

FORM APPROVED COUNTY COUNSEL  
 DATE 10/17/14  
 BY: GREGORY P. PRIAMOS

By: *Mark A. Hake*  
 Mark A. Hake, Chief Probation Officer  
 Riverside County Probation Department

By: *Steven L. Harmon*  
 Steven L. Harmon, Public Defender  
 Law Offices of the Public Defender

A-30  
 4/5 Vote  
 Positions Added  
 Change Order

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
 COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



**SUBMITTAL DATE:**  
 October 8, 2014

**FROM:** Economic Development Agency

**SUBJECT:** Riverside Public Defender/Probation Building Project - Approval of Contract through Easy Indefinite Quantity Contract with Angeles Contractor, Inc., District 2/District 2, [\$2,493,590], Bond Proceeds 100%

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve the revised plans for the Riverside Public Defender/Probation Building Project to complete the remaining seismic retrofit portion of the construction;
2. Approve the plans, specifications and contract documents for the Riverside Public Defender/Probation Building Project located at 4075 Main Street in Riverside, California;
3. Approve the attached construction agreement between the County of Riverside and Angeles Contractor, Inc. (Angeles) of Buena Park, California, in the amount of \$2,493,590 to complete the seismic retrofit portion of the construction of the Riverside Public Defender/Probation Building Project and authorize the Chairman of the Board to execute the agreement on behalf of the county; and

(Continued)

FISCAL PROCEDURES APPROVED  
 PAUL ANGILO, CPA, AUDITOR-CONTROLLER  
 BY: *Esteban Hernández* 10/17/14

*Robert Field*  
 Robert Field  
 Assistant County Executive Officer/EDA

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 2,493,590	\$ 0	\$ 2,493,590	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

**SOURCE OF FUNDS:** Bond Proceeds 100%  
**Budget Adjustment:** No  
**For Fiscal Year:** 2014/15

**C.E.O. RECOMMENDATION:**  
 APPROVE  
 BY: *Rohini Dasika*  
 Rohini Dasika  
 County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

On motion of Supervisor Benoit, seconded by Supervisor Stone and duly carried, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Stone and Benoit  
 Nays: None  
 Absent: Tavaglione and Ashley  
 Date: October 21, 2014  
 xc: EDA

Kecia Harper-Ihem  
 Clerk of the Board  
 By: *Kecia Harper-Ihem*  
 Deputy

# **SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

Economic Development Agency

**FORM 11:** Riverside Public Defender/Probation Building Project - Approval of Contract through Easy Indefinite Quantity Contract with Angeles Contractor, Inc., District 2/District 2, [\$2,493,590], Bond Proceeds 100%

**DATE:** October 8, 2014

**PAGE:** 2 of 3

## **RECOMMENDED MOTION:** (Continued)

4. Authorize the Assistant County Executive Officer/EDA to administer the agreement in accordance with applicable Board policies.

## **BACKGROUND:**

### **Summary**

On February 26, 2013, the Board of Supervisors approved the construction contract between the County of Riverside and AWI Builders, Inc. (AWI) of Pico Rivera, California, in the amount of \$14,417,500 for the Riverside Public Defender/Probation Building project, formerly known as the Riverside Public Defender Remodel project, and authorized the Assistant County Executive Officer/EDA to administer the contract in accordance with applicable Board policies.

On July 21, 2014, the Economic Development Agency (EDA) sent a Five Day Notice of Termination for Convenience via overnight mail giving AWI a five day notice of its intent to terminate the construction contract. Termination was effective on July 26, 2014 at 4:00 p.m. On July 29, 2014, the Board of Supervisors approved the Five Day Notice of Termination for Convenience and the Notice of Cessation with AWI.

To date, the Riverside Public Defender/Probation Building project is approximately 30% complete, and a portion of the seismic retrofit work was incomplete when AWI's contract was terminated. Time is of the essence to have the remaining retrofit work completed before the remaining tenant improvement work is advertised for re-bid.

The previously approved structural plans and specifications have been updated by JCE Structural Engineering Group, Inc. to highlight the scope of work that remains to be completed. Angeles, an approved Easy Indefinite Quantity Contract (EZIQC) contractor, received the approved plans and specifications for review and walked the job site with county personnel. Following review of the project site plans and specifications, Angeles submitted their proposal in accordance with the EZIQC contract in the amount of \$2,493,590. Approval of the construction agreement via the National Joint Powers Alliance's (NJPA's) EZIQC program will expedite the delivery of the seismic retrofit portion of the Riverside Public Defender/Probation Building project. This project portion is anticipated to start immediately after Board approval and finish by March 1, 2015.

The Riverside Public Defender/Probation Building project will require a re-bid of the remaining tenant improvement and envelop upgrade work. The plans and specifications for re-bidding the project will be developed by Holt Architects, who is the architect of record for the project.

EDA will return to the Board under separate cover to approve the plans and specifications and re-bid the remaining tenant improvement work.

### **Impact on Citizens and Businesses**

(Commences on Page 3)

# **SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

Economic Development Agency

**FORM 11:** Riverside Public Defender/Probation Building Project - Approval of Contract through Easy Indefinite Quantity Contract with Angeles Contractor, Inc., District 2/District 2, [\$2,493,590], Bond Proceeds 100%

**DATE:** October 8, 2014

**PAGE:** 3 of 3

## **Impact on Citizens and Businesses**

The Riverside Public Defender/Probation Building project will accommodate the Public Defender and Probation Departments and will provide the necessary office space to account for the long term growth of both departments. The Public Defender will have the space to consolidate all operations into one building, enhancing communication and work efficiencies and resulting in an environment that will serve the community in the most effective manner possible. The Probation Department will house court officers and pre-sentence investigators who would then be in close proximity to the courts that are served. Additionally, offenders completing the court process will receive initial reporting instructions which might reduce the FTA (Failure to Appear) rates.

## **Contract History and Price Reasonableness**

On August 20, 2013, Angeles was awarded the NJPA EZIQC contract via a public bidding process. Angeles was selected after bidding a competitive cost adjustment factor of .9764 in accordance to the NJPA bid and contract documents for prevailing wage work performed outside of normal working hours. As a NJPA member, the County of Riverside can utilize EZIQC contracting to expedite delivery of projects based on the fair market prices for construction goods and services in the Construction Task Catalogue (CTC).

In accordance with the EZIQC contract, Angeles provided a responsible and responsive proposal for the Riverside Public Defender/Probation Building project. Cost reasonableness for the project is achieved through the fair market value of the construction goods and services established in the CTC and the negotiable lump sum proposal that reduces the amount to ninety-seven cents on the dollar.

## **Additional Fiscal Information**

All costs associated with this agreement will be 100% funded by Bond Proceeds, thus no net county costs will be incurred this FY 2014/15, and no budget adjustment is required at this time.

Attachments:

Copy of Membership to National Joint Powers Alliance (NJPA)  
Specifications  
Construction Agreement with Angeles Contractor, Inc.

SPECIFICATIONS AND CONTRACT DOCUMENTS  
FOR  
RIVERSIDE PUBLIC DEFENDER/PROBATION BUILDING -EZIQC



PREPARED BY  
COUNTY OF RIVERSIDE  
ECONOMIC DEVELOPMENT AGENCY

OCT 21 2014 3-38

FORM APPROVED COUNTY COUNSEL  
BY: YB Carter 10/24/14  
MARSHAL VICTOR DATE



## TABLE OF CONTENTS

	Number of Pages
NJPA Membership Agreement	<u>1</u>
NJPA Indefinite Quantity Construction Agreement	<u>5</u>
EZIQC Work Order & Detailed Scope Documents	<u>4</u>
Standard Form Construction Contract-County & Contractor	<u>8</u>
Payment Bond	<u>2</u>
Performance Bond	<u>3</u>
Workers' Compensation Certificate	<u>1</u>
Supplementary General Conditions	<u>113</u>
Specifications by Holt Architects/JCE Structural Engineering Group	<u>24</u>
Construction Task Catalog & Technical Specifications (Set)	<u>Attached CD</u>

**MEMBERSHIP AGREEMENT  
PARTICIPATING MEMBER**



This Agreement, made and entered into this 1 day of September, 2011,  
by and between National Joint Powers Alliance®, hereinafter referred to as "NJPA" and  
County of Riverside, CA hereinafter referred to as the "Applicant".

**Witnesseth:**

That for a good and valuable consideration of the premises, mutual terms, covenants, provisions, and conditions hereafter set forth, it is agreed by and between the parties as follows:

*Whereas, the NJPA is created by Minnesota Statute §123A.21 (with membership further defined in M.S. §471.59) to serve cities, counties, towns, public or private schools, political subdivisions of Minnesota or another state, another state, any agency of the State of Minnesota or the United States including instrumentalities of a governmental unit and all non-profits; and*

*Whereas, NJPA's purpose as defined in M.S. §123A.21 is to assist in meeting specific needs of clients which could be better provided by NJPA than by the members themselves; and*

*Whereas, the NJPA Board of Directors has established the ability for an "Applicant" desiring to participate in NJPA contracts and procurement programs to become a Participating Member; and*

*Whereas, the NJPA Board of Directors has determined that Participating Members will have no financial or organizational liability to NJPA or to its organizational activities;*

**Now Therefore**, it is hereby stipulated and agreed that the "Applicant" Agency desires to be a Participating Member of NJPA with contract purchasing benefits, in accordance with terms and conditions of the applicable contract(s), and that NJPA hereby grants said Membership to said "Applicant."

**Term:**

This continuing agreement shall remain in force or until either party elects to dissolve the Agreement by written notice.

**THEREFORE, IN WITNESS THEREOF,**

the parties hereto have executed this Agreement the day and year written above.

National Joint Powers Alliance®  
200 1st Street NE, Suite 1  
Staples, MN 56479

Member Name:

By Bob Buster  
AUTHORIZED SIGNATURE  
**BOB BUSTER**  
CHAIRMAN, BOARD OF SUPERVISORS  
TITLE  
OCT 18 2011  
DATE

[Signature]  
AUTHORIZED SIGNATURE  
EXECUTIVE DIRECTOR  
TITLE  
9/1/11  
DATE

FORM APPROVED COUNTY COUNSEL  
BY: [Signature]  
NEAL R. KIPNIS  
DATE 9/22/11

CECILIA HARPER-IHEM, Clerk  
DEPUTY

09/21/2010

OCT 18 2011 3:13



INDEFINITE QUANTITY CONSTRUCTION AGREEMENT

IFB NUMBER: CA-GC07B-082013-AC

GEOGRAPHIC AREA Riverside

This Agreement dated August 20, 2013, by and between the National Joint Powers Alliance, hereinafter referred to as NJPA and Angeles Contractors at the following address 8461 Commonwealth Avenue, Buena Park, CA 90621.

hereinafter referred to as the CONTRACTOR.

WITNESSETH: NJPA and CONTRACTOR for the consideration hereafter agree as follows:

ARTICLE 1. CONTRACT DOCUMENTS

- A. Contract Documents: This Agreement; the IFB Documents; (Book 1 - Project Information, Instructions to Bidders and Execution Documents; Book 2 - IQCC Standard Terms and Conditions and General Conditions; Book 3 - Construction Task Catalog (CTC), Book 4 - Technical Specifications) and Addenda thereto, the Bid Deposit, all payment and performance bonds (if any), material and workmanship bonds (if any); wage rate decisions and certified payroll records (if any); Notice of Award; all modifications issued thereto, including Supplemental Work Orders/Change Orders and written interpretations and all Purchase Orders and accompanying documents (Requests for Proposals, Detailed Scopes of Work, Work Order Proposal Packages, etc.) issued hereunder.
- B. The terms and conditions of a Purchase Order issued by an NJPA Member in connection with any Work Order, including supplemental technical specifications referenced therein, shall govern.

- C. The Contractor shall, within two (2) business days of receipt of a Purchase Order from an NJPA Member, provide notification to NJPA or their designated representative of each Purchase Order by forwarding a copy of the Purchase Order via email to PO@EZIQC.com or via facsimile to (864) 233-9100.
- D. The Contractor shall, within two (2) business days of sending an Invoice to an NJPA Member, provide notification to NJPA or their designated representative of each Invoice by forwarding a copy of the Invoice via email to Invoice@EZIQC.com or via facsimile to (864) 233-9100.

#### ARTICLE 2. SCOPE OF WORK

- A. The Contractor shall provide the services required to develop each Work Order in accordance with the procedures for developing Work Orders set forth in the IQCC Standard Terms and Conditions and the Contract Documents.
- B. Each Work Order developed in accordance with this Agreement will be issued in connection with a Purchase Order by an individual NJPA Member. The Purchase Order will reference the Work Order and require the Contractor to perform the Detailed Scope of Work within the Work Order Completion Time for the Work Order Price.
- C. It is anticipated that the Contractor will perform Work primarily in the Geographic Area set forth above. However, the parties may agree that the Contractor can perform Work in a different Geographic Area at its current Adjustment Factors.

#### ARTICLE 3. THE AGREEMENT PRICE

- A. This Agreement is an indefinite-quantity contract for construction/roofing work and services. The Estimated Annual Value of this Agreement is \$ 2,000,000. This is only an estimate and may increase or decrease at the discretion of the NJPA.
- B. The Contractor shall perform any or all Tasks in the Construction Task Catalog for the unit price appearing therein multiplied by the following Adjustment Factors:
  - a. The Contractor shall perform any or all Tasks in the Construction Task Catalog for the unit price appearing therein multiplied by the following Adjustment Factors **TO BE ENTERED BY NJPA**:
    - a. Normal Working Hours Prevailing Wage: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

0.9514

(Specify to four (4) decimal places)

- b. Other Than Normal Working Hours Prevailing Wage: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

0.9515  
(Specify to four (4) decimal places)

- c. Normal Working Hours Non Prevailing Wage: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

0.8973  
(Specify to four (4) decimal places)

- d. Other Than Normal Working Hours Non Prevailing Wage: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

0.9515  
(Specify to four (4) decimal places)

- e. Non Pre-priced Adjustment Factor: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

1.2649  
(Specify to four (4) decimal places)

#### ARTICLE 4. TERM OF THE AGREEMENT

- A. The base term shall be one year with three one year options. The total term of the Contract shall not exceed four years. The Contractor may withdraw from the Agreement on each anniversary of the award, provided that the Contractor gives 60 Days written notice of its intent to withdraw. NJPA may, for any reason, terminate this Agreement at any time.
- B. All Purchase Orders issued during a term of this Agreement shall be valid and in effect notwithstanding that the Detailed Scope of Work may be performed, payments may be made, and the guarantee period may continue, after such term has expired. All terms and conditions of the Agreement apply to each Purchase Order.

#### ARTICLE 5. SOFTWARE LICENSING

- A. NJPA selected The Gordian Group's (Consultant) software, data and services (IQCC System) for their IQCC program. The system includes Consultant's proprietary PROGEN®, eGordian® and/or ezIQCC® IQCC applications (IQCC Applications) and construction cost data (Construction Task Catalog®), which shall be used by the Contractor to prepare and submit Price Proposals, subcontractor lists, and other requirements specified by NJPA and NJPA Members. The Contractor shall be required to agree to Consultant's IQCC System License to obtain access to Consultant's IQCC Applications. The Contractor's use, in whole or in part, of Consultant's IQCC Applications and Construction Task Catalog and other proprietary materials provided by Consultant for any purpose other than to execute work under this Contract for NJPA and NJPA Members is strictly prohibited unless otherwise stated in writing by Consultant. The Contractor hereby agrees to abide by the terms of the following IQCC System License:

#### ARTICLE 6. IQCC SYSTEM LICENSE

Consultant hereby grants to the Contractor, and the Contractor hereby accepts from Consultant for the term of this Contract or Consultant's contract with NJPA, whichever is shorter, a non-exclusive right, privilege, and license to Consultant's proprietary IQCC System and related proprietary materials (collectively referred to as "Proprietary Information") to be used for the sole purpose of executing Contractor's responsibilities to NJPA and NJPA Members under this Contract ("Limited Purpose"). The Contractor hereby agrees that Proprietary Information shall include, but is not limited to, Consultant's IQCC Applications and support documentation, Construction Task Catalog, training materials and any other proprietary materials provided to Contractor by Consultant. In the event this Contract expires or terminates as provided herein, or the Consultant's contract with NJPA expires or terminates, this IQCC System License shall terminate and the Contractor shall return all Proprietary Information in its possession to Consultant.

Contractor acknowledges that Consultant shall retain exclusive ownership of all proprietary rights to the Proprietary Information, including all U.S. and international intellectual property and other rights such as patents, trademarks, copyrights and trade secrets. Contractor shall have no right or interest in any portion of the Proprietary Information except the right to use the Proprietary Information for the Limited Purpose set forth herein. Except in furtherance of the Limited Purpose, Contractor shall not distribute, disclose, copy, reproduce, display, publish, transmit, assign, sublicense, transfer, provide access to, use or sell, directly or indirectly (including in electronic form), any portion of the Proprietary Information.

Contractor acknowledges and agrees to respect the copyrights, trademarks, trade secrets, and other proprietary rights of Consultant in the Proprietary Information during and after the term of this Agreement, and shall at all times maintain complete confidentiality with regard to the Proprietary Information provided to Contractor, subject to federal, state and local laws related to public disclosure. Contractor further acknowledges that a breach of any of the terms of this Agreement by Contractor will result in irreparable harm to Consultant for which monetary damages would be an inadequate remedy, and Consultant shall be entitled to injunctive relief (without the necessity of posting a bond) as well as all other monetary remedies available at law or

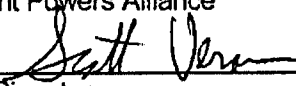
equity. In the event that it becomes necessary for either party to this IQCC System License to enforce the provisions of this Agreement or to obtain redress for the breach or violation of any of its provisions, whether by litigation, arbitration or other proceedings, the prevailing party shall be entitled to recover from the other party all costs and expenses associated with such proceedings, including reasonable attorney's fees.

In the event of a conflict in terms and conditions between this IQCC System License and any other terms and conditions of this Agreement or any Job Order purchase order or similar purchasing document issued by NJPA or an NJPA Member, this IQCC System License shall take precedence.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

By:

National Joint Powers Alliance

  
\_\_\_\_\_  
Authorized Signature

Contractor

  
\_\_\_\_\_  
Authorized Signature

Print Name

YOUNG KANG

Contract Number: CA-GC07B-082013-AC (assigned by NJPA)

## Work Order Signature Document

NJPA EZIQC Contract No.: CA-GC07B-082013-AC

New Work Order  Modify an Existing Work Order

Work Order Number: eziQC-ACI-FM08240003992 Work Order Date:

Work Order Title: Public Defenders Office Structural Phase

Owner Name: EDA County of Riverside Contractor Name: Angeles Contractor Inc.

Contact: Dominick Lambordi Contact: Alex Cho

Phone: (951) 212-3520 Phone: 714.443.3655

### Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of NJPA EZIQC Contract No CA-GC07B-082013-AC.

#### Brief Work Order Description:

Complete the incomplete Structural Phase component: SOW includes Shot-Crete, concrete reinforcement, structural concrete for all 9 floors including below grade.

**Time of Performance** Estimated Start Date: 11/03/2014  
Estimated Completion Date: 3/9/2015

**Liquidated Damages** Will apply:  Will Not apply:

**Work Order Firm Fixed Price: \$2,493,589.78**



## Detailed Scope of Work

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**To:** Alex Cho  
Angeles Contractor Inc.  
8461 Commonwealth Ave  
Buena Park, CA 90621  
714.443.3655

**From:** Dominick Lambordi  
EDA County of Riverside  
3403 Tenth St. Suite 500  
Riverside, CA 92501  
(951) 212-3520

**Date Printed:** October 16, 2014

**Work Order Number:** eziQC-ACI-FM08240003992

**Work Order Title:** Public Defenders Office Structural Phase

**Brief Scope:** Complete the incomplete Structural Phase component: SOW includes Shot-Crete, concrete reinforcement, structural concrete for all 9 floors including below grade.

Preliminary

Revised

Final

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The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

SUMMARY of Scope of Work Based on the scope described & the job walk 8/3/2014 Based on Owner prepared as "Plan Check for Rebid" dated 9/25/2014

Project Area is 77,258 SF

**1. Owner Provided Drawings By JCE Structural Engineering Group Inc. Dated September 25, 2014.**

2.Existing approved and completed work is not included in Angeles Contract Inc. warrantee. 3.Approved Concrete Mix Design 4.Inventory List by GKK Works, Owner to Provide 5.Safety Letter of concern, Owner to Provide 6.Clarification & Installation Testing reports for partially installed piles to date. Owner to Provide 6A.Provide data for each Pile partially installed. Type, Quantity, Size & Length. Owner to Provide 6B.Onsite Inspection quality control that was used to monitor installation & documents generated from onsite inspection 6C.Testing procedure for the test piles and the test pile results. 6D.In addition to the load test data we need the final geotech recommendation that was submitted based on test results 6E.Specified for our Piles (ie: Loads testing criteria) 7.Stock Piled from previous excavation designated for use is presumed to have adequate moisture content per the soils engineer 8.Permit Fees, by owner 9.Testing & Inspection, by owner 10.Project is performed using the Prevailing Wage Rate in effect at the time of contract. 12.No indication of encountering a water table or the existence of impenetrable soil or rock that may require blasting or use of specialized excavation equipment. 13.Warrantee is only what Angeles Contractor is installing as per the A&E Drawings noted above. General Work Scope 1) Prepare submittal packages for approval of materials required to be approved for subcontractors. 2) Confirm inventory of provided materials from GKK Works listing; prepare list of any discrepancies or clarification of required materials to complete project that are not on site. 3) Provide installation of temporary power, temporary domestic water for floors 2-8, temporary electric generator to operate building elevator(s), and fire protection (extinguishers) at all accessible floors. 4) Provide installation of all pedestrian covered walkway protection at Main Street and 11th Ave perimeter, complete with netting for overhead protection and plywood walls for site safety. 5) Provide installation of any temporary construction fencing and screen cloth required with access gates at perimeter of project. 6) Provide installation of temporary fall protection (temp fence panels) at perimeter of floors 2-8 where storefront has been removed. Fence panels will provide air movement, lighting and fall protection. 7) Provide removal / stockpiling and / or organization of Owner materials spread throughout all floors of project that are not part of Phase 1 Seismic. 8) Provide verification of electrical safe-off of all exposed and / or live circuits. Basement / Level O 1) Provide reroute / capping of existing electrical utility conduits and runs interfering with required footings and foundations. 2) Provide reroute / capping of existing wet utilities / sewer lines that interfere with required footings and foundations. 3) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide shoring of existing structures for continued subgrade reinforcement at Gridline C, between Gridline 2.5 and 3. 6) Provide excavation to expose existing piles and grade beams at Gridline C just beyond Gridline 2.5 and 3. 7) Provide drilling, epoxy and placement of reinforcing dowels and bent bars for grade beam extension and wall at Gridline C between Gridline 2.5 and 3 8) Provide placement of additional reinforcing as required for formation of new wall and grade beam at gridline C between Gridline 2.5 and 3. 9) Provide formwork required for installation of shotcrete

**Work Order Number:** eziQC-ACI-FM08240003992

**Work Order Title:** Public Defenders Office Structural Phase

for new wall and grade beam at gridline C between gridline 2.5 and 3. 10) Provide shotcrete application, cleanup, rebound removal, curing and all associated installations for new reinforced wall at subgrade of Gridline C between Gridline 2.5 and 3. 11) Provide removal of all forms for shotcrete application below grade. 12) Provide removal of all shoring from subgrade after curing of extensions at Gridline C between Gridline 2.5 and 3. 13) Provide installation of all safety barriers around subgrade excavation as required. 14) Provide moisture-conditioned soil back-fill and compaction in minimum required lifts using earthwork equipment and vibratory compaction equipment. Provide flagmen for below grade spotting and above grade oversight for life of back fill operation. 15) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from subgrade area prior to back fill operation. 16) Provide installation and operation of air-moving equipment for worker safety, especially during the life of the earthwork operation. 17) Provide installation of reinforcing at all subgrade locations as required prior to back fill operation. 18) Provide demolition of existing electrical room, including all feeders, breakers, switchgear, switches, conduits, etc. as required. 19) Provide drilling of three new HDIC piles at location and to depth as required per plans. 20) Install reinforcing cages for three new HDIC piles. 21) Place new concrete for new HDIC piles. 22) Remove spoils from existing prepared pile caps and grade beams to create acceptable condition for concrete placement. 23) Provide sandblasting / rouging of existing surfaces at grade beams and pile caps prior to concrete / shotcrete placement. 24) Provide export of remaining surplus spoils upon completion of backfill operation. 25) Prepare subsurface sand bedding and 10 mil vapor barrier prior to floor slab on grade. 26) Install reinforcing and forms for slab on grade placement. 27) Install coordination of sleeves or utilities prior to placement of slab on grade. 28) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 29) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete for slab on grade. 30) Place all concrete pile caps and grade beams. 31) Place all slab on grade concrete. 32) Cure all placed concrete. 33) Provide demolition of existing electrical room, including all feeders, breakers, switchgear, switches, conduits, etc. as required. First Floor / Level 1 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide installation of all formwork required for shotcrete installations. 3) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 4) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 5) Provide installation and operation of air-moving equipment for worker safety, especially during the life of the earthwork operation. 6) Provide installation of reinforcing at all locations as required prior. 7) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 8) Provide export of remaining surplus spoils. 9) Install reinforcing and forms for wall placement. 10) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 11) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 12) Cure all placed concrete. 13) Provide installation and welding of all required structural steel members as required for seismic upgrade. 14) Provide forming of infill of wall at northwest elevation for future generator enclosure as required. 15) Provide drilling and epoxy of dowels and bent bars for reinforcing of new wall infill. 16) Provide installation of all field reinforcing for infill of wall. 17) Provide formwork for infill of new wall. 18) Provide placement of concrete for new wall infill. 19) Provide curing of newly placed concrete for new wall infill. 20) Remove and dispose of formwork for new infill. 21) Sack and patch exterior surface of new infill to match surrounding. 22) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. Second Floor / Level 2 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. 16) Install temporary construction shoring for installation of seismic bearing plates at exterior west stair. 17) Provide drilling, epoxy and dowel installation for slide bearing installation. 18) Provide installation of slide bearings. 19) Provide grout infill of slide

**Work Order Number:** ezIQC-ACI-FM08240003992

**Work Order Title:** Public Defenders Office Structural Phase

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bearings. 20) Provide sawcut and demolition required to complete slide bearing installation. 21) Remove temporary shoring upon completion of slide bearing installation. Third Floor / Level 3 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. Fourth Floor / Level 4 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. Fifth Floor / Level 5 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. Sixth Floor / Level 6 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and

Work Order Number: eziQC-ACI-FM08240003992  
Work Order Title: Public Defenders Office Structural Phase

horizontal walls as required per structural. Seventh Floor / Level 7 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural. Eighth Floor / Level 8 1) Provide epoxy installation of reinforcing dowels / bent bars as required to finish in-progress shotcrete installations to meet requirements of project supplied documents. 2) Provide any modifications, removal, rework and retying of reinforcing as required for access and shotcrete operations. 3) Provide installation of all formwork required for shotcrete installations. 4) Provide required x-ray investigation of existing conditions in order to discover in-wall reinforcing that impacts new installations. 5) Provide removals of any deleterious materials, spoils, and unacceptable previously identified materials from area prior to work operation. 6) Provide epoxy crack injection repairs as required at exterior roof deck and interior floor surfaces as required. 7) Provide installation and operation of air-moving equipment for worker safety. 8) Provide installation of reinforcing at all locations as required prior. 9) Provide sandblasting / rouging of existing surfaces prior to concrete / shotcrete placement. 10) Install reinforcing and forms for wall placement. 11) Provide bonding agent / concrete adhesive to existing prepared surfaces to receive concrete placement. 12) Gather, load and remove to a regular disposal area all deleterious materials, spoils, forms, etc. prior to placement of concrete. 13) Cure all placed concrete. 14) Provide installation and welding of all required structural steel members as required for seismic upgrade. 15) Provide relief sawcutting of exterior vertical and horizontal walls as required per structural.

Warranty:

The Contractor agrees to provide all warranties described in the contact documents, project drawings titled, Law Offices for Public Defender Project and dated, September 25, 2014 as well as all warranty work required by the State Contractor's License Board.

Also, special or extended warranties included in this Work Order are listed below and included in the contract: All warranty to be (1) year parts and labor upon substantial completion


Approvals

As per Associated Standard Form of Construction Contract Between County & Contractor.

Signatures below acknowledge review..

  
\_\_\_\_\_  
Contractor

10/16/14  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Owner - Project Manager

10/20/14  
\_\_\_\_\_  
Date



**Contractor's Price Proposal Summary - Category**

**Print Date:** October 20, 2014  
**Contract Number:** CA-GC07B-082013-AC  
**Work Order Number:** 025254.00  
**Work Order Title:** Public Defenders Office Structural Phase  
**Contractor:** Angeles Contractor Inc.  
**Proposal Value:** \$2,493,590.88  
**Proposal Name:** Public Defenders Office Structural Phase

<b>Category - 0_ General:</b>	<b>\$40,209.30</b>
<b>Category - 00 SOG &amp; Foundation:</b>	<b>\$689,093.00</b>
<b>Category - 01 Level:</b>	<b>\$1,011,049.53</b>
<b>Category - 02 Level:</b>	<b>\$271,672.15</b>
<b>Category - 03 Level:</b>	<b>\$77,439.35</b>
<b>Category - 04 Level:</b>	<b>\$80,825.51</b>
<b>Category - 05 Level:</b>	<b>\$80,825.51</b>
<b>Category - 06 Level:</b>	<b>\$80,825.51</b>
<b>Category - 07 Level:</b>	<b>\$80,825.51</b>
<b>Category - 08 Level:</b>	<b>\$80,825.51</b>
<b>Proposal Total</b>	<b>\$2,493,590.88</b>

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

**The Percentage of NPP on this Proposal: 41.5092%**



**Contractor's Price Proposal Detail - Category**

**Print Date:** October 20, 2014  
**Contract Number:** CA-GC07B-082013-AC  
**Work Order Number:** 025254.00  
**Work Order Title:** Public Defenders Office Structural Phase  
**Contractor:** Angeles Contractor Inc.  
**Proposal Value:** \$2,493,590.88  
**Proposal Name:** Public Defenders Office Structural Phase

Record	Section - Item	Modifier	UOM	Description	Line Total
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**Category - 0\_ General**

1	01 22 16 00-0002	EA		Reimbursable Fees Reimbursable fees will be paid to the contractor for the actual cost, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0750. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.	\$40,209.30
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	Quantity		Unit Price		Factor		Total
Installation	37,404.00	x	\$1.00	x	1.0750	=	\$40,209.30

**User Note:** Bond cost

**Subtotal for Category - 0\_ General:** **\$40,209.30**

**Category - 00 SOG & Foundation**

2	01 22 20 00-0006	HR		CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41
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	Quantity		Unit Price		Factor		Total
Installation	24.00	x	\$66.29	x	0.9764	=	\$1,553.41

**User Note:** 2 men x 3 days for shearwall form removal and disposal

3	01 22 20 00-0010	HR		ElectricianTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$3,795.07
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	Quantity		Unit Price		Factor		Total
Installation	60.00	x	\$64.78	x	0.9764	=	\$3,795.07

**User Note:** Demo of existing electrical room & relocation of the main feed

4	01 22 20 00-0015	HR		LaborerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$3,946.22
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	Quantity		Unit Price		Factor		Total
Installation	60.00	x	\$67.36	x	0.9764	=	\$3,946.22

**User Note:** Clean, remove and stockpile existing phase 2 construction materials & catalog / verify GKK inventory

5	01 22 20 00-0024	HR		PlumberTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$4,369.78
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	Quantity		Unit Price		Factor		Total
Installation	60.00	x	\$74.59	x	0.9764	=	\$4,369.78

**User Note:** Relocation of existing sewer - includes any discovery, capping, protections and as-built for future connections.



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 00 SOG &amp; Foundation</b>						
6	01 22 20 00-0053	HR		Flagperson For Traffic Control	\$18,415.69	
			Quantity	Unit Price	Factor	Total
		Installation	280.00 x	\$67.36 x	0.9764 =	\$18,415.69
	<b>User Note:</b> Flagman and spotter for earthmoving operations - 3 men for 2 1/2 weeks above and below pit for backfill / export ops					
7	01 22 23 00-0193	WK		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	\$14,518.37	
			Quantity	Unit Price	Factor	Total
		Installation	4.00 x	\$3,717.32 x	0.9764 =	\$14,518.36
8	01 22 23 00-0262	WK		2,500 LB Capacity, 80" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	\$16,574.08	
			Quantity	Unit Price	Factor	Total
		Installation	4.00 x	\$4,243.67 x	0.9764 =	\$16,574.08
	<b>User Note:</b>					
9	01 22 23 00-0408	WK		4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	\$39,303.38	
			Quantity	Unit Price	Factor	Total
		Installation	4.00 x	\$10,063.34 x	0.9764 =	\$39,303.38
	<b>User Note:</b>					
10	01 22 23 00-0421	MO		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Up to 88" spread width.	\$34,968.79	
			Quantity	Unit Price	Factor	Total
		Installation	300.00 x	\$119.38 x	0.9764 =	\$34,968.79
	<b>User Note:</b> Temp shoring for grade beam installation at grid C/2.5					
11	01 22 23 00-0645	MO		2,000 Watt, 115 V, 2 Lamp, Portable Light Stand With Tripod	\$14,618.66	
			Quantity	Unit Price	Factor	Total
		Installation	40.00 x	\$374.30 x	0.9764 =	\$14,618.66
	<b>User Note:</b> 1 ea x 8 levels x 5 mos = 40					
12	01 22 23 00-0703	MO		750.0 KW, 60 Hertz Diesel Powered Generator Set Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	\$58,584.00	
			Quantity	Unit Price	Factor	Total
		Installation	5.00 x	\$12,000.00 x	0.9764 =	\$58,584.00
	<b>User Note:</b> Power up existing building elevator for construction use - 480 3-phase not available with temporary service thru Riverside PU.					
13	01 22 23 00-0705	EA		350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	\$1,077.41	
			Quantity	Unit Price	Factor	Total
		Installation	1.00 x	\$1,103.45 x	0.9764 =	\$1,077.41
	<b>User Note:</b> Power up existing building elevator for construction use					
14	01 22 23 00-0762	EA		Fuel Reimbursement For Generators Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	\$10,740.40	
			Quantity	Unit Price	Factor	Total
		Installation	11,000.00 x	\$1.00 x	0.9764 =	\$10,740.40
	<b>User Note:</b> Power up existing building elevator for construction use - 110 gallons per day for duration; 20 gallons per day for 8 hour usage per day.					



Record	Section - Item	Modifier	UOM	Description	Line Total			
<b>Category - 00 SOG &amp; Foundation</b>								
15	01 22 23 00-0851		MO	2,250 CFM Portable Floor Drying Fan	\$4,690.04			
				Quantity	Unit Price	Factor	Total	
				Installation	20.00 x	\$240.17 x	0.9764 =	\$4,690.04
	<b>User Note:</b> Air Ventilation per Gen Safety List (4 x 5 mos) - due to closed-in condition of lower floor, air circulation during backfill and export ops.							
16	01 22 23 00-0858		MO	25 Gallons Per Day, Portable Dehumidifier	\$13,878.94			
				Quantity	Unit Price	Factor	Total	
				Installation	20.00 x	\$710.72 x	0.9764 =	\$13,878.94
	<b>User Note:</b> Air Ventilation per Gen Safety List (4 x 5 mos) - due to closed-in condition of lower floor, air circulation during backfill and export ops.							
17	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$1,038.89			
				Quantity	Unit Price	Factor	Total	
				Installation	700.00 x	\$1.52 x	0.9764 =	\$1,038.89
	<b>User Note:</b> Temporary fencing around the building - entire perimeter / infills for temporary fencing to protect jobsite							
18	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$1,742.87			
				Quantity	Unit Price	Factor	Total	
				Installation	700.00 x	\$2.55 x	0.9764 =	\$1,742.87
	<b>User Note:</b>							
19	01 56 26 00-0035		EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	\$622.16			
				Quantity	Unit Price	Factor	Total	
				Installation	4.00 x	\$159.30 x	0.9764 =	\$622.16
	<b>User Note:</b> Temporary fencing around the building - access gates (one per elevation at perimeter of project for trade / material access							
20	01 56 29 00-0002		LF	Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To WalkwayExcludes walkway.	\$3,866.54			
				Quantity	Unit Price	Factor	Total	
				Installation	500.00 x	\$7.92 x	0.9764 =	\$3,866.54
	<b>User Note:</b> Temporary barricade around backfill operations including demolitions and floor openings for concrete replacement							
21	01 71 13 00-0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes delivery and pickup. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	\$1,572.51			
				Quantity	Unit Price	Factor	Total	
				Installation	4.00 x	\$402.63 x	0.9764 =	\$1,572.51
	<b>User Note:</b> includes each piece of large construction equipment required for low floor operations.							
22	01 71 23 16-0005		HR	2 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked)Includes surveyor, rodman, equipment and instruments.	\$2,671.27			
				Quantity	Unit Price	Factor	Total	
				Installation	16.00 x	\$170.99 x	0.9764 =	\$2,671.27
	<b>User Note:</b> Survey for pile locations and as-building of existing locations							
23	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$5,424.10			
				Quantity	Unit Price	Factor	Total	
				Installation	280.00 x	\$19.84 x	0.9764 =	\$5,424.10
	<b>User Note:</b>							





Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 00 SOG &amp; Foundation</b>						
24	01 74 19 00-0017	EA		40 CY Dumpster (5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$3,041.42	
			Quantity	Unit Price	Factor	Total
	Installation		7.00 x	\$444.99 x	0.9764 =	\$3,041.42
<b>User Note:</b>						
25	01 74 19 00-0032	CYM		Hauling On Paved Roads, Miles Over Initial 15 Miles	\$2,351.17	
			Quantity	Unit Price	Factor	Total
	Installation		5,600.00 x	\$0.43 x	0.9764 =	\$2,351.17
<b>User Note:</b>						
26	02 25 16 00-0003	EA		X-Ray Or Electromagnetic Survey Minimum Set-Up Charge For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$527.78	
			Quantity	Unit Price	Factor	Total
	Installation		1.00 x	\$540.54 x	0.9764 =	\$527.78
<b>User Note:</b> Locate existing rebars before boring						
27	02 25 16 00-0005	EA		X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$5,195.23	
			Quantity	Unit Price	Factor	Total
	Installation		40.00 x	\$133.02 x	0.9764 =	\$5,195.23
<b>User Note:</b> Locate existing rebars before boring						
28	02 41 19 13-0120	IN		Drill 1" Diameter Core In >12" Concrete	\$1,554.43	
			Quantity	Unit Price	Factor	Total
	Installation		200.00 x	\$7.96 x	0.9764 =	\$1,554.43
<b>User Note:</b> Drill concrete for the remaining dowel requirements						
29	03 01 30 51-0002	SF		Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$3,218.21	
			Quantity	Unit Price	Factor	Total
	Installation		400.00 x	\$8.24 x	0.9764 =	\$3,218.21
<b>User Note:</b> Roughen existing concrete before installing new concrete - minimum requirements for coordination SOG & existing reinforcing materials						
30	03 05 00 00-0003	CY		1.5 LB/CY Poly Fibers Reinforcing Concrete Mix	\$4,364.51	
			Quantity	Unit Price	Factor	Total
	Installation		600.00 x	\$7.45 x	0.9764 =	\$4,364.51
<b>User Note:</b> Concrete admixtures for grade beams and slab on grade						
31	03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork	\$7,117.57	
			Quantity	Unit Price	Factor	Total
	Installation		640.00 x	\$11.39 x	0.9764 =	\$7,117.57
<b>User Note:</b> Formworks for the shotcrete and wall infills - at lower grade beam / shotcrete wall for gridline C / 2.5 - 3.0						
32	03 11 13 00-0094	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	\$110.14	
			Quantity	Unit Price	Factor	Total
	Installation		10.00 x	\$11.28 x	0.9764 =	\$110.14
<b>User Note:</b> MEP sleeves - to coordinate with utilities and footings / grade beams						
33	03 11 13 00-0096	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	\$157.98	
			Quantity	Unit Price	Factor	Total
	Installation		10.00 x	\$16.18 x	0.9764 =	\$157.98
<b>User Note:</b> MEP sleeves - to coordinate with utilities and footings / grade beams						



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 00 SOG &amp; Foundation</b>						
34	03 21 11 00-0006		TON	Grade 60 Reinforcing Steel, Footings And Slabs, #3-#6	\$8,245.64	
	Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	6.00 x \$1,407.49 x	0.9764 =	\$8,245.64
	<b>User Note:</b> Install existing rebars for slab-on-grade at all slab infills					
35	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$10,994.19	
	Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	8.00 x \$1,407.49 x	0.9764 =	\$10,994.19
	<b>User Note:</b> Install existing rebars for walls @ grade beams, footings, and shear wall.					
36	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$19,655.01	
	Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	16.00 x \$1,258.13 x	0.9764 =	\$19,655.01
	<b>User Note:</b> Install existing rebars for walls @ grade beams, footings, and shear wall.					
37	03 21 11 00-0037		EA	Epoxy Coated Straight Dowels, 5/8" x 24" Long, #5 Rebar	\$314.40	
			Quantity	Unit Price	Factor	Total
			Installation	100.00 x \$3.22 x	0.9764 =	\$314.40
	<b>User Note:</b> Install existing rebars for walls					
38	03 21 11 00-0039		EA	Epoxy Coated Straight Dowels, 7/8" x 24" Long, #7 Rebar	\$574.12	
			Quantity	Unit Price	Factor	Total
			Installation	120.00 x \$4.90 x	0.9764 =	\$574.12
39	03 31 13 00-0006		CY	Concrete Pump, Place 3000 PSI Concrete Pile CapsExcludes pumping equipment.	\$79,522.90	
			Quantity	Unit Price	Factor	Total
			Installation	500.00 x \$162.89 x	0.9764 =	\$79,522.90
40	03 MO D0 00-0034 0034		CY	For 4,000 PSI Concrete, Add	\$4,839.33	
			Quantity	Unit Price	Factor	Total
			Installation	500.00 x \$10.51 x	0.9209 =	\$4,839.33
	<b>User Note:</b>					
41	03 31 13 00-0022		CY	Concrete Pump, Place 3000 PSI Concrete Grade BeamsExcludes pumping equipment.	\$88,549.72	
			Quantity	Unit Price	Factor	Total
			Installation	600.00 x \$151.15 x	0.9764 =	\$88,549.72
42	03 MO D0 00-0034 0034		CY	For 4,000 PSI Concrete, Add	\$5,807.20	
			Quantity	Unit Price	Factor	Total
			Installation	600.00 x \$10.51 x	0.9209 =	\$5,807.20
	<b>User Note:</b>					
43	03 31 13 00-0029		CY	>6", By Concrete Pump, Place 3000 PSI Concrete Slab On GradeExcludes pumping equipment.	\$51,260.32	
			Quantity	Unit Price	Factor	Total
			Installation	370.00 x \$141.89 x	0.9764 =	\$51,260.32
44	03 35 16 00-0006		SF	Concrete Floor Finishes, Steel Trowel	\$16,540.22	
			Quantity	Unit Price	Factor	Total
			Installation	14,000.00 x \$1.21 x	0.9764 =	\$16,540.22
	<b>User Note:</b> Slab-on-grade finish - includes all slab replacement at first floor and infills.					
45	03 39 33 00-0004		GAL	Epoxy Resin Bonding Agent, 80 SF Per Gallon	\$1,595.73	
			Quantity	Unit Price	Factor	Total
			Installation	10.00 x \$163.43 x	0.9764 =	\$1,595.73
	<b>User Note:</b> Bonding agent to existing concrete joining new concrete					



Record	Section - Item	Modifier	UOM	Description	Line Total			
<b>Category - 00 SOG &amp; Foundation</b>								
46	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$4,279.95			
				Quantity	Unit Price	Factor	Total	
				Installation	140.00 x	\$31.31 x	0.9764 =	\$4,279.95
				<b>User Note:</b> Concrete curing for new slab on grade				
47	07 13 53 00-0024		CSF	10 Mil PVC Vapor Barrier	\$4,330.53			
				Quantity	Unit Price	Factor	Total	
				Installation	140.00 x	\$31.68 x	0.9764 =	\$4,330.53
				<b>User Note:</b> slab on grade vapor barrier - main floor area (70 x 100) at depressed slab area and misc infills floor level.				
48	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50			
				Quantity	Unit Price	Factor	Total	
				Installation	1,300.00 x	\$0.44 x	0.9764 =	\$558.50
				<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete - shotcrete wall faces and slab edges / grade beams				
49	31 23 16 33-0016		SY	Finish Grading for Bulk Excavation by Machine	\$357.95			
				Quantity	Unit Price	Factor	Total	
				Installation	780.00 x	\$0.47 x	0.9764 =	\$357.95
				<b>User Note:</b> Level off slab-on-grade subgrade				
50	31 23 16 36-0004		CY	Excavation For Building Foundations And Other Structures By Bobcat in Loose Rock	\$1,870.00			
				Quantity	Unit Price	Factor	Total	
				Installation	240.00 x	\$7.98 x	0.9764 =	\$1,870.00
				<b>User Note:</b> Excavation for shear wall below foundation				
51	31 23 16 36-0018		CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	\$10,255.13			
				Quantity	Unit Price	Factor	Total	
				Installation	2,700.00 x	\$3.89 x	0.9764 =	\$10,255.13
				<b>User Note:</b> Backfill existing excavation pit				
52	31 23 16 36-0021		CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	\$24,570.13			
				Quantity	Unit Price	Factor	Total	
				Installation	2,700.00 x	\$9.32 x	0.9764 =	\$24,570.13
				<b>User Note:</b> Compact fill at existing excavation pit				
53	31 23 16 36-0028		CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	\$2,118.79			
				Quantity	Unit Price	Factor	Total	
				Installation	500.00 x	\$4.34 x	0.9764 =	\$2,118.79
54	31 MO D0 00-0026	0026	CY	For >250 To 500, Add	\$317.33			
				Quantity	Unit Price	Factor	Total	
				Installation	500.00 x	\$0.65 x	0.9764 =	\$317.33
				<b>User Note:</b>				
55	31 23 23 23-0002		MGL	Compaction Water, Water Truck And OperatorUse this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1219 for water truck when water is available on site.	\$4,326.72			
				Quantity	Unit Price	Factor	Total	
				Installation	30.00 x	\$147.71 x	0.9764 =	\$4,326.72
				<b>User Note:</b> For compaction				



Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 00 SOG &amp; Foundation</b>							
56	31 32 36 00-0048		EA	Mobilization / Demobilization >1500 To 5000 Miles	\$14,646.00		
				Quantity	Unit Price	Factor	Total
			Installation	1.00 x	\$15,000.00 x	0.9764 =	\$14,646.00
			<b>User Note:</b> For pile equipment mobilization				
57	31 63 36 00-0009		LF	24" Hole Drilled/Auger Up To 24' Depth	\$4,908.56		
				Quantity	Unit Price	Factor	Total
			Installation	80.00 x	\$62.84 x	0.9764 =	\$4,908.56
			<b>User Note:</b> Caissons				
58	31 64 13 00-0050		VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	\$23,359.39		
				Quantity	Unit Price	Factor	Total
			Installation	80.00 x	\$299.05 x	0.9764 =	\$23,359.39
			<b>User Note:</b> Caissons				
59	32 14 11 00-0002		SF	1" To 2" Sand Bedding, Screeded	\$19,684.22		
				Quantity	Unit Price	Factor	Total
			Installation	28,000.00 x	\$0.72 x	0.9764 =	\$19,684.22
			<b>User Note:</b> 14,000 sq feet of floor slab, with a 2" sand over vapor barrier over 2" sand over compacted sub-grade (coverage needs to be doubled for catalog units) includes main slab and misc infills				
<b>Subtotal for Category - 00 SOG &amp; Foundation:</b>					<b>\$689,093.00</b>		
<b>Category - 01 Level</b>							
60	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,071.22		
				Quantity	Unit Price	Factor	Total
			Installation	32.00 x	\$66.29 x	0.9764 =	\$2,071.22
			<b>User Note:</b> 2 men x 4 days for shearwall and infill form removal and disposal				
61	01 22 20 00-0010		HR	ElectricianTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,024.04		
				Quantity	Unit Price	Factor	Total
			Installation	32.00 x	\$64.78 x	0.9764 =	\$2,024.04
			<b>User Note:</b> Demo of existing electrical room in preparation for drilling of piles				
62	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$22,434.74		
				Quantity	Unit Price	Factor	Total
			Installation	300.00 x	\$76.59 x	0.9764 =	\$22,434.74
			<b>User Note:</b> Installation of owner-supplied structural steel and reinforcing for floor and wall infill elevations				
63	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,393.04		
				Quantity	Unit Price	Factor	Total
			Installation	32.00 x	\$76.59 x	0.9764 =	\$2,393.04
			<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete - includes install and tie of reinforcing at NW elevation infill and slab infills. Shotcrete contractor did not estimate cage rework				



Record	Section - Item	Modifier	UOM	Description	Line Total								
<b>Category - 01 Level</b>													
64	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>32.00 x</td> <td>\$62.00 x</td> <td>0.9764 =</td> <td>\$1,937.18</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	32.00 x	\$62.00 x	0.9764 =	\$1,937.18	
Quantity	Unit Price	Factor	Total										
32.00 x	\$62.00 x	0.9764 =	\$1,937.18										
				<b>User Note:</b> Remove existing fire sprinkler risers where impacting completion of the shotcrete infills; demo for use later (selective)									
65	01 22 23 00-0253		WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	\$13,986.77								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>4.00 x</td> <td>\$3,581.21 x</td> <td>0.9764 =</td> <td>\$13,986.77</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	4.00 x	\$3,581.21 x	0.9764 =	\$13,986.77	
Quantity	Unit Price	Factor	Total										
4.00 x	\$3,581.21 x	0.9764 =	\$13,986.77										
				<b>User Note:</b>									
66	01 54 30 00-0003		LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge AssemblyIncludes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	\$18,411.19								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$57.14 x</td> <td>0.9764 =</td> <td>\$18,411.19</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$57.14 x	0.9764 =	\$18,411.19	
Quantity	Unit Price	Factor	Total										
330.00 x	\$57.14 x	0.9764 =	\$18,411.19										
				<b>User Note:</b> Pedestrian Paths Protection per Gen Safety List @ elevation along Main Street and 11th ave.									
67	01 MO D0 00-0021	0021	LF	For 3 Post System, Add	\$1,933.27								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$6.00 x</td> <td>0.9764 =</td> <td>\$1,933.27</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$6.00 x	0.9764 =	\$1,933.27	
Quantity	Unit Price	Factor	Total										
330.00 x	\$6.00 x	0.9764 =	\$1,933.27										
				<b>User Note:</b>									
68	01 54 30 00-0004		LF	Installation of Netting for Sidewalk Bridge	\$882.86								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$2.74 x</td> <td>0.9764 =</td> <td>\$882.86</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$2.74 x	0.9764 =	\$882.86	
Quantity	Unit Price	Factor	Total										
330.00 x	\$2.74 x	0.9764 =	\$882.86										
				<b>User Note:</b> Pedestrian Paths Protection per Gen Safety List									
69	01 54 30 00-0007		LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge AssemblyIncludes spanning openings, planking and parapet, lighting and maintenance.	\$1,865.61								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$5.79 x</td> <td>0.9764 =</td> <td>\$1,865.61</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$5.79 x	0.9764 =	\$1,865.61	
Quantity	Unit Price	Factor	Total										
330.00 x	\$5.79 x	0.9764 =	\$1,865.61										
				<b>User Note:</b> Pedestrian Paths Protection per Gen Safety List									
70	01 MO D0 00-0024	0024	LF	For 3 Post System, Add	\$280.32								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$0.87 x</td> <td>0.9764 =</td> <td>\$280.32</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$0.87 x	0.9764 =	\$280.32	
Quantity	Unit Price	Factor	Total										
330.00 x	\$0.87 x	0.9764 =	\$280.32										
				<b>User Note:</b>									
71	01 54 30 00-0015		LF	Monthly Rental of Netting for Sidewalk Bridge	\$1,546.62								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1,650.00 x</td> <td>\$0.96 x</td> <td>0.9764 =</td> <td>\$1,546.62</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	1,650.00 x	\$0.96 x	0.9764 =	\$1,546.62	
Quantity	Unit Price	Factor	Total										
1,650.00 x	\$0.96 x	0.9764 =	\$1,546.62										
				<b>User Note:</b> 330 LF x 5 Months									
72	01 54 30 00-0017		LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge AssemblyIncludes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	\$7,214.33								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$22.39 x</td> <td>0.9764 =</td> <td>\$7,214.33</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$22.39 x	0.9764 =	\$7,214.33	
Quantity	Unit Price	Factor	Total										
330.00 x	\$22.39 x	0.9764 =	\$7,214.33										
				<b>User Note:</b> Pedestrian Paths Protection per Gen Safety List									
73	01 MO D0 00-0025	0025	LF	For 3 Post System, Add	\$805.53								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>330.00 x</td> <td>\$2.50 x</td> <td>0.9764 =</td> <td>\$805.53</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	330.00 x	\$2.50 x	0.9764 =	\$805.53	
Quantity	Unit Price	Factor	Total										
330.00 x	\$2.50 x	0.9764 =	\$805.53										
				<b>User Note:</b>									



Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 01 Level</b>							
74	01 54 30 00-0018		LF	Removal of Netting for Sidewalk Bridge	\$441.43		
				Quantity	Unit Price	Factor	Total
			Installation	330.00	x \$1.37	x 0.9764	= \$441.43
			<b>User Note:</b> Pedestrian Paths Protection per Gen Safety List				
75	01 71 13 00-0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes delivery and pickup. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	\$786.26		
				Quantity	Unit Price	Factor	Total
			Installation	2.00	x \$402.63	x 0.9764	= \$786.26
			<b>User Note:</b> delivery and demobilization of heavy equipment.				
76	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$5,424.10		
				Quantity	Unit Price	Factor	Total
			Installation	280.00	x \$19.84	x 0.9764	= \$5,424.10
			<b>User Note:</b>				
77	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$3,041.42		
				Quantity	Unit Price	Factor	Total
			Installation	7.00	x \$444.99	x 0.9764	= \$3,041.42
			<b>User Note:</b>				
78	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$5,195.23		
				Quantity	Unit Price	Factor	Total
			Installation	40.00	x \$133.02	x 0.9764	= \$5,195.23
			<b>User Note:</b> Locate existing rebars before boring				
79	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00	x \$10.63	x 0.9764	= \$6,019.90
80	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29		
				Quantity	Unit Price	Factor	Total
			Installation	600.00	x \$7.96	x 0.9764	= \$4,663.29
			<b>User Note:</b> Drill concrete for the remaining dowel requirements				
81	03 00 00 50-0001		LS	Installation of County Furnished Slide Bearing Connections at Stair Tower	\$91,706.51		
				Quantity	Unit Price	Factor	Total
			NPP Task Installation	1.00	x \$72,501.00	x 1.2649	= \$91,706.51
			<b>User Note:</b>				
82	03 00 00 50-0002		LS	Furnish and install shotcrete walls on each level per plans	\$772,221.45		
				Quantity	Unit Price	Factor	Total
			NPP Task Installation	1.00	x \$610,500.00	x 1.2649	= \$772,221.45
			<b>User Note:</b>				
83	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$9,654.64		
				Quantity	Unit Price	Factor	Total
			Installation	1,200.00	x \$8.24	x 0.9764	= \$9,654.64
			<b>User Note:</b> Roughen existing concrete before installing new concrete infills and clean existing bars				



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 01 Level</b>						
84	03 11 13 00-0021		SF	>8' High Above Grade Wall Wood Formwork	\$12,233.32	
			Quantity	Unit Price	Factor	Total
			Installation	1,100.00 x \$11.39 x	0.9764 =	\$12,233.32
	<b>User Note:</b> Formworks for the shotcrete and wall infills at NW entry					
85	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90	
			Quantity	Unit Price	Factor	Total
			Installation	580.00 x \$4.04 x	0.9764 =	\$2,287.90
	<b>User Note:</b> Expansion joints between existing and new concrete					
86	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$6,991.65	
			Quantity	Unit Price	Factor	Total
			Installation	3.00 x \$2,386.88 x	0.9764 =	\$6,991.65
	<b>User Note:</b> Wall infill at the northwest corner level 1 elev near future electrical room					
87	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$1,307.01	
			Quantity	Unit Price	Factor	Total
			Installation	230.00 x \$5.82 x	0.9764 =	\$1,307.01
	<b>User Note:</b> Wall infill at the northwest corner level 1 elev near future electrical room					
88	03 31 13 00-0068		CY	8" Thick, By Concrete Pump, Place 3000 PSI Concrete WallsExcludes pumping equipment.	\$1,907.69	
			Quantity	Unit Price	Factor	Total
			Installation	10.00 x \$195.38 x	0.9764 =	\$1,907.69
	<b>User Note:</b> Wall infill at the northwest corner level 1 elev near future electrical room					
89	03 MO D0 00-0036	0036	CY	For 5,000 PSI Concrete, Add	\$128.37	
			Quantity	Unit Price	Factor	Total
			Installation	10.00 x \$13.94 x	0.9209 =	\$128.37
	<b>User Note:</b>					
90	03 31 13 00-0094		HR	Trailer Mounted Concrete PumpIncludes hoses	\$6,707.17	
			Quantity	Unit Price	Factor	Total
			Installation	48.00 x \$143.11 x	0.9764 =	\$6,707.16
91	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97	
			Quantity	Unit Price	Factor	Total
			Installation	1,100.00 x \$1.85 x	0.9764 =	\$1,986.97
	<b>User Note:</b> Finish for new walls					
92	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50	
			Quantity	Unit Price	Factor	Total
			Installation	1,300.00 x \$0.44 x	0.9764 =	\$558.50
	<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete					
<b>Subtotal for Category - 01 Level:</b>					<b>\$1,011,049.53</b>	
<b>Category - 02 Level</b>						
93	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41	
			Quantity	Unit Price	Factor	Total
			Installation	24.00 x \$66.29 x	0.9764 =	\$1,553.41
	<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal					



Record	Section - Item	Modifier	UOM	Description	Line Total
<b>Category - 02 Level</b>					
94	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14
				Installation	
				Quantity	Total
				220.00 x	\$16,452.14
				Unit Price	
				\$76.59 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds	
95	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17
				Installation	
				Quantity	Total
				36.00 x	\$2,692.17
				Unit Price	
				\$76.59 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels not covered by shotcrete sub	
96	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18
				Installation	
				Quantity	Total
				32.00 x	\$1,937.18
				Unit Price	
				\$62.00 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Remove existing fire sprinkler risers - selective demolition for reuse later in build-out.	
97	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$15,153.14
				Installation	
				Quantity	Total
				130.00 x	\$15,153.14
				Unit Price	
				\$119.38 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Temp shoring for misc shotcrete and slide bearing installations	
98	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01
				Installation	
				Quantity	Total
				80.00 x	\$9,325.01
				Unit Price	
				\$119.38 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Miscellaneous shoring	
99	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$676.76
				Installation	
				Quantity	Total
				456.00 x	\$676.76
				Unit Price	
				\$1.52 x	
				Factor	
				0.9764 =	
				<b>User Note:</b> Temporary perimeter fall protection at storefront	
100	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$1,135.36
				Installation	
				Quantity	Total
				456.00 x	\$1,135.36
				Unit Price	
				\$2.55 x	
				Factor	
				0.9764 =	
				<b>User Note:</b>	
101	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38
				Installation	
				Quantity	Total
				80.00 x	\$348.38
				Unit Price	
				\$4.46 x	
				Factor	
				0.9764 =	
102	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$1,549.74
				Installation	
				Quantity	Total
				80.00 x	\$1,549.74
				Unit Price	
				\$19.84 x	
				Factor	
				0.9764 =	
				<b>User Note:</b>	
103	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98
				Installation	
				Quantity	Total
				2.00 x	\$868.98
				Unit Price	
				\$444.99 x	
				Factor	
				0.9764 =	
				<b>User Note:</b>	





Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 02 Level</b>							
104	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76		
				Quantity	Unit Price	Factor	Total
			Installation	1,600.00 x	\$0.43 x	0.9764 =	\$671.76
			<b>User Note:</b>				
105	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81		
				Quantity	Unit Price	Factor	Total
			Installation	10.00 x	\$133.02 x	0.9764 =	\$1,298.81
			<b>User Note:</b> Locate existing rebars before boring				
106	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00 x	\$10.63 x	0.9764 =	\$6,019.90
107	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29		
				Quantity	Unit Price	Factor	Total
			Installation	600.00 x	\$7.96 x	0.9764 =	\$4,663.29
			<b>User Note:</b> Drill concrete for the remaining dowel requirements				
108	03 00 00 50-0003		LS	Prep, patch, and repair existing concrete floor cracks per sheet S202CR	\$171,141.94		
				Quantity	Unit Price	Factor	Total
			<b>NPP Task</b> Installation	1.00 x	\$135,300.77 x	1.2849 =	\$171,141.94
			<b>User Note:</b>				
109	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$6,436.43		
				Quantity	Unit Price	Factor	Total
			Installation	800.00 x	\$8.24 x	0.9764 =	\$6,436.43
			<b>User Note:</b> Roughen existing concrete before installing new concrete infills and clean existing bars not covered by shotcrete / concrete				
110	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78		
				Quantity	Unit Price	Factor	Total
			Installation	650.00 x	\$9.63 x	0.9764 =	\$6,111.78
			<b>User Note:</b> Formworks for the shotcrete walls				
111	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00 x	\$4.04 x	0.9764 =	\$2,287.90
			<b>User Note:</b> Expansion joints between existing and new concrete				
112	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$2,748.55		
				Quantity	Unit Price	Factor	Total
			<b>Excludes Material</b> Installation	2.00 x	\$1,407.49 x	0.9764 =	\$2,748.55
			<b>User Note:</b> Install existing rebars for walls and infills				
113	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$9,827.51		
				Quantity	Unit Price	Factor	Total
			<b>Excludes Material</b> Installation	8.00 x	\$1,258.13 x	0.9764 =	\$9,827.51
			<b>User Note:</b> Install existing rebars for walls and infills				
114	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96		
				Quantity	Unit Price	Factor	Total
			Installation	60.00 x	\$5.82 x	0.9764 =	\$340.96



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 02 Level</b>						
115	03 31 13 00-0042	CF		Hand Mix And Place ConcreteFor use where conventional equipment access is limited or when directed by the owner.	\$4,416.65	
			Quantity	Unit Price	Factor	Total
	Installation		180.00 x	\$25.13 x	0.9764 =	\$4,416.65
	<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.					
116	03 35 36 00-0002	SF		Wall Finishes, 1/16" Float Finish	\$1,986.97	
			Quantity	Unit Price	Factor	Total
	Installation		1,100.00 x	\$1.85 x	0.9764 =	\$1,986.97
	<b>User Note:</b> Finish for new walls					
117	03 39 33 00-0020	CSF		12 Oz Burlap, Concrete Curing Blanket	\$183.43	
			Quantity	Unit Price	Factor	Total
	Installation		6.00 x	\$31.31 x	0.9764 =	\$183.43
	<b>User Note:</b> Concrete curing for floor infills					
118	09 91 23 00-0026	SF		Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50	
			Quantity	Unit Price	Factor	Total
	Installation		1,300.00 x	\$0.44 x	0.9764 =	\$558.50
	<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete					
119	14 91 82 00-0017	FLR		36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89	
			Quantity	Unit Price	Factor	Total
	Installation		1.00 x	\$664.57 x	0.9764 =	\$648.89
	<b>User Note:</b> For bringing down trash					
120	26 01 20 00-0002	EA		Lock Out/Tag Out Local Disconnect	\$636.61	
			Quantity	Unit Price	Factor	Total
	Installation		40.00 x	\$16.30 x	0.9764 =	\$636.61
<b>Subtotal for Category - 02 Level:</b>					<b>\$271,672.15</b>	
<b>Category - 03 Level</b>						
121	01 22 20 00-0006	HR		CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41	
			Quantity	Unit Price	Factor	Total
	Installation		24.00 x	\$66.29 x	0.9764 =	\$1,553.41
	<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal					
122	01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17	
			Quantity	Unit Price	Factor	Total
	Installation		36.00 x	\$76.59 x	0.9764 =	\$2,692.17
	<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels not covered by shotcrete sub					
123	01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14	
			Quantity	Unit Price	Factor	Total
	Installation		220.00 x	\$76.59 x	0.9764 =	\$16,452.14
	<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds					



Record	Section - Item	Modifier	UOM	Description	Line Total								
<b>Category - 03 Level</b>													
124	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>32.00 x</td> <td>\$62.00 x</td> <td>0.9764 =</td> <td>\$1,937.18</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	32.00 x	\$62.00 x	0.9764 =	\$1,937.18	
Quantity	Unit Price	Factor	Total										
32.00 x	\$62.00 x	0.9764 =	\$1,937.18										
				<b>User Note:</b> Remove existing fire sprinkler risers - selective demolition for reinstallation at later phase.									
125	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$119.38 x</td> <td>0.9764 =</td> <td>\$9,325.01</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$119.38 x	0.9764 =	\$9,325.01	
Quantity	Unit Price	Factor	Total										
80.00 x	\$119.38 x	0.9764 =	\$9,325.01										
				<b>User Note:</b> Miscellaneous shoring									
126	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>350.00 x</td> <td>\$1.52 x</td> <td>0.9764 =</td> <td>\$519.44</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	350.00 x	\$1.52 x	0.9764 =	\$519.44	
Quantity	Unit Price	Factor	Total										
350.00 x	\$1.52 x	0.9764 =	\$519.44										
				<b>User Note:</b> Temporary perimeter fall protection at storefront									
127	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>350.00 x</td> <td>\$2.55 x</td> <td>0.9764 =</td> <td>\$871.44</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	350.00 x	\$2.55 x	0.9764 =	\$871.44	
Quantity	Unit Price	Factor	Total										
350.00 x	\$2.55 x	0.9764 =	\$871.44										
				<b>User Note:</b>									
128	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$4.46 x</td> <td>0.9764 =</td> <td>\$348.38</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$4.46 x	0.9764 =	\$348.38	
Quantity	Unit Price	Factor	Total										
80.00 x	\$4.46 x	0.9764 =	\$348.38										
				<b>User Note:</b>									
129	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$1,549.74								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$19.84 x</td> <td>0.9764 =</td> <td>\$1,549.74</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$19.84 x	0.9764 =	\$1,549.74	
Quantity	Unit Price	Factor	Total										
80.00 x	\$19.84 x	0.9764 =	\$1,549.74										
				<b>User Note:</b>									
130	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2.00 x</td> <td>\$444.99 x</td> <td>0.9764 =</td> <td>\$868.98</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	2.00 x	\$444.99 x	0.9764 =	\$868.98	
Quantity	Unit Price	Factor	Total										
2.00 x	\$444.99 x	0.9764 =	\$868.98										
				<b>User Note:</b>									
131	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1,600.00 x</td> <td>\$0.43 x</td> <td>0.9764 =</td> <td>\$671.76</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	1,600.00 x	\$0.43 x	0.9764 =	\$671.76	
Quantity	Unit Price	Factor	Total										
1,600.00 x	\$0.43 x	0.9764 =	\$671.76										
				<b>User Note:</b>									
132	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>10.00 x</td> <td>\$133.02 x</td> <td>0.9764 =</td> <td>\$1,298.81</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	10.00 x	\$133.02 x	0.9764 =	\$1,298.81	
Quantity	Unit Price	Factor	Total										
10.00 x	\$133.02 x	0.9764 =	\$1,298.81										
				<b>User Note:</b> Locate existing rebars before boring									
133	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>580.00 x</td> <td>\$10.63 x</td> <td>0.9764 =</td> <td>\$6,019.90</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	580.00 x	\$10.63 x	0.9764 =	\$6,019.90	
Quantity	Unit Price	Factor	Total										
580.00 x	\$10.63 x	0.9764 =	\$6,019.90										



Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 03 Level</b>							
134	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29		
				Quantity	Unit Price	Factor	Total
			Installation	600.00 x	\$7.96 x	0.9764 =	\$4,663.29
			<b>User Note:</b> Drill concrete for the remaining dowel requirements				
135	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$6,436.43		
				Quantity	Unit Price	Factor	Total
			Installation	800.00 x	\$8.24 x	0.9764 =	\$6,436.43
			<b>User Note:</b> Roughen existing concrete before installing new concrete infills and clean existing bars not covered by shotcrete / concrete				
136	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78		
				Quantity	Unit Price	Factor	Total
			Installation	650.00 x	\$9.63 x	0.9764 =	\$6,111.78
			<b>User Note:</b> Formworks for the shotcrete walls				
137	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00 x	\$4.04 x	0.9764 =	\$2,287.90
			<b>User Note:</b> Expansion joints between existing and new concrete				
138	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27		
		Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	1.00 x	\$1,407.49 x	0.9764 =	\$1,374.27
			<b>User Note:</b> Install existing rebars for walls				
139	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31		
		Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	3.00 x	\$1,258.13 x	0.9764 =	\$3,685.31
			<b>User Note:</b> Install existing rebars for walls				
140	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96		
				Quantity	Unit Price	Factor	Total
			Installation	60.00 x	\$5.82 x	0.9764 =	\$340.96
141	03 31 13 00-0042		CF	Hand Mix And Place Concrete For use where conventional equipment access is limited or when directed by the owner.	\$4,416.65		
				Quantity	Unit Price	Factor	Total
			Installation	180.00 x	\$25.13 x	0.9764 =	\$4,416.65
			<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.				
142	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97		
				Quantity	Unit Price	Factor	Total
			Installation	1,100.00 x	\$1.85 x	0.9764 =	\$1,986.97
			<b>User Note:</b> Finish for new walls				
143	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$183.43		
				Quantity	Unit Price	Factor	Total
			Installation	6.00 x	\$31.31 x	0.9764 =	\$183.43
			<b>User Note:</b> Concrete curing for floor infills				
144	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00 x	\$0.44 x	0.9764 =	\$558.50
			<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete				



Record	Section - Item	Modifier	UOM	Description	Line Total
<b>Category - 03 Level</b>					
145	14 91 82 00-0017		FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89
				Installation	
				Quantity	1.00 x
				Unit Price	\$664.57 x
				Factor	0.9764 =
				Total	\$648.89
				<b>User Note:</b> For bringing down trash	
146	26 01 20 00-0002		EA	Lock Out/Tag Out Local Disconnect	\$636.61
				Installation	
				Quantity	40.00 x
				Unit Price	\$16.30 x
				Factor	0.9764 =
				Total	\$636.61
<b>Subtotal for Category - 03 Level:</b>					<b>\$77,439.35</b>
<b>Category - 04 Level</b>					
147	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41
				Installation	
				Quantity	24.00 x
				Unit Price	\$66.29 x
				Factor	0.9764 =
				Total	\$1,553.41
				<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal	
148	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14
				Installation	
				Quantity	220.00 x
				Unit Price	\$76.59 x
				Factor	0.9764 =
				Total	\$16,452.14
				<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds	
149	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17
				Installation	
				Quantity	36.00 x
				Unit Price	\$76.59 x
				Factor	0.9764 =
				Total	\$2,692.17
				<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete	
150	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18
				Installation	
				Quantity	32.00 x
				Unit Price	\$62.00 x
				Factor	0.9764 =
				Total	\$1,937.18
				<b>User Note:</b> Remove existing fire sprinkler risers - selective demolition for re installation at later phase.	
151	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01
				Installation	
				Quantity	80.00 x
				Unit Price	\$119.38 x
				Factor	0.9764 =
				Total	\$9,325.01
				<b>User Note:</b> Miscellaneous shoring	
152	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44
				Installation	
				Quantity	350.00 x
				Unit Price	\$1.52 x
				Factor	0.9764 =
				Total	\$519.44
				<b>User Note:</b> Temporary perimeter fall protection at storefront	
153	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44
				Installation	
				Quantity	350.00 x
				Unit Price	\$2.55 x
				Factor	0.9764 =
				Total	\$871.44
				<b>User Note:</b>	



Record	Section - Item	Modifier	UOM	Description	Line Total
<b>Category - 04 Level</b>					
154	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of Material Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38
			Installation	Quantity 80.00 x Unit Price \$4.46 x Factor 0.9764 =	Total \$348.38
<b>User Note:</b>					
155	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or Dumpster Per CY of debris removed.	\$1,549.74
			Installation	Quantity 80.00 x Unit Price \$19.84 x Factor 0.9764 =	Total \$1,549.74
<b>User Note:</b>					
156	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98
			Installation	Quantity 2.00 x Unit Price \$444.99 x Factor 0.9764 =	Total \$868.98
<b>User Note:</b>					
157	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76
			Installation	Quantity 1,600.00 x Unit Price \$0.43 x Factor 0.9764 =	Total \$671.76
<b>User Note:</b>					
158	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81
			Installation	Quantity 10.00 x Unit Price \$133.02 x Factor 0.9764 =	Total \$1,298.81
<b>User Note:</b> Locate existing rebars before boring					
159	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90
			Installation	Quantity 580.00 x Unit Price \$10.63 x Factor 0.9764 =	Total \$6,019.90
160	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29
			Installation	Quantity 600.00 x Unit Price \$7.96 x Factor 0.9764 =	Total \$4,663.29
<b>User Note:</b> Drill concrete for the remaining dowel requirements					
161	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$10,459.20
			Installation	Quantity 1,300.00 x Unit Price \$8.24 x Factor 0.9764 =	Total \$10,459.20
<b>User Note:</b> Roughen existing concrete before installing new concrete					
162	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78
			Installation	Quantity 650.00 x Unit Price \$9.63 x Factor 0.9764 =	Total \$6,111.78
<b>User Note:</b> Formworks for the shotcrete walls					
163	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90
			Installation	Quantity 580.00 x Unit Price \$4.04 x Factor 0.9764 =	Total \$2,287.90
<b>User Note:</b> Expansion joints between existing and new concrete					
164	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27
		Excludes Material	Installation	Quantity 1.00 x Unit Price \$1,407.49 x Factor 0.9764 =	Total \$1,374.27
<b>User Note:</b> Install existing rebars for walls					



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 04 Level</b>						
165	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31	
	Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	3.00 x \$1,258.13 x	0.9764 =	\$3,685.31
	<b>User Note:</b> Install existing rebars for walls					
166	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96	
			Quantity	Unit Price	Factor	Total
			Installation	60.00 x \$5.82 x	0.9764 =	\$340.96
167	03 31 13 00-0042		CF	Hand Mix And Place ConcreteFor use where conventional equipment access is limited or when directed by the owner.	\$4,416.65	
			Quantity	Unit Price	Factor	Total
			Installation	180.00 x \$25.13 x	0.9764 =	\$4,416.65
	<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.					
168	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97	
			Quantity	Unit Price	Factor	Total
			Installation	1,100.00 x \$1.85 x	0.9764 =	\$1,986.97
	<b>User Note:</b> Finish for new walls					
169	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$183.43	
			Quantity	Unit Price	Factor	Total
			Installation	6.00 x \$31.31 x	0.9764 =	\$183.43
	<b>User Note:</b> Concrete curing for floor infills					
170	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50	
			Quantity	Unit Price	Factor	Total
			Installation	1,300.00 x \$0.44 x	0.9764 =	\$558.50
	<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete					
171	14 91 82 00-0017		FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89	
			Quantity	Unit Price	Factor	Total
			Installation	1.00 x \$664.57 x	0.9764 =	\$648.89
	<b>User Note:</b> For bringing down trash					
<b>Subtotal for Category - 04 Level:</b>					<b>\$80,825.51</b>	
<b>Category - 05 Level</b>						
172	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41	
			Quantity	Unit Price	Factor	Total
			Installation	24.00 x \$66.29 x	0.9764 =	\$1,553.41
	<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal					
173	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17	
			Quantity	Unit Price	Factor	Total
			Installation	36.00 x \$76.59 x	0.9764 =	\$2,692.17
	<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete					
174	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14	
			Quantity	Unit Price	Factor	Total
			Installation	220.00 x \$76.59 x	0.9764 =	\$16,452.14
	<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds					



Record	Section - Item	Modifier	UOM	Description	Line Total								
<b>Category - 05 Level</b>													
175	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>32.00 x</td> <td>\$62.00 x</td> <td>0.9764 =</td> <td>\$1,937.18</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	32.00 x	\$62.00 x	0.9764 =	\$1,937.18	
Quantity	Unit Price	Factor	Total										
32.00 x	\$62.00 x	0.9764 =	\$1,937.18										
				<b>User Note:</b> Remove existing fire sprinkler risers - selective demolition for re installation at later phase.									
176	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$119.38 x</td> <td>0.9764 =</td> <td>\$9,325.01</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$119.38 x	0.9764 =	\$9,325.01	
Quantity	Unit Price	Factor	Total										
80.00 x	\$119.38 x	0.9764 =	\$9,325.01										
				<b>User Note:</b> Miscellaneous shoring									
177	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>350.00 x</td> <td>\$1.52 x</td> <td>0.9764 =</td> <td>\$519.44</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	350.00 x	\$1.52 x	0.9764 =	\$519.44	
Quantity	Unit Price	Factor	Total										
350.00 x	\$1.52 x	0.9764 =	\$519.44										
				<b>User Note:</b> Temporary perimeter fall protection at storefront									
178	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>350.00 x</td> <td>\$2.55 x</td> <td>0.9764 =</td> <td>\$871.44</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	350.00 x	\$2.55 x	0.9764 =	\$871.44	
Quantity	Unit Price	Factor	Total										
350.00 x	\$2.55 x	0.9764 =	\$871.44										
				<b>User Note:</b>									
179	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$4.46 x</td> <td>0.9764 =</td> <td>\$348.38</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$4.46 x	0.9764 =	\$348.38	
Quantity	Unit Price	Factor	Total										
80.00 x	\$4.46 x	0.9764 =	\$348.38										
				<b>User Note:</b>									
180	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$1,549.74								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>80.00 x</td> <td>\$19.84 x</td> <td>0.9764 =</td> <td>\$1,549.74</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	80.00 x	\$19.84 x	0.9764 =	\$1,549.74	
Quantity	Unit Price	Factor	Total										
80.00 x	\$19.84 x	0.9764 =	\$1,549.74										
				<b>User Note:</b>									
181	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2.00 x</td> <td>\$444.99 x</td> <td>0.9764 =</td> <td>\$868.98</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	2.00 x	\$444.99 x	0.9764 =	\$868.98	
Quantity	Unit Price	Factor	Total										
2.00 x	\$444.99 x	0.9764 =	\$868.98										
				<b>User Note:</b>									
182	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1,600.00 x</td> <td>\$0.43 x</td> <td>0.9764 =</td> <td>\$671.76</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	1,600.00 x	\$0.43 x	0.9764 =	\$671.76	
Quantity	Unit Price	Factor	Total										
1,600.00 x	\$0.43 x	0.9764 =	\$671.76										
				<b>User Note:</b>									
183	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>10.00 x</td> <td>\$133.02 x</td> <td>0.9764 =</td> <td>\$1,298.81</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	10.00 x	\$133.02 x	0.9764 =	\$1,298.81	
Quantity	Unit Price	Factor	Total										
10.00 x	\$133.02 x	0.9764 =	\$1,298.81										
				<b>User Note:</b> Locate existing rebars before boring									
184	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90								
				<table border="1"> <thead> <tr> <th>Quantity</th> <th>Unit Price</th> <th>Factor</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>580.00 x</td> <td>\$10.63 x</td> <td>0.9764 =</td> <td>\$6,019.90</td> </tr> </tbody> </table>	Quantity	Unit Price	Factor	Total	580.00 x	\$10.63 x	0.9764 =	\$6,019.90	
Quantity	Unit Price	Factor	Total										
580.00 x	\$10.63 x	0.9764 =	\$6,019.90										





Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 05 Level</b>							
185	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29		
				Quantity	Unit Price	Factor	Total
			Installation	600.00 x	\$7.96 x	0.9764 =	\$4,663.29
			<b>User Note:</b> Drill concrete for the remaining dowel requirements				
186	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$10,459.20		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00 x	\$8.24 x	0.9764 =	\$10,459.20
			<b>User Note:</b> Roughen existing concrete before installing new concrete				
187	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78		
				Quantity	Unit Price	Factor	Total
			Installation	650.00 x	\$9.63 x	0.9764 =	\$6,111.78
			<b>User Note:</b> Formworks for the shotcrete walls				
188	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00 x	\$4.04 x	0.9764 =	\$2,287.90
			<b>User Note:</b> Expansion joints between existing and new concrete				
189	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27		
		Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	1.00 x	\$1,407.49 x	0.9764 =	\$1,374.27
			<b>User Note:</b> Install existing rebars for walls				
190	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31		
		Excludes Material		Quantity	Unit Price	Factor	Total
			Installation	3.00 x	\$1,258.13 x	0.9764 =	\$3,685.31
			<b>User Note:</b> Install existing rebars for walls				
191	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96		
				Quantity	Unit Price	Factor	Total
			Installation	60.00 x	\$5.82 x	0.9764 =	\$340.96
192	03 31 13 00-0042		CF	Hand Mix And Place Concrete For use where conventional equipment access is limited or when directed by the owner.	\$4,416.65		
				Quantity	Unit Price	Factor	Total
			Installation	180.00 x	\$25.13 x	0.9764 =	\$4,416.65
			<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.				
193	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97		
				Quantity	Unit Price	Factor	Total
			Installation	1,100.00 x	\$1.85 x	0.9764 =	\$1,986.97
			<b>User Note:</b> Finish for new walls				
194	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$183.43		
				Quantity	Unit Price	Factor	Total
			Installation	6.00 x	\$31.31 x	0.9764 =	\$183.43
			<b>User Note:</b> Concrete curing for floor infills				
195	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00 x	\$0.44 x	0.9764 =	\$558.50
			<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete				



Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 05 Level</b>							
196	14 91 82 00-0017		FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89		
				Quantity	Unit Price	Factor	Total
			Installation	1.00 x	\$664.57 x	0.9764 =	\$648.89
<b>User Note:</b> For bringing down trash							
<b>Subtotal for Category - 05 Level:</b>					<b>\$80,825.51</b>		
<b>Category - 06 level</b>							
197	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41		
				Quantity	Unit Price	Factor	Total
			Installation	24.00 x	\$66.29 x	0.9764 =	\$1,553.41
<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal							
198	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14		
				Quantity	Unit Price	Factor	Total
			Installation	220.00 x	\$76.59 x	0.9764 =	\$16,452.14
<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds							
199	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17		
				Quantity	Unit Price	Factor	Total
			Installation	36.00 x	\$76.59 x	0.9764 =	\$2,692.17
<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete							
200	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18		
				Quantity	Unit Price	Factor	Total
			Installation	32.00 x	\$62.00 x	0.9764 =	\$1,937.18
<b>User Note:</b> Remove existing fire sprinkler risers							
201	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01		
				Quantity	Unit Price	Factor	Total
			Installation	80.00 x	\$119.38 x	0.9764 =	\$9,325.01
<b>User Note:</b> Miscellaneous shoring							
202	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44		
				Quantity	Unit Price	Factor	Total
			Installation	350.00 x	\$1.52 x	0.9764 =	\$519.44
<b>User Note:</b> Temporary perimeter fall protection at storefront							
203	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44		
				Quantity	Unit Price	Factor	Total
			Installation	350.00 x	\$2.55 x	0.9764 =	\$871.44
<b>User Note:</b>							
204	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38		
				Quantity	Unit Price	Factor	Total
			Installation	80.00 x	\$4.46 x	0.9764 =	\$348.38
<b>User Note:</b>							



Record	Section - Item	Modifier	UOM	Description	Line Total
<b>Category - 06 Level</b>					
205	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or Dumpster Per CY of debris removed.	\$1,549.74
			Installation	Quantity 80.00 x Unit Price \$19.84 x Factor 0.9764 =	Total \$1,549.74
<b>User Note:</b>					
206	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98
			Installation	Quantity 2.00 x Unit Price \$444.99 x Factor 0.9764 =	Total \$868.98
<b>User Note:</b>					
207	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76
			Installation	Quantity 1,600.00 x Unit Price \$0.43 x Factor 0.9764 =	Total \$671.76
<b>User Note:</b>					
208	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81
			Installation	Quantity 10.00 x Unit Price \$133.02 x Factor 0.9764 =	Total \$1,298.81
<b>User Note:</b> Locate existing rebars before boring					
209	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90
			Installation	Quantity 580.00 x Unit Price \$10.63 x Factor 0.9764 =	Total \$6,019.90
210	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29
			Installation	Quantity 600.00 x Unit Price \$7.96 x Factor 0.9764 =	Total \$4,663.29
<b>User Note:</b> Drill concrete for the remaining dowel requirements					
211	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$10,459.20
			Installation	Quantity 1,300.00 x Unit Price \$8.24 x Factor 0.9764 =	Total \$10,459.20
<b>User Note:</b> Roughen existing concrete before installing new concrete					
212	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78
			Installation	Quantity 650.00 x Unit Price \$9.63 x Factor 0.9764 =	Total \$6,111.78
<b>User Note:</b> Formworks for the shotcrete walls					
213	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90
			Installation	Quantity 580.00 x Unit Price \$4.04 x Factor 0.9764 =	Total \$2,287.90
<b>User Note:</b> Expansion joints between existing and new concrete					
214	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27
		Excludes Material	Installation	Quantity 1.00 x Unit Price \$1,407.49 x Factor 0.9764 =	Total \$1,374.27
<b>User Note:</b> Install existing rebars for walls					
215	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31
		Excludes Material	Installation	Quantity 3.00 x Unit Price \$1,258.13 x Factor 0.9764 =	Total \$3,685.31
<b>User Note:</b> Install existing rebars for walls					



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 06 Level</b>						
216	03 21 11 00-0040	EA		Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96	
			Quantity	Unit Price	Factor	Total
	Installation		60.00 x	\$5.82 x	0.9764 =	\$340.96
217	03 31 13 00-0042	CF		Hand Mix And Place ConcreteFor use where conventional equipment access is limited or when directed by the owner.	\$4,416.65	
			Quantity	Unit Price	Factor	Total
	Installation		180.00 x	\$25.13 x	0.9764 =	\$4,416.65
	<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.					
218	03 35 36 00-0002	SF		Wall Finishes, 1/16" Float Finish	\$1,986.97	
			Quantity	Unit Price	Factor	Total
	Installation		1,100.00 x	\$1.85 x	0.9764 =	\$1,986.97
	<b>User Note:</b> Finish for new walls					
219	03 39 33 00-0020	CSF		12 Oz Burlap, Concrete Curing Blanket	\$183.43	
			Quantity	Unit Price	Factor	Total
	Installation		6.00 x	\$31.31 x	0.9764 =	\$183.43
	<b>User Note:</b> Concrete curing for floor infills					
220	09 91 23 00-0026	SF		Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50	
			Quantity	Unit Price	Factor	Total
	Installation		1,300.00 x	\$0.44 x	0.9764 =	\$558.50
	<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete					
221	14 91 82 00-0017	FLR		36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89	
			Quantity	Unit Price	Factor	Total
	Installation		1.00 x	\$664.57 x	0.9764 =	\$648.89
	<b>User Note:</b> For bringing down trash					
<b>Subtotal for Category - 06 Level:</b>					<b>\$80,825.51</b>	
<b>Category - 07 Level</b>						
222	01 22 20 00-0006	HR		CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41	
			Quantity	Unit Price	Factor	Total
	Installation		24.00 x	\$66.29 x	0.9764 =	\$1,553.41
	<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal					
223	01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14	
			Quantity	Unit Price	Factor	Total
	Installation		220.00 x	\$76.59 x	0.9764 =	\$16,452.14
	<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds					
224	01 22 20 00-0026	HR		Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17	
			Quantity	Unit Price	Factor	Total
	Installation		36.00 x	\$76.59 x	0.9764 =	\$2,692.17
	<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete					



Record	Section - Item	Modifier	UOM	Description	Line Total
<b>Category - 07 Level</b>					
225	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18
				Installation	
				Quantity	32.00 x
				Unit Price	\$62.00 x
				Factor	0.9764 =
				Total	\$1,937.18
				<b>User Note:</b> Remove existing fire sprinkler risers - selective demolition for reinstallation at later date where impacting shotcrete	
226	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01
				Installation	
				Quantity	80.00 x
				Unit Price	\$119.38 x
				Factor	0.9764 =
				Total	\$9,325.01
				<b>User Note:</b> Miscellaneous shoring	
227	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44
				Installation	
				Quantity	350.00 x
				Unit Price	\$1.52 x
				Factor	0.9764 =
				Total	\$519.44
				<b>User Note:</b> Temporary perimeter fall protection at storefront	
228	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44
				Installation	
				Quantity	350.00 x
				Unit Price	\$2.55 x
				Factor	0.9764 =
				Total	\$871.44
				<b>User Note:</b>	
229	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38
				Installation	
				Quantity	80.00 x
				Unit Price	\$4.46 x
				Factor	0.9764 =
				Total	\$348.38
				<b>User Note:</b>	
230	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$1,549.74
				Installation	
				Quantity	80.00 x
				Unit Price	\$19.84 x
				Factor	0.9764 =
				Total	\$1,549.74
				<b>User Note:</b>	
231	01 74 19 00-0017		EA	40 CY Dumpster (5 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98
				Installation	
				Quantity	2.00 x
				Unit Price	\$444.99 x
				Factor	0.9764 =
				Total	\$868.98
				<b>User Note:</b>	
232	01 74 19 00-0032		CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76
				Installation	
				Quantity	1,600.00 x
				Unit Price	\$0.43 x
				Factor	0.9764 =
				Total	\$671.76
				<b>User Note:</b>	
233	02 25 16 00-0005		EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81
				Installation	
				Quantity	10.00 x
				Unit Price	\$133.02 x
				Factor	0.9764 =
				Total	\$1,298.81
				<b>User Note:</b> Locate existing rebars before boring	
234	02 41 19 13-0051		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90
				Installation	
				Quantity	580.00 x
				Unit Price	\$10.63 x
				Factor	0.9764 =
				Total	\$6,019.90
235	02 41 19 13-0120		IN	Drill 1" Diameter Core In >12" Concrete	\$4,663.29
				Installation	
				Quantity	600.00 x
				Unit Price	\$7.96 x
				Factor	0.9764 =
				Total	\$4,663.29



Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 07 Level</b>							
236	03 01 30 51-0002		SF	Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$10,459.20		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00	\$8.24	0.9764 =	\$10,459.20
				x	x		
			<b>User Note:</b> Roughen existing concrete before installing new concrete				
237	03 11 13 00-0020		SF	Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78		
				Quantity	Unit Price	Factor	Total
			Installation	650.00	\$9.63	0.9764 =	\$6,111.78
				x	x		
			<b>User Note:</b> Formworks for the shotcrete walls				
238	03 15 16 00-0057		LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90		
				Quantity	Unit Price	Factor	Total
			Installation	580.00	\$4.04	0.9764 =	\$2,287.90
				x	x		
			<b>User Note:</b> Expansion joints between existing and new concrete				
239	03 21 11 00-0014		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27		
				Quantity	Unit Price	Factor	Total
			Installation	1.00	\$1,407.49	0.9764 =	\$1,374.27
				x	x		
			<b>User Note:</b> Install existing rebars for walls				
240	03 21 11 00-0015		TON	Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31		
				Quantity	Unit Price	Factor	Total
			Installation	3.00	\$1,258.13	0.9764 =	\$3,685.31
				x	x		
			<b>User Note:</b> Install existing rebars for walls				
241	03 21 11 00-0040		EA	Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96		
				Quantity	Unit Price	Factor	Total
			Installation	60.00	\$5.82	0.9764 =	\$340.96
				x	x		
242	03 31 13 00-0042		CF	Hand Mix And Place Concrete For use where conventional equipment access is limited or when directed by the owner.	\$4,416.65		
				Quantity	Unit Price	Factor	Total
			Installation	180.00	\$25.13	0.9764 =	\$4,416.65
				x	x		
			<b>User Note:</b> Concrete floor infills at locations noted on job walk but not shown on plans; coordination in field.				
243	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97		
				Quantity	Unit Price	Factor	Total
			Installation	1,100.00	\$1.85	0.9764 =	\$1,986.97
				x	x		
			<b>User Note:</b> Finish for new walls				
244	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$183.43		
				Quantity	Unit Price	Factor	Total
			Installation	6.00	\$31.31	0.9764 =	\$183.43
				x	x		
			<b>User Note:</b> Concrete curing for floor infills				
245	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00	\$0.44	0.9764 =	\$558.50
				x	x		
			<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete				
246	14 91 82 00-0017		FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89		
				Quantity	Unit Price	Factor	Total
			Installation	1.00	\$664.57	0.9764 =	\$648.89
				x	x		
			<b>User Note:</b> For bringing down trash				
<b>Subtotal for Category - 07 Level:</b>					<b>\$80,825.51</b>		



Record	Section - Item	Modifier	UOM	Description	Line Total																
<b>Category - 08 Level</b>																					
247	01 22 20 00-0006		HR	CarpenterTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,553.41																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>24.00</td> <td>x</td> <td>\$66.29</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$1,553.41</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	24.00	x	\$66.29	x	0.9764	=	\$1,553.41	
	Quantity		Unit Price		Factor		Total														
Installation	24.00	x	\$66.29	x	0.9764	=	\$1,553.41														
	<b>User Note:</b> 2 men x 3 days for shearwall form removal and disposal																				
248	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$16,452.14																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>220.00</td> <td>x</td> <td>\$76.59</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$16,452.14</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	220.00	x	\$76.59	x	0.9764	=	\$16,452.14	
	Quantity		Unit Price		Factor		Total														
Installation	220.00	x	\$76.59	x	0.9764	=	\$16,452.14														
	<b>User Note:</b> Install existing miscellaneous structural beams and threaded rod embeds																				
249	01 22 20 00-0026		HR	Rodman (Reinforcing)/Ornamental Steel WorkerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$2,692.17																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>36.00</td> <td>x</td> <td>\$76.59</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$2,692.17</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	36.00	x	\$76.59	x	0.9764	=	\$2,692.17	
	Quantity		Unit Price		Factor		Total														
Installation	36.00	x	\$76.59	x	0.9764	=	\$2,692.17														
	<b>User Note:</b> Assemble & disassemble cages to gain access to the drag beams and install epoxied dowels and shotcrete																				
250	01 22 20 00-0030		HR	Sprinkler InstallerTasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$1,937.18																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>32.00</td> <td>x</td> <td>\$62.00</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$1,937.18</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	32.00	x	\$62.00	x	0.9764	=	\$1,937.18	
	Quantity		Unit Price		Factor		Total														
Installation	32.00	x	\$62.00	x	0.9764	=	\$1,937.18														
	<b>User Note:</b> Remove existing fire sprinkler risers																				
251	01 22 23 00-0421		MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic ShoringUp to 88" spread width.	\$9,325.01																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>80.00</td> <td>x</td> <td>\$119.38</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$9,325.01</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	80.00	x	\$119.38	x	0.9764	=	\$9,325.01	
	Quantity		Unit Price		Factor		Total														
Installation	80.00	x	\$119.38	x	0.9764	=	\$9,325.01														
	<b>User Note:</b> Miscellaneous shoring																				
252	01 56 26 00-0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$519.44																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>350.00</td> <td>x</td> <td>\$1.52</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$519.44</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	350.00	x	\$1.52	x	0.9764	=	\$519.44	
	Quantity		Unit Price		Factor		Total														
Installation	350.00	x	\$1.52	x	0.9764	=	\$519.44														
	<b>User Note:</b> Temporary perimeter fall protection at storefront																				
253	01 MO D0 00-0080	0080	LF	For Shade Cloth, Add	\$871.44																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>350.00</td> <td>x</td> <td>\$2.55</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$871.44</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	350.00	x	\$2.55	x	0.9764	=	\$871.44	
	Quantity		Unit Price		Factor		Total														
Installation	350.00	x	\$2.55	x	0.9764	=	\$871.44														
	<b>User Note:</b>																				
254	01 66 19 00-0003		CY	Moving Material Via Elevator, Per CY Of MaterialQuantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	\$348.38																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>80.00</td> <td>x</td> <td>\$4.46</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$348.38</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	80.00	x	\$4.46	x	0.9764	=	\$348.38	
	Quantity		Unit Price		Factor		Total														
Installation	80.00	x	\$4.46	x	0.9764	=	\$348.38														
	<b>User Note:</b>																				
255	01 74 13 00-0003		CY	Collect Existing Debris And Load Into Truck Or DumpsterPer CY of debris removed.	\$1,549.74																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td></td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>80.00</td> <td>x</td> <td>\$19.84</td> <td>x</td> <td>0.9764</td> <td>=</td> <td>\$1,549.74</td> </tr> </table>		Quantity		Unit Price		Factor		Total	Installation	80.00	x	\$19.84	x	0.9764	=	\$1,549.74	
	Quantity		Unit Price		Factor		Total														
Installation	80.00	x	\$19.84	x	0.9764	=	\$1,549.74														
	<b>User Note:</b>																				



Record	Section - Item	Modifier	UOM	Description	Line Total	
<b>Category - 08 Level</b>						
256	01 74 19 00-0017	EA		40 CY Dumpster (5 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$868.98	
			Quantity	Unit Price	Factor	Total
	Installation		2.00 x	\$444.99 x	0.9764 =	\$868.98
<b>User Note:</b>						
257	01 74 19 00-0032	CYM		Hauling On Paved Roads, Miles Over Initial 15 Miles	\$671.76	
			Quantity	Unit Price	Factor	Total
	Installation		1,600.00 x	\$0.43 x	0.9764 =	\$671.76
<b>User Note:</b>						
258	02 25 16 00-0005	EA		X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	\$1,298.81	
			Quantity	Unit Price	Factor	Total
	Installation		10.00 x	\$133.02 x	0.9764 =	\$1,298.81
<b>User Note:</b> Locate existing rebars before boring						
259	02 41 19 13-0051	LF		Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	\$6,019.90	
			Quantity	Unit Price	Factor	Total
	Installation		580.00 x	\$10.63 x	0.9764 =	\$6,019.90
260	02 41 19 13-0120	IN		Drill 1" Diameter Core In >12" Concrete	\$4,663.29	
			Quantity	Unit Price	Factor	Total
	Installation		600.00 x	\$7.96 x	0.9764 =	\$4,663.29
261	03 01 30 51-0002	SF		Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	\$10,459.20	
			Quantity	Unit Price	Factor	Total
	Installation		1,300.00 x	\$8.24 x	0.9764 =	\$10,459.20
<b>User Note:</b> Roughen existing concrete before installing new concrete						
262	03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork	\$6,111.78	
			Quantity	Unit Price	Factor	Total
	Installation		650.00 x	\$9.63 x	0.9764 =	\$6,111.78
<b>User Note:</b> Formworks for the shotcrete walls						
263	03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint	\$2,287.90	
			Quantity	Unit Price	Factor	Total
	Installation		580.00 x	\$4.04 x	0.9764 =	\$2,287.90
<b>User Note:</b> Expansion joints between existing and new concrete						
264	03 21 11 00-0014	TON		Grade 60 Reinforcing Steel, Beams, Columns, Walls, #3-#6	\$1,374.27	
			Quantity	Unit Price	Factor	Total
	Installation		1.00 x	\$1,407.49 x	0.9764 =	\$1,374.27
<b>User Note:</b> Install existing rebars for walls						
265	03 21 11 00-0015	TON		Grade 60 Reinforcing Steel, Beams, Columns, Walls, #7-Up	\$3,685.31	
			Quantity	Unit Price	Factor	Total
	Installation		3.00 x	\$1,258.13 x	0.9764 =	\$3,685.31
<b>User Note:</b> Install existing rebars for walls						
266	03 21 11 00-0040	EA		Epoxy Coated Straight Dowels, 1" x 24" Long, #8 Rebar	\$340.96	
			Quantity	Unit Price	Factor	Total
	Installation		60.00 x	\$5.82 x	0.9764 =	\$340.96





Record	Section - Item	Modifier	UOM	Description	Line Total		
<b>Category - 08 Level</b>							
267	03 31 13 00-0042		CF	Hand Mix And Place Concrete For use where conventional equipment access is limited or when directed by the owner.	\$4,416.65		
				Quantity	Unit Price	Factor	Total
			Installation	180.00	x \$25.13	x 0.9764 =	\$4,416.65
<b>User Note:</b> Concrete Floor Infills							
268	03 35 36 00-0002		SF	Wall Finishes, 1/16" Float Finish	\$1,986.97		
				Quantity	Unit Price	Factor	Total
			Installation	1,100.00	x \$1.85	x 0.9764 =	\$1,986.97
<b>User Note:</b> Finish for new walls							
269	03 39 33 00-0020		CSF	12 Oz Burlap, Concrete Curing Blanket	\$183.43		
				Quantity	Unit Price	Factor	Total
			Installation	6.00	x \$31.31	x 0.9764 =	\$183.43
<b>User Note:</b> Concrete curing for floor infills							
270	09 91 23 00-0026		SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	\$558.50		
				Quantity	Unit Price	Factor	Total
			Installation	1,300.00	x \$0.44	x 0.9764 =	\$558.50
<b>User Note:</b> Apply bonding agent to existing concrete joining new concrete							
271	14 91 82 00-0017		FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	\$648.89		
				Quantity	Unit Price	Factor	Total
			Installation	1.00	x \$664.57	x 0.9764 =	\$648.89
<b>User Note:</b> For bringing down trash							

**Subtotal for Category - 08 Level: \$80,825.51**

**Proposal Total \$2,493,590.88**

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

**The Percent of NPP on this Proposal: 41.5092%**



**EZIQC WORK ORDER  
STANDARD FORM OF CONSTRUCTION CONTRACT  
BETWEEN COUNTY AND CONTRACTOR**

by and between

**ANGELES CONTRACTOR, INC.**

(the "Contractor")

And

**THE COUNTY OF RIVERSIDE**

(the "County")

FOR:

**RIVERSIDE PUBLIC DEFENDER/PROBATION PROJECT  
WORK ORDER #EZIQC-ACI-FM08240003992**

**4075 MAIN STREET  
RIVERSIDE, CA 92501**

**STANDARD FORM OF CONSTRUCTION CONTRACT FOR EZIQC**  
**BETWEEN COUNTY AND CONTRACTOR**

**THIS STANDARD FORM OF CONSTRUCTION CONTRACT FOR EZIQC BETWEEN COUNTY AND CONTRACTOR** ("Work Order Agreement") is entered into on this \_\_\_\_\_ day of \_\_\_\_\_, 2014 by and between **THE COUNTY OF RIVERSIDE**, a political subdivision of the State of California ("County") and Angeles Contractor, Inc., a corporation ("Contractor") whose principal place of business is located at 8461 Commonwealth Avenue, Buena Park, CA 90621.

**ARTICLE 1**  
**DEFINITIONS**

Capitalized terms used in the Contract Documents shall have the meanings assigned to them in the Supplementary General Conditions. If not defined in the Supplementary General Conditions, they shall have the meanings assigned to them elsewhere in the Contract Documents. If not defined in the Supplementary General Conditions or elsewhere, they shall have the meanings reasonably understood to apply to them by the context in which they are used.

**ARTICLE 2**  
**PERFORMANCE OF WORK**

**2.1 SCOPE OF WORK**

Contractor shall execute the entire Work called for by the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others.

**2.2 STANDARD OF PERFORMANCE**

In addition to and without limiting Contractor's other obligations under the Contract Documents, Contractor shall at all times in its performance of its obligations under the Contract Documents conform to the following general standards of performance:

**2.2.1** the requirements of the Contract Documents;

**2.2.2** the requirements and conditions of Applicable Laws;

**2.2.3** the standard of care applicable to those who provide construction of the type called for by this Construction Contract for projects of a scope and complexity comparable to the Project;

**2.2.4** Contractor shall furnish efficient business administration of the Work, utilizing sufficient senior level management and other qualified personnel to manage the Work; and

**2.2.5** Contractor shall apply its best and highest skill and attention to completing the Work in an expeditious and economical manner, consistent with the expressed best interests of the County and within the limitations of the Contract Price and Contract Time.

**ARTICLE 3  
CONTRACT TIME**

**3.1 CONTRACT TIME**

**3.1.1 Substantial Completion.** Subject to Contract Adjustments permitted by the Contract Documents, Contractor shall achieve Substantial Completion of the entire Work not later than One Hundred Twenty (120) Calendar Days after the Date of Commencement.

**3.1.2 Final Completion.** Subject to Contract Adjustments permitted by the Contract Documents, Contractor shall achieve Final Completion of the Work not later than Thirty (30) Calendar Days after the actual occurrence of Substantial Completion.

**3.1.3 Contract Adjustments.** The Contract Time shall be extended or shortened only in accordance with the provisions of the Contract Documents governing Contract Adjustments to the Contract Time.

**3.2 LIQUIDATED DAMAGES TO COUNTY**

**3.2.1 County's Right.** County and Contractor acknowledge that if Contractor fails to Substantially Complete the Work within the Contract Time for Substantial Completion, County will suffer substantial Losses, which would be both extremely difficult and impracticable to ascertain. On that basis they agree, as a reasonable estimate of those Losses and not a penalty, to the assessment and recovery by County of liquidated damages under this Section 3.2.

**3.2.2 Per Diem Rate.** If Contractor fails to actually achieve Substantial Completion of the entire Work within the Contract Time for Substantial Completion, Contractor shall pay to County as liquidated damages the amount of One Thousand Dollars (\$1000) per Day for each Day occurring after the expiration of the Contract Time for Substantial Completion until Contractor achieves Substantial Completion of the entire Work.

**3.2.3 Adjustment for Extensions of Time.** Subject to the provisions of Paragraph 8.2.8 of the Supplementary General Conditions dealing with concurrency of Delays, liquidated damages shall not be charged to Contractor for a period of time for which the Contractor is entitled under the Contract Documents to a Contract Adjustment to the Contract Time for Substantial Completion.

**3.2.4 Partial Completion.** The liquidated damages provided for under this Section 3.2 shall not be reduced or apportioned: (1) for Substantial Completion of portions of the Work prior to Substantial Completion of the entirety of the Work; or (2) if portions of the Work are deleted pursuant to (a) the County's right to order Deleted Work; or (b) a termination by County of a portion of the Construction Contract or a deletion of portion of Work for the convenience of the County or due to an Event of Contractor Default.

**3.2.5 Remedies.** County may deduct any liquidated damages payable under this Section 3.2 from money due or to become due to Contractor under the Contract Documents, or pursue any other legal remedy to collect such liquidated damages from Contractor and/or its Surety.

**3.2.6 Not a Limitation.** County's rights under this Section 3.2 shall not be interpreted as precluding or limiting: (1) any right or remedy of County arising from an Event of Contractor Default other than a failure to achieve Substantial Completion of the Work within the Contract Time for Substantial Completion; or (2) County's right to order an acceleration, at Contractor's Own Expense, of performance of the Work to overcome Delay, including, without limitation, a Delay for which County has the right to assess liquidated damages under this Section 3.2.

**3.3. LIQUIDATED DAMAGES TO CONTRACTOR**

**3.3.1 Contractor's Right.** County and Contractor acknowledge and agree that if Contractor is unable due to Compensable Delay to actually achieve Substantial Completion of the Work within the Contract Time for Substantial

Completion, Contractor and its affected Subcontractors will suffer Losses that would be both extremely difficult and impracticable to ascertain. On that basis they agree, as a reasonable estimate of those Losses and not a penalty, to the payment by County to Contractor of liquidated damages under this Section 3.3.

**3.3.2 Daily Rate.** Subject to the provisions of Paragraph 8.2.8 of the Supplementary General Conditions dealing with concurrency of Delays, the Contract Price shall be increased by Change Order or Unilateral Change Order in the amount of Five Hundred Dollars (\$500) per Day as liquidated damages for each Day for which Contractor is entitled under the Contract Documents to a Contract Adjustment extending the Contract Time for Substantial Completion due to Compensable Delay, with no additional amount added thereto or calculated thereon for Allowable Markup or any other markup for overhead or profit to Contractor or any Subcontractor, of any Tier.

**3.3.3 Payment by County.** A Change Order or Unilateral Change Order setting forth a Contract Adjustment to the Contract Price for liquidated damages permitted by this Section 3.3 shall be executed following, and not before, actual Substantial Completion and prior to or contemporaneously with Final Completion. Notwithstanding any other provision of the Contract Documents to the contrary and without limitation to the County's rights of withholding payment to Contractor as permitted elsewhere in the Contract Documents or under Applicable Laws, any amounts due to the Contractor under this Section 3.3 shall be payable as part of, and not prior to the due date for payment of, Final Payment to Contractor.

**3.3.4 Deleted Work.** A Contract Adjustment shall be made pursuant to Subparagraph 8.2.6.2 of the Supplementary General Conditions reducing the Contract Price and Contract Time in the event that the Contract Time is shortened due to (1) Deleted Work; or (2) a termination by County of a portion of the Construction Contract for convenience or due to an Event of Contractor Default.

**3.3.5 Termination.** County shall have no liability to Contractor to pay any liquidated damages under this Section 3.3, nor shall County have any other liability to Contractor or any Subcontractor for any Loss due to Delay (including, without limitation, Compensable Delay) in the event the Construction Contract is wholly terminated (whether such termination is a termination for cause by County or Contractor or a termination for convenience by County) at any time prior to expiration of the Contract Time for Substantial Completion set forth in Paragraph 3.1.1, above.

**3.3.6 Exclusive Remedy.** Liquidated damages payable by County under this Section 3.3 constitute the Contractor's sole and exclusive right and remedy for recovery from County of Losses to Contractor and its Subcontractors, of every Tier, that are attributable to Compensable Delay, regardless of the cause, duration or timing of the Compensable Delay and no other Contract Adjustment, or other form of compensation or reimbursement, of any kind, shall be made to Contractor or any Subcontractor, of any Tier, for any Loss resulting, directly or indirectly, from, or attributable to, any of the following: (1) Unexcused Delay or acceleration to overcome Unexcused Delay; (2) Excusable Delay or any acceleration not authorized by County in writing to overcome Excusable Delay; or (3) concurrency of a Compensable Delay with any different type or class of Unexcused Delay or Excusable Delay, whether such concurrency is a concurrency in cause or in effect.

**3.3.7 WAIVER BY CONTRACTOR.**

**CONTRACTOR WAIVES THE RIGHT TO FURTHER RECOURSE OR RECOVERY OF COSTS OR DAMAGES BY REASON OF OR RELATED TO ANY DELAY (INCLUDING, WITHOUT LIMITATION, COMPENSABLE DELAY) THAT IS IN EXCESS OF OR NOT RECOVERED BY CONTRACTOR AS PART OF THE LIQUIDATED DAMAGES PAYABLE TO CONTRACTOR UNDER THIS SECTION 3.3.**

**ARTICLE 4  
CONTRACTOR COMPENSATION**

**4.1 CONTRACT PRICE**

**4.1.1 Contract Price.** County shall pay the Contractor in current funds for the Contractor's performance of the Work in accordance with the Contract Documents the Contract Price, exclusive of Contract Adjustments, of Two Million Four Hundred Ninety Three Thousand Five Hundred Ninety Dollars (\$2,493,590).

**4.1.2 Basis.** The Contract Price set forth in Paragraph 4.1.1, above, is based on the Work Order submitted by Contractor and accepted by County as set forth in Section 4.2, below. This Construction Contract is the Purchase Order issued by an NJPA member as referenced in the Indefinite Quantity Construction Agreement between the Contractor and NJPA; and, as that document states, any Purchase Order issued by an NJPA member including terms and conditions and supplemental specs shall govern.

**4.1.3 Adjustments.** The Contract Price is only subject to adjustment as permitted by the Supplementary General Conditions for Contract Adjustments due to Compensable Changes, Deleted Work or Compensable Delay.

**4.1.4 All-Inclusive Price.** The Contract Price as adjusted for Contract Adjustment permitted by the Contract Documents is the total amount payable by County to Contractor for performance of the Work under the Contract Documents and is deemed to cover all Losses, foreseeable or unforeseeable, arising out of or related to past, present or future circumstances within or outside the control of the Contractor or its Subcontractors affecting the time or cost of performing the Work, including, without limitation, the effects of natural elements upon the Work, unforeseen difficulties or obstructions affecting the performance of the Work (including, without limitation, unforeseen conditions at the Site that do not constitute Differing Site Conditions) and unforeseen fluctuations in market conditions and price escalations (whether occurring locally, nationally or internationally).

**4.2 ALTERNATES**

The Contract Price includes the following Alternates, which are described in the Contract Documents and are hereby accepted by County:

Number	Description	Dollar Amount
N/A	N/A	N/A

**4.3 UNIT PRICES**

Unit prices agreed to by County and Contractor are as follows:

Description	Measurement Unit	Dollar Amount
N/A	N/A	N/A

**ARTICLE 5  
ENUMERATION OF CONTRACT DOCUMENTS**

**5.1 LIST OF CONTRACT DOCUMENTS**

The Contract Documents include, without limitation, the following:

**5.1.1 Construction Contract.** The Contract Documents include this executed Standard Form of Construction Contract for EZIQC Between County and Contractor.

**5.1.2 General Conditions.** The Contract Documents include the  NJPA IQCC Standard Terms and Conditions and Contract General Conditions (Book 2),  Supplementary General Conditions of the Standard Form of Construction Contract for EZIQC Between County and Contractor (Long Form) or  Supplementary General Conditions of the Standard Form of Construction Contract Between County and Contractor (Short Form).

**5.1.3 Specifications.** The Contract Documents include the following Specifications:

Title	Date	Divisions
Riverside Public Defender Remodel		<b>01420</b> – Testing and Inspection Services <b>02151</b> – Shoring of Existing Structure <b>03100</b> – Concrete Forming <b>03250</b> – Epoxy Set Dowels & Expansion Anchors <b>03345</b> – Concrete Finishing <b>03360</b> – Pneumatically Placed Concrete (Shotcrete)

**5.1.4 Drawings.** The Contract Documents include the following Drawings dated July 24, 2013, unless a different date is shown below:

Sheet Number	Title	Date	Pages
All sheets included in the referenced drawing set	Law Offices for Public Defender; Prepared by Holt Architects and JCE Structural Engineering Group, Inc.	September 25, 2014	Thirty One (31) plan sheets.

**5.1.5** Also incorporated herein are:

- 5.1.5.1. NJPA Membership Agreement (executed)
- 5.1.5.2. NJPA Indefinite Quantity Construction Agreement
- 5.1.5.3. NJPA Invitation to bid (IFB) Documents
- 5.1.5.4. NJPA Project Information, Instructions to Bidders and Execution Documents (Book 1)
- 5.1.5.5. EZIQC Work Order & Detailed Scope Documents

**ARTICLE 6  
SPECIAL REQUIREMENTS**

**6.1 LABOR CODE SECTION 1861 CERTIFICATION**

By signing below, Contractor certifies that he/she/it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of the California Labor Code, and that he/she/it will comply with such provisions before commencing the performance of the Work.

**CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD WHICH HAS JURISDICTION TO INVESTIGATE COMPLAINTS AGAINST CONTRACTORS IF A COMPLAINT REGARDING A PATENT ACT OR OMISSION IS FILED WITHIN FOUR YEARS OF THE DATE OF THE ALLEGED VIOLATION. A COMPLAINT REGARDING A LATENT ACT OR OMISSION PERTAINING TO STRUCTURAL DEFECTS MUST BE FILED WITHIN 10 YEARS OF THE DATE OF THE ALLEGED VIOLATION. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, P.O. BOX 26000, SACRAMENTO, CALIFORNIA, 95826.**

IN WITNESS WHEREOF, the parties hereto have made and executed four (4) originals of this Construction Contract, on \_\_\_\_\_  
[to be filled in by Clerk of the Board].

**[SIGNATURES ON FOLLOWING PAGE**



to Riverside County Clerk of the Board, Stop 1010  
Post Office Box 1147, Riverside, Ca 92502-1147  
Thank you.

**"COUNTY"**

COUNTY OF RIVERSIDE

By: Jeff Stone  
Jeff Stone, Chairman  
Board of Supervisors

**ATTEST:**

KECIA HARPER-IHEM  
Clerk of the Board  
By: Kecia Harper-Ihem  
Deputy

(SEAL)

**APPROVED AS TO FORM:**  
GREGORY P. PRIAMOS  
County Counsel  
By: Marsha L. Victor 10/29/14  
Marsha L. Victor  
Principal Deputy County Counsel

**"CONTRACTOR"**

Angeles Contractor, Inc.  
[Signature]  
(sign on line above)  
By: Young Kang  
(type name)  
Title: President / Secretary

The following information must be provided concerning the Contractor:

State whether Contractor is corporation, individual, partnership, joint venture or other:  
Corporation

If "other", enter legal form of business:  
N/A

Enter address:  
8461 Commonwealth Avenue  
Buena Park, CA 90621

Telephone: 714-443-3655  
Facsimile: 714-443-3293  
Email: ywkang@angelescontractor.com

Employer State  
Tax ID #: 252-6015-9

State Contractor License #: 858483

If Contractor is not an individual or corporation, list names of 4 representatives who have authority to contractually bind Contractor:  
N/A

If Contractor is a corporation, state:  
Name of President: Young Kang  
Name of Secretary: Young Kang  
State of Incorporation: California

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Orange



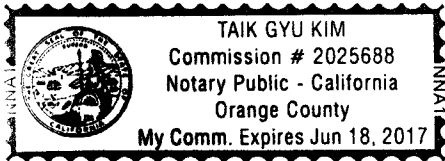
On 10/16/2014 before me, Taik Gyu Kim, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Young Kang  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature [Handwritten Signature]  
Signature of Notary Public

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

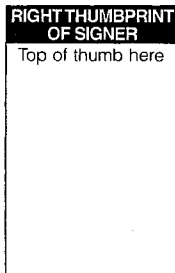
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

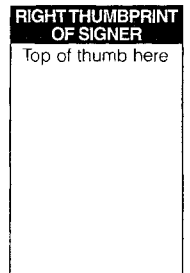
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Executed in Four Counterparts

Project No. FM08240003992

Bond No. 0186411

Premium: \$19,971.00

Premium is for contract term and is subject to adjustment based on final contract price

## **PAYMENT BOND**

(Public Work - Civil Code Sections 9550 et seq.)

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the County of Riverside ("County") by action of the Board of Supervisors on \_\_\_\_\_, 20\_\_, has awarded Construction Contract Number EZIQC-ACI-FM08240003992 ("Contract") to the undersigned Angeles Contractor, Inc. as Principal ("Principal") to perform the work ("Work") for the following project: Riverside Public Defender/Probation Building;

AND, WHEREAS, said Principal is required by the Contract and/or by Division 3, Part IV, Title XV, Chapter 7 (commencing at Section 9550) of the California Civil Code to furnish a payment bond in connection with the Contract;

NOW THEREFORE, we, the Principal and Berkley Insurance Company ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto County in the penal sum of Two Million Four Hundred Ninety Three Thousand Five Hundred Ninety & 00/100 Dollars (\$2,493,590.00), this amount being not less than one hundred percent (100%) of the total sum payable by County under the Contract at the time the Contract is awarded by County to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors, or assigns approved by County, or its subcontractors, of any contracting tier, shall fail to pay any person or persons named in California Civil Code, Section 9554, then Surety will pay for the same, in or to an amount not exceeding the penal amount hereinabove set forth, and also will pay to the prevailing party if suit is brought upon this bond, reasonable attorney's fees as provided in California Civil Code, Section 9564.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the Work to be performed thereunder, nor any rescission or attempted rescission of the Contract or this bond, nor any conditions precedent or subsequent in the bond or Contract attempting to limit the right of recovery of any claimant otherwise entitled to recover under the Contract or this bond shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

Surety is not released from liability to those for whose benefit this bond has been given, by reason of any breach of the Contract by County or Principal.

Template Form Approved 12.11.13

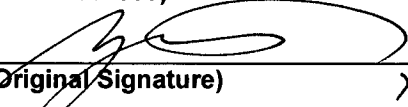
Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing County's rights against the others. Signed, Sealed and Dated: October 15, 2014

**Affix Seal if Corporation**

Angeles Contractor, Inc.  
\_\_\_\_\_  
(Firm Name – Principal)

8461 Commonwealth Avenue  
\_\_\_\_\_  
Buena Park, CA 90621  
\_\_\_\_\_

\_\_\_\_\_  
(Business Address)

By   
\_\_\_\_\_  
(Original Signature) YOUNG KANG


\_\_\_\_\_  
President  
(Title)

Berkley Insurance Company  
\_\_\_\_\_  
(Corporation Name – Surety)

**Affix Corporate Seal**

505 N. Brand Blvd., Suite 1040  
\_\_\_\_\_  
Glendale, CA 91203  
\_\_\_\_\_

\_\_\_\_\_  
(Business Address)

By   
\_\_\_\_\_  
(Signature - Attached Notary's Acknowledgment)  
William Syrkin

\_\_\_\_\_  
ATTORNEY-IN-FACT  
(Title-Attach Power of Attorney)

**Note: Notary acknowledgment of signatures of Contractor and Surety, and Surety's Power of Attorney, must be included or attached**

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**  
**CIVIL CODE § 1189**

State of California }  
 County of Orange }

On 10/15/2014 before me, R. Paramo, Notary Public  
*Date Here Insert Name and Title of the Officer*

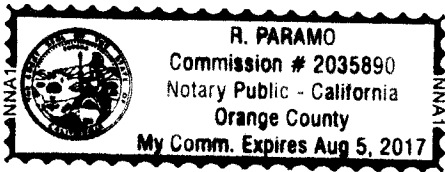
personally appeared William Syrkin  
*Name(s) of Signer(s)*

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Handwritten Signature]  
*Signature of Notary Public*



*Place Notary Seal Above*

**OPTIONAL**

*Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.*

**Description of Attached Document**

Title or Type of Document: Payment Bond No. 0186411 Document Date: 10/15/2014

Number of Pages: Two (2) Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: William Syrkin  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_  
Berkley Insurance Company

Signer Is Representing: \_\_\_\_\_

POWER OF ATTORNEY  
BERKLEY INSURANCE COMPANY  
WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *William Syrkin, Richard Adair or Rebecca Haas-Bates of Millennium Corporate Solutions, Inc. d/b/a Millennium Risk Management & Insurance of Glendale, CA* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed *Fifty Million and 00/100 U.S. Dollars (U.S.\$50,000,000.00)*, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

**RESOLVED**, that, with respect to the Surety business written by Berkley Surety Group, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

**RESOLVED**, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

**RESOLVED**, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

**RESOLVED**, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 10 day of May, 2013.

Attest:

Berkley Insurance Company

(Seal)

By

By

Ira S. Lederman  
Senior Vice President & Secretary

Jeffrey M. Hafter  
Senior Vice President

**WARNING: THIS POWER INVALID IF NOT PRINTED ON BLUE "BERKLEY" SECURITY PAPER.**

STATE OF CONNECTICUT )

) ss:

COUNTY OF FAIRFIELD )

Sworn to before me, a Notary Public in the State of Connecticut, this 10 day of May, 2013, by Ira S. Lederman and Jeffrey M. Hafter who are sworn to me to be the Senior Vice President and Secretary, and the Senior Vice President, respectively, of Berkley Insurance Company.

Kathleen Corey  
Notary Public, State of Connecticut  
**KATHLEEN COREY  
NOTARY PUBLIC  
CONNECTICUT  
MY COMMISSION EXPIRES OCTOBER 31, 2017**

**CERTIFICATE**

I, the undersigned, Assistant Secretary of BERKLEY INSURANCE COMPANY, DO HEREBY CERTIFY that the foregoing is a true, correct and complete copy of the original Power of Attorney; that said Power of Attorney has not been revoked or rescinded and that the authority of the Attorney-in-Fact set forth therein, who executed the bond or undertaking to which this Power of Attorney is attached, is in full force and effect as of this date.

Given under my hand and seal of the Company, this 15th day of October, 2014.

(Seal)

Andrew M. Tuma

WARNING - Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is void unless seals are readable and the certification seal at the bottom is embossed. The background imprint, warning and confirmation (on reverse) must be in blue ink.

## **Instructions for Inquiries and Notices Under the Bond Attached to This Power**

Berkley Surety Group is the affiliated underwriting manager for the surety business of: Acadia Insurance Company, Berkley Insurance Company, Berkley Regional Insurance Company, Carolina Casualty Insurance Company, Union Standard Insurance Company, Continental Western Insurance Company, and Union Insurance Company.

To verify the authenticity of the bond, please call (866) 768-3534 or email [BSGInquiry@berkleysurety.com](mailto:BSGInquiry@berkleysurety.com)

---

Any written notices, inquiries, claims or demands to the surety on the bond to which this Rider is attached should be directed to:

**Berkley Surety Group  
412 Mount Kemble Avenue  
Suite 310N  
Morristown, NJ 07960  
Attention: Surety Claims Department**

**Or**

**email [BSGClaim@berkleysurety.com](mailto:BSGClaim@berkleysurety.com)**

Please include with all notices the bond number and the name of the principal on the bond. Where a claim is being asserted, please set forth generally the basis of the claim. In the case of a payment or performance bond, please identify the project to which the bond pertains.

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Orange



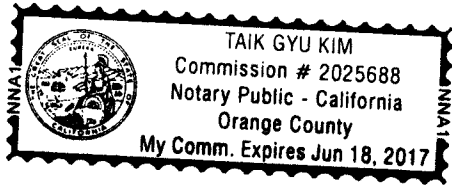
On 10/16/2014 before me, Taik Gyu Kim, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Young Kang  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(e)~~ whose name~~(e)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(e)~~, or the entity upon behalf of which the person~~(e)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature [Handwritten Signature]  
Signature of Notary Public

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

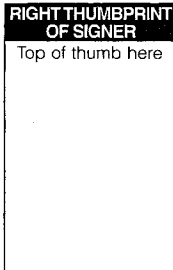
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_



Executed in Four Counterparts

Project No. FM08240003992

Bond No. 0186411

Premium Included in Performance Bond

## **PERFORMANCE BOND**

(Public Work – Public Contract Code Section 20129 (b))

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the County of Riverside ("County") by action of the Board of Supervisors on \_\_\_\_\_, 20\_\_, has awarded Construction Contract Number EZIQC-ACI-FM08240003992 ("Contract") to the undersigned Angeles Contractor, Inc. as Principal ("Principal") to perform the work ("Work") for the following project: Mental Health Administration Building Tenant Improvement, which Contract is by this reference hereby incorporated herein and made a part hereof;

AND, WHEREAS, said Principal is required by the Contract and/or by California Public Contract Code, Section 20129 (b) to furnish a performance bond for the faithful performance of the Contract;

NOW THEREFORE, we, the Principal and Berkley Insurance Company ("Surety"), an admitted surety insurer pursuant to Code of Civil Procedure, Section 995.120, are held and firmly bound unto County in the penal sum of Two Million Four Hundred Ninety Three Thousand Five Hundred Ninety & 00/100 Dollars (\$2,493,590.00), this amount being not less than one hundred percent (100%) of the total sum payable by County under the Contract at the time the Contract is awarded by County to the Principal, lawful money of the United States of America, for the payment of which sum well and truly to be made, we, Principal and Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if Principal, its heirs, executors, administrators, successors or assigns approved by County, shall in all things stand to and abide by and well and truly keep and perform all the undertakings, terms, covenants, conditions and agreements in the Contract, including, without limitation, all obligations during the original term and any extensions thereof as may be granted by County, with or without notice to Surety thereof (including, without limitation, the obligation for Principal to pay liquidated damages), all obligations during the period of any warranties and guarantees required under the Contract and all other obligations otherwise arising under the terms of the Contract (such as, but not limited to, obligations of indemnification), all within the time and in the manner therein designated in all respects according to their true intent and meaning, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

Whenever Principal shall be, and is declared by County to be, in default under the Contract, the Surety shall promptly either remedy the default, or, if the Contract is terminated by County or the Principal's performance of the Work is discontinued, Surety shall promptly complete the Contract through its agents or independent contractors, subject to acceptance of such agents or independent contractors

Template Form Approved 12.11.13

by County as hereinafter set forth, in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract (including, without limitation, all obligations with respect to payment of liquidated damages) less the "Balance of the Contract Price" (as hereinafter defined); subject to the penal amount of this bond as set forth above. The term "Balance of the Contract Price," as used in this paragraph, shall mean the total amount payable to Principal by County under the Contract and any modifications thereto, less the amount previously paid by County to the Principal and less amounts that County is authorized to withhold under the terms of the Contract.

If County determines that completion of the Contract by Surety or its agents or independent contractors must be performed by a lowest responsible bidder selected pursuant to a competitive bidding process, then Surety shall comply with such processes in accordance with the requirements of County and applicable laws. Unless otherwise approved by District, in the exercise of its sole and absolute discretion, Surety shall not utilize Principal in completing performance of the Work.

No right of action shall accrue on this bond to or for the use of any person or entity other than County or its successors or assigns.

In the event any legal proceeding or arbitration is brought upon this bond by County and judgment or award is entered in favor of County as the prevailing party, Surety shall pay all costs and attorney's fees incurred by the County.

Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

Surety, for value received, agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder, shall in any way impair or affect Surety's obligation under this bond, and Surety does hereby waive notice of any such changes, extensions of time, alterations or additions.

Surety's obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, joint and severally, or against any one or more of them or against less than all of them, without impairing County's rights against the others.

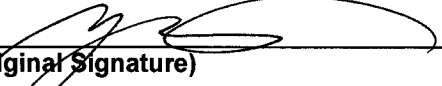
Signed, Sealed and Dated: October 15, 2014

**Affix Seal if Corporation**

Angeles Contractor, Inc.  
**(Firm Name – Principal)**

8461 Commonwealth Avenue  
Buena Park, CA 90621

**(Business Address)**

By   
**(Original Signature)** *YOUNG KANG*

*President*  
**(Title)**

Berkley Insurance Company  
**(Corporation Name – Surety)**

**Affix Corporate Seal**

505 N. Brand Blvd., Suite 1040  
Glendale, CA 91203

**(Business Address)**

By   
**(Signature – Attached Notary's Acknowledgment)**

William Syrkin  
**ATTORNEY-IN-FACT**  
**(Title-Attach Power of Attorney)**

**Note:** Notary acknowledgment of signatures of Contractor and Surety, and Surety's Power of Attorney, must be included or attached

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**  
**CIVIL CODE § 1189**

State of California }  
 County of Orange }

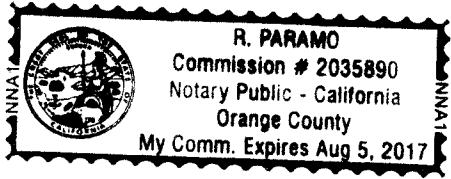
On 10/15/2014 before me, R. Paramo, Notary Public  
*Date Here Insert Name and Title of the Officer*

personally appeared William Syrkin  
*Name(s) of Signer(s)*

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.  
 Signature: [Signature]  
*Signature of Notary Public*



*Place Notary Seal Above*

**OPTIONAL**

*Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.*

**Description of Attached Document**

Title or Type of Document: Performance Bond No. 0186411 Document Date: 10/15/2014  
 Number of Pages: Three (3) Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: <u>William Syrkin</u>	Signer's Name: _____
<input type="checkbox"/> Corporate Officer — Title(s): _____	<input type="checkbox"/> Corporate Officer — Title(s): _____
<input type="checkbox"/> Partner — <input type="checkbox"/> Limited <input type="checkbox"/> General	<input type="checkbox"/> Partner — <input type="checkbox"/> Limited <input type="checkbox"/> General
<input type="checkbox"/> Individual <input checked="" type="checkbox"/> Attorney in Fact	<input type="checkbox"/> Individual <input type="checkbox"/> Attorney in Fact
<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator	<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____

Signer Is Representing: Berkley Insurance Company Signer Is Representing: \_\_\_\_\_

POWER OF ATTORNEY  
**BERKLEY INSURANCE COMPANY**  
 WILMINGTON, DELAWARE

NOTICE: The warning found elsewhere in this Power of Attorney affects the validity thereof. Please review carefully.

KNOW ALL MEN BY THESE PRESENTS, that BERKLEY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, having its principal office in Greenwich, CT, has made, constituted and appointed, and does by these presents make, constitute and appoint: *William Syrkin, Richard Adair or Rebecca Haas-Bates of Millennium Corporate Solutions, Inc. d/b/a Millennium Risk Management & Insurance of Glendale, CA* its true and lawful Attorney-in-Fact, to sign its name as surety only as delineated below and to execute, seal, acknowledge and deliver any and all bonds and undertakings, with the exception of Financial Guaranty Insurance, providing that no single obligation shall exceed *Fifty Million and 00/100 U.S. Dollars (U.S.\$50,000,000.00)*, to the same extent as if such bonds had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office in their own proper persons.

This Power of Attorney shall be construed and enforced in accordance with, and governed by, the laws of the State of Delaware, without giving effect to the principles of conflicts of laws thereof. This Power of Attorney is granted pursuant to the following resolutions which were duly and validly adopted at a meeting of the Board of Directors of the Company held on January 25, 2010:

**RESOLVED**, that, with respect to the Surety business written by Berkley Surety Group, the Chairman of the Board, Chief Executive Officer, President or any Vice President of the Company, in conjunction with the Secretary or any Assistant Secretary are hereby authorized to execute powers of attorney authorizing and qualifying the attorney-in-fact named therein to execute bonds, undertakings, recognizances, or other suretyship obligations on behalf of the Company, and to affix the corporate seal of the Company to powers of attorney executed pursuant hereto; and said officers may remove any such attorney-in-fact and revoke any power of attorney previously granted; and further

**RESOLVED**, that such power of attorney limits the acts of those named therein to the bonds, undertakings, recognizances, or other suretyship obligations specifically named therein, and they have no authority to bind the Company except in the manner and to the extent therein stated; and further

**RESOLVED**, that such power of attorney revokes all previous powers issued on behalf of the attorney-in-fact named; and further

**RESOLVED**, that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any power of attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligation of the Company; and such signature and seal when so used shall have the same force and effect as though manually affixed. The Company may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Company, notwithstanding the fact that they may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, the Company has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 10 day of May, 2013.

Attest:  
 By [Signature]  
 Ira S. Lederman  
 Senior Vice President & Secretary

Berkley Insurance Company  
 By [Signature]  
 Jeffrey M. Hafter  
 Senior Vice President

**WARNING: THIS POWER INVALID IF NOT PRINTED ON BLUE "BERKLEY" SECURITY PAPER.**

STATE OF CONNECTICUT )  
 ) ss:  
 COUNTY OF FAIRFIELD )

Sworn to before me, a Notary Public in the State of Connecticut, this 10 day of May, 2013, by Ira S. Lederman and Jeffrey M. Hafter who are sworn to me to be the Senior Vice President and Secretary, and the Senior Vice President, respectively, of Berkley Insurance Company.

[Signature]  
 Notary Public, State of Connecticut  
**KATHLEEN COREY**  
 NOTARY PUBLIC  
 CONNECTICUT  
 MY COMMISSION EXPIRES OCTOBER 31, 2017

**CERTIFICATE**

I, the undersigned, Assistant Secretary of BERKLEY INSURANCE COMPANY, DO HEREBY CERTIFY that the foregoing is a true, correct and complete copy of the original Power of Attorney; that said Power of Attorney has not been revoked or rescinded and that the authority of the Attorney-in-Fact set forth therein, who executed the bond or undertaking to which this Power of Attorney is attached, is in full force and effect as of this date.

Given under my hand and seal of the Company, this 15th day of October, 2014

(Seal) [Signature]  
 Andrew M. Tuma

WARNING - Any unauthorized reproduction or alteration of this document is prohibited. This power of attorney is void unless seals are readable and the certification seal at the bottom is embossed. The background imprint, warning and confirmation (on reverse) must be in blue ink.

## **Instructions for Inquiries and Notices Under the Bond Attached to This Power**

Berkley Surety Group is the affiliated underwriting manager for the surety business of: Acadia Insurance Company, Berkley Insurance Company, Berkley Regional Insurance Company, Carolina Casualty Insurance Company, Union Standard Insurance Company, Continental Western Insurance Company, and Union Insurance Company.

To verify the authenticity of the bond, please call (866) 768-3534 or email [BSGInquiry@berkleysurety.com](mailto:BSGInquiry@berkleysurety.com)

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Any written notices, inquiries, claims or demands to the surety on the bond to which this Rider is attached should be directed to:

**Berkley Surety Group  
412 Mount Kemble Avenue  
Suite 310N  
Morristown, NJ 07960  
Attention: Surety Claims Department**

**Or**

**email [BSGClaim@berkleysurety.com](mailto:BSGClaim@berkleysurety.com)**

Please include with all notices the bond number and the name of the principal on the bond. Where a claim is being asserted, please set forth generally the basis of the claim. In the case of a payment or performance bond, please identify the project to which the bond pertains.

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Orange



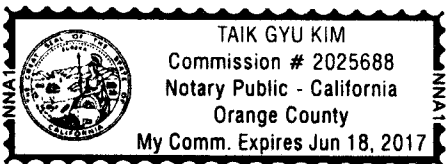
On 10/16/2014 before me, Taik Gyu Kim, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Young Kang  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person ~~(s)~~ whose name ~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity ~~(ies)~~, and that by his/~~her/their~~ signature ~~(s)~~ on the instrument the person ~~(s)~~, or the entity upon behalf of which the person ~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature   
Signature of Notary Public

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

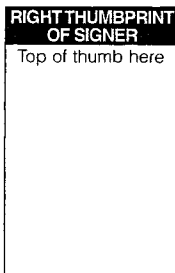
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

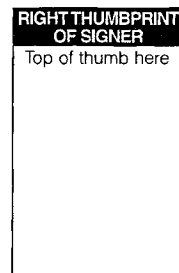
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

## Iran Contracting Act

(Public Contract Code sections 2200-2208)

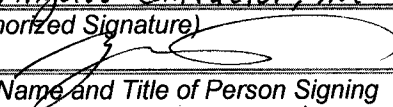
In accordance with Public Contract Code Section 2204(a), prior to bidding on, submitting a proposal or executing a contract or renewal for a County of Riverside contract for goods or services of \$1,000,000 or more, a Contractor must either:

- a) Certify it is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or
- b) Demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code section 2203(c) or (d).

To comply with this requirement, please insert your Contractor or financial institution name and Federal ID Number (if available) and complete one of the options below. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

### **Option #1 – Certification**

I, the official named below, certify I am duly authorized to execute this certification on behalf of the Contractor/financial institution identified below, and the Contractor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

Contractor Name/Financial Institution (Printed) <i>Angeles Contractor, INC.</i>		Federal ID Number (or n/a) <i>20 -1181147</i>
By (Authorized Signature) 		
Printed Name and Title of Person Signing <i>YOUNG KANG, President</i>		
Date Executed <i>10/17/14</i>	Executed in <i>Buena Park, CA</i>	

### **Option #2 – Exemption**

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a Contractor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services. If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

Contractor Name/Financial Institution (Printed)		Federal ID Number (or n/a)
By (Authorized Signature)		
Printed Name and Title of Person Signing		
Date Executed	Executed in	



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

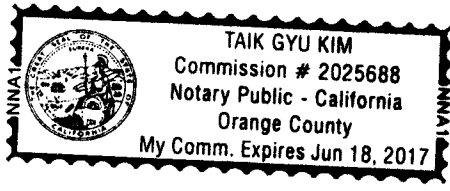
State of California

County of Orange

On 10/17/2014 before me, Taik Gyu Kim, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Young Kang  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person ~~(s)~~ whose name ~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity ~~(ies)~~, and that by his/~~her/their~~ signature ~~(s)~~ on the instrument the person ~~(s)~~, or the entity upon behalf of which the person ~~(s)~~ acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]  
Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

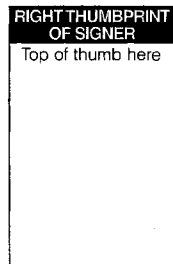
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

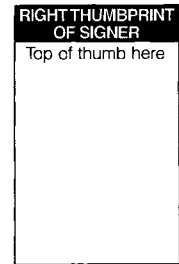


Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

\_\_\_\_\_



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/15/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Millennium Corporate Solutions License # 0C13480 550 N Brand Blvd #1100 Glendale, CA 91203	<b>CONTACT NAME:</b> Megan Brandt		
	<b>PHONE (A/C No. Ext):</b> 818-844-4118	<b>FAX (A/C, No):</b> 949-679-7240	
<b>E-MAIL ADDRESS:</b> mbrandt@mcsins.com			
<b>INSURED</b> Angeles Contractor Inc 8461 Commonwealth Ave Buena Park, CA 90621	<b>INSURER(S) AFFORDING COVERAGE</b>		
	<b>INSURER A:</b> Valley Forge Insurance Company	<b>NAIC #</b> 20508	
	<b>INSURER B:</b> American Cas. Co of Reading PA	<b>NAIC #</b> 20427	
	<b>INSURER C:</b> State Compensation Ins Fund	<b>NAIC #</b> 35076	
	<b>INSURER D:</b>		
	<b>INSURER E:</b>		
<b>INSURER F:</b>			

**COVERAGES**

CERTIFICATE NUMBER: 14-15 GL AU XS WC

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<b>GENERAL LIABILITY</b>			4033039664	09/01/14	09/01/15	EACH OCCURRENCE \$ 1,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	X	Y				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 5,000	
	<input checked="" type="checkbox"/> \$1,000 Deductible						PERSONAL & ADV INJURY \$ 1,000,000	
GEN'L AGGREGATE LIMIT APPLIES PER:	GENERAL AGGREGATE \$ 2,000,000							
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC						PRODUCTS - COMP/OP AGG \$ 2,000,000	
							\$	
B	<b>AUTOMOBILE LIABILITY</b>			5095610531	09/01/14	09/01/15	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000	
	<input checked="" type="checkbox"/> ANY AUTO	X	Y				BODILY INJURY (Per person) \$	
	<input type="checkbox"/> ALL OWNED AUTOS						<input type="checkbox"/> SCHEDULED AUTOS	BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS						<input checked="" type="checkbox"/> NON-OWNED AUTOS	PROPERTY DAMAGE (Per accident) \$
<input checked="" type="checkbox"/> Comp ded \$1000	<input checked="" type="checkbox"/> Coll ded \$1000			\$				
							\$	
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b>			5095610562	09/01/14	09/01/15	EACH OCCURRENCE \$ 5,000,000	
	<input type="checkbox"/> <b>EXCESS LIAB</b>						<input type="checkbox"/> CLAIMS-MADE	AGGREGATE \$ 5,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
				Excess over GL AL EL			\$	
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>		Y	1962621-2014	09/01/14	09/01/15	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		N/A				E.L. EACH ACCIDENT \$ 1,000,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000	
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Re: Riverside Public Defender/Probation Project Work Order #EZIQC-ACI-FM08240003992

The County of Riverside, its agencies, districts, special districts and departments, and their respective directors, officers, elected or appointed officials, agents, employees and representatives, and the members of the Board of Supervisors; where required by written contract; are named as additional insured for General Liability with primary wording per form G140331D; additional insured for Auto Liability with waiver per form CNA63359XX; and General Liability and Workers Compensation waivers per forms G18652J & 2572 attached.

**CERTIFICATE HOLDER****CANCELLATION**

The County of Riverside  
 4075 Main St  
 Riverside, CA 92501

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

William Syrkin/BRANDT



**BLANKET ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS -  
WITH PRODUCTS-COMPLETED OPERATIONS COVERAGE**

It is understood and agreed that this endorsement amends the **COMMERCIAL GENERAL LIABILITY COVERAGE PART** as follows:

**SCHEDULE (OPTIONAL)**

Name of Additional Insured Persons Or Organizations
(As required by "written contract" per Paragraph A. below.)

Locations of Covered Operations
(As per the "written contract," provided the location is within the "coverage territory" of this Coverage Part.)

**A. Section II - Who Is An Insured** is amended to include as an additional insured:

1. Any person or organization whom you are required by "written contract" to add as an additional insured on this Coverage Part; and
2. The particular person or organization, if any, scheduled above.

**B. The insurance provided to the additional insured is limited as follows:**

1. The person or organization is an additional insured only with respect to liability for "bodily injury," "property damage," or "personal and advertising injury" caused in whole or in part by:
  - a. Your acts or omissions, or the acts or omissions of those acting on your behalf, in the performance of your ongoing operations specified in the "written contract"; or
  - b. "Your work" that is specified in the "written contract" but only for "bodily injury" or "property damage" included in the "products-completed operations hazard," and only if:
    - (1) The "written contract" requires you to provide the additional insured such coverage; and
    - (2) This Coverage Part provides such coverage.
2. If the "written contract" specifically requires you to provide additional insurance coverage via the 10/01 edition of CG2010 (aka CG 20 10 10 01), or via the 10/01 edition of CG2037 (aka CG 20 37 10 01), or via the 11/85 edition of CG2010 (aka CG 20 10 11 85), then in paragraph **B.1.** above, the words 'caused in whole or in part by' are replaced by the words 'arising out of'.
3. We will not provide the additional insured any broader coverage or any higher limit of insurance than:
  - a. The maximum permitted by law;
  - b. That required by the "written contract";
  - c. That described in **B.1.** above; or
  - d. That afforded to you under this policy, whichever is less.
4. Notwithstanding anything to the contrary in **Condition 4. Other Insurance (Section IV)**, this insurance is excess of all other insurance available to the additional insured whether on a primary, excess, contingent or



any other basis. But if required by the "written contract" to be primary and non-contributory, this insurance will be primary and non-contributory relative to insurance on which the additional insured is a Named Insured.

5. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," or "personal and advertising injury" arising out of:
  - a. The rendering of, or the failure to render, any professional architectural, engineering, or surveying services, including:
    - (1) The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
    - (2) Supervisory, inspection, architectural or engineering activities; or
  - b. Any premises or work for which the additional insured is specifically listed as an additional insured on another endorsement attached to this Coverage Part.

**C. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended as follows:

1. The **Duties In The Event of Occurrence, Offense, Claim or Suit** condition is amended to add the following additional conditions applicable to the additional insured:

An additional insured under this endorsement will as soon as practicable:

- (1) Give us written notice of an "occurrence" or an offense which may result in a claim or "suit" under this insurance, and of any claim or "suit" that does result;
- (2) Except as provided in Paragraph **B.4.** of this endorsement, agree to make available any other insurance the additional insured has for a loss we cover under this Coverage Part;
- (3) Send us copies of all legal papers received, and otherwise cooperate with us in the investigation, defense, or settlement of the claim or "suit"; and
- (4) Tender the defense and indemnity of any claim or "suit" to any other insurer or self insurer whose policy or program applies to a loss we cover under this Coverage Part. But if the "written contract" requires this insurance to be primary and non-contributory, this provision (4) does not apply to insurance on which the additional insured is a Named Insured.

We have no duty to defend or indemnify an additional insured under this endorsement until we receive from the additional insured written notice of a claim or "suit."

- D. Only for the purpose of the insurance provided by this endorsement, **SECTION V – DEFINITIONS** is amended to add the following definition:

"Written contract" means a written contract or written agreement that requires you to make a person or organization an additional insured on this Coverage Part, provided the contract or agreement:

1. Is currently in effect or becomes effective during the term of this policy; and
2. Was executed prior to:
  - a. The "bodily injury" or "property damage"; or
  - b. The offense that caused the "personal and advertising injury,"for which the additional insured seeks coverage under this Coverage Part.

All other terms and conditions of the Policy remain unchanged.

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**CONTRACTORS' GENERAL LIABILITY EXTENSION ENDORSEMENT**

It is understood and agreed that this endorsement amends the **COMMERCIAL GENERAL LIABILITY COVERAGE PART** as follows. The changes this endorsement makes do not apply with respect to any coverage that has been excluded or amended by another endorsement attached to this policy.

**SCHEDULE**

Coverage is summarized below. For particulars and limitations affecting each coverage, please refer to the corresponding policy provisions in the body of this endorsement.

<b>1. Additional Insureds</b> Seven additional insured extensions.
<b>2. Bodily Injury – Expanded Definition</b>
<b>3. Broad Knowledge of Occurrence/ Notice of Occurrence</b>
<b>4. Broad Named Insured</b>
<b>5. Broadened Liability Coverage For Damage To "Your Product" And "Your Work"</b> Limit: \$100,000.
<b>6. Contractual Liability – Railroads</b> Expanded definition of "insured contract."
<b>7. Contractual Liability For Personal And Advertising Injury</b>
<b>8. Electronic Data Liability</b> Loss of Electronic Data Limit: \$100,000.
<b>9. Expanded Personal And Advertising Injury - Discrimination Or Humiliation</b>
<b>10. Expected Or Intended Injury</b> Reasonable force – "bodily injury" or "property damage."
<b>11. General Aggregate Limits Of Insurance - Per Project</b>
<b>12. In Rem Actions</b>
<b>13. Incidental Health Care Malpractice Coverage</b>
<b>14. Joint Ventures/Partnership/Limited Liability Companies</b> Coverage for your interest in such terminated or ended organizations.
<b>15. Legal Liability/Alienated Premises/Borrowed Equipment Coverage</b> Extended perils. Default limit increased to \$500,000 for Damage to Premises Rented To You. \$25,000 limit for "property damage" to borrowed tools or equipment at a jobsite.
<b>16. Liberalization Clause</b>
<b>17. Liquor Liability Coverage Extension</b>
<b>18. Medical Payments</b> Limits increased to \$15,000. Reporting increased to three years from the date of accident.
<b>19. Non-owned Aircraft Coverage</b>
<b>20. Non-owned Watercraft</b> Increased to 75 feet.
<b>21. Primary And Non-Contributory To Other Insurance</b>
<b>22. Property Damage - Elevators</b>
<b>23. Supplementary Payments</b> Cost of bail bonds increased to \$5,000. Daily loss of earnings increased to \$1,000.
<b>24. Unintentional Failure To Disclose Hazards</b>
<b>25. Waiver of Subrogation - Blanket</b> Waiver of subrogation where required by written contract or written agreement.
<b>26. Wrap-Up Extension</b>

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**25. WAIVER OF SUBGROGATION - BLANKET**

Under SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, The Transfer Of Rights Of Recovery Against Others To Us Condition is amended by the addition of the following:

We waive any right of recovery we may have against any person or organization because of payments we make for injury or damage arising out of:

1. Your ongoing operations; or
2. "Your work" included in the "products completed operations hazard."

However, this waiver applies only when you have agreed in writing to waive such rights of recovery in a contract or agreement, and only if the contract or agreement:

1. Is in effect or becomes effective during the term of this policy; and
2. Was executed prior to loss.

or during such operations of anyone acting on your behalf; nor

2. "Bodily injury" or "property damage" included within the "products-completed operations hazard" that arises out of those portions of the project that are not "residential structures."

**B. SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS is amended to add the following subparagraph 4.b.(1)(c) to Condition 4. Other Insurance:**

[This insurance is excess over:]

- (c) Any of the other insurance whether primary, excess, contingent or any other basis that is insurance available to you as a result of your being a participant in a "consolidated (wrap-up) insurance program," but only as respects your involvement in that "consolidated (wrap-up) insurance program."

**C. SECTION V – DEFINITIONS is amended to add the following definition:**

"Consolidated (wrap-up) insurance program" means a construction, erection or demolition project for which the prime contractor/project manager or owner of the construction project has secured general liability insurance covering some or all of the contractors or subcontractors involved in the project, such as an Owner Controlled Insurance Program (O.C.I.P.) or Contractor Controlled Insurance Program (C.C.I.P.).

"Residential structure" means any structure where 30% or more of the square foot area is used or is intended to be used for human residency including but not limited to single or multifamily housing, apartments, condominiums, townhouses, co-operatives or planned unit developments and also includes their common areas and/or appurtenant structures (including pools, hot tubs, detached garages, guest houses or any similar structures). When there is no individual ownership of units, residential structure does not include military housing, college/university housing or dormitories, long term care facilities, hotels, or motels. Residential structure also does not include hospitals or prisons.

This provision 26. does not apply to any person or organization who otherwise qualifies as an additional insured on this Coverage Part.

**26. WRAP-UP EXTENSION: OWNER CONTROLLED INSURANCE PROGRAM, CONTRACTOR CONTROLLED INSURANCE PROGRAM OR CONSOLIDATED (WRAP-UP) INSURANCE PROGRAMS**

**Note:** The following provision does not apply to any public construction project in the state of Oklahoma, nor to any construction project in the state of Alaska, that is not permitted to be insured under a "consolidated (wrap-up) insurance program" by applicable state statute or regulation:

If the endorsement EXCLUSION – CONSTRUCTION WRAP-UP or another exclusionary endorsement pertaining to Owner Controlled Insurance Programs (O.C.I.P.) or Contractor Controlled Insurance Programs (C.C.I.P.) is attached to this policy, then the following changes apply:

- A. The following wording is added to the endorsement:

With respect to a "consolidated (wrap-up) insurance program" project in which you are or were involved, this exclusion does not apply to those sums you become legally obligated to pay as damages because of:

1. "Bodily injury," "property damage," or "personal or advertising injury" that occurs during your ongoing operations at the project,

All other terms and conditions of the Policy remain unchanged.

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**CONTRACTORS EXTENDED COVERAGE ENDORSEMENT  
- BUSINESS AUTO PLUS -**

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM**

**I. LIABILITY COVERAGE**

**A. Who Is An Insured**

The following is added to **Section II, Paragraph A.1., Who Is An Insured:**

- 1. a. Any incorporated entity of which the Named Insured owns a majority of the voting stock on the date of inception of this Coverage Form; provided that,
- b. The insurance afforded by this provision A.1. does not apply to any such entity that is an "insured" under any other liability "policy" providing "auto" coverage.
- 2. Any organization you newly acquire or form, other than a limited liability company, partnership or joint venture, and over which you maintain majority ownership interest.

The insurance afforded by this provision **A.2.:**

- a. Is effective on the acquisition or formation date, and is afforded only until the end of the policy period of this Coverage Form, or the next anniversary of its inception date, whichever is earlier.
- b. Does not apply to:
  - (1) "Bodily injury" or "property damage" caused by an "accident" that occurred before you acquired or formed the organization; or
  - (2) Any such organization that is an "insured" under any other liability "policy" providing "auto" coverage.
- 3. Any person or organization that you are required by a written contract to name as an additional insured is an "insured" but only with respect to their legal liability for acts or omissions of a person, who qualifies as an "insured" under Section II – Who Is An Insured and for whom Liability Coverage is afforded under this policy. If required by written contract, this insurance will be primary and non-contributory to insurance on which the additional insured is a Named Insured.
- 4. An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in that "employee's"

name, with your permission, while performing duties related to the conduct of your business.

"Policy," as used in this provision **A. Who Is An Insured**, includes those policies that were in force on the inception date of this Coverage Form but:

- 1. Which are no longer in force; or
- 2. Whose limits have been exhausted.

**B. Bail Bonds and Loss of Earnings**

**Section II, Paragraphs A.2. (2) and A.2. (4)** are revised as follows:

- 1. In **a.(2)**, the limit for the cost of bail bonds is changed from \$2,000 to \$5,000; and
- 2. In **a.(4)**, the limit for the loss of earnings is changed from \$250 to \$500 a day.

**C. Fellow Employee**

**Section II, Paragraph B.5** does not apply.

Such coverage as is afforded by this provision **C.** is excess over any other collectible insurance.

**II. PHYSICAL DAMAGE COVERAGE**

**A. Glass Breakage – Hitting A Bird Or Animal – Falling Objects Or Missiles**

The following is added to **Section III, Paragraph A.3.:**

With respect to any covered "auto," any deductible shown in the Declarations will not apply to glass breakage if such glass is repaired, in a manner acceptable to us, rather than replaced.

**B. Transportation Expenses**

**Section III, Paragraph A.4.a.** is revised, with respect to transportation expense incurred by you, to provide:

- a. \$60 per day, in lieu of \$20; subject to
- b. \$1,800 maximum, in lieu of \$600.

**C. Loss of Use Expenses**

**Section III, Paragraph A.4.b.** is revised, with respect to loss of use expenses incurred by you, to provide:

- a. \$1,000 maximum, in lieu of \$600.

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**D. Hired "Autos"**

The following is added to **Section III, Paragraph A.**:

**5. Hired "Autos"**

If Physical Damage coverage is provided under this policy, and such coverage does not extend to Hired Autos, then Physical Damage coverage is extended to:

- a. Any covered "auto" you lease, hire, rent or borrow without a driver; and
- b. Any covered "auto" hired or rented by your "employee" without a driver, under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business.
- c. The most we will pay for any one "accident" or "loss" is the actual cash value, cost of repair, cost of replacement or \$75,000, whichever is less, minus a \$500 deductible for each covered auto. No deductible applies to "loss" caused by fire or lightning.
- d. The physical damage coverage as is provided by this provision is equal to the physical damage coverage(s) provided on your owned "autos."
- e. Such physical damage coverage for hired "autos" will:
  - (1) Include loss of use, provided it is the consequence of an "accident" for which the Named Insured is legally liable, and as a result of which a monetary loss is sustained by the leasing or rental concern.
  - (2) Such coverage as is provided by this provision will be subject to a limit of \$750 per "accident."

**E. Airbag Coverage**

The following is added to **Section III, Paragraph B.3.**:

The accidental discharge of an airbag shall not be considered mechanical breakdown.

**F. Electronic Equipment**

**Section III, Paragraphs B.4.c and B.4.d.** are deleted and replaced by the following:

- c. Physical Damage Coverage on a covered "auto" also applies to "loss" to any permanently installed electronic equipment including its antennas and other accessories.

- d. A \$100 per occurrence deductible applies to the coverage provided by this provision.

**G. Diminution In Value**

The following is added to **Section III, Paragraph B.6.**:

Subject to the following, the "diminution in value" exclusion does not apply to:

- a. Any covered "auto" of the private passenger type you lease, hire, rent or borrow, without a driver for a period of 30 days or less, while performing duties related to the conduct of your business; and
- b. Any covered "auto" of the private passenger type hired or rented by your "employee" without a driver for a period of 30 days or less, under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business.
- c. Such coverage as is provided by this provision is limited to a "diminution in value" loss arising directly out of accidental damage and not as a result of the failure to make repairs; faulty or incomplete maintenance or repairs; or the installation of substandard parts.
- d. The most we will pay for "loss" to a covered "auto" in any one accident is the lesser of:
  - (1) \$5,000; or
  - (2) 20% of the "auto's" actual cash value (ACV).

**III. Drive Other Car Coverage – Executive Officers**

The following is added to **Sections II and III**:

1. Any "auto" you don't own, hire or borrow is a covered "auto" for Liability Coverage while being used by, and for Physical Damage Coverage while in the care, custody or control of, any of your "executive officers," except:
  - a. An "auto" owned by that "executive officer" or a member of that person's household; or
  - b. An "auto" used by that "executive officer" while working in a business of selling, servicing, repairing or parking "autos."

Such Liability and/or Physical Damage Coverage as is afforded by this provision.

- (1) Equal to the greatest of those coverages afforded any covered "auto"; and



(2) Excess over any other collectible insurance.

2. For purposes of this provision, "executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any other similar governing document, and, while a resident of the same household, includes that person's spouse.

Such "executive officers" are "insureds" while using a covered "auto" described in this provision.

**IV. BUSINESS AUTO CONDITIONS**

**A. Duties In The Event Of Accident, Claim, Suit Or Loss**

The following is added to **Section IV, Paragraph A.2.a.**:

(4) Your "employees" may know of an "accident" or "loss." This will not mean that you have such knowledge, unless such "accident" or "loss" is known to you or if you are not an individual, to any of your executive officers or partners or your insurance manager.

The following is added to **Section IV, Paragraph A.2.b.**:

(6) Your "employees" may know of documents received concerning a claim or "suit." This will not mean that you have such knowledge, unless receipt of such documents is known to you or if you are not an individual, to any of your executive officers or partners or your insurance manager.

**B. Transfer Of Rights Of Recovery Against Others To Us**

The following is added to **Section IV, Paragraph A.5. Transfer Of Rights Of Recovery Against Others To Us:**

We waive any right of recovery we may have, because of payments we make for injury or

damage, against any person or organization for whom or which you are required by written contract or agreement to obtain this waiver from us.

This injury or damage must arise out of your activities under a contract with that person or organization.

You must agree to that requirement prior to an "accident" or "loss."

**C. Concealment, Misrepresentation or Fraud**

The following is added to **Section IV, Paragraph B.2.**:

Your failure to disclose all hazards existing on the date of inception of this Coverage Form shall not prejudice you with respect to the coverage afforded provided such failure or omission is not intentional.

**D. Other Insurance**

The following is added to **Section IV, Paragraph B.5.**:

Regardless of the provisions of Paragraphs 5.a. and 5.d. above, the coverage provided by this policy shall be on a primary non-contributory basis. This provision is applicable only when required by a written contract. That written contract must have been entered into prior to "Accident" or "Loss."

**E. Policy Period, Coverage Territory**

**Section IV, Paragraph B. 7.(5).(a).** is revised to provide:

a. 45 days of coverage in lieu of 30 days.

**V. DEFINITIONS**

**Section V. Paragraph C.** is deleted and replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by a person, including mental anguish, mental injury or death resulting from any of these.

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ENDORSEMENT AGREEMENT



WAIVER OF SUBROGATION  
BLANKET BASIS

REP 05  
1962621-2014  
NEW  
SP  
5-44-06-12  
PAGE 1 OF 1

HOME OFFICE  
SAN FRANCISCO

EFFECTIVE SEPTEMBER 1, 2014 AT 12.01 A.M.

ALL EFFECTIVE DATES AND EXPIRING SEPTEMBER 1, 2015 AT 12.01 A.M.  
AT 12:01 AM PACIFIC  
STANDARD TIME OR THE  
TIME INDICATED AT  
PACIFIC STANDARD TIME

ANGELES CONTRACTOR INC.  
8461 COMMONWEALTH AVE  
BUENA PARK, CA 90621

WE HAVE THE RIGHT TO RECOVER OUR PAYMENTS FROM ANYONE  
LIABLE FOR AN INJURY COVERED BY THIS POLICY. WE WILL  
NOT ENFORCE OUR RIGHT AGAINST THE PERSON OR  
ORGANIZATION NAMED IN THE SCHEDULE.

THIS AGREEMENT APPLIES ONLY TO THE EXTENT THAT YOU  
PERFORM WORK UNDER A WRITTEN CONTRACT THAT REQUIRES YOU  
TO OBTAIN THIS AGREEMENT FROM US.

THE ADDITIONAL PREMIUM FOR THIS ENDORSEMENT SHALL BE  
2.00% OF THE TOTAL POLICY PREMIUM.

SCHEDULE

<u>PERSON OR ORGANIZATION</u>	<u>JOB DESCRIPTION</u>
ANY PERSON OR ORGANIZATION FOR WHOM THE NAMED INSURED HAS AGREED BY WRITTEN CONTRACT TO FURNISH THIS WAIVER	BLANKET WAIVER OF SUBROGATION

NOTHING IN THIS ENDORSEMENT CONTAINED SHALL BE HELD TO VARY, ALTER, WAIVE  
OR EXTEND ANY OF THE TERMS, CONDITIONS, AGREEMENTS, OR LIMITATIONS OF THIS  
POLICY OTHER THAN AS STATED. NOTHING ELSEWHERE IN THIS POLICY SHALL BE  
HELD TO VARY, ALTER, WAIVE OR LIMIT THE TERMS, CONDITIONS, AGREEMENTS OR  
LIMITATIONS OF THIS ENDORSEMENT.

COUNTERSIGNED AND ISSUED AT SAN FRANCISCO:

AUGUST 25, 2014

AUTHORIZED REPRESENTATIVE

PRESIDENT AND CEO

**CONTRACTOR'S CERTIFICATE REGARDING WORKERS'**  
**COMPENSATION**

Labor Code Section 3700 states:

"Every employer except the state shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employee.

(c) For any county, city, city and county, municipal corporation, public district, public agency, or any political subdivision of the state, including each member of a pooling arrangement under a joint exercise of powers agreement (but not the state itself), by securing from the Director of Industrial Relations a certificate of consent to self-insure against workers' compensation claims, which certificate may be given upon furnishing proof satisfactory to the director of ability to administer workers' compensation claims properly, and to pay workers' compensation claims that may become due to its employees. On or before March 31, 1979, a political subdivision of the state which, on December 31, 1978, was uninsured for its liability to pay compensation, shall file a properly completed and executed application for a certificate of consent to self-insure against workers' compensation claims. The certificate shall be issued and be subject to the provisions of Section 3702.

For purposes of this section, 'state' shall include the superior courts of California."

I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Angeles Contractor, Inc.

\_\_\_\_\_  
(Name of Contractor)

President / Secretary

\_\_\_\_\_  
By:

Young Kang

\_\_\_\_\_  
(Name of Signer)

\_\_\_\_\_  
(Signature)

(In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract.)

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Orange

On 10/16/2014 before me, Taik Gyu Kim, Notary Public  
Date Here Insert Name and Title of the Officer

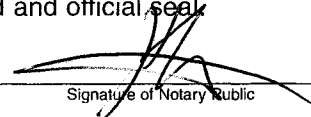
personally appeared Young Kang  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

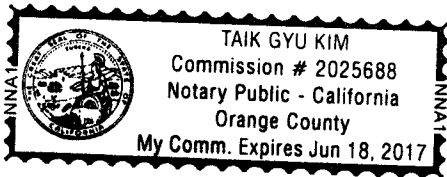
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature \_\_\_\_\_



Signature of Notary Public



Place Notary Seal Above

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

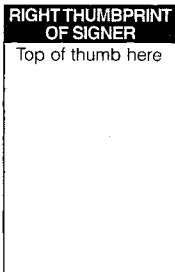
Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

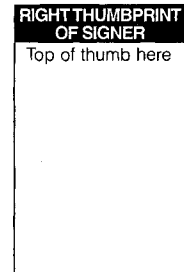
Signer Is Representing: \_\_\_\_\_



Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_



**SUPPLEMENTAL GENERAL CONDITIONS OF**  
**THE STANDARD FORM NJPA IQC-WORK ORDER CONTRACT (EZIQC)**  
**BETWEEN COUNTY AND CONTRACTOR**

(LONG FORM)

**TABLE OF CONTENTS**

ARTICLE 1 GENERAL PROVISIONS .....	1
1.1    DEFINITIONS-GENERAL .....	1
1.1.1    Acceptance .....	1
1.1.2    Act of God .....	1
1.1.3    Addendum .....	1
1.1.4    Adjustment Factor .....	1
1.1.5    Admitted Surety .....	1
1.1.6    Applicable Laws .....	1
1.1.7    Application for Payment .....	1
1.1.8    Architect .....	1
1.1.9    Assistant CEO/EDA .....	1
1.1.10    Award .....	2
1.1.11    Bid .....	2
1.1.12    Bid Amount .....	2
1.1.13    Bid Bond .....	2
1.1.14    Bid Closing Deadline .....	2
1.1.15    Bid Form .....	2
1.1.16    Bid Security .....	2
1.1.17    Bid Submittal .....	2
1.1.18    Bidder .....	2
1.1.19    Bidding Documents .....	2
1.1.20    Board of Supervisors .....	3
1.1.21    Change .....	3
1.1.22    Change Order Request .....	3
1.1.23    Claim .....	3
1.1.24    Close-Out Documents .....	3
1.1.25    Compensable Change .....	3
1.1.26    Compensable Delay .....	4
1.1.27    Construction Change Directive .....	4
1.1.28    Work Order Construction Schedule .....	4
1.1.29    Construction Task Catalog (CTC) .....	4
1.1.30    Contract Adjustment .....	4
1.1.31    Contract Documents .....	4
1.1.32    Contract Price .....	5
1.1.33    Contract Time .....	5
1.1.34    Contractor Amount .....	5
1.1.35    Contractor's Own Expense .....	6
1.1.36    County .....	6
1.1.37    County Amount .....	6

1.1.38	County Consultant.....	6
1.1.39	County Review Date.....	6
1.1.40	County Review Period.....	6
1.1.41	County Risk Manager.....	6
1.1.42	County Website.....	6
1.1.43	Date of Commencement.....	6
1.1.44	Day.....	6
1.1.45	Declaration of Sufficiency of Funds.....	6
1.1.46	Defective Work.....	6
1.1.47	Delay.....	6
1.1.48	Deleted Work.....	6
1.1.49	Department of Industrial Relations.....	6
1.1.50	Design Discrepancy.....	7
1.1.51	Design Documents.....	7
1.1.52	Design Intent.....	7
1.1.53	Designation of Subcontractors.....	7
1.1.54	Differing Site Condition.....	7
1.1.55	Disability Laws.....	7
1.1.56	Discovery Date.....	7
1.1.57	Drawings.....	7
1.1.58	EDA.....	7
1.1.59	Environmental Laws.....	7
1.1.60	Escrow Agent.....	8
1.1.61	Escrow Bid Documents.....	8
1.1.62	Event of Contractor Default.....	8
1.1.63	Evidence of Insurance.....	8
1.1.64	Excusable Delay.....	8
1.1.65	Existing Improvements.....	8
1.1.66	Extra Work.....	8
1.1.67	Final Completion, Finally Complete.....	8
1.1.68	Final Completion Punch List.....	9
1.1.69	Final Payment.....	9
1.1.70	Force Majeure Event.....	9
1.1.71	Fragnet.....	9
1.1.72	General Conditions.....	9
1.1.73	General Requirements.....	9
1.1.74	Good Faith Determination.....	9
1.1.75	Governmental Authority.....	10
1.1.76	Governmental Authority Review Period.....	10
1.1.77	Guarantee To Repair Period.....	10
1.1.78	Hazardous Substance.....	10
1.1.79	Holiday.....	10
1.1.80	Indemnitees.....	10
1.1.81	Inspector of Record.....	10
1.1.82	Installation Subcontractor.....	10
1.1.83	Instructions to Bidders.....	10
1.1.84	Intellectual Property Rights.....	10
1.1.85	Work Order.....	10
1.1.86	Work Order Amount.....	11
1.1.87	NJPA Indefinite Quantity Construction Agreement.....	11
1.1.88	Work Order Proposal.....	11
1.1.89	Work Order Time.....	11
1.1.90	Key Personnel, Key Persons.....	11

1.1.91	Loss, Losses.....	11
1.1.92	Maximum Contract Amount.....	11
1.1.93	Minimum Contract Amount.....	11
1.1.94	Modification.....	11
1.1.95	Mold.....	11
1.1.96	Non-Collusion Declaration.....	12
1.1.97	Non-prepriced tasks.....	12
1.1.98	Notice Inviting Bids.....	12
1.1.99	Notice of Change.....	12
1.1.100	Notice of Completion.....	12
1.1.101	Notice of Completion of a Work Order.....	12
1.1.102	Notice of Delay.....	12
1.1.103	Notice of Final Completion.....	12
1.1.104	Notice of Intent to Award.....	12
1.1.105	Notice of Substantial Completion.....	12
1.1.106	Payment Bond, Performance Bond.....	12
1.1.107	Plans.....	12
1.1.108	Post-Award Submittals.....	12
1.1.109	Pre-Bid Conference.....	12
1.1.110	Product Data.....	13
1.1.111	Progress Payment.....	13
1.1.112	Project.....	13
1.1.113	Project Documents.....	13
1.1.114	Project Team.....	13
1.1.115	Reasonable Order of Magnitude Estimate.....	13
1.1.116	Record Documents.....	13
1.1.117	Record Drawings, Record Specifications.....	13
1.1.118	Reference Documents.....	13
1.1.119	Request for Extension.....	13
1.1.120	Request for Information.....	13
1.1.121	Safety Program.....	13
1.1.122	Samples.....	14
1.1.123	Schedule of Values.....	14
1.1.124	Self-Performed Work.....	14
1.1.125	Separate Contractor.....	14
1.1.126	Shop Drawing.....	14
1.1.127	Site.....	14
1.1.128	Specifications.....	14
1.1.129	Standard of Performance.....	14
1.1.130	State Water Resources Control Board.....	14
1.1.131	Storm Water Permit.....	14
1.1.132	Sub-Bidder.....	14
1.1.133	Subcontractor.....	14
1.1.134	Submittal.....	14
1.1.135	Submittal Schedule.....	14
1.1.136	Substantial Completion, Substantially Complete.....	15
1.1.137	Substantial Completion Punch List.....	15
1.1.138	Substitution.....	15
1.1.139	Substitution Request Form.....	15
1.1.140	Supplementary Conditions.....	15
1.1.141	Supplemental Work Order.....	15
1.1.142	Surety.....	15
1.1.143	Technical Specifications.....	15

- 1.1.144 Tier ..... 15
- 1.1.145 Time Impact Analysis ..... 16
- 1.1.146 Unexcused Delay ..... 16
- 1.1.147 Unilateral Change Order ..... 16
- 1.1.148 Unilateral Work Order ..... 16
- 1.1.149 Unit Price ..... 16
- 1.1.150 Work ..... 16
- 1.1.151 Work Hours ..... 16
- 1.1.152 Worker's Compensation Certificate ..... 16

**1.2 CORRELATION, INTERPRETATION AND INTENT OF CONTRACT DOCUMENTS .... 16**

- 1.2.1 Design Intent ..... 16
- 1.2.2 Complementary ..... 17
- 1.2.3 Technical Words ..... 17
- 1.2.4 Trade Names ..... 17
- 1.2.5 Incidental Items ..... 17
- 1.2.6 Drawing Dimensions ..... 17
- 1.2.7 Drawings, Specifications ..... 17
- 1.2.8 Typical Work ..... 17
- 1.2.9 Divisions of the Work ..... 17
- 1.2.10 Applicable Laws ..... 17
- 1.2.11 Interpretations of Laws ..... 17
- 1.2.12 Modifiers ..... 17
- 1.2.13 Singular, Gender, Captions ..... 18
- 1.2.14 Cross-References ..... 18
- 1.2.15 Diagrammatic Design ..... 18
- 1.2.16 Demolition ..... 18
- 1.2.17 Omissions ..... 18
- 1.2.18 Conflicts ..... 18
- 1.2.19 Order of Precedence ..... 18
- 1.2.20 Conditions Precedent ..... 19

**1.3 OWNERSHIP AND USE OF DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS ..... 19**

- 1.3.1 Property of County ..... 19
- 1.3.2 Assignment of Rights ..... 19
- 1.3.3 Contractor's Warranty ..... 19
- 1.3.4 Non-Exclusive License ..... 19
- 1.3.5 Reproduction ..... 20
- 1.3.6 Delivery to County ..... 20
- 1.3.7 Subcontractors ..... 20

**ARTICLE 2 COUNTY RIGHTS AND OBLIGATIONS ..... 20**

**2.1 INFORMATION, APPROVALS AND SERVICES REQUIRED OF COUNTY ..... 20**

- 2.1.1 Legal Descriptions ..... 20
- 2.1.2 Permits and Fees ..... 20
- 2.1.3 County Approvals ..... 20
- 2.1.4 Approvals ..... 21
- 2.1.5 Non-Specified Items ..... 21

**2.2 COUNTY'S RIGHT TO STOP THE WORK ..... 21**

**2.3 COUNTY'S RIGHT TO CARRY OUT THE WORK ..... 21**



	<u>Page</u>
2.4 ACCOUNTING, RECORDS AND AUDIT.....	21
2.4.1 Accounting System.....	21
2.4.2 Books and Records.....	21
2.4.3 Inspection and Copying.....	22
2.4.4 Confidential Information.....	22
2.4.5 Withholding of Payment.....	22
2.4.6 Specific Performance.....	22
2.5 COUNTY FURNISHED MATERIALS.....	22
2.5.1 Supply by County.....	22
2.5.2 Deleted Work.....	22
2.5.3 Delivery Deadlines.....	22
2.5.4 Delivery to Site.....	22
2.5.5 Care, Custody and Control.....	22
2.5.6 Notice of Deficiencies.....	23
2.5.7 Incorporation in Work.....	23
2.6 COUNTY INSTALLED ITEMS.....	23
2.7 COUNTY'S ADDITIONAL RIGHTS.....	23
ARTICLE 3 CONTRACTOR PERFORMANCE.....	23
3.1 CONTRACTOR STATUS.....	23
3.1.1 Independent Contractor.....	23
3.1.2 Agents, Employees.....	23
3.1.3 Licenses.....	23
3.1.4 Subcontractors.....	23
3.1.5 Design Services.....	23
3.2 REVIEW OF DOCUMENTS, SITE AND EXISTING IMPROVEMENTS.....	24
3.2.1 Contractor's Duty of Review.....	24
3.2.2 Contract Adjustments.....	24
3.2.3 WAIVER BY CONTRACTOR.....	25
3.2.4 Continuing Obligation.....	26
3.2.5 Requests for Information.....	26
3.2.6 Correction of Work.....	27
3.3 SUPERVISION AND CONSTRUCTION PROCEDURES.....	27
3.3.1 General Obligation.....	27
3.3.2 Supervisory Staff.....	27
3.3.3 County Supplementary Personnel.....	27
3.3.4 Means, Methods, Procedures.....	27
3.3.5 Ordering Procedures.....	28
CONTRACTOR PERFORMED DUTIES.....	29
3.4 LABOR, MATERIALS AND EQUIPMENT.....	31
3.4.1 Costs of Work.....	31
3.4.2 Coordination.....	31
3.4.3 Field Conditions.....	31
3.4.4 Layout.....	31
3.4.5 Materials, Equipment.....	31
3.5 CONTRACTOR'S WARRANTY.....	32

	<u>Page</u>
3.5.1	General Warranty ..... 32
3.5.2	Repair, Replacement ..... 32
3.5.3	Not a Limitation ..... 33
3.5.4	Assignment ..... 33
3.5.5	Close-Out ..... 33
3.6	TAXES ..... 33
3.6.1	Payment by Contractor ..... 33
3.6.2	Tax Exempt Projects ..... 33
3.6.3	Records of Taxes ..... 33
3.7	PERMITS, FEES AND LEGAL NOTICES ..... 33
3.7.1	Permits ..... 33
3.7.2	Applicable Laws, Notices ..... 34
3.7.3	Bonds, Undertakings ..... 34
3.7.4	Notice of Violations ..... 34
3.7.5	Governmental Authority Approvals ..... 34
3.8	CONTRACTOR'S PERSONNEL ..... 34
3.8.1	Key Persons ..... 34
3.8.2	Background Check ..... 35
3.8.3	Project Manager ..... 35
3.8.4	Transfer ..... 35
3.8.5	Removal ..... 35
3.8.6	Replacement ..... 35
3.8.7	Communications ..... 35
3.8.8	Contact Information ..... 35
3.8.9	Signatures ..... 35
3.8.10	Exclusion from Site ..... 35
3.9	CONTRACTOR'S CONSTRUCTION SCHEDULE ..... 35
3.9.1	Preparation ..... 35
3.9.2	Format ..... 35
3.9.3	Detail ..... 36
3.9.4	Updates ..... 36
3.9.5	Governing Schedule ..... 36
3.9.6	Submittal Schedule ..... 36
3.9.7	Schedule Responsibility ..... 36
3.9.8	Condition of Payment ..... 37
3.9.9	Scheduling by County ..... 37
3.10	DOCUMENTS AT SITE, REPORTING, MEETINGS ..... 37
3.10.1	Documents at Site ..... 37
3.10.2	Daily Reports ..... 37
3.10.3	Progress Meetings ..... 38
3.10.4	Notice Requirements ..... 38
3.10.5	Availability for Review ..... 38
3.11	SUBMITTALS ..... 38
3.11.1	Not Contract Documents ..... 38
3.11.2	Coordination with Others ..... 39
3.11.3	Submission by Contractor ..... 39
3.11.4	Review of Submittals ..... 40

	<u>Page</u>	
3.11.5	Contract Adjustments.....	40
3.11.6	Compliance with Contract.....	40
3.12	USE OF SITE.....	40
3.12.1	Staging Area.....	40
3.12.2	Existing Improvements.....	40
3.12.3	Operations at Site.....	40
3.12.4	Coordination.....	40
3.12.5	Unauthorized Use.....	40
3.12.6	Site Security.....	40
3.12.7	Persons on Site.....	41
3.12.8	County Uses and Activities.....	41
3.12.9	Dust, Fumes, Noise.....	41
3.12.10	Confinement of Operations.....	41
3.12.11	Prohibited Substances.....	41
3.12.12	Survey Markers.....	41
3.12.13	Drainage, Erosion.....	41
3.12.14	Trenches.....	41
3.13	CUTTING AND PATCHING.....	41
3.14	UTILITIES AND SANITARY FACILITIES.....	42
3.14.1	Contractor Responsibility.....	42
3.14.2	County Responsibility.....	42
3.14.3	Temporary Utilities.....	42
3.14.4	Sanitary Facilities.....	43
3.15	CLEANING UP.....	43
3.15.1	Contractor Responsibility.....	43
3.15.2	Cleanup by County.....	43
3.16	ACCESS TO THE WORK.....	43
3.16.1	County.....	43
3.16.2	Separate Contractors.....	43
3.16.3	Delivery Routes.....	43
3.17	INTELLECTUAL PROPERTY RIGHTS.....	43
3.18	INDEMNIFICATION.....	43
3.18.1	Contractor's Indemnity Obligation.....	43
3.18.2	Indemnification of Adjacent Property Owners.....	44
3.18.3	Insurance and Employment Benefits.....	44
3.18.4	Subcontractor Indemnity Agreements.....	45
3.18.5	Implied Indemnity Rights.....	45
3.18.6	Obligation to Defend.....	45
3.18.7	Enforcement.....	45
3.19	LABOR, WAGES, PAYROLL RECORDS.....	45
3.19.1	Public Work.....	45
3.19.2	Prevailing Wage Rates.....	45
3.19.3	Unclassified Workers.....	45
3.19.4	Per Diem Wages.....	45
3.19.5	Applicable Laws.....	46
3.19.6	Posting at Site.....	46

3.19.7	Worker Hours.....	46
3.19.8	Overtime.....	46
3.19.9	Payroll Records.....	46
3.19.10	Apprentices.....	47
3.19.11	Pre-Construction Meetings, Interviews.....	48
3.19.12	Penalties for Violations.....	48
3.19.13	Subcontractor Provisions.....	49
3.19.14	Condition of Payment.....	49
3.20	LABOR CODE §2810.....	49
3.20.1	Application.....	49
3.20.2	Declaration by Contractor.....	49
3.20.3	Continuing Duty.....	49
3.21	URBAN RUNOFF AND STORM WATER COMPLIANCE.....	49
3.21.1	Contractor's Responsibility.....	49
3.21.2	Inspections, Reports.....	50
3.21.3	Violations.....	50
3.21.4	Condition of Payment.....	50
3.21.5	Costs of Compliance.....	50
3.22	SOLID WASTE MANAGEMENT.....	50
3.23	CEQA COMPLIANCE.....	50
3.24	AQMD COMPLIANCE.....	50
ARTICLE 4 CONSTRUCTION ADMINISTRATION.....		50
4.1	ARCHITECT.....	50
4.1.1	Scope of Authority.....	50
4.1.2	Limitations on Authority.....	51
4.1.3	Work Stoppage.....	51
4.1.4	Replacement.....	51
4.1.5	County Rights.....	51
4.2	ADMINISTRATION OF THE WORK ORDER CONTRACT.....	51
4.2.1	Observations of the Work.....	51
4.2.2	Means, Methods.....	51
4.2.3	Communications by Contractor.....	51
4.2.4	Review of Applications for Payment.....	51
4.2.5	Rejection of the Work.....	52
4.2.6	Review of Submittals.....	52
4.2.7	Changes.....	52
4.3	CLAIMS.....	52
4.3.1	Submission of Claims.....	52
4.3.2	Arising of Claim.....	52
4.3.3	Content of Claims.....	52
4.3.4	Noncompliance.....	54
4.3.5	Submission of Claims.....	54
4.3.6	Response to Claims by Contractor.....	54
4.3.7	Meet and Confer.....	54
4.3.8	Claims Based on Differing Site Conditions.....	54
4.3.9	Continuous Work.....	55

	<u>Page</u>
4.4	ATTORNEY'S FEES ..... 55
4.5	NOTICE OF THIRD-PARTY CLAIMS ..... 56
4.6	WAIVERS OF RIGHTS BY CONTRACTOR ..... 56
4.7	GOOD FAITH DETERMINATIONS ..... 56
4.8	ESCROW BID DOCUMENTS ..... 56
ARTICLE 5 SUBCONTRACTORS ..... 56	
5.1	SUBSTITUTION ..... 56
5.1.1	Substitutions Allowed ..... 56
5.1.2	Contractor's Own Expense ..... 57
5.1.3	Substantiation of Compliance ..... 57
5.1.4	Splitting Prohibited ..... 57
5.2	SUBCONTRACTUAL RELATIONS ..... 57
5.2.1	Written Agreements ..... 57
5.2.2	Copies ..... 58
5.2.3	No Brokering ..... 58
5.2.4	Third-Party Rights ..... 58
5.2.5	All Subcontractor Tiers ..... 58
5.3	CONTINGENT ASSIGNMENT OF SUBCONTRACTS ..... 58
5.3.1	Contingent Assignment ..... 58
5.3.2	Acceptance by County ..... 59
5.3.3	County Obligation ..... 59
5.4	COMMUNICATIONS BY COUNTY ..... 59
5.5	DOCUMENT AVAILABILITY ..... 59
5.6	NO LIABILITY OF COUNTY ..... 59
ARTICLE 6 COUNTY'S OWN FORCES AND SEPARATE CONTRACTORS ..... 59	
6.1	COUNTY'S RIGHT TO PERFORM CONSTRUCTION WITH OWN FORCES AND TO AWARD SEPARATE CONTRACTS ..... 59
6.1.1	Right of County ..... 59
6.1.2	Separate Contractors ..... 59
6.1.3	Coordination ..... 60
6.1.4	Disputes ..... 60
6.1.5	Remedy ..... 60
6.2	MUTUAL RESPONSIBILITY ..... 60
6.2.1	Use of Site ..... 60
6.2.2	Adjoining Work ..... 60
6.2.3	Damage ..... 60
6.2.4	Disputes ..... 60
6.2.5	Settlement of Disputes ..... 60
6.3	ALLOCATION OF CLEANUP COSTS ..... 61
ARTICLE 7 CHANGES IN THE WORK ..... 61	
7.1	CHANGES ..... 61

	<u>Page</u>	
7.1.1	General.....	61
7.1.2	Contract Adjustments.....	61
7.1.3	Work Order Adjustments.....	61
7.1.4	Exclusive Rights.....	61
7.1.5	Written Authorization.....	61
7.1.6	Prompt Performance.....	61
7.2	SIGNATURES AND AUTHORIZATIONS.....	62
7.2.1	Parties.....	62
7.2.2	Form.....	62
7.2.3	Authorization.....	62
7.3	CHANGE ORDERS.....	62
7.3.1	Purpose.....	62
7.3.2	Content.....	63
7.4	UNILATERAL SUPPLEMENTAL WORK ORDER.....	63
7.4.1	Unilateral Supplemental Work Order.....	63
7.4.2	Purpose.....	63
7.4.3	Good Faith Determination.....	63
7.4.4	Claim by Contractor.....	63
7.4.5	WAIVER BY CONTRACTOR.....	63
7.5	CONSTRUCTION CHANGE DIRECTIVES.....	64
7.5.1	Purpose.....	64
7.5.2	No Contract Adjustment.....	64
7.5.3	Agreed Contract Adjustment.....	64
7.5.4	Disputed Contract Adjustment.....	65
7.5.5	Other Notices.....	65
7.6	PROCEDURES.....	66
7.6.1	Notice of Change.....	66
7.6.2	Change Order Request.....	66
7.6.3	Formal Notice of Essence.....	67
7.7	PRICING.....	67
7.7.1	Basis of Calculation.....	67
7.7.2	Time and Materials Documentation.....	68
7.7.3	Allowable Costs.....	69
7.7.4	Costs Not Allowed.....	70
7.7.5	Allowable Markups.....	71
7.7.6	Review of Markups.....	73
7.7.7	Exclusions and Limitations.....	73
7.7.8	Net Calculations.....	73
7.7.9	Unit Prices.....	73
7.7.10	Discounts.....	74
7.7.11	Prompt Pricing.....	74
7.7.12	Final Payment.....	74
7.7.13	Full Resolution.....	74
7.7.14	Reserved Rights.....	74
7.7.15	No "Total Cost" Calculations.....	75
7.7.16	Multiple Changes.....	75
7.7.17	Continuous Performance.....	75

	<u>Page</u>
ARTICLE 8 CONTRACT TIME .....	75
8.1 COMMENCEMENT AND COMPLETION .....	75
8.1.1 Date of Commencement .....	75
8.1.2 Substantial, Final Completion .....	75
8.1.3 Adjustments to Contract Time .....	75
8.1.4 Early Completion .....	75
8.2 DELAYS AND EXTENSIONS OF TIME .....	76
8.2.1 Adjustments to Contract Time of Work Order Time .....	76
8.2.2 Notice of Delay .....	76
8.2.3 Request for Extension .....	77
8.2.4 Response by County .....	78
8.2.5 Formal Notice of Essence .....	78
8.2.6 Compensation for Delay .....	78
8.2.7 Acceleration of the Work .....	78
8.2.8 Concurrent Delays .....	79
8.2.9 Delay Claims .....	80
8.2.10 Exercise of County Rights .....	80
ARTICLE 9 PAYMENTS AND COMPLETION .....	80
9.1 PAYMENT BY COUNTY .....	80
9.1.1 Time for Payment .....	80
9.1.2 Not Acceptance .....	80
9.1.3 Interest .....	80
9.1.4 Disputed Payments .....	80
9.2 APPLICATIONS FOR PAYMENTS .....	80
9.2.1 Submission by Contractor .....	80
9.2.2 Period of Application .....	80
9.2.3 Schedule of Values .....	81
9.2.4 Changes in Work .....	81
9.2.5 Progress Payments .....	81
9.2.6 Percentage Completion .....	81
9.2.7 Projected Work .....	81
9.2.8 Disagreements .....	81
9.2.9 Substantial Completion .....	81
9.2.10 Certification by Contractor .....	81
9.2.11 Stored Materials .....	81
9.2.12 Title .....	81
9.3 SCHEDULE OF VALUES .....	82
9.3.1 Initial Submission .....	82
9.3.2 Balanced Allocation .....	82
9.3.3 Line Estimates .....	82
9.3.4 Updating .....	82
9.3.5 Substantiation .....	82
9.3.6 Corrections .....	82
9.3.7 Changes to Work .....	82
9.3.8 Applications for Payment .....	82
9.4 PROGRESS PAYMENT CONDITIONS .....	82
9.4.1 Progress Payment Amount .....	82

	<u>Page</u>
9.4.2	Other Conditions and Documentation..... 83
9.5	COUNTY APPROVAL/REJECTION OF APPLICATIONS FOR PAYMENT..... 83
9.5.1	Review by County..... 83
9.5.2	Disapproval by County..... 84
9.5.3	Re-submittal by Contractor..... 84
9.5.4	Approval Nullification..... 84
9.5.5	No Waiver by County..... 84
9.5.6	No Representation..... 84
9.6	WITHHOLDING OF PAYMENT..... 84
9.6.1	Grounds for Withholding..... 84
9.6.2	Application of Withholding..... 85
9.6.3	Final Payment..... 86
9.6.4	Release of Withholding..... 86
9.6.5	Additional Rights..... 86
9.7	PAYMENTS BY CONTRACTOR..... 86
9.7.1	Payments to Subcontractors..... 86
9.7.2	Payments in Trust..... 86
9.7.3	Payment Information..... 86
9.7.4	Joint Payment..... 86
9.7.5	Direct Negotiation of Stop Payment Notices..... 86
9.7.6	Release of Stop Payment Notices..... 86
9.7.7	No County Obligation..... 87
9.8	FAILURE OF PAYMENT..... 87
9.9	SUBSTITUTION OF SECURITIES FOR RETENTION..... 87
9.9.1	Public Contract Code..... 87
9.9.2	Substitute Security..... 88
9.9.3	Deposit of Retentions..... 88
9.10	FINAL PAYMENT..... 88
9.10.1	Payment by County..... 88
9.10.2	Application for Final Payment..... 88
9.10.3	Review by County..... 88
9.10.4	Conditions to Final Payment..... 88
9.10.5	Disputed Amounts..... 89
9.10.6	No Waiver by County..... 89
9.10.7	WAIVER BY CONTRACTOR..... 89
9.11	SUBSTANTIAL COMPLETION..... 89
9.11.1	Contract Time..... 89
9.11.2	Request for Inspection..... 89
9.11.3	Substantial Completion Inspection..... 89
9.11.4	Substantial Completion Punch List..... 89
9.11.5	Re-Inspection..... 90
9.11.6	Notice of Substantial Completion..... 90
9.12	PARTIAL OCCUPANCY OR USE..... 90
9.13	FINAL COMPLETION..... 91
9.13.1	Contract Time..... 91



	<u>Page</u>
9.13.2	Final Completion Punch List..... 91
9.13.3	Performance of Punch List..... 91
9.13.4	Request for Final Inspection..... 91
9.13.5	Notice of Final Completion..... 91
9.13.6	Notice of Completion..... 92
9.13.7	No Waiver by County..... 92
ARTICLE 10	INSPECTIONS, SAFETY AND HAZARDOUS SUBSTANCES..... 92
10.1	INSPECTIONS..... 92
10.1.1	General..... 92
10.1.2	Coordination..... 92
10.1.3	Uncovering of Work..... 92
10.1.4	Off-Hours Inspections..... 92
10.1.5	Access to the Work..... 92
10.1.6	Right to Stop Work..... 93
10.1.7	No County Duty..... 93
10.1.8	Contractor Responsibility..... 93
10.1.9	Reimbursement to County..... 93
10.2	SAFETY PRECAUTIONS AND PROGRAMS..... 93
10.2.1	General Safety Obligation..... 93
10.2.2	Contractor's Safety Program..... 93
10.2.3	Safety Orders..... 94
10.2.4	Safety Representative..... 94
10.2.5	Protection..... 94
10.2.6	Safeguards, Disabled Access..... 94
10.2.7	Fire, Explosives, Hazardous Substances..... 94
10.2.8	First Aid..... 94
10.2.9	Unsafe Conditions..... 94
10.2.10	Responsibility for Loss..... 94
10.2.11	Loading, Storage..... 95
10.2.12	Emergency..... 95
10.2.13	No County Responsibility..... 95
10.2.14	Separate Contractors..... 95
10.3	HAZARDOUS SUBSTANCES, MOLD..... 95
10.3.1	Hazardous Substances..... 95
10.3.2	Mold..... 97
10.3.3	Release of County..... 97
10.3.4	Communications with Governmental Authorities..... 97
10.3.5	Subcontractors..... 97
ARTICLE 11	INSURANCE..... 98
11.1	INSURANCE..... 98
11.1.1	Contractor's Insurance Requirements..... 98
11.1.2	Other Mandatory Insurance Requirements..... 98
ARTICLE 12	BONDS..... 100
12.1	PERFORMANCE BOND AND PAYMENT BOND..... 100
12.1.1	Performance and Payment Bonds..... 100
12.1.2	Changes..... 100
12.1.3	Replacement..... 100

	<u>Page</u>	
12.1.4	Duration.....	100
12.1.5	Condition of Payment.....	100
12.1.6	Surety Rating.....	100
12.1.7	Premiums.....	100
12.1.8	Obligee.....	100
12.1.9	No Exoneration.....	100
12.1.10	Communications.....	100
12.1.11	No Limitation.....	101
12.1.12	Subcontractor Bonds.....	101
12.1.13	Claims.....	101
<b>ARTICLE 13 UNCOVERING AND CORRECTION OF THE WORK.....</b>		<b>101</b>
13.1	UNCOVERING OF THE WORK.....	101
13.2	CORRECTION OF THE WORK.....	101
13.3	GUARANTEE TO REPAIR PERIOD.....	101
13.3.1	Guarantee To Repair Period.....	101
13.3.2	Repair by Contractor.....	101
13.3.3	Notice by County.....	102
13.3.4	Correction by County.....	102
13.3.5	Sale.....	102
13.3.6	No Limitation.....	102
13.4	ACCEPTANCE OF NONCONFORMING WORK.....	103
<b>ARTICLE 14 MISCELLANEOUS PROVISIONS.....</b>		<b>103</b>
14.1	GOVERNING LAW.....	103
14.2	TIME OF ESSENCE.....	103
14.3	SUCCESSORS AND ASSIGNS.....	103
14.4	WRITTEN NOTICE.....	103
14.4.1	Notice to County.....	103
14.4.2	Notice to Contractor.....	103
14.4.3	Notice to Claimant.....	104
14.5	RIGHTS AND REMEDIES.....	104
14.5.1	County Rights.....	104
14.5.2	Writing Required.....	104
14.5.3	Subsequent Breach.....	104
14.6	NO NUISANCE.....	104
14.7	EXTENT OF AGREEMENT.....	104
14.8	NO THIRD-PARTY RIGHTS.....	104
14.9	SEVERABILITY.....	105
14.10	PROVISIONS REQUIRED BY APPLICABLE LAWS.....	105
14.11	SURVIVAL.....	105
14.12	FEDERAL GRANTS.....	105
14.13	PROHIBITED INTERESTS.....	105

	<u>Page</u>
14.14 ASSIGNMENT OF ANTI-TRUST ACTIONS.....	105
14.15 NO WAIVER.....	106
14.16 CONSENT TO PHOTOGRAPHING.....	106
ARTICLE 15 DEFAULT, TERMINATION AND SUSPENSION .....	106
15.1 COUNTY REMEDIES FOR DEFAULT .....	106
15.1.1 Event of Default.....	106
15.1.2 County's Remedies.....	107
15.1.3 Contractor Tools, Equipment.....	107
15.1.4 Contractor Obligations.....	108
15.1.5 Accounting and Payment.....	108
15.1.6 Surety.....	109
15.1.7 Conversion.....	109
15.1.8 Substantial Performance Waived.....	110
15.1.9 Cross Default.....	110
15.1.10 Rights Cumulative.....	110
15.1.11 Materiality.....	110
15.1.12 County Action.....	110
15.2 SUSPENSION BY COUNTY FOR CONVENIENCE .....	110
15.2.1 Suspension Order.....	110
15.2.2 Resumption.....	110
15.2.3 Limitation.....	110
15.3 TERMINATION BY COUNTY FOR CONVENIENCE .....	110
15.3.1 Right to Terminate for Convenience.....	110
15.3.2 Contractor Obligations.....	111
15.3.3 Contractor Compensation.....	111
15.3.4 Exclusive Compensation.....	111
15.3.5 Subcontractors.....	111
15.4 TERMINATION BY CONTRACTOR.....	111
15.4.1 Contractor's Remedies.....	111
15.4.2 Notice of Intention to Terminate.....	111
15.4.3 Continuous Performance.....	111
15.5 WARRANTIES .....	112
ARTICLE 16 NON-DISCRIMINATION .....	112
16.1 NON-DISCRIMINATION IN SERVICES .....	112
16.2 NON-DISCRIMINATION IN EMPLOYMENT .....	112

**SUPPLEMENTAL GENERAL CONDITIONS OF**  
**THE STANDARD FORM NJPA IQC-WORK ORDER CONTRACT (EZIQC)**  
**BETWEEN COUNTY AND CONTRACTOR**

(LONG FORM)

**ARTICLE 1**  
**GENERAL PROVISIONS**

**1.1 DEFINITIONS-GENERAL**

1.1.1 **Acceptance of a Work Order.** Acceptance is when the County determines all the requirements of an individual Work Order have been completed. Execution of the Notice of Completion will signify Acceptance. A copy of the Notice of Completion will be sent to the Contractor after execution by the County. Upon receipt of the Notice of Completion, the Contractor will be relieved of the duty of protecting the work, and the County will initiate final settlement and payment.

1.1.2 **Act of God.** "Act of God" means earthquake, natural flood, tornado or other unusually severe natural or weather phenomenon occurring at the Site and causing Delay to performance of the Work at the Site; provided, however, that precipitation and winds shall not be an Act of God unless it exceeds in any given month the 10-year average of monthly levels as established by the National Oceanic and Atmospheric Administration ("NOAA") according to NOAA's records of measurable precipitation and winds taken at NOAA's recording station located within the Riverside County basin area that is nearest to the Site.

1.1.3 **Addendum.** "Addendum" means written or graphic information (including, without limitation, Drawings or Specifications) issued prior to the NJPA Bid Closing Deadline, which modifies or interprets the Bidding Documents by additions, deletions, clarifications or corrections.

1.1.4 **Adjustment Factor.** The Contractor's competitively bid price adjustment to the unit prices as published in the Construction Task Catalog associated with the applicable NJPA bid process. All adjustment factors are expressed as an increase or decrease from the published prices.

1.1.5 **Admitted Surety.** "Admitted Surety" means a surety insurer that is duly certified pursuant to California Insurance Code §995.120 to transact business as a surety in the State of California.

1.1.6 **Applicable Laws.** "Applicable Laws" means all statutes, ordinances, rules, regulations, policies and guidelines enacted by Governmental Authorities (including, without limitation, Environmental Laws and Disability Laws), codes adopted or promulgated by Governmental Authorities (including, without limitation, building and health and safety codes), lawful orders of Governmental Authorities and common law, including, but not limited to, principles of equity applied by the courts of the State of California, which are in effect at the time the Work is performed.

1.1.7 **Application for Payment.** "Application for Payment" means Contractor's itemized application for Progress Payment or Final Payment prepared, submitted and substantiated in accordance with the requirements of the Contract Documents.

1.1.8 **Architect.** "Architect" means the design professional retained by County that is primarily responsible for the preparation of the Drawings and Specifications for the Project.

1.1.9 **Assistant CEO/EDA.** "Assistant CEO/EDA" means the Assistant CEO for the Economic Development Agency, or his/her designee.

1.1.10 **Award.** "Award" means either (1) a minute order duly adopted by the Board of Supervisors approving County's entering into the Construction Contract with Contractor or (2) execution of the Construction Contract by the Clerk of the Board.

1.1.11 **Bid.** "Bid" means the completed and signed Bid Form and other Bid Submittals submitted by a Bidder to the NJPA in response to the Invitation for Bids (IFB) and in accordance with the NJPA Instructions to Bidders.

1.1.12 **Bid Amount.** "Bid Amount" means the dollar amount of the Adjustment Factor that is used as the basis for determining which Bidder has submitted the lowest Bid price for purposes of Award pursuant to the NJPA's chosen method of Award set forth in the NJPA Contract Documents and Instructions to Bidders.

1.1.13 **Bid Bond.** "Bid Bond" means alternative form of Bid Security submitted by a Bidder that consists of a surety bond issued by a Surety in accordance with the NJPA Bidding and Contract Documents.

1.1.14 **Bid Closing Deadline.** "Bid Closing Deadline" means the deadline (date and time) for receipt of Bids by the NJPA that is stated in the NJPA Bidding and Contract Documents, as adjusted by Addendum.

1.1.15 **Bid Form.** "Bid Form" means the form prescribed by the NJPA Bidding Documents to be completed and signed by a Bidder showing the Adjustment Factor(s) of its Bid.

1.1.16 **Bid Security.** "Bid Security" means a deposit of cash, certified or cashier's check or bond submitted by a Bidder in accordance with the NJPA Bidding Documents guaranteeing that if Award is made to the Bidder, the Bidder will enter into the Construction Contract and furnish the Performance Bond and Payment Bond and other Post-Award Submittals in accordance with the NJPA and County Contract Documents.

1.1.17 **Bid Submittal.** "Bid Submittal" means a document that Bidder is required by the NJPA Bidding Documents to submit with or as part of its Bid.

1.1.18 **Bidder.** "Bidder" means a person or entity submitting a Bid for Award of the NJPA Construction Contract.

1.1.19 **Bidding Documents.** "Bidding Documents" means the following collection of documents prepared and issued by NJPA relating to the NJPA Contract:

- .1 NJPA Invitation for Bid Documents (IFB);
- .2 NJPA Project Information;
- .3 NJPA Instructions to Bidders;
- .4 NJPA Execution Documents;
- .5 NJPA IQCC Standard Terms and Conditions and Contract General Conditions
- .6 Specifications;
- .7 Construction Task Catalogue (General Construction (B) - July 2013)
- .8 Addenda;
- .9 Reference Documents;
- .10 Safety Program; and

.11 those documents, or those portions or provisions of documents, that, although not listed in Subparagraph 1.1.19.2 through Subparagraph 1.1.19.9, above, are expressly cross-referenced therein or attached thereto, including, without limitation, all documents submitted by Contractor as part of its NJPA Bid, Post-Award Submittals, or subsequently awarded NJPA IQC Construction Contracts between the County and the Contractor.

1.1.20 **Board of Supervisors.** "Board of Supervisors" means the Board of Supervisors for the County of Riverside.

1.1.21 **Change.** "Change" means a modification, change, addition, substitution or deletion in the Work or in Contractor's means, methods, manner, time or sequence of performing the Work arising from any cause or circumstances, including, without limitation, either directly at the request of County or constructively by reason of other circumstances. Use of the term "Change," in any context, in the Contract Documents shall not be interpreted as implying that Contractor is entitled to a Contract Adjustment on any basis other than as permitted by the terms of the Contract Documents for Compensable Change, Deleted Work or Compensable Delay. Change Order. "Change Order" means a written instrument, signed in accordance with the requirements of the General Conditions and Supplemental General Conditions of the Standard Form NJPA IQC-Work Order Contract (EZIQC) Between County and Contractor (Supplemental General Conditions), setting forth the agreement of County and Contractor on the terms of a Contract Adjustment.

1.1.22 **Change Order Request.** "Change Order Request" means Contractor's written request for a Contract Adjustment pursuant to Paragraph 7.6.2, below.

1.1.23 **Claim.** "Claim" means a written demand or assertion by Contractor seeking, as a matter of right, an interpretation of contract, payment of money, recovery of damages or other relief. A Claim does not include the following: (1) tort claims for personal injury or death; (2) stop payment notice claims; (3) a determination of the right of County to specific performance or injunctive relief to compel performance; (4) a determination of the right of County to suspend, revoke or limit the Contractor's Prequalification status or rating or to debar Contractor from bidding or contracting with County; or (5) a determination of the right of County under Applicable Laws to terminate the Construction Contract and/or recovery of penalties imposed upon Contractor for violation of statutory obligations under Public Contract Code §4100 *et seq.*

1.1.24 **Close-Out Documents.** "Close-Out Documents" means all Record Documents, warranties, guarantees, technical information, operations manuals, replacement parts, excess and attic stock and other documents (including, without limitation, electronic versions and hard copies) and things required to be submitted by Contractor under the Contract Documents as a condition of Final Completion or Final Payment.

1.1.25 **Compensable Change.** "Compensable Change" means circumstances involving the performance of Extra Work:

.1 that are the result of

- (1) Differing Site Conditions,
- (2) amendments or additions to Applicable Laws, which amendments or additions are enacted after the Bid Closing Deadline,
- (3) a Change requested by County in accordance with the conditions of authorization applicable to Compensable Changes set forth in Article 7, below, or
- (4) other circumstances involving a Change in the Work for which Contractor is given under the Contract Documents a specific and express right to a Contract Adjustment to the Contract Price;

.2 that are not caused, in whole or in part, by an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, or violation of an Applicable Law, or by a failure of Contractor of a Subcontractor, of any Tier, to comply with the Contract Documents;

.3 for which a Contract Adjustment is neither prohibited by nor waived under the terms of the Contract Documents; and

.4 that if performed would require Contractor to incur additional and unforeseeable Allowable Costs that would not have been required to be incurred in the absence of such circumstances.

1.1.26 **Compensable Delay.** "Compensable Delay" means a Delay to the critical path of activities affecting Contractor's ability to achieve Substantial Completion of the entirety of the Work within the Contract Time:

- .1 that is the result of
- (a) a Compensable Change,
  - (b) the active negligence of County, Architect, a County Consultant or a Separate Contractor,
  - (c) a breach by County of an obligation under the Contract Documents, or
  - (d) other circumstances involving Delay for which Contractor is given under the Contract Documents a specific and express right to a Contract Adjustment adjusting the Contract Price;

.2 that is not caused, in whole or in part, by an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, or a violation of an Applicable Law, or a failure by Contractor or any Subcontractor, of any Tier, to comply with the Contract Documents; and

.3 for which a Contract Adjustment to the Contract Time is neither prohibited by nor waived under the terms of the Contract Documents.

1.1.27 **Construction Change Directive.** "Construction Change Directive" means a written instrument signed in accordance with the requirements of Article 7, below, that: (1) directs the performance of a Change that does not involve a Contract Adjustment; (2) establishes a mutually agreed basis for compensation to Contractor for a Compensable Change under circumstances where performance of the Compensable Change needs to proceed in advance of the County performing a full evaluation of the Contractor's rights relative to a Contract Adjustment; or (3) directs performance of Work or a Change with respect to which there exists a dispute or question regarding the terms of a Contract Adjustment.

1.1.28 **Work Order Construction Schedule.** "Construction Schedule" means the detailed, critical path schedule prepared by Contractor in accordance with the requirements of the Contract Documents showing Contractor's plan for performance of the Work within the Contract Time.

1.1.29 **Construction Task Catalog (CTC).** This is a comprehensive listing of specific repair or remodeling tasks together with a specific unit of measurement and a unit price.

1.1.30 **Contract Adjustment.** "Contract Adjustment" means an adjustment, additive or deductive, to the Contract Price or Contract Time, or Work Order that is permitted by the Contract Documents due to circumstances constituting a Compensable Change, Compensable Delay or Deleted Work.

1.1.31 **Contract Documents.** "Contract Documents" means the following collection of documents:

- .1 Standard Form of Construction Contract for EZIQC Between County and Contractor (**EZIQC Contract**);
- .2 NJPA Addenda;
- .3 NJPA Membership Agreement;

- .4 NJPA Indefinite Quantity Construction Agreement;
- .5 NJPA IFB;
- .6 NJPA Book 1 (Project Information, Instructions to Bidders & Execution Documents);
- .7 NJPA Book 2-IQCC Standard Terms and Conditions and General Conditions (**EZIQC General Conditions**);
- .8 EZIQC Work Order & Detailed Scope Documents
- .9 Supplemental General Conditions of the Standard Form EZIQC-Work Order Contract Between County and Contractor (**Supplemental EZIQC General Conditions**)
- 10. Construction Task Catalogue (CTC) (General Construction (B), July 2013
- .11 Change Orders;
- .12 Unilateral Change Orders;
- .13 Construction Change Directives;
- .14 Safety Program;
- .15 other documents that comprise exhibits, attachments or riders to the documents listed in preceding Subparagraph 1.1.35.1 through Subparagraph 1.1.35.11, above;
- .16 executed Declaration of Sufficiency of Funds;
- .17 Modifications ;
- .18 Reference Documents; and
- .19 if the NJPA Bidding Documents limit bidding to Prequalified Bidders, those written representations, obligations or responsibilities made, acknowledged or assumed by the Bidder as part of the applicable Prequalification conducted by NJPA, including, without limitation, any continuing obligations assumed by Contractor to disclose false or misleading information, report changes in ownership or management and comply with minimum safety requirements.

1.1.32 **Contract Price.** "Contract Price" means the dollar amount set forth in the EZIQC Contract as the total compensation payable by County to Contractor for complete performance by Contractor in accordance with the Contract Documents of the Work and other obligations assumed by Contractor under the Contract Documents.

1.1.33 **Contract Time.** "Contract Time" means the total number of Days set forth in the EZIQC Contract within which Contractor is obligated to achieve Substantial Completion and/or Final Completion of the Work, as extended or shortened by Contract Adjustments.

Contractor. "Contractor" means the person or entity identified by County as the NJPA Bidder receiving Award of an NJPA Indefinite Quantity Construction Agreement.

1.1.34 **Contractor Amount.** "Contractor Amount" means the component amount calculated on behalf of Contractor pursuant to Paragraph 15.1.5, below, that is used to determine the total net amount payable to Contractor or County in the event of a partial or full termination or discontinuance of the Work.



1.1.35 **Contractor's Own Expense.** "Contractor's Own Expense" means that Contractor agrees to assume sole responsibility to pay and be responsible for any resulting or associated Loss and Delay, without any Contract Adjustment and without any other form of compensation or reimbursement, of any kind, by County.

1.1.36 **County.** "County" means the County of Riverside, a political subdivision of the State of California.

1.1.37 **County Amount.** "County Amount" means the component amount calculated on behalf of County pursuant to Paragraph 15.1.5, below, that is used to determine the total net amount payable to Contractor or County in the event of a partial or full termination or discontinuance of the Work.

1.1.38 **County Consultant.** "County Consultant" means a consultant, other than Architect, engaged by County (or engaged as a subconsultant to the Architect or a County Consultant) to provide professional advice to County with respect to the design, construction or management of the Project.

1.1.39 **County Review Date.** "County Review Date" means an end date set forth in the Construction Schedule or Submittal Schedule within which County, Architect or a County Consultant is to provide information, review documents or render decisions, approvals or disapprovals.

1.1.40 **County Review Period.** "County Review Period" means a period of time set forth in the Construction Schedule or Submittal Schedule within which County, Architect or a County Consultant is to provide information, review documents or render decisions, approvals or disapprovals.

1.1.41 **County Risk Manager.** "County Risk Manager" means the individual employee of the County acting as its risk manager.

1.1.42 **County Website.** "County Website" means the website maintained by County at <http://www.rivcoeda.org>.

1.1.43 **Date of Commencement.** "Date of Commencement" means the starting date used for calculation of the Contract Time, and is the date, no earlier than the first working day following issuance of the first Work Order Notice to Proceed, issued by the County.

1.1.44 **Day.** "Day", whether capitalized or not, and unless otherwise specifically provided, means calendar day, including weekends and Holidays.

1.1.45 **Declaration of Sufficiency of Funds.** "Declaration of Sufficiency of Funds" means the declaration, in the form included in the Bidding Documents, required to be submitted by Contractor under circumstances where Contractor has not executed a collective bargaining agreement covering the workers who will be employed to perform the Work.

1.1.46 **Defective Work.** "Defective Work" means materials, equipment, labor, workmanship, construction services or other construction work comprising the Work by Contractor or a Subcontractor that (1) is faulty, omitted, incomplete, or deficient, or (2) does not conform to Applicable Laws, the Contract Documents, or the requirements of any inspection, reference standard, test, code or approval specified in the Contract Documents.

1.1.47 **Delay.** "Delay" means any circumstances involving delay, disruption, hindrance or interference.

1.1.48 **Deleted Work.** "Deleted Work" means Work that is eliminated or its scope or cost reduced pursuant to a Change Order or Unilateral Change Order.

1.1.49 **Department of Industrial Relations.** "Department of Industrial Relations" means The Department of Industrial Relations of the State of California.

1.1.50 **Design Discrepancy.** "Design Discrepancy" means an error, omission, conflict, ambiguity, lack of coordination or noncompliance with Applicable Laws contained in the Bidding Documents, Contract Documents, Reference Documents or other information made available by County to Contractor prior to or after the Bid Closing Deadline.

1.1.51 **Design Documents.** "Design Documents" means all originals, copies and drafts of plans, drawings, tracings, specifications, programs, reports, calculations, presentation materials, models, building information models and other writings or materials containing designs, specifications or engineering information related to the Work or Project prepared by Architect, County Consultants, Contractor, Separate Contractors or Subcontractors including, without limitation, computer aided design materials, electronic data files and paper copies. The term "Design Documents" includes both the written documents and all building and other designs depicted therein.

1.1.52 **Design Intent.** "Design Intent" means the general intended design objectives of the Design Documents prepared by Architect and County Consultants, as described in Paragraph 1.2.1, below.

1.1.53 **Designation of Subcontractors.** "Designation of Subcontractors" means the list of proposed Subcontractors prepared by the Bidder pursuant to California Public Contract Code §§4100 et seq.

1.1.54 **Differing Site Condition.** "Differing Site Condition" means an unforeseen condition that constitutes a basis for Contract Adjustment pursuant to Paragraph 4.3.8, below.

1.1.55 **Disability Laws.** "Disability Laws" means applicable federal, state, local or municipal laws, rules, orders, regulations, statutes, ordinances, codes, decrees, or requirements of any Government Authority, which regulate, relate to or impose liability or standards of conduct with respect to, or accessibility for, persons with disabilities, including, without limitation, the Americans with Disabilities Act (42 USCA §§ 12101 et seq.) and the Fair Housing Amendments Act of 1988 (42 USCA §§ 3604 et seq.).

1.1.56 **Discovery Date.** "Discovery Date", generally used in reference to Contractor's obligation to give written notice of certain facts, conditions or circumstances, means the earlier of the dates that Contractor or any Subcontractor either: (1) discovered such facts, conditions or circumstances; or (2) should have discovered such facts, conditions or circumstances in the exercise of the level of care required by the terms of the Standard of Performance.

1.1.57 **Drawings.** "Drawings" means graphic and pictorial documents showing the design, location and dimensions of the Project, and generally includes plans, elevations, subparagraphs, details, schedules and diagrams. The term "Drawings" is used interchangeably with "Plans".

1.1.58 **EDA.** "EDA" means the Economic Development Agency for the County of Riverside.

1.1.59 **Environmental Laws.** "Environmental Laws" means all applicable federal, state, local or municipal laws, rules, orders, regulations, statutes, ordinances, codes, decrees and permits or other requirements of any Governmental Authority, which regulate, relate to, or impose liability or standards of conduct concerning any Hazardous Substance (including, without limitation, the use, handling, transportation, production, disposal, discharge or storage thereof), occupational or environmental conditions on, under, or about the Site or Existing Improvements (including, without limitation, soil, groundwater, and indoor and ambient air conditions), environmental protection (natural or manmade resources), or occupational health or industrial hygiene (but only to the extent related to Hazardous Substances on, under, or about the Site or Existing Improvements), as now or may at any later time be in effect, including without limitation, the Comprehensive Environmental Response, Compensation and Liability Act of 1980 [42 U.S.C.A. §§ 9601 et seq.]; the Resource Conservation and Recovery Act of 1976 [42 U.S.C.A. §§ 6901 et seq.]; the Clean Water Act (also known as the Federal Water Pollution Control Act) [33 U.S.C.A. §§ 1251 et seq.]; the Toxic Substances Control Act [15 U.S.C.A. §§ 2601 et seq.]; the Hazardous Substances Transportation Act [49 U.S.C.A. §§ 1801 et seq.]; the Insecticide, Fungicide, Rodenticide Act [7 U.S.C.A. §§ 136 et seq.]; the Superfund Amendments and Reauthorization Act [42 U.S.C.A. §§ 6901 et seq.]; the Clean Air Act [42 U.S.C.A. §§ 7401 et seq.]; the Safe Drinking Water Act [42 U.S.C.A. §§ 300f et seq.]; the Solid Waste Disposal Act [42 U.S.C.A. §§ 6901 et seq.]; the Surface Mining Control and Reclamation Act [30 U.S.C.A. §§ 1201 et seq.]; the Emergency Planning and Community Right to Know Act [42 U.S.C.A. §§ 11001 et seq.]; the Occupational Safety and Health Act [29 U.S.C.A.

§§ 655 and 657]; the Residential Lead-Based Paint Exposure Act (Title X of the Housing and Community Development Act of 1992) [15 U.S.C.A. §§ 2681 et seq.]; the Lead-Based Paint Poisoning Prevention Act [42 U.S.C.A. §§ 4821 et seq.]; the Federal Endangered Species Act, the California Endangered Species Act, the Migratory Bird Treaty Act, the National Environmental Policy Act, the California Environmental Quality Act, Porter Cologne Water Quality Act (California Water Code §§ 13000 et seq), and all similar federal, state or local laws, rules, orders, regulations, statutes, ordinances, codes, decrees, or requirements.

**1.1.60 Escrow Agent.** "Escrow Agent" means an entity serving as escrow agent pursuant to California Public Contract Code §22300 in connection with the deposit of securities or retention.

**1.1.61 Escrow Bid Documents.** "Escrow Bid Documents" means all written documentation and electronic files reflecting the basis for and calculation of a Bid, including, without limitation, estimates, quantity take-offs, price quotations, product data, pricing data, memoranda, narratives, add/deduct sheets and reports (including, without limitation, reports on conditions at, under, or in the vicinity of the Site). The term "Escrow Bid Documents" does not include copies of Bidding Documents if they are not needed to comply with the requirements of the Bidding Documents applicable to submission of Escrow Bid Documents.

**1.1.62 Event of Contractor Default.** "Event of Contractor Default" means any of the events constituting default by Contractor as set forth in Paragraph 15.1.1, below.

**1.1.63 Evidence of Insurance.** "Evidence of Insurance" means the statement, completed by Bidder in the form included in the Bidding Documents, evidencing the Bidder's compliance with the insurance requirements of the Bidding Documents.

**1.1.64 Excusable Delay.** "Excusable Delay" means a Delay, other than a Compensable Delay, to Contractor's ability to achieve Substantial Completion or Final Completion of the Work within the Contract Time that is: (1) not caused, in whole or in part, by an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, a violation of an Applicable Law or a failure by Contractor or any Subcontractor, of any Tier, to comply with the Contract Documents; (2) unforeseeable, unavoidable and beyond the control of Contractor and the Subcontractors, of every Tier; and (3) the result of a Force Majeure Event. Without limitation to the foregoing, neither the bankruptcy, insolvency nor financial inability of Contractor or a Subcontractor, of any Tier, nor any failure by a Subcontractor, of any Tier, to perform any obligation imposed by contract or Applicable Laws shall constitute a ground for Excusable Delay.

**1.1.65 Existing Improvements.** "Existing Improvements" means all improvements located on the Site as of the acceptance date of the Detailed Scope of Work, whether above or below the surface of the ground, including, but not limited to, existing buildings, utilities, infrastructure improvements and other facilities.

**1.1.66 Extra Work.** "Extra Work" means labor, materials, equipment, services or other work, not reasonably inferable by Contractor or its Subcontractors from the design and other information set forth in the Bidding Documents, the performance of which requires the expenditure by Contractor of additional and unforeseen Allowable Costs. References to Extra Work shall not be interpreted to mean or imply that Contractor is entitled to a Contract Adjustment unless such Extra Work constitutes a Compensable Change.

**1.1.67 Final Completion, Finally Complete.** "Final Completion" and "Finally Complete" mean the point at which the following conditions have occurred with respect to an individual Work Order:

- .1** the Work is fully completed, including all minor corrective, or "punch list," items;
- .2** all permits, approvals and certificates by Governmental Authorities, such as, but not necessarily limited to, a permanent or temporary certificate of occupancy required to occupy and use the Work have been issued free of any conditions that are the result of an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, a violation of an Applicable Law or a failure by Contractor or any Subcontractor, of any Tier, to comply with the Contract Documents;
- .3** the Work and the related portions of the Site have been thoroughly cleared of all construction debris and cleaned in accordance with the requirements of the Contract Documents, including, but not necessarily

limited to where applicable, the following: removal of temporary protections; removal of marks, stains, fingerprints and other soil and dirt from painted, decorated and natural-finished woodwork and other Work; removal of spots, plaster, soil and paint from ceramic tile, marble and other finished materials; all surfaces, fixtures, cabinet work and equipment are wiped and washed clean and in an undamaged, new condition; all aluminum and other metal surfaces are cleaned in accordance with recommendations of the manufacturer; and all stone, tile and resilient floors are cleaned thoroughly in accordance with the manufacturer's recommendations and buff dried by machine to bring the surfaces to sheen;

.4 all conditions set forth in the Contract Documents for Substantial Completion of the Work have been, and continue to be, fully satisfied;

.5 all conditions pertaining to the Work and required for the release of County's obligations (including, but not limited to, release of County's bond obligations) to Governmental Authorities (including, but not limited to, matters involving grading, flood control, public works, transportation and traffic) have been satisfied; and

.6 Contractor has delivered to County all Close-Out Documents.

1.1.68 **Final Completion Punch List.** "Final Completion Punch List" means the list of minor items of Work to be completed or corrected by Contractor for Final Completion.

1.1.69 **Final Payment.** "Final Payment" means payment by County to Contractor of the entire unpaid balance of the Work Order Price due to Contractor following Final Completion, less the amount retained per the contract.

1.1.70 **Force Majeure Event.** "Force Majeure Event" means, and is restricted to, any the following: (1) Acts of God occurring at the Site; (2) terrorism or other acts of a public enemy; (3) orders of Governmental Authorities (including, without limitation, unreasonable and unforeseeable Delay in the issuance of permits or approvals by Governmental Authorities that are required for the Work); (4) epidemics or quarantine restrictions; (5) strikes and other organized labor action occurring at the Site and the effects thereof on the Work to the extent such strikes and other organized labor action are beyond the control of Contractor and its Subcontractors, of every Tier, and to the extent the effects thereof cannot be avoided by use of replacement workers or implementation of a dual gate system of entry to the Site; or (6) unusual shortages in materials that are supported by documented proof that (a) Contractor made every effort to obtain such materials from all available sources, (b) such shortage is due to the fact that such materials are not physically available from single or multiple sources or could have been obtained only at exorbitant prices entirely inconsistent with current rates taking into account the quantities involved and the usual industry practices in obtaining such quantities, and (c) such shortages and the difficulties in obtaining alternate sources of materials could not have been known or anticipated as of the Bid Closing Deadline.

1.1.71 **Fragnet.** "Fragnet" means a contemporaneous, fragmentary scheduling network, which graphically identifies the sequencing of all critical and non-critical new activities and/or activity revisions affected by a Compensable Delay or Excusable Delay with logic ties to all affected existing activities noted on the Construction Schedule, that isolates and quantifies a time impact of a specific issue, determines and demonstrates any such specific Delay in relation to past and/or other current Delays and provides a method for incorporating all Contract Adjustments to the Contract Time into an update of the approved Construction Schedule.

1.1.72 **General Conditions.** "General Conditions" means the herein set forth general terms and conditions governing performance of the Work.

1.1.73 **General Requirements.** "General Requirements" means the portion of the Specifications so titled setting forth additional requirements for administration of the Work.

1.1.74 **Good Faith Determination.** "Good Faith Determination" means a determination made by the Assistant CEO/EDA or other authorized representative of County, which he/she believes in good faith to be a proper exercise of County's rights and to have a reasonable basis in fact, whether or not such determination is in fact proper, reasonable or correct or adjudged to be so.

**1.1.75 Governmental Authority.** "Governmental Authority" means the United States, the State of California, the County of Riverside (acting in its regulatory, rather than proprietary, capacity), the City in which the Project is located, any other local, regional, state or federal political subdivision, authority, agency, department, commission, board, bureau, court, judicial or quasi-judicial body, and any legislative or quasi-legislative body, or instrumentality of any of them, which exercises jurisdiction over the Project, Work, Site, Contractor or County, including, without limitation, any Governmental Authority having jurisdiction to review and approve or reject the Contract Documents or the Work based on compliance or non-compliance with Applicable Laws.

**1.1.76 Governmental Authority Review Period.** "Governmental Authority Review Period" means a period of time set forth in the Construction Schedule or Submittal Schedule for Governmental Authority review, and/or approval, of the Work.

**1.1.77 Guarantee To Repair Period.** "Guarantee To Repair Period" means the period of time set forth in Section 13.3, below, for repair or replacement of Defective Work.

**1.1.78 Hazardous Substance.** "Hazardous Substance" means either of the following: (1) any chemical, material or other substance defined as or included within the definition of "hazardous substances," "hazardous wastes," "extremely hazardous substances," "toxic substances," "toxic material," "restricted hazardous waste," "special waste," "contamination" or words of similar import under any Environmental Law, including, without limitation, the following: petroleum (including crude oil or any fraction thereof), asbestos, asbestos-containing materials, polychlorinated biphenyls ("PCBs") and PCB-containing materials, whether or not occurring naturally; or (2) any substance that because of its quantity, concentration or physical or chemical characteristics poses a significant present or potential hazard to human health and safety or to the environment, and which has been determined by any Governmental Authority to be a hazardous waste or hazardous substance.

**1.1.79 Holiday.** "Holiday" means a Day recognized by County as being a legal holiday for its staff and employees.

**1.1.80 Indemnitees.** "Indemnitees" means those persons or entities listed in Paragraph 3.18.1, below, as the "Indemnitees".

**1.1.81 Inspector of Record.** "Inspector of Record" means a person designated by the County to perform inspections on behalf of the County, who may be an employee or an independent consultant to County.

**1.1.82 Installation Subcontractor.** "Installation Subcontractor" means a Subcontractor who performs a portion of the Work that includes providing substantial, rather than minor and incidental, services for the installation of temporary or permanent materials, equipment or facilities at the Site.

**1.1.83 Instructions to Bidders.** "Instructions to Bidders" means the portion of the Bidding Documents setting forth the requirements to be followed by Bidders in preparing and submitting Bids.

**1.1.84 Intellectual Property Rights.** "Intellectual Property Rights" means all intellectual property rights, including, without limitation, patent, trademark, trade dress, copyright, industrial design rights, priority rights and trade secrets.

**1.1.85 Work Order.** Means a firm, fixed priced, lump sum order issued by the County under the EZIQC Contract to a Contractor with an approved NJPA Indefinite Quantity Construction Agreement. The Work Order will set forth a definite project scope of work as compiled from the Construction Task Catalog to be performed pursuant to the EZIQC Contract. A Work Order, minimally, consists of plans, shop drawings, permits, specifications and the Scope of Work required to complete the Work. The County, in cooperation with the Gordian Group, will be responsible for the development of the Work Order as well as the observation and acceptance of the Work contained within the Work Order. The County will review the Contractor's Proposal and if acceptable, shall sign the Work Order, submit the EZIQC Contract to the Board of Supervisors for approval and issue a Notice to Proceed for the work described therein. Each Work Order will include a detailed Scope of Work, a firm fixed price proposal from the Contractor, a time duration for the completion of the Work and any special conditions that might apply to that specific Work Order. There is no minimum value associated with an individual Work Order and the maximum value shall be in accordance with the NJPA Indefinite Quantity Construction Agreement.

1.1.86 **Work Order Amount.** The dollar amount stated in the Work Order payable by County to Contractor. The Work Order Amount is a firm-fixed price and may not be increased or decreased. Work may be added to or deleted from a project utilizing an additive or deductive Supplemental Work Order as back up to an authorized County Change Order.

1.1.87 **NJPA Indefinite Quantity Construction Agreement().** A competitively bid, fixed period, fixed unit price and indefinite quantity contract between the NJPA and the Contractor that provides for the use of Work Orders for public works or maintenance projects. Work is accomplished under the individually awarded EZIQC Contracts approved by the Board of Supervisors until the fixed period or the Maximum Contract Amount of the NJPA Indefinite Quantity Construction Agreement is reached, whichever comes first. See also the definitions for "Contract" and "Contract Documents" set forth respectively in this Section.

1.1.88 **Work Order Proposal.** Also sometimes referred to in the Contract Documents as a "Proposal", is the Contractor's irrevocable offer to perform all Work associated with a Work Order. It refers to the Contractor prepared document quoting a firm fixed-price and schedule for the completion of a specific Scope of Work. The Contractor's Proposal must be on forms provided by the County and in an electronic version compatible with the County's systems, including but not limited to, e-Gordian. The Proposal may also contain approved drawings, work schedule, permits, or other such documentation as the County might require for a specific Work Order.

1.1.89 **Work Order Time.** The duration of time, stated in number of days, as set forth in an individual Work Order. Work Order Time is the stated number of days the Contractor has to perform the tasks set forth in the Work Order. Work Order Time can also mean more or less days than the original number of days stated in the Work Order if the Work Order is modified by a Change Order with a Supplemental Work Order as part of the backup documentation.

1.1.90 **Key Personnel, Key Persons.** "Key Personnel" and "Key Persons" mean those individuals employed by Contractor as described in Paragraph 3.8.1, below, and any replacements thereto approved by County, whose personal performance is deemed of the essence to the Construction Contract.

1.1.91 **Loss, Losses.** "Loss" and "Losses" mean any and all economic and non-economic losses, costs, liabilities, claims, damages, cost escalations, actions, judgments, settlements, expenses, fines, penalties and punitive damages including, without limitation, full and actual attorney's fees (including, without limitation, attorney's fees for trial and on appeal), expert and non-expert witness fees, arbitrator and arbitration fees, court costs (statutory and non-statutory), and mediation and mediator fees.

1.1.92 **Maximum Contract Amount.** The maximum potential dollar value of the NJPA Indefinite Quantity Construction Agreement is Two Million Dollars (\$2,000,000) per year. Each NJPA Indefinite Quantity Construction Agreement has an initial term of one (1) year and bilateral option provisions for three (3) additional terms. The total term cannot exceed four (4) years. EZIQC. The aggregate dollar value of the Work Order(s) issued under each NJPA Indefinite Quantity Contract cannot exceed the Maximum Contract Amount unless adjusted in accordance with the EZIQC General Conditions.

1.1.93 **Minimum Contract Amount.** The Contractor is not guaranteed to receive any Work Orders under the NJPA Indefinite Quantity Construction Agreement.

1.1.94 **Modification.** "Modification" means a document, other than a Change Order or Construction Change Directive, approved and signed by County and Contractor after execution of the Construction Contract, agreeing to alter, amend or modify the Contract Documents.

1.1.95 **Mold.** "Mold" means mold, mildew, spores or other microorganisms of any type, nature or description, or any by-product thereof, the presence of which poses an actual or potential threat to human health, including, without limitation, any species of organisms of the kingdoms of fungi or mycota, including yeasts, smuts, ruts, mildews, mold and mushrooms, or any microbial contamination, either airborne or surface, which arises out of or is related to the presence of fungi or spores (including, without limitation, aspergillus, cladosporium, penicillium and stachybotrys chartarum).

1.1.96 **Non-Collusion Declaration.** "Non-Collusion Declaration" means the form, so titled, required by California Public Contract Code §7106 and the Bidding Documents to be submitted by Bidder with its Bid.

1.1.97 **Non-prepriced tasks.** As used herein, means those units of work that are not included in the CTC but within the general scope and intent of this Contract and may be negotiated into this Contract as needs arise. Such work requirements shall be incorporated into and made a part of this Contract for the Work Order to which they pertain, and may be incorporated into the CTC, if determined appropriate by the County and NJPA, at the base price determined in this Work Order. Non-prepriced work requirements shall be separately identified and submitted in the Work Order Proposal.

1.1.98 **Notice Inviting Bids.** "Notice Inviting Bids" (also called Invitation for bids [IFB] in the NJPA documents) means the notice issued by or on behalf of County inviting submission of Bids for the Project.

1.1.99 **Notice of Change.** "Notice of Change" means a formal written notice required to be submitted by Contractor pursuant to Paragraph 7.6.1, below, notifying County of circumstances that Contractor believes may give rise to a Contract Adjustment.

1.1.100 **Notice of Completion.** "Notice of Completion" means a "notice of completion" as defined in California Civil Code §9204.

1.1.101 **Notice of Completion of a Work Order.** The Notice of Completion ("NOC") shall be issued by the Economic Development Agency at that point in the Work Order when the Contractor has completed all Work required in the Work Order. The time for issuance shall be determined by the County through a final inspection and acceptance of the work described in the Work Order. The NOC shall be signed by the Board of Supervisors for Work Orders exceeding \$125,000, and by either the Assistant County Executive Officer/EDA, Managing Director of EDA, or Assistant Director of Economic Development Agency/Project Management Office for Work Orders \$124,999 or less.

1.1.102 **Notice of Delay.** "Notice of Delay" means a formal written notice prepared and submitted by Contractor pursuant to Paragraph 8.2.2, below, notifying County of circumstances that Contractor believes may give rise to a Contract Adjustment to the Contract Time for Excusable Delay or Compensable Delay or a Contract Adjustment to the Contract Price for Compensable Delay.

1.1.103 **Notice of Final Completion.** "Notice of Final Completion" means the written notice by County confirming the date of actual Final Completion.

1.1.104 **Notice of Intent to Award.** "Notice of Intent to Award" means the written notice by or on behalf of County stating County's intent to Award the Construction Contract.

1.1.105 **Notice of Substantial Completion.** "Notice of Substantial Completion" means the written notice by County confirming the date of actual Substantial Completion.

1.1.106 **Payment Bond, Performance Bond.** "Payment Bond" and "Performance Bond" mean the surety bonds required to be provided by Contractor pursuant to Article 12, below.

1.1.107 **Plans.** "Plans" means the graphic and pictorial portions of the Contract Documents prepared by Architect or its Subconsultants showing the design, location and dimensions of the Work, including, without limitation, plans, elevations, details, schedules and diagrams. The term "Plans" is used interchangeably with "Drawings".

1.1.108 **Post-Award Submittals.** "Post-Award Submittals" means the documents described in the Contract Documents that the Contractor is required to submit after Contract is awarded.

1.1.109 **Pre-Bid Conference.** "Pre-Bid Conference" means the conference, specified in the Notice Inviting Bids as either mandatory or optional, held prior to the Bid Closing Deadline for the purpose of, without limitation, introducing the Bidders to the NJPA EZIQC Program, and review of associated documents and processes.

**1.1.110 Product Data.** "Product Data" means illustrations, standard schedules, charts, instructional brochures, diagrams and other information furnished by Contractor to illustrate a material, product or system for the Work.

**1.1.111 Progress Payment.** "Progress Payment" means a monthly payment of a portion of the Contract Price prior to Final Completion based on Contractor's progressed performance of the Work.

**1.1.112 Project.** "Project" means the improvements comprising, or necessary or appurtenant to the use of, the work of improvements described generally in the Work Order documents issued for each Work Order under the Contract, including but not limited to, the Detailed Scope of Work and the Notice to Proceed; and of which the Work may be the entirety of such improvements or only a part. Project Documents.

**1.1.113 Project Documents.** "Project Documents" means all writings (hard copy and electronic) in the possession of Contractor at the Site or elsewhere that relate in any way to the Project or Work.

**1.1.114 Project Team.** "Project Team" means County, Architect, County Consultants, Contractor, the Subcontractors, the Separate Contractors, Inspectors of Record and other firms or individuals retained by County, or retained by others with County's approval, participating in the planning, programming, design, construction or inspection of the Work.

**1.1.115 Reasonable Order of Magnitude Estimate.** "Reasonable Order of Magnitude Estimate" means a general estimate prepared by Contractor, or jointly by Contractor and County, without the benefit of complete or definitive pricing by Subcontractors, of the projected additional cost and time associated with Contractor's performance of a particular item or items of Extra Work or Deleted Work described in a Construction Change Directive. Unless otherwise agreed to in writing between County and Contractor, a Reasonable Order of Magnitude Estimate does not constitute either an authorization or agreement by County to any Contract Adjustment or a guarantee or promise by Contractor with respect to the amount of any Contract Adjustment that may be associated with a Compensable Change or Deleted Work.

**1.1.116 Record Documents.** "Record Documents" means the collection of documents assembled and prepared by Contractor (including, without limitation, the Record Drawings and Specifications) showing the condition of the Work as actually built.

**1.1.117 Record Drawings, Record Specifications.** "Record Drawings" and "Record Specifications" mean the Drawings and Specifications marked by Contractor to show the condition, location and placement of the Work as actually built, including, without limitation, the locations of mechanical, electrical, plumbing or similar portions of the Work that are depicted diagrammatically in the Drawings.

**1.1.118 Reference Documents.** "Reference Documents" means reports, studies, surveys and other information provided by County for Contractor's review and consideration in preparing its Bid, including, without limitation, information describing the Site (including surface or subsurface conditions), Existing Improvements or Hazardous Substances at the Site.

**1.1.119 Request for Extension.** "Request for Extension" means a formal written request submitted by Contractor pursuant to Paragraph 8.2.3, below, setting forth the justification and support for Contractor's request for a Contract Adjustment to the Contract Time.

**1.1.120 Request for Information.** "Request for Information" means a written request by Contractor for clarification of what it perceives to be a discrepancy in the Contract Documents (including, without limitation, information in the Contract Documents constituting a Design Discrepancy or a variance between the information in the Bidding Documents or Contract Documents and conditions at the Site or in Existing Improvements).

**1.1.121 Safety Program.** "Safety Program" means the formal, written program prepared by Contractor setting forth detailed procedures and precautionary measures for protecting persons and property from injury or damage.



1.1.122 **Samples.** "Samples" means physical examples that, when approved by County and Architect, illustrate materials, equipment or workmanship by which the Work is to be evaluated and judged as part of the Submittal process.

1.1.123 **Schedule of Values.** "Schedule of Values" means a detailed, itemized breakdown of the Contract Price, which provides for an allocation of the dollar values to each of the various parts of the Work.

1.1.124 **Self-Performed Work.** "Self-Performed Work" means Work related to a Compensable Change or Deleted Work that is performed or to be performed by Contractor's own laborers who are employed by Contractor, rather than by the employees of a Subcontractor, using materials and equipment purchased by Contractor directly from a supplier or manufacturer.

1.1.125 **Separate Contractor.** "Separate Contractor" means a contractor, subcontractor, supplier or vendor under contract directly to County to provide services, materials, labor, equipment or other work to the Project.

1.1.126 **Shop Drawing.** "Shop Drawing" means a drawing, diagram, schedule and other data specially prepared for the Work by Contractor or a Subcontractor to illustrate some portion of the Work.

1.1.127 **Site.** "Site" means: (1) the parcel of land owned by County on which the Project is to be constructed and such additional parcels as may be purchased by County for such construction; (2) all areas adjacent to such parcels that may be used by Contractor or the Subcontractors for staging, storage, parking or temporary offices; and (3) all land areas, both private and public, adjacent to such parcels on which Work is required to be performed under the Contract Documents, Applicable Laws or permits relating to the Project.

1.1.128 **Specifications.** "Specifications" means the portion of the Contract Documents consisting of the written requirements for materials, equipment, standards and workmanship for the Work and performance of related services.

1.1.129 **Standard of Performance.** "Standard of Performance" means the general standard governing Contractor's performance of its obligations under the Construction Contract, EZIQC General Conditions and EZIQC Supplemental General Conditions as set forth in Section 2.2 of the EZIQC Construction Contract.

1.1.130 **State Water Resources Control Board.** "State Water Resources Control Board" means the State Water Resources Control Board of the State of California.

1.1.131 **Storm Water Permit.** "Storm Water Permit" means any applicable storm water, urban runoff or statewide general NPDES permit issued by the State of California or the United States pursuant to the provisions of the Clean Water Act (Title 33 U.S.C. §§1251 et seq.) and/or Porter Cologne Water Quality Control Act (California Water Code §§13000 et seq.) and including any related regulations issued by the State of California or the United States.

1.1.132 **Sub-Bidder.** "Sub-Bidder" means a person or entity that submits a bid to an EZIQC Contractor for some portion of the Work that is to be performed by that person or entity acting as a first-Tier Subcontractor.

1.1.133 **Subcontractor.** "Subcontractor" means a person or entity that has a contract to perform a portion of the Work, including without limitation, subcontractors, sub-subcontractors, suppliers, equipment operators, manufacturers and vendors, of any and every Tier.

1.1.134 **Submittal.** "Submittal" means a Shop Drawing, Product Data, Sample, detailed design, exemplar, fabrication and installation drawing, list, graph, operating instruction or other document required to be submitted by Contractor under the Contract Documents.

1.1.135 **Submittal Schedule.** "Submittal Schedule" means the schedule prepared by Contractor showing the timing for submission and review of Submittals during construction.

1.1.136 **Substantial Completion, Substantially Complete.** "Substantial Completion" and "Substantially Complete" mean the point at which the following conditions have occurred with respect to the entire Work or a portion of the Work designated by County in writing to be Substantially Completed prior to Substantial Completion of the entire Work:

.1 such Work is sufficiently and entirely complete in accordance with Contract Documents so that such Work can be fully enjoyed and beneficially occupied and utilized by County for its intended purpose (except for minor items which do not impair County's ability to so occupy and use such Work);

.2 all permits, approvals and certificates by Governmental Authorities, such as, but not necessarily limited to, a permanent or temporary certificate of occupancy required to occupy and use such Work have been issued free of any conditions that are the result of an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, a violation of an Applicable Law or a failure by Contractor or any Subcontractor, of any Tier, to comply with the Contract Documents; and

.3 all building systems included in such Work are operational as specified, all designated or required inspections and certifications by Governmental Authorities have been made and posted and instruction of County's personnel in the operation of the systems has been completed.

1.1.137 **Substantial Completion Punch List.** "Substantial Completion Punch List" means the list of items of Work to be completed or corrected by Contractor for Substantial Completion.

1.1.138 **Substitution.** "Substitution" means a material, product or item of material or equipment proposed by the Bidder or Contractor in place of that specified in the Bidding Documents or Contract Documents.

1.1.139 **Substitution Request Form.** "Substitution Request Form" means the form, so titled, that is included in the Bidding Documents for use by the Bidders when requesting a Substitution.

1.1.140 **Supplementary Conditions.** "Supplementary Conditions" means those portions of the Specifications that supplement, by addition, modification or deletion, a specific portion of the General Conditions.

**Supplemental General Conditions.** "Supplemental General Conditions" means the herein set forth supplemental general terms and conditions governing performance of the Work and titled, Supplemental General Conditions of the Standard Form EZIQC-Work Order Contract Between County and Contractor.

1.1.141 **Supplemental Work Order.** A stand-alone Work Order issued in the same manner and including all the characteristics described in item 1.1.89.1, Work Order, above. The purpose and use of a Supplemental Work Order shall be to provide primary back up for any change to the project by adding or deleting work or time to or from the project for which a Work Order has been issued. Such supplemental work shall be reviewed by the County in advance and shall be approved as compensable under the requirements of the EZIQC Contract and a county change order shall be issued as the primary change order mechanism. Completion and acceptance of Work under a Supplemental Work Order shall follow the same requirements as all Work Orders and all the requirements of the EZIQC Contract.

1.1.142 **Surety.** "Surety" means Contractor's surety(ties) issuing the Bid Bond, Performance Bond or Payment Bond.

1.1.143 **Technical Specifications.** The term "Technical Specifications" means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the Work.

1.1.144 **Tier.** "Tier" means the contractual level of a Subcontractor with respect to Contractor. For example, a "first-tier" Subcontractor is under contract with Contractor. A sub-subcontractor under contract with a first-tier Subcontractor is in the "second tier," and so on. Use of the phrase "of every Tier", or similar phraseology, in the Contract Documents shall not be interpreted as implying that other provisions of the Contract Documents, where such phrase is not used, are intended to be limited in application to only the first Tier or to only certain other Tiers of Subcontractors.

**1.1.145 Time Impact Analysis.** "Time Impact Analysis" means a written report evaluating the impact of an Excusable or Compensable Delay, which shall include, at a minimum, the following: (1) a narrative description of the Delay and its impact on the critical path to achievement of a Substantial Completion or Final Completion of the Work or a portion of the Work designated by County within the Contract Time; (2) a Fragnet; (3) the number of Days of extension sought by Contractor as a Contract Adjustment to the Contract Time; (4) a computation of the Days of Compensable Delay multiplied times the liquidated damages payable to Contractor pursuant to Section 3.3 of the Construction Contract, if any, sought by Contractor; (5) a statement that Contractor has complied with the requirements of the General Conditions for written notice of Delays, along with the dates and copies of such notices; (6) the measures taken by Contractor and Subcontractors to prevent or minimize the Delay; and (7) Contractor's recommendations for reordering or re-sequencing the Work to avoid or minimize further Delay.

**1.1.146 Unexcused Delay.** "Unexcused Delay" means any Delay that is not a Compensable Delay or Excusable Delay or that constitutes a Compensable Delay or Excusable Delay for which Contractor is not entitled to a Contract Adjustment to the Contract Time, including, without limitation, the following: (1) Delay caused by an act or omission of Contractor or a Subcontractor, of any Tier, constituting negligence, willful misconduct, a violation of an Applicable Law or a failure by Contractor or any Subcontractor, of any Tier, to comply with the Contract Documents; (2) Delay for which Contractor has failed to provide a timely and complete Notice of Delay or Request for Extension; or (3) Delay associated with any circumstances where the costs or risk associated with such circumstances are designated in the Contract Documents as being at Contractor's risk or Contractor's Own Expense.

**1.1.147 Unilateral Change Order.** "Unilateral Change Order" means a writing signed by County in accordance with Article 7, below, in which County unilaterally sets forth its Good Faith Determination of the undisputed portion of an otherwise disputed Contract Adjustment.

**1.1.148 Unilateral Work Order.** The purpose of the Unilateral Work Order is to provide the County with a flexible procedure by which it may respond expeditiously to its needs to change project scope of time. By virtue of this clause, the County is entitled to order work and to bind the contractor to performance of the work as needed for the term of their contract. The County will issue a unilateral Change Order, to which the subject Unilateral Work Order will serve as primary back-up, as the mechanism by which the EZIQC Contract will be changed.

**1.1.149 Unit Price.** As used herein refers to the price published in the Construction Task Catalog (CTC) for a specific repair or remodeling task. The unit prices are fixed for the duration of the EZIQC. Each unit price is comprised of the Labor, Equipment and Materials costs to accomplish that specific task.

**1.1.150 Work.** "Work" means all labor, materials, equipment, services, permits, licenses, taxes and other things necessary for Contractor to perform its obligations under the Contract Documents, including, without limitation, any Changes requested by County, in accordance with the Contract Documents and all Applicable Laws. The Work may constitute the whole or a part of the Project. The Scope of Work for this EZIQC is determined by individual Work Orders issued under the Contract. The Scope of Work is the complete description of services to be provided by the Contractor under each individual Work Order. The Scope of Work will include documentation for a given Project. Documentation includes, but is not limited to, a narrative description of the work.

**1.1.151 Work Hours.** Normal Work Hours – Any eight hour shift between the hours of 7am to 5pm weekdays; Other Than Normal Work Hours – 5pm to 7 am weekdays, weekends and holidays.

**1.1.152 Worker's Compensation Certificate.** "Worker's Compensation Certificate" means the statement, completed by Bidder in the form included in the Instruction to Bidders, evidencing the Bidder's compliance with the worker's compensation insurance requirements of the Bidding Documents and Applicable Laws.

## **1.2 CORRELATION, INTERPRETATION AND INTENT OF CONTRACT DOCUMENTS**

**1.2.1 Design Intent.** The intent of the Contract Documents is for Contractor to provide all items necessary to produce a work of improvement that is complete as a whole and that is, in all of its parts, suitable for use and occupancy for its intended purpose, including, without limitation, all equipment, casework, mechanical, electrical and similar devices of whatever nature, completely installed, hooked-up and made fully operational and functional.

1.2.2 **Complementary.** Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all. Any Work called for on the Drawings and not mentioned in the Specifications, or vice versa, shall be performed as though fully set forth in both.

1.2.3 **Technical Words.** Unless otherwise stated in the Contract Documents, technical words and abbreviations contained in the Contract Documents are used in accordance with commonly understood construction industry meanings and non-technical words and abbreviations are used in accordance with their commonly understood meanings.

1.2.4 **Trade Names.** It is not the intention of the Contract Documents to go into detailed descriptions of any materials or methods commonly known to the trade under a "trade name" or "trade term." The mere mention or notation of such "trade name" or "trade term" shall be considered a sufficient notice to the Contractor that it will be required to complete the Work so named with all its appurtenances according to first-class practices of the trade.

1.2.5 **Incidental Items.** The naming of any material or equipment shall mean furnishing and installing of same, including all incidental and accessory items thereto and labor therefor, in accordance with first-class practices of the trade involved, unless specifically noted otherwise.

1.2.6 **Drawing Dimensions.** Figured, derived or numerical dimensions on scale Drawings shall govern over Drawings without figured dimensions. The Drawings shall not be scaled to determine dimensions, and (except in the case of diagrammatic Drawings) dimensions shall be calculated from figures shown on the Drawings. Obvious discrepancies between scale and figured dimensions, not marked "not to scale," must be brought to the Architect's attention before proceeding with the Work affected by the discrepancy. Contractor shall carefully check and compare all portions of the Drawings and Specifications so as to correctly interpolate the intended dimensions for any portion of the Work that is not explicitly dimensioned in the Contract Documents.

1.2.7 **Drawings, Specifications.** In general, the Drawings will show dimensions, positions, and kind of construction and the Specifications will define materials, quality and standards. Work not particularly shown, detailed, marked or specified shall be the same as similar parts that are shown, detailed, marked or specified.

1.2.8 **Typical Work.** Work not particularly shown, detailed, marked or specified shall be the same as similar parts that are shown, detailed, marked or specified.

1.2.9 **Divisions of the Work.** All the Work mentioned or indicated in the Contract Documents shall be performed by Contractor as part of the Work unless specifically indicated in the Contract Documents to be done by others. The organization of the Specifications into divisions, sections and articles and the arrangement of the Drawings shall not control Contractor in dividing the Work among the Subcontractors or in establishing the extent of the Work to be performed by the Subcontractors.

1.2.10 **Applicable Laws.** Compliance with Applicable Laws shall be considered as a part of the Work.

1.2.11 **Interpretations of Laws.** In the event of a conflict between or among Applicable Laws governing performance of the Work, the more stringent shall govern. Contractor assumes, at Contractor's Own Expense, sole responsibility for, and the risk associated with, interpretations of Applicable Laws made by Contractor not predicated on written orders issued by Governmental Authorities that by their terms are applicable to the Project, including, without limitation, interpretations or assumptions made by Contractor based on decisions, orders or approvals (written or unwritten) issued by or on behalf of Governmental Authorities in connection with work on other projects or properties near or in the general vicinity of the Site.

1.2.12 **Modifiers.** The Contract Documents may omit modifying words such as "all" and "any," and articles such as "the" and "an." If a modifier or an article is not included in one statement and appears in another, it is not intended to affect the interpretation of either statement. The use of the word "including," when following any general statement, shall not be construed to limit such statement to specific items or matters set forth immediately following such word or to similar items or matters whether or not non-limiting language (such as "without limitation,"

"but not limited to," or words of similar import) is used with reference thereto, but rather shall be deemed to refer to all other items or matters that could reasonably fall within the broadest possible scope of such general statement.

**1.2.13 Singular, Gender, Captions.** When appropriate to the context, the use of the singular number shall be deemed to include the plural and vice versa. Each gender shall be deemed to include any other gender, and each shall include corporation, partnership, trust or other legal entity whenever the context so requires. The captions and headings of the various subdivisions of the Contract Documents are intended only as a matter of reference and convenience and in no way define, limit, or prescribe the scope or intent of the Contract Documents or any subdivision thereof.

**1.2.14 Cross-References.** Any cross-references indicated between various paragraphs or other portions of the Specifications, Drawings or other Contract Documents are provided for the convenience of Contractor and shall not be deemed to be all-inclusive.

**1.2.15 Diagrammatic Design.** Drawings and diagrams for mechanical, plumbing, electrical, fire sprinkler, fire alarm and low voltage Work shall be considered as diagrammatic only and shall not be used for any structural guidance or physical layout. Because such Drawings are diagrammatic, Contractor shall be responsible to provide any and all numbers and lengths of fittings, wire, conduit, connections, attachments or similar materials or devices needed to complete the Work, without Contract Adjustment, whether or not they exceed the numbers of pieces or the lengths indicated by such Drawings. Contractor is solely responsible to carefully plan and coordinate in advance, by means of coordination drawings prepared by Contractor or a Subcontractor, the installation of any Work shown diagrammatically and shall do so in such a manner as to make maximum use of the space available and anticipate and avoid wherever possible conflict and interferences among such portions of the Work and with other portions of the Work, including structural members.

**1.2.16 Demolition.** Existing Improvements at the Site of which no specific description is made in the Contract Documents, but which could be reasonably assumed to interfere with the satisfactory completion of the Work, shall be removed and disposed of by Contractor without Contract Adjustment. If Contractor is unsure whether a specific Existing Improvement at the Site which is not specifically described in the Contract Documents should be removed and disposed of, Contractor shall promptly ask the County whether such Existing Improvement is to be removed or remain in place, and shall comply with any directive given in response.

**1.2.17 Omissions.** Items missing from the Contract Documents shall nevertheless be provided by the Contractor, without Contract Adjustment, to the extent reasonably inferable from the Contract Documents as being necessary to satisfy the Design Intent.

**1.2.18 Conflicts.** Notwithstanding the provisions of Paragraph 1.2.19, below, in the event of conflict between any of the Contract Documents, the provision placing a more stringent requirement or greater burden on the Contractor or requiring the greater quantity or higher quality material or workmanship shall prevail, unless otherwise directed by the County in writing.

**1.2.19 Order of Precedence.** Conflicts that cannot be resolved in accordance with the rules of interpretation set forth elsewhere in this Section 1.2, shall be interpreted in accordance with the following order of precedence (the first being the highest order of precedence):

- .1** Applicable Laws (provided, however, and notwithstanding Subparagraph 1.2.19.10, below, where the Contract Documents or manufacturer's recommendations or specifications require standards higher than those of Applicable Laws, the Contract Documents or manufacturer's recommendations or specifications shall control);
- .2** Supplemental Work Orders; Change Orders, Unilateral Change Orders and Construction Change Directives;
- .3** Addenda;
- .4** Work Order
- .5** EZIQC Contract;

.6 EZIQC General ConditionsEZIQC Supplementary General Conditions;

.7 ;

.8 General Requirements;

.9 Specifications;

.10 Drawings, subject to the following: (1) large scale plans and details take precedence over small scale Drawings in all cases; (2) full scale Drawings have precedence over both large and small scale Drawings in all cases; (3) detailed Plans and/or Drawings shall have precedence over general Plans and/or Drawings; (4) architectural and structural Drawings take precedence over electrical and mechanical Drawings in regard to location and arrangement of fixtures, outlets, and equipment; and (5) electrical and mechanical Drawings take precedence in describing and specifying equipment and in describing the diagrammatic requirements;

.11 standard and reference specifications which include industry norms, such as, but not limited to, ANSI and ASTM; and

.12 Reference Documents.

1.2.20 **Conditions Precedent.** Wording used in the Contract Documents indicating that a right of the Contractor or an obligation of the County is subject to or conditioned upon the occurrence of a condition or event, whether or not such condition or event is within the control of Contractor, County or others and whether or not such condition or event is expressly stated to be a "condition precedent", shall be understood and interpreted to mean that the stated condition or event is a condition precedent to the existence, arising, performance and exercise of such right or obligation.

### 1.3 OWNERSHIP AND USE OF DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

1.3.1 **Property of County.** Subject to the provisions of Paragraph 2.4.4, below, all Design Documents, Contract Documents and Project Documents that are prepared by Contractor or a Subcontractor, of any Tier, for use in connection with the Project, including any designs, building designs or other depictions underlying or shown in them, and the Intellectual Property Rights thereto, shall be deemed the sole and exclusive property of County and ownership thereof is irrevocably vested in County, whether the Project is executed or not.

1.3.2 **Assignment of Rights.** Contractor shall, without further consideration, obtain any and all Intellectual Property Rights in the Project Documents and Design Documents prepared by Contractor or any Subcontractor, of any Tier, for use in connection with the Project, including any designs, building designs or other depictions underlying or shown in them, free and clear of any liens or other encumbrances, claims or rights of third parties, transfer such rights, if necessary in writing, to County and cooperate with County in securing and registering such rights, such that County shall own all Intellectual Property Rights and any other tangible and/or intangible property rights associated therewith. Such transfer and assignment will be effective for the entire duration of the copyrights and include, but are not be limited to, all rights in related plans, specifications, documentation, derivative works and moral rights.

1.3.3 **Contractor's Warranty.** Contractor represents and warrants that the Project Documents and Design Documents prepared by Contractor or any Subcontractor for use on the Project, and the use of such Project Documents in the ordinary course, are free of any claim of infringement or any other violation of any Intellectual Property Right or other right of any third party.

1.3.4 **Non-Exclusive License.** Without derogation of County's rights under this Section 1.3, Contractor and Subcontractors, of every Tier, are granted a limited, non-exclusive license, revocable at will of County, to use and reproduce applicable portions of the Design Documents, Contract Documents and Project Documents as appropriate to and for use in the execution of the Work and for no other purpose.

1.3.5 **Reproduction.** Contractor shall do all reproduction and distribution of such reproducible prints of Contract Documents and Design Documents as are necessary for the complete pricing and performance of the Work, including, without limitation, all Changes. The costs of such reproduction shall be at Contractor's Own Expense.

1.3.6 **Delivery to County.** All Design Documents and Contract Documents (including originals and copies), and one (1) copy of all other Project Documents, in the possession of Contractor or Subcontractors shall be delivered to County upon the earlier of Final Completion of the Work or termination of the Construction Contract; provided, however, that Contractor shall have the right to retain one (1) copy of the Contract Documents and Submittals as a permanent record.

1.3.7 **Subcontractors.** Contractor shall take all necessary steps to ensure that a provision is included in all contracts with Subcontractors, of every Tier, who perform Work on the Project protecting and preserving County's rights as set forth in this Section 1.3.

**ARTICLE 2  
COUNTY RIGHTS AND OBLIGATIONS**

**2.1 INFORMATION, APPROVALS AND SERVICES REQUIRED OF COUNTY**

2.1.1 **Legal Descriptions.** County shall furnish, within a reasonable time after written request by Contractor, a legal description of the Site and information describing legal limitations affecting the Site that are recorded with applicable Governmental Authorities, such as, but not limited to, easements.

2.1.2 **Permits and Fees.** County shall secure and pay for only those permits and fees which are expressly stated to be the responsibility of County under the Contract Documents. County shall pay for all hook-up fees (not including "tap fees", which are the responsibility of Contractor pursuant to Paragraph 3.14.3, below) in order to establish a new account with a utility provider.

2.1.3 **County Approvals.** Information, approvals and decisions required of County or a County Consultant for which a County Review Period or County Review Date is included in the Construction Schedule that is approved by County shall be provided in accordance with the Construction Schedule. If a County Review Period or County Review Date is not set forth in the Construction Schedule approved by County, then such information, approvals and decisions shall be provided upon written request by Contractor without unreasonable Delay. Notwithstanding the foregoing, failure by County, Architect or a County Consultant to provide any information, approvals or decisions shall not be considered as a basis for Contract Adjustment to the Contract Time unless and until, and in calculating a Contract Adjustment any Delay or extension of the Contract Time resulting from a late-issuance of such information, approval or decision shall not commence until after:

.1 in the case of information, approval or decision for which there is a County-approved County Review Period or County Review Date in the County-approved Construction Schedule, seven (7) Days have passed since the County and the individual from whom such information, approval or decision is sought have received from Contractor a written notice containing all the following:

- (1) a detailed description of the information, approval or decision required;
- (2) a statement that the County Review Period or County Review Date has expired or passed; and
- (3) a statement, prominently displayed, that: "PURSUANT TO PARAGRAPH 2.1.3 OF THE GENERAL CONDITIONS, THE FAILURE TO PROVIDE THE REQUESTED INFORMATION, APPROVAL OR DECISION WITHIN 7 CALENDAR DAYS FROM THIS NOTICE MAY RESULT IN A REQUEST FOR A CONTRACT ADJUSTMENT"; or

.2 in the case of information, approval or decision for which there is no County Review Period or County Review Date set forth in the County-approved Construction Schedule, thirty (30) Days have passed since the County and the individual from whom such information, approval or decision is sought have received from Contractor

a written notice that includes the statements set forth Clauses (1) and (2) of Subparagraph 2.1.3.1, above, and that includes a statement, prominently displayed, that: "PURSUANT TO PARAGRAPH 2.1.3 OF THE GENERAL CONDITIONS, THE FAILURE TO PROVIDE THE REQUESTED INFORMATION, APPROVAL OR DECISION WITHIN 30 CALENDAR DAYS FROM THIS NOTICE MAY RESULT IN A REQUEST FOR A CONTRACT ADJUSTMENT".

**2.1.4 Approvals.** Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by the activities or duties of County, Architect or any other Project Team member, or by tests, inspections or approvals required or performed by persons other than the Contractor.

**2.1.5 Non-Specified Items.** County reserves the right to approve materials and sources of supply of materials that are not specified in the Contract Documents and that are used for the performance of the Work.

## **2.2 COUNTY'S RIGHT TO STOP THE WORK**

If Contractor fails to correct Defective Work as required by Section 13.2 of these General Conditions, fails to perform the Work in accordance with the Contract Documents or violates any Applicable Law, County may immediately order Contractor to stop the Work, or any portion thereof, until the cause for such direction has been eliminated by Contractor. Contractor shall immediately comply with such notice at Contractor's Own Expense. Nothing stated herein or elsewhere in the Contract Documents shall be interpreted as placing upon County a duty or responsibility to Contractor or any other party to exercise its right to stop the Work.

## **2.3 COUNTY'S RIGHT TO CARRY OUT THE WORK**

If Contractor fails to carry out the Work in accordance with the Contract Documents, fails to provide sufficient labor, materials, equipment, tools and services to maintain the Construction Schedule, or otherwise fails to comply with any requirement of the Contract Documents, and fails to cure such failure in the manner required by Subparagraph 15.1.1.4, below, County may correct such failure. In such case, County shall be entitled to recover from Contractor or deduct from payments then or thereafter due Contractor for any Loss resulting from such failure, including compensation for the additional services and expenses of County, County Consultants and others whose services are reasonably required and made necessary thereby. If payments then or thereafter due Contractor are not sufficient to cover such amounts, Contractor shall promptly pay the amount of the shortfall to County.

The County may, by written notice to the Contractor, terminate the right to proceed with the Work or any separable part of the Work. In this event, the County may take over the Work and complete it by contract or otherwise, and may take possession of and use any materials, appliances, and plant on the site necessary for completing the Work. The Contractor and Contractor's sureties shall be liable for any damage to the County resulting from events of the default, whether or not the Contractor's right to proceed with the Work is terminated. This liability includes any increased costs incurred by the County in completing the Work.

## **2.4 ACCOUNTING, RECORDS AND AUDIT**

**2.4.1 Accounting System.** Contractor shall exercise such controls as may be necessary for proper financial management of the Work. Such accounting and control systems shall comply with prevailing custom and practice for similar projects, be satisfactory to County and shall include preservation of the books and records described in Paragraph 2.4.2, below, subject to Contractor's obligations under Paragraph 1.3.6, above, for a period of ten (10) years after Final Completion of the Work, or for such longer period as may be required by Applicable Laws.

**2.4.2 Books and Records.** Contractor shall keep, and shall require provisions to be included in all contracts entered into by Subcontractors, of every Tier, requiring the Subcontractors, of every Tier, to keep, full and detailed books, records, information, materials and data, of every kind and character (hard copy, as well as computer readable data if it exists) that have any bearing on or pertain to any matters, rights, duties or obligations relating to the Project and all associated Work Orders, Work or Construction, including, without limitation, agreements, purchase orders, leases, contracts, commitments, arrangements, notes, estimates, field orders, construction change directives, schedules, requests for information, diaries, logs, reports, shop drawings, samples, exemplars, drawings, specifications, invoices, delivery tickets, receipts, vouchers, cancelled checks, memoranda, accounting records; job cost reports, job cost files (including complete documentation of negotiated settlements), backcharges, general



ledgers; documentation of cash and trade discounts earned, insurance rebates and dividends, and other documents relating in any way to any claims, charges or time extensions asserted by Contractor or any of the Subcontractors, of any Tier, or relating to any credits, rebates or discounts owing to County.

**2.4.3 Inspection and Copying.** Contractor shall allow, and shall require provisions to be included in all contracts and Work Orders entered into by Subcontractors, of every Tier, allowing, County and the auditor for the State of California (and the authorized representative(s), auditors, attorneys and accountants of each) upon twenty-four (24) hours notice to Contractor, full access to inspect and copy all its aforesaid books and records at a location within the Southern California area. Such right of audit may be exercised by either County or the auditor for the State of California as often as reasonably necessary to verify Contractor's continuing compliance with the Contract Documents.

**2.4.4 Confidential Information.** Nothing stated in this Section 2.4 or elsewhere in the Contract Documents shall be interpreted as a waiver by Contractor or any Subcontractor of any rights of privilege or confidentiality that are provided for by Applicable Law nor as authorizing the inspection of books and records that contain information concerning estimating means or methods that is not, in whole or part, relevant to a charge or demand being asserted by Contractor or a Subcontractor involving Extra Work, Deleted Work, Delay or a Claim.

**2.4.5 Withholding of Payment.** In addition to and without limitation upon County's other rights and remedies for breach, including any rights of County to withhold payment that are set forth elsewhere in the Contract Documents, County shall have the right, exercised in its sole discretion, to withhold from any payment due to Contractor under an Application for Payment a sum of up to ten percent (10%) of the total amount set forth in such Application for Payment until Contractor and the Subcontractors have complied with any outstanding and unsatisfied obligation under this Section 2.4. Upon compliance with this Section 2.4, any such monies withheld shall be released to Contractor.

**2.4.6 Specific Performance.** Contractor agrees that any failure to provide access to books and records as required by this Section 2.4 will result in irreparable harm and prejudice to County and shall, without the necessity of posting of any bond or undertaking, be specifically enforceable by means of a mandatory injunctive order (temporary, preliminary, provisional or otherwise) issued by a court of competent jurisdiction, which order the County and Contractor hereby consent to being issued based upon affidavits and without the necessity of oral testimony.

## **2.5 COUNTY FURNISHED MATERIALS**

**2.5.1 Supply by County.** County shall have the right to furnish materials, products or equipment directly for processing and incorporation by Contractor in lieu of Contractor providing materials, products or equipment specified in the Contract Documents to be provided by Contractor as part of the Work.

**2.5.2 Deleted Work.** If the materials, products or equipment are provided by County pursuant to Paragraph 2.5.1, above, then a Supplemental Work Order and associated Change Order shall be executed deleting such materials, products or equipment from the Work thereby offsetting the value of the original Work Order Amount and reducing the County's cost in the manner provided for in Article 7, below, applicable to Contract Adjustments for Deleted Work.

**2.5.3 Delivery Deadlines.** Without limitation to Contractor's obligations under Article 8, below, upon receipt of written instruction by County of its intent to provide materials, products or equipment pursuant to this Section 2.6, Contractor shall notify County promptly in writing of any deadlines within which such materials, products or equipment must be received at the Site in order to avoid Delay.

**2.5.4 Delivery to Site.** Contractor shall, upon their delivery to the Site, properly receive and unload materials, products or equipment furnished by County pursuant to this Section 2.5.

**2.5.5 Care, Custody and Control.** Contractor assumes full and unconditional responsibility for care, custody and control of the materials, products or equipment that are furnished by County pursuant to this Section 2.5, whether or not they have been accepted by County, and assumes sole responsibility for any subsequent loss, injury or damage thereto occurring prior to Final Completion.

2.5.6 **Notice of Deficiencies.** Contractor shall carefully inspect any materials, products or equipment furnished by County pursuant to this Section 2.5 and immediately notify County of any defect or deficiency in such materials, products or equipment or any nonconformity in such materials, products or equipment with the requirements of the Contract Documents or with the requirements of the other documentation provided to Contractor setting forth the conditions of County's purchase. Contractor shall not accept any materials, products or equipment furnished by County with respect to which Contractor has provided such notice of defect, deficiency or non-conformity unless and until instructed to do so in writing by County.

2.5.7 **Incorporation in Work.** Contractor shall, as part of the Work and without Contract Adjustment, provide any and all processing, fabrication, cutting, shaping, fitting, assembly and installation of materials, products or equipment furnished by County pursuant to this Section 2.5 in full compliance with the requirements of the Contract Documents and the manufacturer's instructions and recommendations.

## 2.6 COUNTY INSTALLED ITEMS

Contractor shall notify County, a reasonable time in advance, of the Contractor's scheduled dates for installation of items that are specified in the Contract Documents to be placed on, attached to or incorporated into the Work by County or Separate Contractors. In the event that Contractor fails to do so or if due to Unexcused Delay the County is unable after such notice by Contractor to so place, affix or incorporate such items, then Contractor shall be responsible, in addition to any amounts due to County for liquidated damages, to reimburse County for costs of storage or rental of temporary replacement items until such time as the Work is in a condition suitable for such items to be placed, affixed or incorporated.

## 2.7 COUNTY'S ADDITIONAL RIGHTS

The rights stated in this Article 2 are in addition to and not in limitation of any other rights of County granted elsewhere in the Contract Documents or under Applicable Laws.

# ARTICLE 3 CONTRACTOR PERFORMANCE

## 3.1 CONTRACTOR STATUS

3.1.1 **Independent Contractor.** Contractor is, and shall at all times be deemed to be, an independent contractor and is wholly responsible for the performance of the obligations required of it by the terms of the Contract Documents.

3.1.2 **Agents, Employees.** Contractor wholly assumes responsibility for the acts and omissions of its agents and employees and the agents and employees of each Subcontractor, of every Tier, as they relate to the Work. Contractor, its agents and employees, shall not be entitled to any rights or privileges of County's employees and nothing contained in the Contract Documents and no course of conduct shall be construed as creating the relationship of employer and employee, or principal and agent, between County and any agent or employee of Contractor or any Subcontractor. County shall have the right, but not the obligation, to monitor the employment and other activities of Contractor and the Subcontractors to determine compliance with the terms of the Contract Documents.

3.1.3 **Licenses.** Contractor and the Subcontractors, of every Tier, shall maintain, such contracting, professional and business licenses as may be required by Applicable Laws for the duration of time that Contractor is performing the Work under the Contract Documents, including the period of any warranty provided covering all or any portion of the Work.

3.1.4 **Subcontractors.** Contractor is responsible to County for acts and omissions of the Subcontractors and their agents and employees and other persons performing portions of the Work under a contract with a Subcontractor, of any Tier.

3.1.5 **Design Services.** Contractor shall provide professional services if such services are expressly, or by reasonable implication, required by the Contract Documents for a portion of the Work or are required

in order for Contractor to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Professional design services or certifications so required of Contractor shall be furnished by design professionals exercising the highest standard of care and utilizing designs and engineering that comply with all systems, materials or equipment, performance and design criteria set forth in the Contract Documents. Certification by a properly licensed design professional, including such professional's signature and seal, shall appear on all drawings, calculations, specifications, certifications and other documents prepared by such professional. Submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted. County, Architect and County Consultants shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals.

### 3.2 REVIEW OF DOCUMENTS, SITE AND EXISTING IMPROVEMENTS

3.2.1 **Contractor's Duty of Review.** Contractor's submission of its Bid and execution of the NJPA Indefinite Quantity Construction Agreement constitutes its representation, acknowledgement and agreement that it had sufficient time, access and opportunity prior to the Bid Closing Deadline to conduct a careful and thorough examination, to its satisfaction, of:

.1 the Bidding Documents, Contract Documents, Reference Documents and other information provided by NJPA to Contractor prior to the Bid Closing Deadline concerning the application and use of the Construction Task Catalog & Specifications (CTC & Specs) in determining the Contractor's ability to successfully perform work under this EZIQC Contract, including but not limited to proper use of detailed line items in the CTC and calculation of associated pricing commensurate with the Contractor's means and methods, in determining the bid factors.

.2 the visible conditions at the Site associated with this EZIQC Contract and associated Work Order and its surroundings, visible conditions of Existing Improvements and their existing uses by County or the public, routes of ingress and egress, and local conditions in the vicinity of the Site (including, without limitation, sources and availability of labor, materials and equipment);

.3 the status of any construction at the Site associated with this EZIQC Contract and associated Work Order concurrently under construction; and

.4 all information concerning visible and concealed conditions above and below the surface of the ground at the Site associated with this EZIQC Contract and associated Work Order and in Existing Improvements (including, without limitation, surveys, reports, data, as-built drawings of Existing Improvements and utility sources, capacities and locations) that was either (1) provided by County to Contractor or other Bidders (including, but not limited to, the Bidding Documents and Reference Documents).

#### 3.2.2 Contract Adjustments.

.1 **Differing Site Conditions.** Except as otherwise provided in Subparagraph 3.2.3, below, the Contractor's right to a Supplemental Work Order in the event Contractor encounters conditions at the Site or in Existing Improvements that vary from those indicated by the Contract Documents, original Work Order or other information that was either reviewed by Contractor or that Contractor was given the opportunity to review prior to the Work Order Deadline shall be governed exclusively by Paragraph 4.3.8, below, pertaining to Differing Site Conditions.

.2 **Design Discrepancies.** Except as otherwise provided in Subparagraph 3.2.3, below, and subject to the Contractor's compliance with the other provisions of the Contract Documents governing the Contractor's right to a Contract Adjustment (including, without limitation, Article 7 and Article 8, below), Contractor shall be entitled to a Supplemental Work Order due to Design Discrepancies, subject to the following conditions and limitations:

(1) **Compensable Change.** There shall be no Supplemental Work Order to the Contract Price for Extra Work that the Contractor is required to perform as a result of a Design Discrepancy unless all of the following conditions have been met prior to Contractor or any Subcontractor performing any portion of the Work involving or affected by such Design Discrepancy:

(a) the circumstances giving rise to such Extra Work conform to all of the requirements of Subparagraph 1.1.29.2 through Subparagraph 1.1.29.4, above, applicable to Compensable Changes;

(b) Contractor has submitted to County and Architect a Request for Information in compliance with Paragraph 3.2.5, below, seeking clarification of such Design Discrepancy;

(c) Contractor has submitted to County a timely and complete Notice of Change in accordance with Article 7, below, describing such Extra Work in detail;

(d) Contractor has received a Construction Change Directive and associated Supplemental Work Order signed by County in accordance with Article 7, below, directing that Contractor perform the portion of the Work in question; and

(e) unless otherwise provided in such Construction Change Directive, Contractor has submitted to County a Supplemental Work Change Order and/or Change Request in accordance with the requirements of Article 7, below, setting forth the particulars of its request for Contract Adjustment via a Supplemental Work Order on account of such Extra Work.

**(2) Compensable Delay.** There shall be no Supplemental Work Order to the Work Order Amount or Work Order Time for Delay as a result of a Design Discrepancy unless all of the following conditions have been met prior to Contractor or any Subcontractor performing any portion of the Work involving or affected by such Design Discrepancy:

(a) if the Delay is the result, in whole or in part, of Extra Work, all of the requirements of Subparagraph 3.2.2.2 (1), (a) through (e), above, have been met;

(b) the circumstances giving rise to such Delay conform to all of the requirements of Subparagraph 1.1.30.2 and Subparagraph 1.1.30.3, above, applicable to Compensable Delay; and

(c) Contractor has submitted to County a timely and complete Notice of Delay and a timely and complete Request for Extension in accordance with Article 8, below, setting forth the particulars of its request for a Supplemental Work Order on account of such Compensable Delay.

**(3) Differing Site Conditions.** The Contractor's right to a Supplemental Work Order as a result of variances between (a) the Contract Documents or other documents or information described in Paragraph 3.2.1, above, that, prior to the Work Order Approval was either reviewed by Contractor or was available to Contractor for review prior to the Work Order Approval and (b) conditions at the Site or in Existing Improvements shall, notwithstanding the fact that the circumstances asserted by Contractor as a basis for such Work Order and or Supplemental Work Order Adjustment may involve, relate to or arise out of a Design Discrepancy, be governed by the provisions of the Work Order Contract Documents setting forth the Contractor's right to Work Order and or Supplemental Work Order Adjustments on the grounds of Differing Site Conditions.

### **3.2.3 WAIVER BY CONTRACTOR.**

**CONTRACTOR AGREES THAT IT SHALL NOT BE ENTITLED TO, AND HEREBY CONCLUSIVELY WAIVES, ANY RIGHT TO CONTRACT ADJUSTMENT, AS WELL AS THE RIGHT TO ANY OTHER OR FURTHER RECOURSE OR RIGHT OF RECOVERY FROM COUNTY, ON ACCOUNT OF LOSSES OR DELAYS THAT ARE A RESULT OF EITHER A DIFFERING SITE CONDITION OR A DESIGN DISCREPANCY, IF PRIOR TO THE WORK ORDER APPROVAL SUCH DIFFERING SITE CONDITION OR DESIGN DISCREPANCY WAS:**

**(1) DISCOVERED BY CONTRACTOR AND CONTRACTOR, NOTWITHSTANDING SUCH DISCOVERY, FAILED TO REPORT SUCH DIFFERING SITE CONDITION OR DESIGN DISCREPANCY TO COUNTY IN WRITING PRIOR TO THE WORK ORDER APPROVAL;**

**(2) ALTHOUGH NOT ACTUALLY DISCOVERED BY CONTRACTOR PRIOR TO THE WORK ORDER APPROVAL WAS REASONABLY DISCOVERABLE BY CONTRACTOR UNDER THE STANDARD**

**OF PERFORMANCE SPECIFIED IN THE CONSTRUCTION CONTRACT, INCLUDING, WITHOUT LIMITATION, A DIFFERING SITE CONDITION OR DESIGN DISCREPANCY THAT WAS OVERLOOKED BY CONTRACTOR DUE TO A FAILURE BY CONTRACTOR TO FULLY FAMILIARIZE ITSELF PRIOR TO THE WORK ORDER APPROVAL DEADLINE WITH ANY OF THE DOCUMENTS, INFORMATION OR CONDITIONS REFERRED TO IN PARAGRAPH 3.2.1, ABOVE.**

**3.2.4 Continuing Obligation.** In addition and without limitation to Contractor's obligations under Paragraph 3.2.1, above, or elsewhere in the Contract Documents, Contractor shall have the continuing obligation until Final Completion to promptly report to County, by means of submission by Contractor of a Request for Information that complies with the requirements of Paragraph 3.2.5, below, any and all of the following:

**.1** information contained in the Bidding Documents, Contract Documents, Reference Documents or other documentation that was either reviewed by Contractor or that Contractor was given the opportunity to review prior to the Work Order approval, as well as any visible conditions at the Site, in Existing Improvements or in the vicinity of the Project, that Contractor knows, or in the exercise by Contractor of its duties under the Standard of Performance should have known, may render a portion of the Work in any respect, wholly or partially, unsuitable or incomplete to meet the requirements of the Contract Documents, the Design Intent or Applicable Laws, and

**.2** conditions in the Work that constitute Defective Work or that cause or are likely to cause any other portion of the Work to be Defective Work.

Without limitation to County's other rights under the Contract Documents, any portion of the Work, Existing Improvements or the work of Separate Contractors or County's own forces requiring replacement, repair or correction due to a failure by Contractor or any Subcontractor, of any Tier, to comply with its continuing obligation under this Paragraph 3.2.4 shall be promptly replaced, repaired or corrected to County's satisfaction, at Contractor's Own Expense.

**3.2.5 Requests for Information.**

**.1 Time for Submittal.** Requests for Information shall be submitted no later than three (3) Days after the date Contractor learns of the circumstances giving rise to the question contained in the Request for Information. Requests for Information shall be submitted by or through the Contractor and not directly by Subcontractors.

**.2 Content.** Each Request for Information shall, in addition to the Contractor's specific question or request, include the following:

**(1)** a detailed description of the circumstances giving rise to the Contractor's request or question, including, without limitation, any related Design Discrepancy;

**(2)** Contractor's request for clarification, including, without limitation, any request for further detailing or correction of the Contract Documents; and

**(3)** a statement of whether Contractor believes it is entitled to a Contract Adjustment by reason of the circumstances described.

**.3 Form.** Contractor shall submit Requests for Information using forms provided or approved by County.

**.4 Unnecessary, Multiple Requests.** Contractor shall carefully review, coordinate and consolidate (where appropriate to prevent piecemeal submission) Requests for Information (whether originating with Contractor or the Subcontractors) prior to submitting them in order to eliminate unnecessary or duplicative requests.

**.5 Responses.** Responses to Requests for Information shall be furnished with reasonable promptness so as to not unreasonably Delay progress of the Work; provided, however, that the timing of a response

by the Architect, County or a County Consultant to a Request for Information shall not constitute grounds for a Contract Adjustment unless Contractor has complied with the requirements set forth in this Paragraph 3.2.5 and, if applicable, Paragraph 2.1.3, above.

**.6 Back Charges by County.** County shall have the right to deduct from payments due to Contractor sums expended by County for the services of the Architect, Inspectors of Record or County Consultants due to a failure by Contractor to comply with this Paragraph 3.2.5.

### **.7 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO SUBMIT A REQUEST FOR INFORMATION IN ACCORDANCE WITH AND UNDER CIRCUMSTANCES IN WHICH A REQUEST FOR INFORMATION WAS REQUIRED BY THIS PARAGRAPH 3.2.5 SHALL RESULT IN CONTRACTOR WAIVING ITS RIGHT TO A CONTRACT ADJUSTMENT ON ACCOUNT OF ANY LOSS OR DELAY THAT COULD HAVE BEEN AVOIDED IF SUCH REQUEST FOR INFORMATION HAD BEEN PROPERLY PREPARED AND TIMELY SUBMITTED.**

**3.2.6 Correction of Work.** Contractor shall, at Contractor's Own Expense, correct or replace in accordance with the direction of County any portion of the Work that is performed by Contractor or a Subcontractor knowing that it involves, or that Contractor or Subcontractor in the exercise of reasonable care and diligence should have known involves, a portion of the Contract Documents that contains an error, omission, conflict, ambiguity, lack of coordination or noncompliance with Applicable Laws, without first notifying and obtaining the written approval of County and Architect.

### **3.3 SUPERVISION AND CONSTRUCTION PROCEDURES**

**3.3.1 General Obligation.** Contractor shall provide competent, fully qualified personnel to supervise, administer, manage and direct the Work, competently and efficiently, at all times devoting their best skill and attention to perform the Work in accordance with the Contract Documents.

**3.3.2 Supervisory Staff.** Contractor shall employ a competent project manager, superintendent, scheduler, forepersons and necessary assistants during performance of the Work. Contractor's superintendent and forepersons shall be present at the Site at all times that the Work is in progress and at any time that any employee of Contractor or a Subcontractor is present at the Site. Contractor's project manager and superintendent shall, unless excused from attendance by the County, attend all job meetings. Contractor's project manager and superintendent must be able to fluently read and write in English. Contractor's superintendent shall not perform the Work of any trade, pick up materials, or perform any Work not directly related to the supervision of the Work and shall be available twenty-four (24) hours a Day, seven (7) Days a week, to respond to emergencies.

**3.3.3 County Supplementary Personnel.** Without limitation upon any of the rights or remedies of the County under the Contract Documents or under Applicable Laws, in the event that Contractor fails to have personnel on Site to supervise the Work, the County shall have the right, but not the obligation, upon twenty-four (24) hours' telephonic or email notice by the County to Contractor, to provide such supervision on a temporary basis and to deduct from the sums owing to Contractor the actual costs of such temporary supervision. Contractor shall, notwithstanding the County's providing such temporary supervision, remain solely responsible for all actions and omissions of its personnel and of the Subcontractors.

**3.3.4 Means, Methods, Procedures.** Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and coordinating all portions of the Work, unless the Contract Documents specify other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, Contractor shall nonetheless be fully and solely responsible for the adequacy and safe implementation of such means, methods, techniques, sequences or procedures. If Contractor believes that such specified means, methods, techniques, sequences or procedures may not be safe or adequate, Contractor shall give written notice to County and Architect and shall not proceed with that portion of the Work without further written instruction from County or Architect. In response to such notice, County may order Contractor to improve the character or increase the efficiency of the means, methods, techniques, sequences or procedures employed, and Contractor shall conform to such order; but the failure of County to order such improvement or increase of efficiency will neither relieve Contractor from its

sole responsibility for safety at the Site nor relieve Contractor from its obligation to perform the Work in accordance with the Contract Documents and Applicable Laws.

**3.3.5 Ordering Procedures:**

**.1** As the need exists for performance under the terms of the EZIQC Program, the County will notify the Gordian Group Project Manager (Gordian PM) of a proposed Work Order Project.

**.2** Upon receipt of this notification, the Gordian PM shall work with the County representative to select a Contractor with a current, approved NJPA Indefinite Quantity Construction Agreement who is best suited and able to respond to the needs of the County within two working days by:

- (1) Establishing verbal contact with the County and the Gordian PM to further define the scope of the proposed Work Order, and
- (2) Visiting the proposed work site in the company of a County representative and the Gordian PM, and participating in the conduct of a scope validation site visit and conference which will include discussion and establishment of the following:
  - .1 Project number and title
  - .2 Existing site conditions
  - .3 Methods and alternatives for accomplishing work
  - .4 Definition and refinement of requirements
  - .5 Detailed scope of work
  - .6 Requirements for plans, sketches, shop drawing etc.
  - .7 Tentative work schedules
  - .8 Preliminary quantity estimates
- (3) Upon completion of the scope validation meeting, the Gordian PM will issue a Request for Proposal which requires that the Contractor prepare a proposal for the Work under consideration.
- (4) The Contractor will prepare the Proposal, which shall include but not be limited to the following:
  - .1 Firm fixed price proposal
  - .2 Schedule in a form as required by the County.
  - .3 Subcontractor list including the price to be paid to each subcontractor and any shop drawings or other information required for the County to be able to review the price proposal.
- (5) Processing Time Limits
  - (a) Request for Proposal Submittal: The Contractor shall submit the Proposal for the Project on or before the due date stated in the Request for Proposal (RFP). Time shall be 14 days maximum unless otherwise specified.
  - (b) Request for Information Submittal: The Contractor shall make a thorough analysis of each proposed Job Order and submit all Requests for Information (RFI's) within 7 days after issuance of any RFP. Submission of RFI's shall in no way extend the proposal due date unless deemed necessary by the County's Project Manager and the Gordian PM.

(c) Proposal Review: Contractor's project manager or agent shall be available for proposal review meetings within 24 hours of being notified by the County (via faxes, e-mail, telephone, etc.). After review of the Proposal, the Contractor shall remove all inappropriate line items and adjust quantities as directed by the County's Project Manager and the Gordian PM.

(d) Revised Proposal: The Contractor shall submit a revised Proposal within 24 hours of proposal review meeting (unless otherwise specified). Upon review of a revised Proposal, the Contractor shall remove all line items or adjust quantities deemed inappropriate by the County's Project Manager and re-submit the Proposal with 24 hours. No new line items may be added to the Proposal. No quantities increased or added modifiers will be accepted unless agreed to by the County during any needed second proposal review meeting.

(e) Enforcement: Processing time limits described herein are of the essence to all EZIQC Contracts. Failure to comply with these time limits may result in termination of the subject EZIQC Contract.

(6) Pre-priced work requirements: Pre-priced work requirements will identify the type and number of work units required from the Construction Task Catalog. The price per unit set forth in the Construction Task Catalog shall serve as the base price for the purpose of the operation of this article. The Contractor's Proposal shall include support documentation to indicate that adequate engineering and planning for the requirement has been done, and that the work units proposed are reasonable for the tasks to be performed. Documentation to be submitted with the Proposal shall include, but not be limited to, drawings, calculations, catalog cuts, specifications, and architectural renderings.

(7) Non-Prepriced Work Requirements: Units of work not included in the Construction Task Catalog but within the general scope and intent of this EZIQC Contract may be negotiated into this EZIQC Contract as needs arise. Such work requirements shall be incorporated into and made a part of this EZIQC Contract and the Work Order to which they pertain, and may be incorporated into the Construction Task Catalog if determined appropriate by the NJPA at the base price determined in this article. Non-prepriced work requirements shall be separately identified and submitted in the Work Order proposal. Information submitted in support of non-prepriced work shall include, but not be limited to, the following:

- .1 Complete specifications and technical data, including work unit content, work unit costs data, quality control and inspection requirements.
- .2 Work schedule, this will include an update for other projects concurrently under construction and how these projects will affect the new project.
- .3 Pricing data submitted in support of non-prepriced work units shall include a cost or price analysis report, establishing; the basis for selecting the approach proposed to accomplish the requirements. Unless otherwise directed by the County, costing data will be submitted demonstration that the Contractor sought and received three quotes.

The Contractor shall provide an installed unit price (or demolition price if appropriate) which shall include all costs required to accomplish the Non-Prepriced Task.

- .4 The final price submitted for Non Prepriced Tasks shall be according to the following formula:

**CONTRACTOR PERFORMED DUTIES**

A= Direct Labor Costs and Fringe Benefits per Prevailing Wage Rates.

B= Direct Material Costs (supported by quotes)

C= Direct Equipment Costs (supported by equipment amortization data)

D= Allowable Overhead Costs = A x 55%

(This includes Workers Compensation insurance).



E= Allowable Profit = (A+B+C) x 10%

Subcontractor Performed Duties

F= Cost of Subcontractors to Contractor (supported by quotes)

G= Contractor's Allowance for Subcontractor Cost = F x 5%

H= Contractor's Overhead for Subcontractors Costs in accordance with the following schedule:

F x 0% for Non-Prepriced (NPP) Tasks < 10% of total Work Order Value

F x 7% for NPP Tasks 10-20% of total Work Order Value

F x 10% for NPP Tasks > 20% of total Work Order Value

The final value of the NPP Task will be:

A+B+C+D+E+F+G+H

Following approval by the County of a Non-Pre-Priced Task and unit price, the Non-Pre-priced Task unit price will be entered into the computer data base.

- 5 The total extended price for the Non-Pre-Priced Task will be determined by multiplying the unit price by the quantity required. The price offered in the Proposal will be determined by multiplying the total extended price by the adjustment factor identified in the applicable NJPA Indefinite Quantity Construction Agreement which is 1.1892 for this EZIQC Contract.
  - 6 After using a Non-prepriced item on three separate Work Orders, the unit price for the work item will be negotiated and fixed as a permanent pre-price item which will no longer require price justification.
  - 7 The County will evaluate the proposed work unit and compare them with the independent County estimate of the same tasks to determine the reasonableness of approach, including the nature and number of work units proposed. The County will determine whether the Contractor's Work Order Proposal is in line with its own estimate.
  - 8 Following agreement on non-prepriced work unit content and price, the work unit price will be adjusted to a work unit base price equivalent to the price of work units contained in the Construction Task Catalog. This base price shall be developed by dividing the agreed-upon unit price by the Contractor's adjustment factor currently in effect for requirements to be accomplished during normal working hours.
  - 9 The base prices determined will be multiplied by the number of work units required to determine the extended base unit price, which will be converted to the Work Order firm fixed-price by multiplying the extended base unit price by the appropriate current Contractor's adjustment factor.
- (8) Each Work Order shall state the agreed upon requirements and fixed price of performance, the schedule for the Work, and shall cite the funds allotted for payment of the Work ordered and the item number, description, quantity, unit price and extended price (i.e. unit price times number of units) separated between prepriced and non-prepriced units and separated between regular and overtime efforts; applicable adjustment factors, and totaled to include the firm-fixed price for the order. All clauses of this EZIQC Contract shall be applicable to any Work Orders issued under this clause. Work Orders will be accomplished on an appropriate form which the Contractor shall sign a copy of evidencing acceptance of the Work Order.
- (9) The County reserves the right to reject a Contractor Proposal based on unjustifiable quantities, performance periods, inadequate documentation, or other inconsistencies on the Contractor's part. The Contractor has the obligation to confirm the quantities shown in the Contractor's proposals. The County has the right to require the Contractor to prove the quantities shown in the Proposals by providing sketches, drawings or plans as necessary.

The County also reserves the right to not award a Work Order if County's requirement is no longer valid. In these instances, the Contractor has no right of claim to recoup Proposal expenses. The County also reserves the right to pursue completion of any or all work included in a rejected Work Order by other contracting means when an agreement was not reached with the Contractor.

- (10) By submitting a signed Proposal to the Project Manager, the Contractor is agreeing to accomplish the work outlined in the RFP for that particular Work Order. It is the Contractor's responsibility to include the necessary scope items in the Proposal prior to issuing it to the Project Manager. Errors and omissions in the proposal shall be the responsibility of the Contractor. The Contractor's Proposal shall be valid for the entire term of the NJPA Indefinite quantity construction Agreement and in accordance with all terms and documents associated with the same.

### 3.4 LABOR, MATERIALS AND EQUIPMENT

3.4.1 **Costs of Work.** Contractor shall provide and pay for labor, materials, tools, equipment, machinery, water, heat, utilities, transportation, facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether incorporated or to be incorporated into the Work.

3.4.2 **Coordination.** Contractor shall provide supervision sufficient to ensure proper coordination for the timely and efficient performance and completion of the Work.

3.4.3 **Field Conditions.** Before commencing the Work or any activities on the Site, Contractor shall take field measurements and verify field conditions and carefully compare such field measurements and conditions with the information in the Contract Documents and other information obtained by or available to Contractor.

3.4.4 **Layout.** Contractor is solely responsible for (1) the accurate layout of all portions of the Work, (2) the accuracy of the Project lines and levels, (3) erection of the Work square, plumb, level, true to line and grade, in the exact plane, and to the correct elevation and (4) sloping of surfaces to drain as indicated by the Contract Documents, or, if not indicated, as needed to provide for adequate drainage.

#### 3.4.5 Materials, Equipment

.1 **Delivery, Storage, Inventory.** Materials and equipment shall be: (1) furnished in ample quantities and at such times as to ensure uninterrupted progress of the Work; and (2) if located on the Site, properly stored and protected as reasonable and necessary, or as directed by County, to prevent Loss from any foreseeable cause, including, without limitation, theft. In the event that County gives direction as to the location for storage or protection of materials or equipment on the Site, Contractor shall nonetheless remain solely responsible for its safe and secure storage and protection. No part of any such stored materials and equipment shall be removed from its place of storage except for immediate installation in the Work. Contractor shall keep an accurate inventory of all such stored materials and/or equipment in a manner satisfactory to County.

.2 **Purchases.** Contractor shall place orders for materials and/or equipment as specified so that delivery of same may be made without Delay to the Work. Contractor shall, upon request from County, furnish to County documentary evidence showing that orders have been placed. County reserves the right in the event Contractor fails, within three (3) Days after receipt of written notice by County to Contractor to comply with the requirements of this Subparagraph 3.4.5.2, to comply with the requirements of this Subparagraph 3.4.5.2, to deduct the costs paid or payable by County associated with such purchases from payments otherwise owing to Contractor. Contractor shall, if requested by County, accept assignment of any such contracts entered into by County without a Contract Adjustment.

.3 **Title.** No material, supplies or equipment for the Work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by seller or supplier. Contractor warrants good title to all material, supplies and equipment installed or incorporated in

the Work and agrees upon Final Completion to deliver the Work, including the premises, land, improvements and appurtenances on or to which the Work is placed, located or affixed, to County free from any claims, liens, or charges. Contractor further agrees that neither it nor any person, firm, or corporation furnishing any materials or labor for any of the Work shall have any right of lien upon the Site, or any Existing Improvement or appurtenance thereon, except that (1) nothing stated in this Subparagraph 3.4.5.3 shall be interpreted as a waiver by Contractor or any Subcontractor of its right under Applicable Laws to serve a stop payment notice for Work that is not paid for by County as required under the terms of the Contract Documents; and (2) Contractor may install metering devices or other equipment of utility companies or political subdivisions, title to which may be retained by such utility company or political subdivision, provided that in the event of installation of any such metering device or utility equipment, Contractor shall advise County as to the owner, and the precise location, thereof.

**.4 Substitutions.** No substitution of materials, equipment, articles, processes or other items of the Work required under the Contract Documents will be made without written approval of County, which approval may be granted or denied in the sole and absolute discretion of County. With respect to any such substitution made or requested by Contractor, neither the occurrence of a substitution made or requested by Contractor nor the approval or disapproval by County of a substitution that is made in accordance with this Subparagraph 3.4.5.4 shall give rise to any right of Contractor to a Contract Adjustment. Contractor shall, notwithstanding County's or Architect's approval, remain solely responsible for the sufficiency and suitability of all substitutions requested by Contractor and approved, or otherwise made, by Contractor.

**.5 Parts List.** Contractor will provide a printed parts list for all items which might be subject to replacement and for which parts lists are either expressly required by the Contract Documents or customarily provided according to usual commercial practices.

**.6 Manuals.** As part of its obligation for submission of Record Documents, four (4) hard copies and one (1) electronic version of operations and maintenance manuals shall be prepared and transmitted by Contractor to County prior to and as a condition of Final Completion. Final Payment will not be due until County has received all such manuals and all other manuals covering the Work that are either required to be provided by the terms of the Contract Documents or if not required are customarily provided according to usual commercial practices applicable to the portion of Work involved. Operating instructions will be included within the equipment manuals and will state all information necessary for County to operate, use, maintain and service the equipment fully and efficiently.

**.7 Start Up.** Contractor will be responsible for start-up of all systems and equipment purchased as part of the Work and has included sufficient amounts in its Bid to cover contingencies arising out of the start-up of such systems and equipment. Contractor will comply fully with each manufacturer's specifications and instructions. Systems and equipment specified to be furnished with manufacturer's supervision of start-up will be placed in operation only under such supervision.

### 3.5 CONTRACTOR'S WARRANTY

**3.5.1 General Warranty.** In addition to other warranties and guarantees required by the Contract Documents, Contractor shall, and hereby does, warrant and guarantee that: (1) the Work will conform to the requirements of Contract Documents, including, without limitation, any performance standards that are part thereof; (2) all Work for which there is not a specific requirement, criteria, specification or standard set forth in the Contract Documents will conform to the Standard of Performance; (3) all labor, equipment, materials and other items of Work will be when installed new and free of liens, claims and security interests; (4) without limitation to the other requirements of this warranty, all labor, installation and workmanship will be performed in a good and workmanlike manner; and (5) all labor, materials, equipment, services and work shall be free of defects for a period of one (1) year after Final Completion. If required by County, Contractor shall furnish satisfactory evidence as to the kind and quality of services, labor, installation, materials and equipment used. Manufactured items installed in the Work, unless otherwise specifically stated in the Contract Documents, are to be installed in strict accordance with manufacturer's current printed instructions.

**3.5.2 Repair, Replacement.** Without limitation upon the County's other rights or remedies under the Contract Documents or Applicable Laws, any and all Work that, for reasons other than (1) ordinary wear and tear or (2) abuse or neglect by persons or entities other than the Contractor or the Subcontractors, is not in conformance with the warranties or guarantees required by the Contract Documents or Applicable Laws shall be repaired or

replaced, together with the repair or replacement of any other Work, Existing Improvements or the work of the Separate Contractors, the County's own forces or others, which may be removed, displaced or damaged in so doing. The Contractor shall notify the County in writing upon completion of such repair or replacement. In the event of failure by the Contractor to commence and pursue with diligence said replacement or repair within ten (10) Days after being notified by the County, the County is hereby authorized to proceed with such replacement and repair as the County deems necessary and expedient and to charge such costs to Contractor at Contractor's Own Expense.

**3.5.3 Not a Limitation.** The warranties stated in this Section 3.5 are in addition to any other warranties or guarantees that are required under any other provision of the Contract Documents or Applicable Laws. Nothing stated in this Section 3.5 shall be interpreted as a limitation upon the County's rights under any warranties or guarantees provided for under any other provision of the Contract Documents or under Applicable Laws that afford the County greater rights than the rights afforded to County under this Section 3.5.

**3.5.4 Assignment.** Contractor does hereby unconditionally and irrevocably assign to County all warranties and guarantees issued or made by any Subcontractor, of any Tier (including, without limitation, any manufacturer, supplier and distributor) in connection with the Work. Such assignment shall not relieve Contractor of, or otherwise limit, any of its obligations contained in the Contract Documents, including, without limitation, the general responsibility and liability of Contractor for a breach by a Subcontractor (including, without limitation, any manufacturer, supplier and distributor, of any Tier) of a warranty or guarantee given by such Subcontractor in connection with the Work.

**3.5.5 Close-Out.** Unless sooner requested by County, Contractor shall furnish to County, as part of the Close-Out Documents and as a condition to Final Payment, all written guarantees or warranties that are required by the terms of the Contract Documents. All such guarantees and warranties shall be: (1) in writing; (2) indexed and bound; (3) accompanied by such certifications and instruction materials as may be required by the Contract Documents; and (4) issued to County or assignable by their terms, and in fact assigned, to County.

## 3.6 TAXES

**3.6.1 Payment by Contractor.** Contractor shall pay, at Contractor's Own Expense, all local, state and federal taxes, including, without limitation, all sales, consumer, business license, use and similar taxes on materials, labor or other items furnished for the Work or portions thereof provided by Contractor or the Subcontractors, of all Tier, all taxes arising out of its operations under the Contract Documents and all benefits, insurance, taxes and contributions for social security and unemployment insurance which are measured by wages, salaries or other remuneration paid to Contractor's employees. If under federal excise tax law any transaction hereunder constitutes a sale on which a federal excise tax is imposed, and the sale is exempt from such excise tax because it is a sale to a state or local government, then County, upon request, will execute documents necessary to show: (1) that County is a political subdivision of the State for the purposes of such exemption; and (2) that the sale is for the exclusive use of County. No excise tax for such materials shall be included in any price (including, without limitation, the Bid) submitted by Contractor for the Work or for Changes in the Work.

**3.6.2 Tax Exempt Projects.** If applicable to the Project, Contractor shall comply with Applicable Laws concerning tax-exempt construction projects.

**3.6.3 Records of Taxes.** Contractor and the Subcontractors shall keep sufficient records to verify the amount of sales and use taxes paid. Copies shall be submitted with each monthly Application for Payment. Failure to keep or submit such records, resulting in the inability of County to claim a refund for taxes for such materials, shall render Contractor liable to County for the amount of such tax refund.

## 3.7 PERMITS, FEES AND LEGAL NOTICES

**3.7.1 Permits.** Contractor shall obtain and pay for all permits and approvals that are not stated in the Contract Documents to be the responsibility of the County. Such permits and approvals that are the responsibility of the Contractor may include local building or land use permits, California Department of Fish and Game Streambed Alteration Agreements (Section 1600 et seq.), California Department of Fish and Game collection permits, U.S. Army Corps of Engineers 404 fill and dredge authorization, Clean Water Act Section 401 authorization (managed by the local California Regional Water Quality Control Boards) land owner agreements, or other regulatory permits or

approvals required for the implementation of the Project. All permits, licenses and certificates obtained by Contractor shall be delivered to County prior and as a condition to Final Completion and Contractor's right to Final Payment.

**3.7.2 Applicable Laws, Notices.** Contractor shall comply with, and give notices required by, Applicable Laws bearing on performance of the Work.

**3.7.3 Bonds, Undertakings.** Contractor shall, without Contract Adjustment, procure and obtain all bonds required of the County or the Contractor by the municipality in which the Project is located or by any other public or private body with jurisdiction over the Project. In connection with such bonds, the Contractor shall prepare all applications, supply all necessary back-up material and furnish the surety with any required personal undertakings. The Contractor shall also obtain and pay, without Contract Adjustment, all charges for all approvals for street closings, parking meter removal and other similar matters as may be necessary or appropriate from time to time for the performance of the Work.

**3.7.4 Notice of Violations.** Contractor shall immediately notify County in writing of any instruction received from County, or any other Project Team member that, if implemented, would cause a violation of any Applicable Law.

**3.7.5 Governmental Authority Approvals.** Where the Contract Documents state, or Applicable Laws require, that materials, processes or procedures must be approved by a Governmental Authority, Contractor shall be responsible for satisfying the requirements and obtaining the approval of such Governmental Authority.

### **3.8 CONTRACTOR'S PERSONNEL**

**3.8.1 Key Persons.** Contractor's employees acting as project manager, scheduler and superintendent constitute Key Persons. Individuals acting as Key Persons who are not already identified in Contractor's Post-Award Submittals shall be identified in writing to County prior to commencement of the Work.

.1 The Contractor will submit an organizational chart within 10 days of Notice to Proceed, which includes the names and resumes of employees in key positions who will work on this EZIQC Contract. All employees in key positions must be approved by the County.

.2 If any key personnel furnished by the Contractor for the Project in accordance with the key personnel provisions of this section should be unable to continue in the performance of assigned duties for reasons due to death, disability or termination, the Contractor shall promptly notify the County. Any replacement personnel are prohibited without County approval.

.3 On request by the County, the Contractor shall furnish to the County within seven (7) working days the name of the person substituting for the individual unable to continue, together with any information the County may require to judge the experience and competence of the substitute person. Upon approval by the County, such substitute person shall be assigned to this EZIQC Contract and if the County rejects the substitute, the Contractor shall have seven (7) days thereafter to submit a second substitute person. Such process shall be repeated for a reasonable period until a proposed replacement has been approved by the County.

.4 In the event that, in the opinion of the County, the performance of personnel of the Contractor assigned to this EZIQC Contract is at an unacceptable level, such personnel shall cease to be assigned to this EZIQC Contract and shall return to the Contractor, and the Contractor shall furnish to the County, the name of a substitute person or persons in accordance with the previous paragraph. Absence of acceptable key personnel for the Work shall constitute an event of default.

.5 The Contractor is obligated to staff the work under this contract so that Key Personnel are not assigned responsibility for more than ten (10) active Work Orders at any time. A Work Order is considered to be active from the time that a Joint Scope Invitation has been given to the Contractor until a Notice of Completion or a cancelation is issued by the County. A Contractor's Project Manager may not work on any other EZIQC Contracts for any other entities if the cumulative total number of active Work Orders exceeds 10 for all entities including the County of Riverside, regardless of which entities have entered into NJPA-EZIQC Contracts.

3.8.2 **Background Check.** Contractor shall perform, prior to commencing Work on the Site, a thorough background check of each of the Key Persons and shall not, without prior written approval of County, employ any person to act as a Key Person if such background check, or other information known to Contractor, discloses a felony conviction or other matter which casts any reasonable doubt on the competency, reliability or honesty of such person.

3.8.3 **Project Manager.** The Key Person acting as project manager shall be deemed to have full authority to contractually bind Contractor, including, without limitation, the authority to bind Contractor to the terms of Contract Adjustments.

3.8.4 **Transfer.** Contractor's Key Personnel are deemed of essence to the Construction Contract. No Key Person shall, for so long as he/she is employed by Contractor, be transferred to any other project nor any of his/her responsibilities reassigned at any time during performance of the Work without the prior written approval of County, which approval may be granted or withheld in County's sole and absolute discretion.

3.8.5 **Removal.** County shall have the right, at any time, to direct the removal and replacement of any Key Person if his/her performance is determined by County, in its sole and absolute discretion, to be unsatisfactory.

3.8.6 **Replacement.** Any individual proposed by Contractor as a replacement for a Key Person must be approved in advance by County, such approval not to be unreasonably withheld, after submission by Contractor to County of complete information concerning such individual's experience and qualifications.

3.8.7 **Communications.** Important communications by Key Persons shall be confirmed in writing by Contractor. Other communications by Key Persons shall be confirmed on written request in each case.

3.8.8 **Contact Information.** Contractor shall provide to County, prior to the start of the Work, telephone numbers where Key Persons can be reached 24-hours a day, 7 Days a week.

3.8.9 **Signatures.** Prior to commencing the Work, Contractor shall submit to County a facsimile of the signatures of the Key Person acting as project manager, as well as any other representatives of Contractor with authority to sign on behalf of and contractually bind Contractor.

3.8.10 **Exclusion from Site.** Contractor shall at all times maintain good discipline and order at the Site among its employees and the employees of the Subcontractors. Any person in the employ of Contractor or any of the Subcontractors, of any Tier, whom County deems, in its sole and absolute discretion, incompetent, unfit, intemperate, troublesome or otherwise undesirable shall be excluded from the Site and shall not again be employed on the Site except with written approval of County.

### 3.9 **CONTRACTOR'S CONSTRUCTION SCHEDULE**

3.9.1 **Preparation.** As part of the Proposal for each Work Order the Contractor shall submit a preliminary schedule. The Contractor shall prepare and submit a Final Construction Schedule for the Work, both in hard copy and electronically, for the County's approval upon the County's acceptance of the Detailed Scope of Work and Work Order Proposal for each Work Order under the EZIQC Program. The Construction Schedule shall in all respects conform to and be consistent with the time requirements set forth in each Work Order.

3.9.2 **Format.** The Construction Schedule shall be in the form of a critical path progress schedule that shows, in graphic form, a plan for performance of the Work within the Contract Time. The schedule shall be in the form of a CPM (critical path method) schedule if required by the County, of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. It shall be prepared as a time-scaled bar chart showing: (1) continuous flow from left to right and activities and milestones that are critical to Substantial Completion and Final Completion of the Work; (2) identification of "float"; and (3) a clearly highlighted critical path. Durations and specific calendar days shall be clearly and legibly shown for the early and late start and finish of each activity. With the exception of County Review Periods and Governmental Authority Review Periods, any activity with more than fifteen (15) Days in duration will be segmented into fifteen (15) Day increments. No more than ten percent

(10%) of the activities shall be shown as critical. Techniques or methods designed to suppress depiction of available float are strictly prohibited.

**3.9.3 Detail.** Activities shown in the Construction Schedule shall be in sufficient detail to demonstrate a practical plan to complete the design, engineering, fabrication and construction within the Contract Time and shall, at a minimum, include the following:

- .1 the start and finish date of each activity;
- .2 the anticipated percent of completion at the end of each month;
- .3 the weighted labor value expressed as a percentage of the total labor cost of the Work for each activity;
- .4 the final manpower curves by trade;
- .5 the anticipated purchase and delivery of major materials and equipment;
- .6 the County's occupancy requirements;
- .7 receipt and incorporation of materials, products or equipment to be furnished by County (if any);
- .8 County Review Periods and County Review Dates that are acceptable to and approved by County;
- .9 Governmental Authority Review Periods; and
- .10 the activities identified as being on the critical path to Substantial Completion and Final Completion of the Work.

**3.9.4 Updates.** Throughout the performance of the Work, weekly updates shall be delivered, in hard copy and, if required by County, in an electronic form satisfactory to County. In addition, Contractor shall regularly prepare and submit to County short term, three (3) week "look-ahead" schedules generated from the Construction Schedule approved by County. Except to the extent permitted by Contract Adjustment to the Contract Time approved by County in a duly executed Supplemental Work Order and associated County Change Order or Unilateral Work Order and County Change Order, in no event shall the Contractor's updates or "look ahead" schedules alter the dates for Substantial Completion or Final Completion set forth in the Construction Schedule approved by County.

**3.9.5 Governing Schedule.** The governing schedule for the Work shall be the updated Construction Schedule approved by the County. Unless otherwise directed in a writing signed by County, no other schedule shall be used or relied upon by the Contractor or its Subcontractors in planning or performing the Work or in connection with any request for a Contract Adjustment to the Contract Time.

**3.9.6 Submittal Schedule.** Within fourteen (14) (or less if so indicated by the County on the Request for Proposal document for each individual Work Order) Days after the receipt by the Contractor of the Notice to Proceed, the Contractor shall prepare and submit, in accordance with the Contract Documents, a Submittal Schedule for the County's approval. The Submittal Schedule shall be coordinated with the Construction Schedule and allow time for review of the Submittals as may be required by the Contract Documents, or if none is required, a reasonable time for such review. Contractor shall keep the Submittal Schedule current and updated in the same manner as required for updating of the Construction Schedule.

**3.9.7 Schedule Responsibility.** Contractor is and shall remain solely responsible, notwithstanding the County's review or approval thereof, for the accuracy, suitability and feasibility of all schedules it prepares for the Project, including, without limitation, the Construction Schedule, Submittal Schedule, "look ahead" schedules, recovery schedules and any updates thereof.

.1 If, in the opinion of the County, the Contractor falls behind the approved schedule, the Contractor shall take steps necessary to improve its progress, without additional cost to the County. The Contractor shall submit any supplementary schedule or schedules in CPM form as the County deems necessary to demonstrate how the approved rate of progress will be regained

**3.9.8 Condition of Payment.** Compliance by Contractor with the requirements of this Section 3.9 and the other provisions of the Contract Documents pertaining to preparing, submitting, revising and updating the Construction Schedule and Submittal Schedule is a condition to County's obligation to make payment to Contractor. Recognizing that scheduling is a continuing, cumulative and recurring obligation, failure by County or to assert a right to withhold payment under this Paragraph 3.9.8 due to a noncompliance by Contractor with its schedule obligations shall not waive or diminish the County's right to withhold or disapprove of future payments on account of such prior, or any other past or future, noncompliance of the same or similar nature.

**3.9.9 Scheduling by County.** Without limitation to County's other rights under the Contract Documents, if Contractor fails after written notice by County to perform any part of its obligations relating to scheduling, County shall have the right, but not the obligation, to retain one or more schedule consultants to perform, in whole or in part, the Contractor's obligations or supplement the scheduling services provided by Contractor and to reimburse County for the costs of such consultant services by withholding such costs from payments to Contractor.

### 3.10 DOCUMENTS AT SITE, REPORTING, MEETINGS

#### 3.10.1 Documents at Site

**.1 Contract Documents, Submittals.** Contractor shall at all times while performing Work at the Site maintain, in good order, at the Site: (1) one legible set of the permitted Contract Documents; (2) one legible copy of the current version of the other Contract Documents; (3) one legible and current version of approved Shop Drawings, Product Data, Samples and other Submittals; (4) one approved Storm Water Pollution Prevention Plan (SWPPP); and (5) one copy of all reports prepared pursuant to the Mitigation, Monitoring, and Reporting Program (MMRP) requirements of the California Environmental Quality Act.

**.2 Record Documents.** Contractor shall maintain Record Drawings and Specifications in a satisfactory record condition by posting, on a weekly basis (or, in the case of building or site mechanical, electrical, plumbing or fire sprinkler systems, as soon thereafter as is reasonable and practical), thoroughly and neatly, on the Drawings and Specifications all Changes to the Work and the location of the Work, including, without limitation, the location of portions of the Work shown diagrammatically, as occurs in the actual construction of the Work. The Record Drawings and Specifications and other Record Documents shall be prepared or converted, if requested by County, to electronic form (such as, AutoCAD, Adobe Acrobat or other software satisfactory to County). All Record Drawings and Specifications and other Record Documents shall be deemed the sole property of County and, at the earlier of Final Completion or termination of the Construction Contract, shall be turned over to County. At the time they are so turned over to County, they shall be manually signed by Contractor's superintendent certifying that, to the best of his/her knowledge, they are true and accurate and that the indications thereon represent the actual condition of the Work.

**.3 Availability for Review.** Copies or originals of all documents required to be maintained by Contractor at the Site or required to be submitted to County or the Architect shall be available at all times at the Site while Work is being performed for review by County, Inspector of Record, Architect and Governmental Authorities.

**.4 Condition of Payment.** Compliance by Contractor with the requirements of this Paragraph 3.10.1 shall be deemed a condition to Contractor's right to payment upon its Applications for Payment.

#### 3.10.2 Daily Reports.

**.1 Delivery.** At the end of each Day that Contractor performs the Work on the Site, Contractor shall submit a daily report to County (on the form provided or approved by County) together with applicable delivery tickets for all labor, materials and equipment furnished that Day. If requested by County, daily reports shall be delivered electronically.



**.2 Content.** Daily Reports shall include the following information:

- (1) Labor - The names of the workers, and for each such worker his/her classification and hours worked.
- (2) Material - A list of the different materials used and for each different material the quantity used.
- (3) Equipment - The type of equipment, size, identification number, and hours of operation, including loading and transportation, if applicable.
- (4) Inspection and Testing Activities – A list of inspections performed by name of inspector and testing company and the type of inspection, items of the Work involved and a description of the outcome of such inspection or test.
- (5) Visitors, Guests, Dignitaries – A list of visitors and guests by name, title, company and purpose of visit.
- (6) Areas of the Work – A statement of the areas of the Site on which the Work was performed and a detailed description of the stage, status and progress of the Work in each such area at the beginning and end of the Day.
- (7) Accidents, Delays, Defective Work – A description in detail of any injuries to the workers, accidents or delays that occurred or Defective Work that was encountered.
- (8) Other Services and Expenditures – A description of other services and expenditures in such detail as County may require.

**.3 Payment.** Timely and complete submission of daily reports by Contractor shall be a condition to Contractor's right to payment under the Construction Contract.

**3.10.3 Progress Meetings.** Contractor shall attend all progress meetings at the Site, at which meetings progress of the Work shall be reported in detail with reference to the then-current updated Construction Schedule approved by the County. Progress meetings shall be held weekly, or at such other time or frequency as County, in its sole and absolute discretion, deems necessary. A representative of each Subcontractor then actively performing Work, or immediately scheduled to become active, shall have a competent and knowledgeable representative present at such progress meeting to report on the condition of the Work of such Subcontractor and to receive relevant information. Meeting notes shall be taken by the County or Architect and distributed to all meeting attendees and all other affected parties.

**3.10.4 Notice Requirements.** Under no circumstances shall information contained in Contractor's daily job reports, monthly reports or job meeting minutes relieve Contractor of its obligations to comply with, serve as a substitute for, nor constitute a waiver by County of its right to insist upon, Contractor's compliance with the provisions of the Contract Documents relative to timely and complete notice to County of Changes, Delays, Claims or other matters for which written notice is required by the Contract Documents.

**3.10.5 Availability for Review.** Copies or originals of all Record Documents, daily reports, job meeting minutes and other documents required to be maintained or actually maintained by Contractor at the Site or required to be submitted to County or Architect shall be available at the Site for review by County, Architect, Inspectors of Record, County Consultants and Governmental Authorities.

### **3.11 SUBMITTALS**

**3.11.1 Not Contract Documents.** Shop Drawings, Product Data, Samples and other Submittals are not Contract Documents. Their purpose is to demonstrate for those portions of the Work for which Submittals are

required the way Contractor proposes to conform the Work to the designs and other information in the Contract Documents.

**3.11.2 Coordination with Others.** Contractor shall cooperate in the coordination of Contractor's Shop Drawings, Product Data, Samples and other Submittals with related documents submitted by the Separate Contractors.

**3.11.3 Submission by Contractor.**

**.1 Submission.** All Shop Drawings, Product Data, Samples and other Submittals required by the Contract Documents shall be submitted to Architect for its review and approval, with a copy to County and to such of County's Consultants or Separate Contractors as County may direct in writing. Informational submittals (i.e., Submittals upon which no responsive action is expected) shall be limited to those Submittals so identified in the Contract Documents. Submittals made by Contractor which are not required by the Contract Documents may be returned without action.

**.2 Contractor Approval.** The Contractor shall review, stamp "approved" and submit Contractor's Shop Drawings, Product Data, Samples and other Submittals to the Architect, in accordance with the latest Submittal Schedule approved by the County. The Contractor's approval and submission of Submittals constitutes a representation that the Contractor has determined or verified materials and field measurements and conditions related thereto, and that it has checked and coordinated the information contained within such Submittals with the requirements of the Contract Documents and with the Submittals for related Work. Submittals without evidence thereon of the Contractor's approval shall be returned, without further consideration, for resubmission in accordance with these requirements.

**.3 Transmittal.** All Submittals shall be accompanied by an accurately completed transmittal in the form required by County. With respect to Submittals of documents, the transmittal shall give a list of the numbers of the sheets submitted. All sheets shall be marked with the name of the Project and the name of Contractor shall be numbered consecutively and referenced to the sheets or paragraphs of the Drawings and Specifications affected. A separate transmittal form shall be used for each specific item or class of material or equipment for which a Submittal is required. Transmission of Submittals of various items using a single transmittal form will be permitted only when the items taken together constitute a manufacturer's "package" or are so functionally related that expediency dictates review of the group or package as a whole. Any Submittal not accompanied by such transmittal form, or where all applicable items on the form are not completed, may be returned for re-submittal without review.

**.4 Timing.** Submittals shall be provided within the time frame specified in the Contract Documents, in accordance with the Construction Schedule and Submittal Schedule and at a time sufficiently early to allow review of the same by the Architect without causing Delay to construction progress. Contractor will be responsible to pay, at Contractor's Own Expense, additional services fees and costs incurred by County to the Architect, Inspectors of Record and County Consultants in order to expedite review of Submittals which are not submitted in a timely fashion.

**.5 Content.** Submittals shall consist of the appropriate combination of catalog sheets, material lists, manufacturer's brochures, technical bulletins, specifications, diagrams and product samples, necessary to describe a system, product or item. Submittals shall show in detail the size, sections and dimensions of all members, the arrangement and construction of all connections, joints and other pertinent details, and all holes, straps and other fittings for attaching the Work. When required by the Architect or the Contract Documents, engineering computations shall be submitted.

**.6 Professional Certifications.** When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, Architect shall be entitled to rely upon the accuracy and completeness of such calculations and certifications.

**.7 Multiple Submittals.** Except where the preparation of a Submittal is dependent upon the approval of a prior Submittal, all Submittals pertaining to the same class or portion of the Work shall be submitted simultaneously.

**.8 Notation of Revisions.** Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or other Submittals, to revisions other than those requested and approved by Architect on previous Submittals.

**.9 Duplicates.** Contractor shall be responsible for delivering duplicates of Submittals to all other persons whose work or services are dependent thereon.

**3.11.4 Review of Submittals.** Review of Submittals by Architect, County or County Consultants is subject to the limitations of Paragraph 4.2.6, below. Contractor shall, notwithstanding any review or approval thereof by County, Architect or a County Consultant, be solely responsible for the content of all Submittals. Without limitation to the foregoing, deviations in Submittals from requirements of the Contract Documents shall remain the sole responsibility of Contractor unless Contractor has specifically informed Architect in writing of such deviation at the time of submission of the Submittal and Architect has given specific written approval thereof.

**3.11.5 Contract Adjustments.** Subject to Contractor's rights and obligations under Article 7, below, revisions indicated on Shop Drawings, Product Data, Samples or other Submittals shall not be considered as a basis for Contract Adjustments.

**3.11.6 Compliance with Contract.** Contractor shall perform no portion of the Work requiring submittal and review of Shop Drawings, Product Data, Samples or other Submittals until the respective Submittal has been returned by the Architect with an indication that it has been reviewed and that the Work addressed by the Submittal may proceed. Such Work shall be in accordance with such Submittals, unless such Submittal indicates that there are corrections to be made. If corrections are indicated to be made then the Work shall be in accordance with the re-submitted and corrected Submittal that is reviewed and returned to the Contractor by the Architect.

### 3.12 USE OF SITE

**3.12.1 Staging Area.** Contractor will be assigned staging space on or adjacent to the Site, and all field offices, materials and equipment shall be kept within this area. Unless otherwise required by the Contract Documents, Contractor shall be responsible for restoring such areas and surrounding areas to the condition they were in prior to Contractor's commencement of the Work.

**3.12.2 Existing Improvements.** During the installation of the Work, Contractor shall ensure that Existing Improvements are adequately protected. Upon Final Completion of the Work, all Existing Improvements not required by the Contract Documents to be demolished as part of the Work that have been damaged by the actions or inactions of Contractor or its Subcontractors shall be restored to the condition they were in prior to Contractor's commencement of the Work.

**3.12.3 Operations at Site.** Contractor shall confine its activity, access and parking at the Site to areas permitted by Applicable Laws and County and shall not unreasonably encumber the Site with materials or equipment. Contractor acknowledges that it is experienced in performing construction within limited and confined areas and spaces such as those that are anticipated to exist on this Project and agrees to assume responsibility, without a Contract Adjustment, to take all special measures (including, without limitation, those related to protection, storage, staging and deliveries) as may be necessary to adapt its performance to the constraints of the Site.

**3.12.4 Coordination.** Contractor shall coordinate Contractor's operations with, and secure the approval of, County before using any portion of the Site.

**3.12.5 Unauthorized Use.** Personnel of Contractor and the Subcontractors shall not occupy, live upon or otherwise make use of the Site during any time that the Work is not being performed at the Site, except as otherwise approved by County.

**3.12.6 Site Security.** Contractor is responsible for the security of the Site and all of the Work, as well as the work of the Separate Contractors or County's own forces that occurs on the Site. Fences, barricades and other perimeter security shall be maintained in good condition and secured with locking devices. Damage to fences, barricades or other perimeter security, regardless of the cause, shall be repaired immediately at Contractor's Own Expense. Graffiti and unauthorized postings shall be removed or painted over so as to maintain a clean and neat

appearance. Mobile equipment and operable machinery shall be kept locked or otherwise made inoperable whenever left unattended.

**3.12.7 Persons on Site.** Contractor shall not allow any person, other than the workers on the Project, authorized representatives of a union, or other individuals authorized by County, to come upon any portion of the Site where the Work is being performed. Only authorized personnel will be permitted on the Site. Contractor shall at all times maintain good discipline and order among its employees and the employees of the Subcontractors. Any person in the employ of Contractor or of any Subcontractors whom County may deem, in its sole and absolute discretion, incompetent, unfit, intemperate, troublesome or otherwise undesirable shall be excluded from the Site and shall not again be employed on the Site except with written approval of County and all Losses to Contractor or County associated therewith shall be borne by Contractor at Contractor's Own Expense.

**3.12.8 County Uses and Activities.** Contractor shall, prior to performing the Work at an operating or occupied County facility, become informed and take into specific account the uses by County and others of the Site and Existing Improvements, including, without limitation, business operations, public uses, employee uses, visitor uses, planned functions and ceremonies, and coordinate its planning, staging, scheduling, barricading and other performance of the Work so as to cause the minimum amount of interference or disturbance, whether before or after operating hours.

**3.12.9 Dust, Fumes, Noise.** Contractor shall take preventive measures to minimize, and eliminate wherever reasonably possible, generation of dust, fumes and noise.

**3.12.10 Confinement of Operations.** Contractor shall confine apparatus, the storage of materials and the operations of the workers to limits indicated by Contract Documents or as otherwise directed by County in writing.

**3.12.11 Prohibited Substances.** Contractor shall not permit (1) the possession or use of alcohol or controlled substances on the Site or (2) smoking in other than designated smoking areas approved by County.

**3.12.12 Survey Markers.** Contractor shall not disturb or cover any survey markers, monuments or other devices marking property boundaries or corners. If such markers are covered they shall be uncovered and if disturbed they shall be replaced by Contractor by means of the services of a licensed land surveyor. The costs of such uncovering and replacement shall be at Contractor's Own Expense.

**3.12.13 Drainage, Erosion.** Contractor is responsible for and shall make corrections to changes in patterns of surface water drainage resulting from, and related erosion control made necessary by, the performance of the Work.

**3.12.14 Trenches.** As required by California Labor Code §6705, if the Contract Price exceeds Twenty-Five Thousand Dollars (\$25,000) and involves the excavation of any trench or trenches five (5) feet or more in depth, Contractor shall, in advance of commencing excavation, submit to County a detailed plan showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If such plan varies from the Shoring Systems Standards established by the Construction Safety Orders of the California Division of Industrial Safety, the plan shall be prepared by a registered civil or structural engineer, employed by Contractor at Contractor's Own Expense. Nothing in this Paragraph 3.12.14 shall be deemed to allow the use of a system less effective than that required by such Construction Safety Orders. No excavation of such trench or trenches shall be commenced until such plan has been approved by County and Architect. Nothing in this Paragraph 3.12.14 shall be construed to impose any liability, including, without limitation, any tort liability, upon the County or upon any of its officers, agents, representatives or employees.

### **3.13 CUTTING AND PATCHING**

Contractor shall be responsible for all cutting, fitting or patching required to complete the Work and to make its parts fit together properly both among themselves and with any Existing Improvements and the work of the Separate Contractors and of County's own forces. In all cases, cutting shall be performed under the supervision of competent mechanics skilled in the applicable trade and openings shall be cut as small as possible to prevent unnecessary

damage. Contractor shall not damage or endanger a portion of the Work, Existing Improvements or fully or partially completed construction of County's own forces or of the Separate Contractors by cutting, patching, excavating or otherwise altering such construction. Contractor shall not cut or otherwise alter such Existing Improvements or construction by Separate Contractors or by County's own forces except with the written consent of such Separate Contractors or County, which consent shall not be unreasonably withheld, delayed or conditioned. When asked, Contractor shall not unreasonably withhold from the Separate Contractors or County the Contractor's consent to Separate Contractors' or County's own forces' cutting or other alteration of the Work as required to complete the work of the Separate Contractors or County's own forces.

### 3.14 UTILITIES AND SANITARY FACILITIES

**3.14.1 Contractor Responsibility.** Except as otherwise required by California Government Code §4215, Contractor shall contact all relevant utility providers and arrange for obtaining all available information, concerning location of subsurface utility lines. Prior to commencement of any digging, Contractor shall make its own investigation, including exploratory excavations, to determine the locations and type of Work which could result in damage to such utilities. In accordance with California Government Code §§4216 et seq., except in an emergency, Contractor shall contact the appropriate regional notification center at least two (2) the working days, but not more than fourteen (14) Days, prior to commencing any excavation, if the excavation will be conducted in an area which is known, or reasonably should be known, to contain sub-service installations, and shall obtain an inquiry identification number from the regional notification center. Contractor shall not assume, unless actual observed surface conditions at the Site indicate otherwise, that utilities are located in the same location as indicated on the as-built records or other information obtained by Contractor. Contractor shall conduct potholing in advance of digging in any areas where there are not apparent surface conditions at the Site indicating the actual location of underground utilities and be at all times vigilant in watching for any conditions encountered, above or below the surface of the ground, that might indicate that underground utilities are at locations other than those indicated by the as-built records or other information obtained by Contractor. Contractor shall perform its digging operations in a slow and meticulous manner so as to avoid wherever reasonably possible damaging existing underground utilities. Contractor shall, at Contractor's Own Expense, make good any Loss to County or others as a result of Contractor's failure to perform any of its obligations under this Paragraph 3.14.1. Nothing stated in this Paragraph 3.14.1 shall be interpreted as requiring Contractor to do subsurface exploration or potholing for the purpose of locating subsurface utilities at the Site prior to the Bid Closing Deadline or as precluding the Contractor from receiving a Contract Adjustment for unknown subsurface utilities constituting Differing Site Conditions that are encountered in the course of performing the Site investigation or potholing required by this Paragraph 3.14.1.

**3.14.2 County Responsibility.** If and to the extent required by California Government Code §4215, County assumes the responsibility for removal, relocation, and protection of those existing main or trunkline utility facilities located at the Site at the time of commencement of the Work that are not identified in the Contract Documents. Provided that Contractor has exercised the Standard of Care in performing the Work in accordance with the Contract Documents, Contractor shall be entitled to a Contract Adjustment for, relocating, repairing or removing any utility facilities not indicated in the Contract Documents with reasonable accuracy, including, without limitation, equipment on the Site necessarily idled thereby. Delays caused by County's or a utility owner's failure to provide for the removal or relocation of such utility facilities shall constitute a Compensable Delay. Nothing herein shall be deemed to require County to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the Site can be inferred from the presence of other visible facilities, such as buildings or meter junction boxes located on or adjacent to the Site.

**3.14.3 Temporary Utilities.** All utilities, including but not limited to electricity, water, gas and telephone, used in performance of the Work (including, without limitation, meters and temporary distribution systems from distribution points to points on Site where a utility is needed and "tap fees") shall be furnished and paid for by Contractor or, if furnished by County, shall be paid for by Contractor at Contractor's Own Expense. Upon Final Completion of the Work, Contractor shall remove all temporary distribution systems. If the Work involves an addition to an existing facility, Contractor may, with written permission of County, granted or withheld in County's sole and absolute discretion, use County's existing utilities by making prearranged payments to County for utilities used by Contractor. When it is necessary to interrupt any existing utility service to make connections, a minimum of two (2) working days' advance notice shall be given to County. Interruptions shall be of the shortest possible duration and shall be scheduled during a time of Day that minimizes its impact on the operations of the existing facility. Any Loss

to County or Contractor associated with interruption of a utility service as a result of Contractor's breach of, or failure to fully comply with, its obligations under this Paragraph shall be paid for by Contractor at Contractor's Own Expense.

**3.14.4 Sanitary Facilities.** Contractor shall provide sanitary temporary toilet facilities, for the use of all the workers, in no fewer numbers than required by Applicable Laws, plus such additional facilities as may be directed by County. Such facilities shall be maintained in a sanitary condition at all times. Use of existing or permanent toilet facilities shall not be permitted except by written consent of County.

### **3.15 CLEANING UP**

**3.15.1 Contractor Responsibility.** Contractor at all times shall keep the Site free from debris such as waste, rubbish and excess materials and equipment caused by the performance of the Work. At the end of each Day that Work is performed, Contractor shall not leave debris under, in or about the Site but shall promptly dispose of or remove same from the Site. Without limitation to the other clean up requirements of the Contract Documents, upon Final Completion, Contractor shall: (1) clean the interior and exterior of the buildings, including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections and any areas where debris has collected so surfaces are free from foreign material or discoloration; (2) clean and polish all glass, plumbing fixtures, finish hardware and similar finish surfaces and equipment; and (3) remove temporary fencing, barricades, planking, sanitary facilities and similar temporary facilities from the Site.

**3.15.2 Cleanup by County.** If Contractor fails upon 24 hours' notice by County to perform its obligation to clean up, County may arrange to do so, and the cost thereof shall be borne by Contractor at Contractor's Own Expense.

### **3.16 ACCESS TO THE WORK**

**3.16.1 County.** County, Inspectors of Record, Architect and County Consultants, and their representatives, and such other persons as authorized by County, shall at all times have access to the Work, either in preparation or in progress. Contractor shall provide safe and proper facilities for such access so that they and their representatives may perform their functions safely.

**3.16.2 Separate Contractors.** County, using its own forces or those of Separate Contractors, may, at any time during the performance of the Work, enter the Site for the purpose of performing construction or for any other purpose. Contractor shall cooperate with County, County's own forces and Separate Contractors and not interfere with other work being done by them or on their behalf.

**3.16.3 Delivery Routes.** Contractor shall arrange for delivery of material over routes designated by County.

### **3.17 INTELLECTUAL PROPERTY RIGHTS**

Contractor shall pay all royalties and license fees relating to use of Intellectual Property Rights pertaining to Work performed. Contractor shall defend suits or claims for infringement of Intellectual Property Rights and shall defend, indemnify and hold harmless the Indemnitees from Loss on account thereof in accordance with the terms of Section 3.18, below, unless the infringement is due to a particular design, process, product or product of a particular manufacturer that is required by the Contract Documents; provided, however, that if Contractor has information leading it to believe that the use of a particular design, process or product required by the Contract Documents would constitute an infringement of an Intellectual Property Right, then Contractor shall nonetheless be responsible to provide such defense, indemnification and hold harmless if such information is not promptly furnished in writing to County.

### **3.18 INDEMNIFICATION**

**3.18.1 Contractor's Indemnity Obligation.** To the fullest extent permitted by Applicable Laws, Contractor agrees to indemnify, immediately defend at its own expense and hold harmless, County, Board of Supervisors, and each of their respective members, officers, employees, agents, insurers and volunteers ("Indemnitee(s)"), through legal counsel reasonably acceptable to County, from any and all Losses, whether real or

alleged, regardless of whether caused in part by such Indemnitee or its agents, servants or independent contractors who are directly responsible to such Indemnitee, arising out of or relating to any of the following:

- .1 any act or omission of Contractor or a Subcontractor, of any Tier;
- .2 the activities of Contractor or a Subcontractor, of any Tier, on the Site or on other properties related to performance of the Work or the preparation for performance of the Work;
- .3 the payment or nonpayment of any Subcontractor, of any Tier, for the Work performed, except where such nonpayment is the result of a breach by County of its payment obligations under the Contract Documents;
- .4 the existence or dispersal of any Hazardous Substances or Mold on the Site as a result of the failure of Contractor or a Subcontractor, of any Tier, to comply with its obligations under the Contract Documents;
- .5 the violation by Contractor or a Subcontractor, of any Tier, of an obligation under Section 3.17, above, involving infringement of an Intellectual Property Right; or
- .6 the violation by Contractor or a Subcontractor, of any Tier, of any Applicable Law, including, without limitation, the violation of any requirement of the State of California General Permit for Storm Water Discharges Associated with Construction Activity and subsequent amendments or orders for construction activities as applicable thereto (including, without limitation, the requirements of a Storm Water Pollution Prevention Plan) or the violation of any applicable requirement of any local or regional Air Quality Management District (AQMD) (including, without limitation, a violation of any of the requirements set forth in the County MOU with AQMD dated January 6, 2004 Agenda Item 3.1 (for projects in the Coachella Valley) or AQMD Rule 403 (for projects west of the Coachella Valley));

PROVIDED, HOWEVER, that nothing contained herein shall be construed as obligating Contractor to indemnify an Indemnitee for Losses resulting from the sole negligence, active negligence or willful misconduct of such Indemnitee or its agents, servants or independent contractors who are directly responsible to such Indemnitee or from a defect in design furnished by such Indemnitee, where such sole negligence, active negligence, willful misconduct or design defect has been determined by agreement of Contractor and that Indemnitee or has been adjudged by the final and binding findings of a court or arbitrator of competent jurisdiction. In instances where the active negligence or willful misconduct of an Indemnitee or its agents, servants or independent contractors who are directly responsible to such Indemnitee or a defect in a design furnished by such an Indemnitee accounts for only a portion or percentage of the Loss involved, the obligation of Contractor will be for that portion or percentage of the Loss not due to such active negligence, willful misconduct or design defect.

**3.18.2 Indemnification of Adjacent Property Owners.** In the event the Contractor enters into an agreement with the owners of any adjacent property to enter upon such property for the purpose of performing the Work or other activities incidental to the Work, Contractor shall fully indemnify, defend and hold harmless any person or entity which owns or has any interest in such adjacent property against any Loss resulting from the acts or omissions of the Contractor or its Subcontractors. The form and content of such indemnification agreement shall be approved by County prior to commencement of any Work on or around such property.

**3.18.3 Insurance and Employment Benefits.** The indemnification, defense and hold harmless obligations of Contractor under this Section 3.18, as well as any such obligations stated elsewhere in the Contract Documents: (1) shall not be limited by the amounts or types of insurance (or the deductibles or self-insured retention amounts of such insurance) which any Indemnitee, Contractor or any Subcontractor carries or is required to carry under the terms of the Contract Documents; (2) is independent of and in addition to the Indemnitees' rights under the insurance to be provided by an Indemnitee, Contractor or any Subcontractor; and (3) shall not be limited, in the event of a claim against an Indemnitee by an employee of Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, by a limitation on amount or type of damages, compensation or benefits payable by or for Contractor or Subcontractor under any worker's compensation act, disability benefit act or other employee benefit program.

**3.18.4 Subcontractor Indemnity Agreements.** Contractor agrees to obtain or cause to be obtained executed defense and indemnity agreements with provisions identical to those set forth in this Section 3.18 from each and every Subcontractor, of every Tier.

**3.18.5 Implied Indemnity Rights.** Notwithstanding anything stated in this Section 3.18 or elsewhere in the Contract Documents to the contrary, an Indemnitee's right to seek equitable indemnity and contribution from Contractor is in no way diminished, limited or precluded by any agreement by Contractor to provide express contractual indemnity to such Indemnitee. Contractor's obligations under this Section 3.18 shall be deemed to completely eliminate and preclude any right by Contractor to seek contractual or equitable indemnity or contribution from any Indemnitee for any Loss covered by the Contractor's express indemnification obligations under this Section 3.18.

**3.18.6 Obligation to Defend.** The Contractor's obligation to defend under this Section 3.18 includes, without limitation, the obligation to immediately reimburse an Indemnitee for any attorney's fees, court costs (statutory and non-statutory), arbitration and mediation expenses, professional, expert and consultant fees, investigative costs, postage costs, document copying costs, telecopy costs and any and all other costs and expenses associated with defense of such Indemnitee as and when incurred by any Indemnitee in defense of a claim by any third person or entity as a result of Contractor's failure or refusal to comply with its immediate defense obligation to such Indemnitee. Nothing stated in this Section 3.18 or elsewhere in the Contract Documents shall be interpreted as providing or implying that the obligation of Contractor to defend an Indemnitee against an alleged Loss that is within the scope of the Contractor's indemnification obligation under this Section 3.18 or under any other provision of the Contract Documents is to any extent released, excused, limited or relieved by a finding, determination, award or judgment by a court or arbitrator that the alleged Loss was due to circumstances not within the scope of such indemnification obligation.

**3.18.7 Enforcement.** The Indemnitees shall be entitled to recover their attorneys' fees, costs and expert and consultant costs in pursuing or enforcing a right to defense and/or indemnification under this Section 3.18.

### **3.19 LABOR, WAGES, PAYROLL RECORDS**

**3.19.1 Public Work.** This Work is a "public work" as defined in Labor Code §1720 and must be performed in accordance with the requirements of Labor Code §§1720 to 1850 and Title 8 California Code of Regulations §§16000 to 17270, which govern the payment of prevailing wage rates on public works projects.

**3.19.2 Prevailing Wage Rates.** Pursuant to the provisions of Article 2 (commencing at §1770), Chapter 1, Part 7, Division 2 of the Labor Code of California, the Board of Supervisors has obtained the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime Work in the locality in which the Work is to be performed for each craft, classification or type of worker needed to execute the Work from the Director of the Department of Industrial Relations. These rates are on file with County and copies will be made available to any interested party on request. Contractor shall post a copy of such wage rates at the Site. The adoption of such wage rates is not a representation that labor can be obtained at these rates. It is the responsibility of Contractor to inform itself as to the local labor conditions. Holiday and overtime Work, when permitted by Applicable Laws, shall be paid for at a rate of at least one and one-half times the adopted rate of per diem wages, unless otherwise specified. Holidays shall be defined in the collective bargaining agreement applicable to each particular craft, classification or type of worker employed.

**3.19.3 Unclassified Workers.** Any worker employed to perform the Work not covered by any classification listed in the general prevailing wage rate of per diem wages determined by the Director of the Department of Industrial Relations shall be paid not less than the minimum rate of wages specified therein for the classification which most nearly corresponds to the Work to be performed by him/her, and such minimum wage rate shall be retroactive to time of initial employment of such person on the Project in such classification.

**3.19.4 Per Diem Wages.** Contractor shall pay or shall cause to be paid each worker engaged in the Work not less than the general prevailing rate of per diem wages determined by the Director of the Department of Industrial Relations, regardless of any contractual relationship which may be alleged to exist between Contractor or any of the Subcontractors and such workers. Pursuant to California Labor Code §1773.1, per diem wages are deemed to include employer payments for health and welfare, pension, vacation, travel time and subsistence pay.



**3.19.5 Applicable Laws.** Contractor represents and warrants that the Contractor's Bid and the Contract Price includes funds sufficient to allow Contractor to comply with all Applicable Laws governing the labor or services to be provided. Contractor shall defend and indemnify the Indemnitees in accordance with Section 3.18, above, for any violation of any Applicable Law, including but not limited to California Labor Code §2810, and agrees to pay all assessments, including wages and penalties, made against County in relation to such violations.

**3.19.6 Posting at Site.** Contractor shall post at appropriate conspicuous points on the Site the prevailing wage rates of the Department of Industrial Relations in accordance with 8 California Code of Regulations 16100(b).

**3.19.7 Worker Hours.** As provided in Article 3 (commencing at §1810), Chapter 1, Part 7, Division 2 of the California Labor Code, eight (8) hours of labor shall constitute a legal day's work. The standard work day of any worker employed at any time by Contractor or any of the Subcontractors performing the Work, or any part of the Work, shall, except as hereinafter provided, be limited and restricted by Contractor to eight (8) hours per day, between the hours of 6:00 A.M. and 6:00 P.M. (unless otherwise required by Applicable Laws), plus one-half hour unpaid lunch approximately midway through the shift, provided that Contractor or any of the Subcontractors may establish a four day/ten-hour schedule consistent with Applicable Laws pertaining to payment of prevailing wages and the provisions any applicable collective bargaining agreement. A regular-work week shall constitute forty (40) hours during any one week. Notwithstanding the provisions hereinabove set forth, the parties hereto may agree to changes in the work day or the work week as permitted by Applicable Laws, and Contractor and all Subcontractors must pay the appropriate prevailing wage rate for those hours and days worked.

**3.19.8 Overtime.** Overtime work performed by employees of Contractor or any of the Subcontractors shall be compensated according to the applicable general prevailing rate established by the Department of Industrial Relations for holiday and overtime work for each craft, classification or type of worker in the locality in which the Work is to be performed.

**3.19.9 Payroll Records.** It shall be the sole responsibility of Contractor to ensure compliance with the provisions of Applicable Laws and the Contract Documents relating to maintenance and submission of payroll records. Pursuant to the provisions of California Labor Code §1776, Contractor shall keep, and shall cause each Subcontractor performing any portion of the Work to keep, accurate certified payroll records, showing the name, address, social security number, worker classification and straight-time and overtime hours worked each Day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by Contractor in connection with the Work. Certified payroll records must be in the payroll reporting format prescribed by the Division of Labor Standards Enforcement. If there is no work by Contractor or a Subcontractor in a given week, Contractor must keep and submit a certified "Nonperformance" payroll record, indicating "no work" for that week. Contractor shall submit all certified payroll records to County in complete, unredacted form with an original signature on the Statement of Compliance, along with, and as a condition to, its Applications for Payment. Additionally, payroll records shall be available for inspection at all reasonable hours at the principal office of Contractor on the following basis:

.1 a certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his or her authorized representative on request;

.2 a certified copy of all such payroll records shall be made available for inspection or furnished upon request to County, the Division of Labor Standards Enforcement and/or the Division of Apprenticeship Standards of the Department of Industrial Relations or such other person or entity as designated by County;

.3 a certified copy of all such payroll records shall be made available upon request by the public for inspection or the copying thereof, provided that (1) such request is made by the public through either County, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement of the Department of Industrial Relations, (2) such requested payroll records have not previously been provided pursuant to Subparagraph 3.19.9.2, above, then the requesting individual or entity shall, prior to being provided the records, reimburse the costs of preparation by Contractor, the Subcontractors and the entity through which the request was made, and (3) the public shall not be given access to records at the principal office of Contractor;

.4 Contractor and each Subcontractor shall within ten (10) Days after receipt of a written request file a certified copy of such payroll records with the person or entity that requested the records;

.5 Contractor shall provide, and shall cause each Subcontractor to provide, payroll records as defined in Title 8 California Code of Regulations §16000 to County within ten (10) Days after receipt of written request, at no cost to County;

.6 any copy of such payroll records made available for inspection by, and copies furnished to, the public shall be redacted in a manner so as to prevent disclosure of an individual's name, address, and social security number, except that any copy made available for inspection by, and copies furnished to, a joint labor-management committee established pursuant to the federal Labor Management Cooperation Act of 1978 (29 U.S.C. Section 175a) shall be marked or redacted only to prevent disclosure of an individual's name and social security number, and in either event, the name and address of Contractor or the Subcontractor performing the Work shall not be so obliterated; and

.7 any copy made available to an agency included in the Joint Enforcement Strike Force on the Underground Economy established pursuant to Section 329 of the Unemployment Insurance Code and other law enforcement agencies investigating violations of law shall, upon request, be provided nonredacted copies of certified payroll records;

.8 Contractor shall inform County concurrently with the submission of its initial Application for Payment, of the location of such payroll records, including the street address, city and county, and thereafter shall, within five (5) working days, provide a notice of any change of location and address of such payroll records.

**3.19.10 Apprentices.** Contractor acknowledges that, even if performance of the Work involves a dollar amount greater than or a number of working days greater than that specified in California Labor Code §1777.5, it shall be the sole responsibility of Contractor, for all apprentice occupations, to ensure compliance with California Labor Code §1777.5, including, without limitation, the following provisions:

.1 Apprentices of any crafts or trades may be employed and, when required by California Labor Code §1777.5, shall be employed provided they are properly registered in full compliance with the provisions of the California Labor Code.

.2 Every such apprentice shall be paid the prevailing rate of per diem wages for apprentices in the trade to which he or she is registered and shall be employed only at the work of the craft or trade to which he or she is registered.

.3 Only apprentices, as defined in California Labor Code §3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4 (commencing at §3070), Division 3 of the California Labor Code, are eligible to be employed at the apprentice wage rate on Public Works. The employment and training of each apprentice shall be in accordance with either: (1) the apprenticeship standards and apprentice agreements under which he or she is training, or (2) the rules and regulations of the California Apprenticeship Council.

.4 Contractor and any of the Subcontractors employing workers in any apprenticeable craft or trade in performing any of the Work shall apply to the applicable joint apprenticeship committee for a certificate approving Contractor or the Subcontractor under the applicable apprenticeship standards and fixing the ratio of apprentices to journeymen employed in performing the Work.

.5 Prior to commencing the Work, Contractor shall submit contract award information to an applicable apprenticeship program that can supply apprentices to the Site of the Work. The information submitted shall include an estimate of journeyman hours to be performed under the Construction Contract, the number of apprentices proposed to be employed, and the approximate dates the apprentices would be employed. A copy of this information shall also be submitted to County if requested by County.

.6 The ratio of the Work performed by apprentices to journeymen employed in a particular craft or trade on the Work may be no higher than the ratio stipulated in the apprenticeship standards under which the apprenticeship program operates, where Contractor or the Subcontractor agrees to be bound by those standards, but,

except as otherwise provided in this Paragraph, in no case shall the ratio be less than one (1) hour of apprentice work for every five (5) hours of journeyman work. Apprentices may comprise up to thirty percent (30%) of the work force of each particular craft, classification or type of worker employed, unless the applicable joint apprenticeship committee establishes a lower percentage. To the extent possible, fifty percent (50%) of the apprentice work force shall consist of first-year apprentices.

.7 The interpretation and enforcement of California Labor Code §1777.5 shall be in accordance with the rules and procedures of the California Apprenticeship Council.

.8 Contractor and all the Subcontractors shall comply with California Labor Code §1777.6, which forbids certain discriminatory practices in the employment of apprentices.

.9 Contractor shall become fully acquainted with the law regarding apprentices prior to commencement of the Work, paying special attention to California Labor Code §§1777.5, 1777.6, and 1777.7 and Title 8, California Code of Regulations, §§200 et seq. Questions may be directed to the State Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, California.

**3.19.11 Pre-Construction Meetings, Interviews.** Contractor shall attend any pre-construction meetings held by County to discuss labor requirements. Contractor and the Subcontractors shall allow County, County Consultants and the Department of Industrial Relations, and designated representatives of each, to conduct, at their discretion, interviews of workers at the Site during working hours.

#### **3.19.12 Penalties for Violations.**

.1 **Prevailing Wage Violations.** Pursuant to California Labor Code §1775, Contractor and any of the Subcontractors shall, as a penalty, pay an amount not to exceed Two Hundred Dollars (\$200) for each Day, or portion thereof, for each worker paid less than the prevailing rates, determined by the Director of the Department of Industrial Relations, for the trade or craft in which such worker is employed by Contractor or, except as provided by said §1775, by any of the Subcontractors, of any Tier, for performance of the Work. The amount of this penalty shall be determined by the Labor Commissioner and shall be based on consideration of both: (1) whether the failure of Contractor or the Subcontractor to pay the correct rate of per diem wages was a good faith mistake and, if so, whether the error was promptly and voluntarily corrected upon being brought to the attention of Contractor or the Subcontractor; and (2) whether Contractor or the Subcontractor has a prior record of failing to meet its prevailing wage obligations. The difference between the amount owed to each worker pursuant to such prevailing wage rates, and the amount paid to each worker for each Day or portion thereof for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by Contractor.

.2 **Working Hour Violations.** Pursuant to Labor Code §1813, Contractor shall pay a penalty of Twenty-Five Dollars (\$25) per worker employed in the performance of the Work by Contractor or by any of the Subcontractors for each Day during which such worker is required or permitted to work more than eight (8) hours in any Day and forty (40) hours in any one calendar week in violation of the provisions of Article 3 (commencing at §1810), Chapter 1, Part 7, Division 2 of the California Labor Code.

.3 **Payroll Record Violations.** Pursuant to California Labor Code §1776, Contractor shall in the event of a failure to comply within ten (10) Days with any written notice requesting the records enumerated in subdivision (a) of said §1776, pay a penalty of One Hundred Dollars (\$100) for each Day, or portion thereof, for each worker, until Contractor has strictly complied with such request. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

.4 **Apprenticeship Violations.** Pursuant to California Labor Code §1777.7, if Contractor or the Subcontractor is determined by the Chief of the Division of Apprenticeship Standards (the "Chief") to have knowingly committed a first-time violation of California Labor Code §1777.5, Contractor or the Subcontractor shall pay, as a civil penalty, an amount not exceeding One Hundred Dollars (\$100) for each full Day of noncompliance, provided that the amount of this penalty may be reduced by the Chief if the penalty would be disproportionate to the severity of the violation. In lieu of this penalty, the Chief may, for a first-time violation and with the concurrence of the joint apprenticeship committee, order Contractor or the Subcontractor to provide apprentice employment equivalent to the

work hours that would have been provided for apprentices during the period of noncompliance. If such violation by Contractor or the Subcontractor is a second or subsequent violation committed within a three (3) year period from a previous violation of §1777.5, Contractor or the Subcontractor shall pay, as a civil penalty, to County the sum of not more than Three Hundred Dollars (\$300) for each full Day of noncompliance. County shall withhold the amount of the civil penalty from contract progress payments then due or to become due. In addition, if Contractor or the Subcontractor is determined to have knowingly committed a serious violation of any provision of §1777.5, the Chief may deny to Contractor or the Subcontractor, and to its responsible officers, the right to bid on or be awarded a contract to perform work as a subcontractor on any subsequent project for County for a period of up to one (1) year for the first violation and for a period of up to three (3) years for a second or subsequent violation.

**3.19.13 Subcontractor Provisions.** Contractor shall include, and shall require the Subcontractors to include, contractual provisions in all contracts they enter into for the performance of the Work requiring compliance with the provisions of this Section 3.19 at no additional cost.

**3.19.14 Condition of Payment.** Compliance by Contractor with the requirements of this Section 3.19 and each of its Paragraphs shall be a condition to Contractor's right to payment under its Applications for Payment. Without limitation to the foregoing, payments to Contractor shall not be made when payroll records are delinquent or inadequate.

### **3.20 LABOR CODE §2810**

**3.20.1 Application.** The provisions of this Section 3.20 apply only if the Contractor has not executed a collective bargaining agreement covering the workers who will be employed to perform the Work.

**3.20.2 Declaration by Contractor.** If a Declaration of Sufficiency of Funds has not been submitted by Contractor as a Post-Award Submittal, then it must be submitted prior to Award. In executing the Construction Contract, Contractor warrants and represents that all of the statements contained in its Declaration of Sufficiency of Funds remain true and correct as of the date of execution of the Construction Contract and may be relied upon by County in determining whether there appears to be sufficient funds in the Contractor's Bid to allow the Contractor to comply with all Applicable Laws governing the labor or services to be provided for the performance of the Work. The truth and accuracy of the statements contained in said Declaration and in this Paragraph 3.20.2 constitute a material part of the Contractor's consideration for, and a material inducement to the County's entering into, the Construction Contract.

**3.20.3 Continuing Duty.** To the extent that any of the information provided in the Declaration of Sufficiency of Funds submitted by Contractor relating to numbers of workers or independent contractors that will be employed or utilized for performance of the Work was or is based upon a best estimate, rather than actual figures or information, then the Contractor assumes the continuing duty to the County to ascertain the actual figures and information requested in the Declaration of Sufficiency of Funds and to provide such actual figures and information to the County in the form of a revised and updated Declaration of Sufficiency of Funds once the actual figures and information become known.

### **3.21 URBAN RUNOFF AND STORM WATER COMPLIANCE**

**3.21.1 Contractor's Responsibility.** If and to the extent storm water permitting, control, mitigation or discharge control is required by Applicable Laws, the Contractor shall: (1) prior to starting any Work at the Site, sign and implement the Storm Water Management Plans or Storm Water Pollution Prevention Plans as previously prepared by the County's Consultant for civil engineering or by others; (2) take all necessary steps to monitor, report, enforce and otherwise implement and comply with the requirements of the Storm Water Permit, Storm Water Management Plans and Storm Water Pollution Prevention Plans and all Applicable Laws pertaining to the elimination or mitigation of storm water pollutant discharge to separate storm sewer systems or other watercourses, including without limitation, applicable requirements of the State Water Resources Control Board, Santa Ana, San Diego, and/or Colorado Region Water Quality Control Boards and municipal storm water management programs; (3) adhere to and implement the Special Provisions for Urban Runoff and Water Pollution Control set forth in the Specifications; and (4) ensure that the Work is constructed in conformance with those post-construction best management practices (BMPs) identified within the project-specific Water Quality Management Plan (WQMP).

**3.21.2 Inspections, Reports.** Contractor shall immediately notify the person identified to Contractor as the County's "project manager" for the Project of all inspections by Government Authorities (including, but not limited to, any regional board staff) and, if practicable, arrange for participation by such Governmental Authorities in any other pertinent inspections conducted at the Site. Contractor shall provide to County copies of all reports and monitoring information related to the matters covered by this Section 3.21.

**3.21.3 Violations.** The Contractor recognizes and understands that failure to comply with the requirements of any applicable storm water-related permit issued by the State of California of the United States pursuant to the Clean Water Act (Title 33 U.S.C. §§ 1251 et seq) and/or the Porter Cologne Water Quality Control Act (California Water Code §§13000 et seq.) is a violation of Applicable Laws. Contractor shall be responsible for all Losses and for any liability (including, without limitation, fines, penalties and other administrative liabilities and costs) imposed by Applicable Laws as a result of the Contractor's failure to comply with Applicable Laws, including, without limitation, the requirements of this Section 3.21.

**3.21.4 Condition of Payment.** Compliance by the Contractor with the requirements of this Section 3.21 shall be a condition to the Contractor's right to payment under its Applications for Payment.

**3.21.5 Costs of Compliance.** The Contractor represents and warrants that it has included in it Bid all costs of compliance with the requirements of this Section 3.21.

### **3.22 SOLID WASTE MANAGEMENT**

Contractor shall comply with all provisions of Applicable Laws (including, without limitation, the requirements of the California Public Resources Code, rules and regulations of the California Integrated Waste Management Board and provisions of any Site-specific plans adopted by County) that are applicable to the activities of contractors performing construction or related activities on the Site. Compliance by Contractor with the requirements of this Section 3.22 shall be a condition to Contractor's right to payment under its Applications for Payment.

### **3.23 CEQA COMPLIANCE**

No Work that is subject to California Environmental Quality Act (CEQA) shall proceed by Contractor until Contract Documents satisfying the CEQA process are reviewed and approved by the County. Contractor shall comply with all applicable CEQA requirements. If there is a federal nexus (e.g. a source of federal funding) to the Project, compliance by Contractor with the National Environmental Policy Act (NEPA) will be required in addition to and in conjunction with compliance with requirements of CEQA. The Contractor shall comply with the conditions identified on the Plans and Specifications for compliance with the California Environmental Quality Act, including, without limitation, all requirements pertaining to Mitigation, Monitoring, and Reporting Program (MMRP).

### **3.24 AQMD COMPLIANCE**

Contractor is responsible for full and complete compliance with, as applicable: (1) AQMD Rule 403.1, County Ordinance 742, the County MOU with AQMD dated January 6, 2004 Agenda Item 3.1 (for projects in the Coachella Valley); or (2) AQMD Rule 403 (for projects west of the Coachella Valley). Any fines imposed by AQMD on the County, as well as any other Loss to County, as a result of non-compliance by Contractor with the applicable provisions of the foregoing requirements are the responsibility of Contractor and upon request by County will be paid to County by Contractor or may be withheld by County from amounts due to Contractor under its Applications for Payment.

## **ARTICLE 4 CONSTRUCTION ADMINISTRATION**

### **4.1 ARCHITECT**

**4.1.1 Scope of Authority.** The Architect shall have the authority to act on behalf of County only as expressly provided in the Contract Documents and subject to such limitations on authority as set forth in Paragraph 4.1.2, below. As clarification of the foregoing, if the Contract Documents provide that the Architect has the right to approve of, consent to or direct that Contractor take or forbear from taking an action, such authority shall be limited to

issuing such approval, consent or direction and shall not include, or be interpreted to include, authority to bind County with respect to any of the matters set forth in Paragraph 4.1.2, below. If Contractor's compliance with such approval, consent or direction of the Architect would involve or require authorization by County within the scope of the matters set forth in Paragraph 4.1.2, below, Contractor has the obligation, in addition to complying with the Architect's approval, consent or direction, to take steps in accordance with the Contract Documents to obtain such authorization of County as may be required and failing to do so shall not have any right to recourse or recovery from County on account of Contractor's action taken or Work performed in response to such approval, consent or direction by Architect.

**4.1.2 Limitations on Authority.** Without limitation to the other limitations on the Architect's authority expressed or implied under Paragraph 4.1.1, above, and notwithstanding anything else set forth in the Contract Documents to the contrary, Architect does not have authority to: (1) obligate or commit County to any payment of money; (2) obligate County to any adjustment to the Contract Price or Contract Time; (3) relieve Contractor of any of its obligations under the Contract Documents; (4) approve or order any Work involving Delay or Extra Work; or (5) perform any act, make any decision or give any direction or approval that is described in these General Conditions as an act, decision, direction or approval that is to be performed, made or given by any person or entity other than Architect.

**4.1.3 Work Stoppage.** Architect's authority includes, without limitation, the authority to stop the Work whenever such stoppage may be necessary, in Architect's opinion, for the proper execution of the Work. Any Work that is stopped or disapproved by order of Architect shall be resumed if and when County so directs in writing, with or without the concurrence of the Architect.

**4.1.4 Replacement.** County may, in its sole discretion, substitute another person or entity, or add persons or entities, to perform the functions of Architect or to exercise some or all of the authority of Architect provided for in the Contract Documents.

**4.1.5 County Rights.** All rights and authority conferred upon Architect under the Contract Documents constitute rights that County may, in its sole and absolute discretion, exercise in writing on its own behalf, irrespective of whether the County has ordered the removal, replacement or a change in the authority of the Architect.

## **4.2 ADMINISTRATION OF THE WORK ORDER CONTRACT**

**4.2.1 Observations of the Work.** Architect will visit the Site as appropriate to the stage of the Work to observe the Work in progress. Observations shall be for the purpose of ascertaining the progress of the Work and that the character, scope, quality and detail of construction (including workmanship and materials) comply with the Contract Documents, the Architect's directives, approved Submittals and clarifications issued by Architect. Observations shall be separate from any inspections which may be provided by others.

**4.2.2 Means, Methods.** Construction means, methods, techniques, sequences, procedures and safety precautions and programs in connection with the Work are solely the responsibility of Contractor. Neither County nor Architect: (1) has control over or charge of, nor are they responsible for, Contractors or any Subcontractor's construction means, methods, techniques, sequences, procedures, safety precautions or programs in connection with the Work, all of which are, as between Contractor and County, solely Contractor's responsibility; (2) is responsible for Contractor's failure to carry out the Work in accordance with the Contract Documents; or (3) has control over, charge of, or responsibility for acts or omissions of Contractor, the Subcontractors or their agents or employees, or of any other persons performing portions of the Work.

**4.2.3 Communications by Contractor.** County shall be provided by Contractor with copies of all communications from Contractor or the Subcontractors to Separate Contractors or the Architect. Contractor shall not rely on oral or other non-written communications.

**4.2.4 Review of Applications for Payment.** If requested by County, Architect will review and certify all Applications for Payment by Contractor, including Applications for Payment requesting Progress Payments and Final Payment. In such cases, if the Architect and County do not concur in respect to the amount to be paid to Contractor, County's determination of the amount due will prevail.

**4.2.5 Rejection of the Work.** Architect will have authority to reject Work that does not conform to the Contract Documents and to require additional inspection or testing, in accordance with Article 10, below, whether or not such Work is fabricated, installed or completed. Whenever Architect considers it necessary or advisable for implementation of the intent of the Contract Documents, Architect will have authority to require additional inspection or testing of the Work in accordance with Article 10, below, whether or not such Work is fabricated, installed or completed. Neither Architect's authority to act under this Paragraph 4.2.5 nor a decision made in good faith either to exercise or not to exercise such authority, shall give rise to a duty or responsibility of Architect to Contractor, the Subcontractors, their agents or employees, or other persons performing any of the Work. County shall have the right, notwithstanding a recommendation by the Architect pursuant to this Paragraph 4.2.5 to reject a portion of the Work, to elect to accept the Work rejected by Architect and to direct in writing the manner in which the Work is to be performed and Contractor shall comply therewith.

**4.2.6 Review of Submittals.** Architect and such other County Consultants as Architect or County determines appropriate will review, approve or take other appropriate action upon the Contractor's Submittals. Such review, approval and other action taken in regard to a Submittal is for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents and is not conducted for the purpose of determining the technical accuracy and completeness of the Submittal, checking details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the sole responsibility of Contractor. Actions by Architect and County Consultants in connection with review of a Submittal by Contractor will be taken with such promptness as to cause no unreasonable Delay in the Work of Contractor or in the activities of the Separate Contractors or County, while allowing sufficient time in their judgments to permit adequate review. Whether or not County has identified a particular Submittal for review by Architect or a County Consultant, Contractor shall in all cases submit Submittals sufficiently in advance to allow time to permit adequate review by Architect and other County Consultants. Neither Architect's nor any County Consultant's review of a Submittal shall: (1) relieve Contractor of its obligations under Section 3.11, above; (2) constitute approval of safety precautions or, unless otherwise specifically stated in writing by the Architect or County Consultant at the time such Submittal is returned to Contractor; (3) be construed as an approval of any construction means, methods, techniques, sequences or procedures; and (4) if it involves review or approval of a specific item, be construed as indicating approval of an assembly of which such item is a component.

**4.2.7 Changes.** After consultation with the Architect, County will prepare the Change Orders, Unilateral Change Orders, Unilateral Work Orders and Construction Change Directives for execution and take appropriate action thereon in accordance with Article 7, below.

### **4.3 CLAIMS**

**4.3.1 Submission of Claims.** All Claims by Contractor shall be submitted in accordance with the procedures set forth in this Section 4.3.

#### **4.3.2 Arising of Claim.**

**.1 Changes.** A Claim by Contractor involving a Contract Adjustment due to a Compensable Change or Deleted Work arises upon issuance of a decision denying, in whole or in part, Contractor's Change Order Request. Such Claim shall be prepared and submitted in accordance with the requirements of this Section 4.3, including, without limitation, Paragraphs 4.3.3 through 4.3.5, below.

**.2 Other Claims.** Claims by Contractor other than those described in Subparagraph 4.3.2.1, above, arise at the time that County receives written notice by Contractor of Contractor's intent to file the Claim. Such notice of intent shall be given no later than five (5) Days after the Discovery Date relative to such circumstances (even if Contractor has not yet experienced a Loss or Delay due to such circumstances) and shall state the event or condition giving rise to the Claim and its probable effect, if any, upon the Contract Price and Contract Time. **FAILURE BY CONTRACTOR TO SUBMIT A NOTICE OF INTENT TO FILE CLAIM IN ACCORDANCE WITH THIS SUBPARAGRAPH 4.3.2.2 SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO FURTHER RECOURSE OR RECOVERY UPON SUCH CLAIM.**

**4.3.3 Content of Claims.** A Claim must include the following:

.1 a statement that it is a Claim and a request for a decision on the Claim;

.2 a detailed description of the act, error, omission, unforeseen condition, event or other circumstance giving rise to the Claim;

.3 supporting documentation as follows: (1) if the Claim involves a Contract Adjustment due to Compensable Change or Deleted Work, documentation demonstrating that a complete Notice of Change and Supplemental Work Order, Change Order Request were timely and properly submitted as required by Article 7, below; (2) if the Claim involves an adjustment to the Contract Time, documentation demonstrating that a complete Notice of Delay and Request for Extension were timely and properly submitted as required by Article 7 and Article 8, below; and (3) if the Claim does not involve a Contract Adjustment on the basis of Compensable Change or Deleted Work, documentation demonstrating that a notice of intent to file the Claim was timely and properly submitted as required by Subparagraph 4.3.2.2, above;

.4 a detailed justification for any remedy or relief sought by the Claim, including, without limitation, all of the following: (1) a detailed cost breakdown in the form required for submittal of Supplemental Work Order, Supplemental Work Order Proposals, which complies with the prohibition on "total cost" calculations set forth in Paragraph 7.7.15, below; and (2) job cost records substantiating the actual costs that have been incurred; and

.5 a written certification, signed by a responsible managing officer or principal of Contractor's organization who has the authority to sign contracts on behalf of Contractor and who has personally investigated the matters alleged in the Claim, in the following form:

"I hereby certify under penalty of perjury that I am a managing officer or principal of (Contractor) and that I have reviewed the Claim presented herewith on Contractor's behalf and/or on behalf of (Subcontractor(s)) and that the following statements are, to the best of my knowledge after diligent inquiry into the circumstances of such Claim, true and correct:

(i) the facts alleged in or that form the basis for the Claim are true and accurate;

(ii) I do not know of any facts or circumstances, not alleged in the Claim, that by reason of their not being alleged render any fact or statement alleged in the Claim materially misleading;

(iii) I have, with respect to any request for money or damages alleged in or that forms the basis for the Claim, reviewed the job cost records (including those maintained by Contractor and by any Subcontractor, of any Tier, that is asserting all or any portion of the Claim) and confirmed with reasonable certainty that the losses or damages alleged to have been suffered by Contractor and/or such Subcontractor were in fact suffered in the amounts and for the reasons alleged in the Claim;

(iv) I have, with respect to any request for extension of time or claim of delay, disruption, hindrance or interference alleged in or that forms the basis for the Claim, reviewed the job schedules (including those maintained by Contractor and by any Subcontractor, of any Tier, that is asserting all or any portion of the Claim) and confirmed that the delays or disruption alleged to have been suffered by Contractor and/or such Subcontractor were in fact experienced for the durations, in the manner, and with the consequent effects on the time and/or sequence of performance of the Work, as alleged in the Claim; and,

(v) Contractor has not received payment from County for, nor has Contractor previously released County from, any portion of the Claim.



Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_

**4.3.4 Noncompliance.** Failure by Contractor to comply with Paragraph 4.3.3, above, shall give County the right, without obligation, to deny the Claim or return the Claim without any response.

**4.3.5 Submission of Claims.**

**.1 Time for Filing.** All Claims and supporting documentation and certifications required to be submitted by Contractor must be submitted to the County within thirty (30) Days after the Claim arises (as "arises" is defined in Paragraph 4.3.2, above). No Claims by Contractor are permitted after Final Payment.

**.2 Condition Precedent.** Contractor's strict compliance with the requirements of this Section 4.3 as to a Claim shall be considered a condition precedent to Contractor's right to initiate or seek determination of its rights in any legal proceedings with respect to such Claim.

**4.3.6 Response to Claims by Contractor.**

**.1 Claims under \$50,000.** Claims by Contractor that are less than Fifty Thousand Dollars (\$50,000) shall be responded to by County by issuance of a Good Faith Determination of the Claim in writing within forty-five (45) Days of receipt of the Claim, unless County requests additional information or documentation of the Claim within thirty (30) Days of receipt of the Claim, in which case County shall respond to the Claim after receipt of the further information or documentation by issuing its Good Faith Determination of the Claim within the longer of either (1) fifteen (15) Days, or (2) the period of time taken by Contractor in producing the additional information or documentation.

**.2 Claims over \$50,000.** Claims by Contractor that are over Fifty Thousand Dollars (\$50,000) shall be responded to by County by issuance of a Good Faith Determination of the Claim in writing within sixty (60) Days of receipt of the Claim, unless County requests additional information or documentation of the Claim within thirty (30) Days of receipt of the Claim, in which case County shall respond to the Claim after receipt of the further information or documentation by issuing its Good Faith Determination within the longer of either (1) thirty (30) Days, or (2) the period of time taken by Contractor in producing the additional information or documentation.

**4.3.7 Meet and Confer.** If Contractor disputes County's Good Faith Determination of a Claim by Contractor, or if County fails to respond within the prescribed time set forth in Paragraph 4.3.6, above, Contractor may so notify County, in writing, within fifteen (15) Days of Contractor's receipt of County's Good Faith Determination, or within fifteen (15) Days of County's response due date in the event of a failure to respond, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand, County shall schedule a meet and confer conference within thirty (30) Days of such demand for discussion of settlement of the dispute. If either County or Contractor determines that the meet and confer process has not been successful, it shall have the right to declare the meet and confer process closed by written notice to the other party so stating.

**4.3.8 Claims Based on Differing Site Conditions.**

**.1 Contractor Responsibility.** Save and except as hereinafter provided in this Paragraph 4.3.8 for Contract Adjustments due to Differing Site Conditions, Contractor agrees at Contractor's Own Expense to assume the risk and costs of Extra Work and Delay due to concealed or unknown conditions, surface or subsurface, at the Site or in Existing Improvements.

**.2 Differing Site Conditions.** Differing Site Conditions are those conditions at the Site or in Existing Improvements and not otherwise reasonably ascertainable by Contractor in the performance of its obligations under the Contract Documents (including, without limitation, conditions not reasonably ascertainable by Contractor from documents or information described in Paragraph 3.2.1, above, that were provided or available to Contractor for its review prior to the Bid Closing Deadline) that constitute: (1) hazardous materials that constitute hazardous waste, as defined in California Health and Safety Code §25117, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of Applicable Laws; (2) subsurface or concealed conditions at the Site or concealed conditions in Existing Improvements which differ materially from those indicated by the Contract Documents or other information that was either reviewed by Contractor or that Contractor was given the opportunity to review prior to the Bid Closing Deadline; or (3) unknown physical conditions at the Site or concealed conditions in Existing Improvements of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

**.3 Notice of Change.** If Contractor encounters conditions it believes constitute Differing Site Conditions, then Contractor shall, before such conditions are disturbed, give Notice of Change as required by Paragraph 7.6.1, below, stating, without limitation, a detailed description and precise location of the conditions encountered.

**.4 Investigation by County.** Upon receipt of notice from Contractor as required by Subparagraph 4.3.8.3, above, County shall promptly investigate Contractor's report of Differing Site Conditions.

**.5 Supplemental Work Order Proposal Change Order Request.** If Contractor intends to seek a Contract Adjustment based upon Differing Site Conditions that may be encountered it shall submit a complete and timely Supplemental Work Order Proposal Change Order Request in accordance with Paragraph 7.6.2, below, setting forth its request for a Contract Adjustment.

**.6 Contract Adjustments.** If, following Contractor's compliance with its obligations under this Paragraph 4.3.8, County finds that Differing Site Conditions exist, then, unless the Contractor's right to Contract Adjustment has been waived as pursuant to Paragraph 3.2.3, above, a Supplemental Work Order Contract Adjustment shall be made by issuing a County Change Order to which the Supplemental Work Order will serve as minimally required back-up, for the resulting Compensable Change and Compensable Delay, in such amount and duration as County determines by issuance of a Good Faith Determination are reasonable and permitted by these General Conditions.

**.7 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO STRICTLY COMPLY WITH THE REQUIREMENTS OF THIS PARAGRAPH 4.3.8 PERTAINING TO CONTRACT ADJUSTMENT BASED ON A CLAIM FOR DIFFERING SITE CONDITIONS SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO FURTHER RECOURSE OR RECOVERY UPON SUCH CLAIM.**

**.8 Final Completion.** No claim by Contractor for additional compensation for Differing Site Conditions shall be allowed if asserted after Final Payment.

**4.3.9 Continuous Work.** Contractor shall, notwithstanding the existence of a Claim by Contractor that is disputed by County, maintain continuous performance, without interruption, suspension or slowing, of the Work and its other obligations (1) pending issuance by County of a Good Faith Determination of the Claim and (2) thereafter in compliance with the terms of such Good Faith Determination.

**4.4 ATTORNEY'S FEES**

If any legal action, arbitration or other legal proceeding is brought in connection with or related to the interpretation, performance or enforcement of the Contract Documents or the performance or nonperformance of the Work, including, but not limited to, an action to rescind the Construction Contract, the prevailing party therein shall be entitled to recover from the other party the prevailing party's actual costs, expenses and attorneys' fees at arbitration, mediation, trial and on appeal. The determination of the "prevailing party" shall be based upon the party who prevails

upon the matters actually litigated or arbitrated and shall not be determined solely based on the party receiving a net monetary recovery.

#### 4.5 NOTICE OF THIRD-PARTY CLAIMS

County shall provide notification to Contractor within a reasonable time after receipt of any third-party claim relating to the Construction Contract. County shall be entitled to recover from Contractor its reasonable costs of providing such notification.

#### 4.6 WAIVERS OF RIGHTS BY CONTRACTOR

COUNTY AND CONTRACTOR ACKNOWLEDGE THAT IT IS IN THE INTERESTS OF BOTH PARTIES THAT CHANGES, DELAYS AND CLAIMS BE IDENTIFIED, QUANTIFIED, EVALUATED AND FINALLY RESOLVED PROMPTLY, CONTEMPORANEOUSLY WITH THE CIRCUMSTANCES FROM WHICH THEY ARISE, AND THAT THERE BE CERTAINTY WITH RESPECT TO THE FINALITY OF ANY RESOLUTION OF RELATED DISPUTES. ON THOSE PREMISES, AND IN FURTHER RECOGNITION OF THE FACT THAT IT WOULD BE EXTREMELY DIFFICULT OR IMPOSSIBLE TO QUANTIFY, DEMONSTRATE OR PROVE THE HARM TO COUNTY IF ANY OF THE FOREGOING PREMISES IS NOT ACHIEVED DUE TO A FAILURE BY CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS CONCERNING TIMELY NOTICE OR SUBMISSIONS OF NOTICES AND CLAIMS RELATING TO CHANGES, DELAY AND CONTRACT ADJUSTMENTS, COUNTY AND CONTRACTOR AGREE THAT FAILURE BY CONTRACTOR TO CONFORM TO SUCH REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL IN AND OF ITSELF CONSTITUTE SUFFICIENT CAUSE AND GROUNDS, WITHOUT THE NECESSITY OF COUNTY DEMONSTRATING ANY ACTUAL HARM OR PREJUDICE, FOR IMPOSING UPON CONTRACTOR A FULL AND UNCONDITIONAL WAIVER BY CONTRACTOR OF ITS RIGHT TO A CONTRACT ADJUSTMENT AND OF ITS RIGHTS AND RECOURSE FOR RECOVERY OF ANY RELATED LOSS BY ANY LEGAL PROCESS OTHERWISE PROVIDED FOR UNDER APPLICABLE LAWS.

#### 4.7 GOOD FAITH DETERMINATIONS

Wherever in the Contract Documents it is provided that the County may or shall make a determination or decision in the exercise of good faith (including, without limitation, provisions for a Good Faith Determination by County), any such determination or decision that the person exercising such right on behalf of County believes in good faith to be a proper exercise of County's rights and to have a reasonable basis in fact, whether or not such determination is in fact proper, reasonable or correct or adjudged to be so, shall be complied with by Contractor without Delay to Contractor's performance of the Work. However, unless the Contract Documents expressly provides otherwise, neither such good faith determination or decision nor Contractor's compliance therewith shall be interpreted as precluding the Contractor from exercising its rights to seek adjudication of its rights in the manner permitted by these General Conditions or Applicable Laws.

#### 4.8 ESCROW BID DOCUMENTS

If the NJPA Bidding Documents obligate Contractor to submit Escrow Bid Documents, then submission by Contractor of its Escrow Bid Documents shall constitute a warranty and representation by Contractor that it has no other written documents or electronic files containing any information that Contractor was required to include, but failed to include, as part of its performing such obligation and Contractor agrees it shall have no right to submit for consideration by County, or offer into evidence in legal proceedings, in support of a request for Contract Adjustment or a Claim any such documentation or electronic files that Contractor so failed to include in its Escrow Bid Documents.

### ARTICLE 5 SUBCONTRACTORS

#### 5.1 SUBSTITUTION

5.1.1 **Substitutions Allowed.** There shall be no substitution of or addition to the Subcontractors except as permitted by Chapter 4 (commencing at §4100), Division 2, Part 1 of the California Public Contract Code (the "Act").

5.1.2 **Contractor's Own Expense.** Any increase in the cost or time of performance of the Work resulting from the replacement, substitution or addition of a Subcontractor shall be borne solely by Contractor at Contractor's Own Expense.

5.1.3 **Substantiation of Compliance.** At any time during performance of the Work it shall be the responsibility and burden of Contractor, if requested by County, to present clear and convincing evidence that Contractor is, and all times during the bidding and Award of the Construction Contract was, in full compliance with all of the applicable provisions of the Act. Failure by Contractor to present such evidence when requested shall be deemed a breach of this Section 5.1 and of the Act, thereby entitling County to exercise any or all of its rights and remedies under the Contract Document or Applicable Laws, including, without limitation, the right to cancel the Construction Contract or assess any penalties provided for by the Act.

5.1.4 **Splitting Prohibited.** Any attempt by Contractor to avoid compliance with the Act, such as, but not limited to, by splitting the work of subcontracts with Subcontractors into separate contracts or changes orders so as to not exceed the monetary threshold of the Act applicable to listing of Subcontractors, is strictly prohibited.

## 5.2 SUBCONTRACTUAL RELATIONS

5.2.1 **Written Agreements.** Contractor shall, by written agreement entered into between the Contractor and Subcontractors no later than twenty (20) Days (or less if so indicated by the County on the Request for Proposal document for each individual Work Order) after Award, require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to Contractor by terms of the Contract Documents and to assume toward Contractor all the obligations and responsibilities which Contractor, by the Contract Documents, assumes toward County and the Architect. Each subcontract agreement shall preserve and protect the rights of County and the Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies and redress against Contractor that Contractor, by the Contract Documents, has against County. Contractor shall require each first-Tier Subcontractor to enter into similar agreements with their sub-subcontractors. Copies of applicable portions of the Contract Documents shall be made available by Contractor to the first-Tier Subcontractors and each Subcontractor shall similarly make copies of such Contract Documents available to each Subcontractor of a lower-Tier with which it contracts. Without limitation to the foregoing, each contract that is entered into by a Subcontractor, of any Tier, shall, without limitation, require the Subcontractor:

- .1 to perform the Work in accordance with the terms of the Contract Documents;
- .2 to assume toward Contractor all the obligations and responsibilities which Contractor assumes toward County by the Contract Documents;
- .3 to preserve and protect the rights of County under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights;
- .4 to waive all rights (including, without limitation, rights of subrogation) that the Subcontractor or its insurers may have against County and others required by the Contract Documents to be named as additional insured, for Losses covered by insurance carried by Contractor or County, except for such rights as the Subcontractor may have to the proceeds of such insurance held by County or such other additional insured;
- .5 to afford County and entities and agencies designated by County the same rights and remedies afforded to them under the Contract Documents with respect to access to, and the right to audit and copy at County's cost, all of the Subcontractor's books, records, contracts, correspondence, instructions, drawings, receipts, vouchers, purchase orders, memoranda and other records and documents relating to the Work and requiring the Subcontractor to preserve all such records and other items for a period of ten (10) years after Final Completion;
- .6 to recognize the rights of the County under Section 5.3, below, including, without limitation, the County's right to (1) accept assignment of the Subcontractor's agreement, (2) accept assignment of Contractor's rights as obligee under a performance bond furnished by a first-Tier Subcontractor, (3) to retain the Subcontractor pursuant to the terms of its agreement with Contractor to complete the unperformed obligations under its agreement,

and, (4) if requested by the County, to require that the Subcontractor execute a written agreement on terms acceptable to the County confirming that the Subcontractor is bound to the County under the terms of its agreement with Contractor;

.7 to submit applications for payment, requests for change orders and extensions of time and claims, and to comply with all other notice and submission requirements of the Contract Documents, sufficiently in advance to allow Contractor time to comply with its obligations under the Contract Documents;

.8 to purchase and maintain insurance in accordance with the requirements of the Contract Documents;

.9 to defend and indemnify the Indemnitees on the same terms as provided in Section 3.18, above;

.10 to comply with the nondiscrimination (Article 16, below) and prevailing wage (Section 3.19, above) provisions of these General Conditions;

.11 limiting the Subcontractor's right to additional compensation or extension of time due to Differing Site Conditions and Design Discrepancies in accordance with the provisions of Section 3.2, above;

.12 to provide for a right of termination for convenience by Contractor that limits the Subcontractor's right to compensation to an allocable share of the subcontract price that corresponds to the percentage of the Work properly performed by the Subcontractor, with no additional sum payable for any other Losses, including, without limitation, prospective damages, lost profits or consequential damages, of any kind; and

.13 to provide that time is of the essence to each of the Subcontractor's obligations.

5.2.2 **Copies.** Contractor shall, upon request by County made at any time, furnish to County true, complete, and executed copies of all contracts with the Subcontractors and amendments, modifications and change orders thereto. Progress payments shall not be made for items of the Work for which County has not received such documents following request therefor by County.

5.2.3 **No Brokering.** Contractor shall not permit any portion of the Work to be contracted to a firm acting as a broker, factor or other entity not actually performing a substantial portion of the Work with its own forces; provided, however, that nothing herein shall be interpreted as precluding the right of a Subcontractor who has agreed to provide all of the materials and labor for a trade to subcontract the labor portion only to a sub-subcontractor.

5.2.4 **Third-Party Rights.** Contractor acknowledges that County is an intended third-party beneficiary to all contracts between Contractor and its first-Tier Subcontractors. Notwithstanding the foregoing or anything else to the contrary in the Contract Documents, there is no intent on the part of County or Contractor to create any rights (including, without limitation, third-party beneficiary rights) in favor of any Subcontractor, of any Tier, against County and nothing contained in the Contract Documents and no course of conduct, act or omission on the part of County shall be construed as creating a direct or indirect contractual right in favor of any Subcontractor, of any Tier, and against County.

5.2.5 **All Subcontractor Tiers.** It is the Contractor's obligation to see to it that all obligations of the Contractor are assumed by (or, "flow down") to the Subcontractors, of every Tier, by the inclusion of contractual provisions requiring each of the Subcontractors, of every Tier, to bind not only themselves but their lower-Tier Subcontractors to the obligations assumed by Contractor under the Contract Documents.

### 5.3 CONTINGENT ASSIGNMENT OF SUBCONTRACTS

5.3.1 **Contingent Assignment.** Contractor hereby contingently assigns to County, or to such person or entity as County, in its sole and absolute discretion, designates, all of its interest in subcontracts entered into by Contractor with its first-Tier Subcontractors. If a first-Tier Subcontractor has provided a performance bond, then Contractor's rights under such performance bond are likewise hereby deemed contingently assigned to County

or its designee and provision shall be made in the performance bond for surety's consent to such contingent assignment.

**5.3.2 Acceptance by County.** The contingent assignments provided for by this Section 5.3 will be effective only as to those subcontracts and performance bonds which County or its designee accepts in writing. Said acceptance is the sole condition upon which the effectiveness of such assignments are contingent. County or its designee may accept any such assignment at any time during the course of the Work and prior to Final Completion. Such contingent assignments are part of the consideration to County for entering into the Construction Contract with Contractor and may not be withdrawn prior to Final Completion.

**5.3.3 County Obligation.** County's or its designee's sole obligation in the event it accepts a contingent assignment of a subcontract under this Section 5.3 shall be to pay in accordance with the terms of such subcontract for Work performed after written notice of acceptance of such assignment. In the event County directs that such assignment be made to County's designee, then such designee only, and not County, shall be solely liable under such assignment for Work performed after written notice of acceptance of such assignment.

#### **5.4 COMMUNICATIONS BY COUNTY**

County shall have the right to communicate, orally or in writing, with the Subcontractors with respect to matters that are related to Contractor's performance of its obligations under the Contract Documents. Nothing herein shall be interpreted as extending to County the right as part of such communications to direct the manner in which any Subcontractor performs the Work. Except as otherwise provided in the Construction Contract, General Conditions, or Contract Documents, Contractor shall be provided with a copy of all such communications that are in writing. Such communications shall not create, or be interpreted as creating, any contractual obligation of County to any Subcontractor.

#### **5.5 DOCUMENT AVAILABILITY**

Contractor shall make available to each proposed Subcontractor with whom it enters into a contract for performance of any portion of the Work, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound so as to ensure that all matters disclosed thereby are taken into consideration and included in the terms of such contracts and shall identify to such Subcontractor the terms and conditions of the proposed subcontract agreement which may be at variance with the Contract Documents. The Subcontractors shall similarly be required to make copies of applicable portions of such documents available to their respective proposed sub-subcontractors or sub-subconsultants.

#### **5.6 NO LIABILITY OF COUNTY**

Nothing set forth in this Article 5, and no action taken by County with respect to review or approval of the Subcontractors or their contracts, shall impose any liability or responsibility upon County nor relieve Contractor of its responsibilities under the Contract Documents or Applicable Laws.

### **ARTICLE 6 COUNTY'S OWN FORCES AND SEPARATE CONTRACTORS**

#### **6.1 COUNTY'S RIGHT TO PERFORM CONSTRUCTION WITH OWN FORCES AND TO AWARD SEPARATE CONTRACTS**

**6.1.1 Right of County.** County reserves the right to perform construction or operations related to the Project with County's own forces and to award other contracts to Separate Contractors in connection with other portions of the Project or other construction or operations on the Site.

**6.1.2 Separate Contractors.** Contractor shall ascertain to its own satisfaction the scope of the Project and the nature of any other contracts that have been or may be awarded by County to Separate

Contractors in prosecution of the Project. Contractor shall look solely to such Separate Contractors, and County shall not be responsible, for any Losses for which Contractor is not provided a right or recovery by means of a right to Contract Adjustment for Compensable Change or Compensable Delay, that are suffered by Contractor or the Subcontractors, of any Tier, resulting directly or indirectly from the conduct of such work by the Separate Contractors.

6.1.3 **Coordination.** Nothing in the Contract Documents creates or will create any duty on the part of County to coordinate the Work of Contractor with the work of Separate Contractors. Contractor shall, when directed to do so by County, participate with the Separate Contractors and County in reviewing the Separate Contractors' construction schedules. Contractor and Separate Contractors will coordinate all work with the other so as to facilitate the general progress of the Project. Contractor agrees that any recovery of Losses for which Contractor is not provided a right or recovery by means of a right to Contract Adjustment for Compensable Change or Compensable Delay, that are suffered by Contractor due to a failure by a Separate Contractor to coordinate its work with the Work of Contractor will be sought directly against the Separate Contractors as set forth elsewhere in this Article 6.

6.1.4 **Disputes.** Contractor and County agree that Separate Contractors in direct contractual privity with County are third party beneficiaries of the Contract Documents, but only to the extent of claims and causes of action against Contractor arising out of or resulting from Contractor's performance or failure of performance under the Contract Documents or any act or omission of Contractor or the Subcontractors causing Loss to such Separate Contractors. Contractor consents to being sued by Separate Contractors for Losses caused by Contractor or any of the Subcontractors. Contractor hereby waives lack of privity of contract with such Separate Contractors as a defense to such actions.

6.1.5 **Remedy.** If Contractor as a result of the acts or omissions of one or more of the Separate Contractors suffers a Loss that is not compensated by means of a right given to Contractor under the Contract Documents to a Contract Adjustment, then Contractor's sole remedy is to assert a claim or cause of action directly against the Separate Contractor(s) causing the Loss and Contractor hereby releases, acquits, holds harmless and forever discharges County of and from any and all liability for such Loss.

## 6.2 MUTUAL RESPONSIBILITY

6.2.1 **Use of Site.** Nothing contained in the Contract Documents shall be interpreted as granting Contractor exclusive use or occupancy of the Site. Contractor shall afford County's own forces and the Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities. Contractor shall not Delay the work of the Separate Contractors or County's own forces.

6.2.2 **Adjoining Work.** If part of Contractor's performance of the Work depends for proper execution or results upon construction or operations by County's own forces or Separate Contractors, Contractor shall, prior to proceeding with that portion of the Work, carefully inspect such construction and operations and promptly report in writing to the County apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Contractor will be responsible, at Contractor's Own Expense, for Losses to County resulting from any such discrepancies or defects not reported in accordance with this Paragraph 6.2.1 that were apparent or that should have been apparent to Contractor on careful inspection.

6.2.3 **Damage.** Contractor shall promptly remedy Loss caused by Contractor or its Subcontractors to completed construction or partially completed construction on the Site, or to property of County or the Separate Contractors.

6.2.4 **Disputes.** Contractor shall notify the County in writing within five (5) Days if it believes it has experienced or is experiencing any Delay or Loss due to the activities of County's own forces or the Separate Contractors or in the event of any dispute with County's own forces or a Separate Contractor.

6.2.5 **Settlement of Disputes.** If Contractor or any Subcontractor causes a Loss to a Separate Contractor, then Contractor will promptly settle the matter directly with the Separate Contractor and will defend, indemnify and hold County and the other Indemnitees harmless from any and all effects of such Loss in accordance with the terms of Section 3.18, above.

### 6.3 ALLOCATION OF CLEANUP COSTS

If a dispute arises among Contractor, the Separate Contractors and/or County as to the responsibility for maintaining the Site and surrounding area free from waste materials and rubbish, County may clean up such waste materials and rubbish and allocate the cost among those responsible as County determines in good faith to be just.

## ARTICLE 7 CHANGES IN THE WORK

### 7.1 CHANGES

7.1.1 **General.** County is authorized to make Changes in the Work in accordance with the provisions of this Article 7. Contract Adjustments shall take one of the following forms under this EZIQC Contract: .1

A Change Order may be issued to the EZIQC Contract to extend the duration of the EZIQC Contract and/or to increase the value of the EZIQC Contract in accordance with applicable regulations, laws and Public Contract Code, to address deleted work or compensable changes.

.2 A Supplemental Work Order may be issued in association with an existing approved Work Order, under this EZIQC Contract, to address deleted work or compensable changes.

7.1.2 **Contract Adjustments.** ~~Contract~~ Adjustments to the Work Order Contract shall only be permitted as follows: (1) the Contract Price shall only be adjusted by means of a Change Order or Unilateral Change Order for Compensable Change, Deleted Work or Compensable Delay; and (2) the Work Order Contract Time shall be adjusted by means of a Change Order or Unilateral Change Order for Excusable Delay, Compensable Delay or Deleted Work. All Contract Adjustments to the Contract Price shall conform, without limitation, to the requirements of this Article 7. All Contract Adjustments to the Contract Time shall conform, without limitation, to the applicable requirements of this Article 7 and Article 8, below.

7.1.3 **Work Order Adjustments.** Adjustments to projects for which a Work Order has been issued under the NJPA Contract shall only be permitted as follows: (1) a Supplemental Work Order shall be issued to offset the original Work Order amount by adding or deleting scope and the agreed price in accordance with the contract. A Supplemental Work Order will adjust the project cost by providing the primary back-up documentation to an approved County Change Order or Unilateral County Change Order for Compensable Change, Deleted Work or Compensable Delay; and (2) A Supplemental Work Order may also be used to offset the Work Order Time by adding or deleting days by providing primary back-up documentation to an approved County Change Order or Unilateral Change Order for Excusable Delay, Compensable Delay or Deleted Work. All Work Order Adjustments shall conform to the requirements of each project for which NJPA-EZIQC Contracting program is being used and to the Contract Documents, without limitation, as well as to the requirements of this Article 7. All Work Order Adjustments to Time shall conform, without limitation, to the applicable requirements of this Article 7 and Article 8, below.

7.1.4 **Exclusive Rights.** The rights expressly set forth in the Contract Documents for Contract Adjustments constitute Contractor's exclusive rights for additional compensation or extensions of time and are intended to be in lieu of and wholly replace any other such rights and remedies that Contractor has under Applicable Laws for recovery or relief on account of Loss or Delay in connection with performance of the Work, it being the intent of the County and Contractor that if circumstances arise for which the Contract Documents do not provide to Contractor an express right to a Contract Adjustment, then such omission of an express right shall conclusively be deemed to mean that no right to a Contract Adjustment was intended; and, consistent with that intent, no right to a Contract Adjustment on account of such circumstances shall by any means, legal or equitable, of interpretation, construction, inference, implication or application be considered, found or adjudged to exist.

7.1.5 **Written Authorization.** Any Change performed by Contractor pursuant to any direction other than a duly authorized and executed Supplemental Work Order, Change Order, Unilateral Change Order or Construction Change Directive shall be at Contractor's Own Expense.

7.1.6 **Prompt Performance.** Subject to the procedures set forth in this Article 7 and elsewhere in the Contract Documents, all Changes shall be performed promptly and without Delay.



## 7.2 SIGNATURES AND AUTHORIZATIONS

7.2.1 **Parties.** A Supplemental Work Order, as back-up to all Change Orders, and a County Change Order shall be executed by County and Contractor. A Unilateral Change Order shall be executed by the County. Construction Change Directives shall be executed in accordance with Section 7.5, below.

7.2.2 **Form.** Supplemental Work Orders, Change Orders, Unilateral Change Orders and Construction Change Directives shall be executed using forms furnished by County or, if requested by County, using forms furnished by Contractor that are approved by County.

### 7.2.3 Authorization.

#### .1 Compensable Changes.

(1) **Assistant CEO/EDA.** A Compensable Change shall be performed by Contractor only if authorized by a Supplemental Work Order, Change Order, Unilateral Change Order or Construction Change Directive signed by the Assistant CEO/EDA in accordance with the requirements of this Article 7; provided, however, that Assistant CEO/EDA's authority to bind the County to a Contract Adjustment shall be subject to the limitations of Public Contract Code §20142.

(2) **County's Project Manager.** The person identified by County as its "project manager" for the Project shall have the right to exercise the Assistant CEO/EDA's authority under this Paragraph 7.2.3, but only if and to the extent that such authority is expressly given to such project manager in a writing signed by the Assistant CEO/EDA (and not by a designee of the Assistant CEO/EDA).

(3) **Board of Supervisors.** Except as otherwise provided in Subparagraph 7.2.3.1 (4), below, if a Contract Adjustment increasing the Contract Price would exceed the limitations of Public Contract Code §20142, then in addition to written authorization by the Assistant CEO/EDA, such Compensable Change shall be performed only if approved by a vote of the Board of Supervisors in accordance with the requirements of Applicable Laws.

(4) **Disputed Changes.** If a dispute arises between County and Contractor over (a) whether a particular portion of the Work constitutes a Compensable Change or (b) the amount of the Contract Adjustment to which Contractor is entitled on account of a Compensable Change, then, notwithstanding such dispute, the Contractor shall, if ordered to do so in a Construction Change Directive signed by Assistant CEO/EDA, perform the disputed Work without Delay. Such direction by County shall not be interpreted as an agreement or admission by County that the disputed Change constitutes Extra Work or a Compensable Change for which Contractor is entitled to a Contract Adjustment. Compliance by Contractor with such direction shall not be interpreted as a waiver of Contractor's right to a Contract Adjustment if and to the extent that Contractor is entitled to a Contract Adjustment or Claim under the terms of the Contract Documents, including, without limitation, the right of Contractor to recover upon a Claim for the amount of any excess in the event that it is adjudged that the amount of the Contract Adjustment to which Contractor is entitled exceeds the limits of Public Contract Code §20142.

**.2 WRITING OF ESSENCE. IT IS OF THE ESSENCE TO THE CONSTRUCTION CONTRACT BETWEEN CONTRACTOR AND COUNTY THAT ALL CHANGES MUST BE AUTHORIZED IN ADVANCE, IN WRITING, AS REQUIRED BY THIS ARTICLE 7. ACCORDINGLY, NO VERBAL DIRECTIONS, COURSE OF CONDUCT BETWEEN THE PARTIES, EXPRESS OR IMPLIED ACCEPTANCE OF CHANGES OR OF THE WORK, OR CLAIM THAT THE COUNTY HAS BEEN UNJUSTLY ENRICHED (WHETHER OR NOT THERE HAS BEEN SUCH ENRICHMENT) SHALL BE THE BASIS FOR A CONTRACT ADJUSTMENT IF CONTRACTOR HAS NOT OBTAINED ADVANCE WRITTEN AUTHORIZATION IN THE MANNER REQUIRED BY THIS ARTICLE 7.**

## 7.3 CHANGE ORDERS

7.3.1 **Purpose.** The purpose of a Change Order is to establish the terms of the County's and Contractor's mutual agreement to a Contract Adjustment. Contract Adjustments shall take one of the following forms under this EZIQC-Work Order Contract:

.1 A County **Change Order (Change Order)** may be issued to the EZIQC Contract to extend the duration of the agreement and/or to increase the Maximum Potential Value in accordance with applicable regulation, laws and public contract code. The Change Order shall minimally include reference to the associated Supplemental Work Order, which shall be kept on file as primary back-up documentation to the Change Order.

7.3.2 **Content.** A Supplemental Work Order is a written instrument, prepared by the Contractor, using the e-Gordian software associated with the NJPA-EZIQC Program, stating:

- .1 a Compensable Change or Deleted Scope of Work;
- .2 a Compensable Delay or Excusable Delay;
- .3 the amount of the Work Order Adjustment, if any, to the Work Order Price; and/or
- .4 the extent of the Work Order Adjustment, if any, to the Work Order Time.

#### 7.4 UNILATERAL SUPPLEMENTAL WORK ORDER

7.4.1 **Unilateral Supplemental Work Order.** A Unilateral Supplemental Work Order shall be the primary back-up documentation to a Unilateral Change Order issued by the County. The purpose of the Unilateral Supplemental Work Order is to provide the County with a flexible procedure by which it may respond expeditiously to its needs. By virtue of this clause, the County is entitled to order Work and to bind the Contractor to performance of the Work as needed for the term of this EZIQC Contract.

7.4.2 **Purpose.** The purpose of a Unilateral Supplemental Work Order is to establish the County's estimate of a disputed Contract Adjustment.

7.4.3 **Good Faith Determination.** The County's determination in a Unilateral Supplemental Work Order of a Contract Adjustment shall be based upon a Good Faith Determination by County of the Contract Adjustment that is appropriate under the circumstances and consistent with the terms of the Contract Documents.

7.4.4 **Claim by Contractor.** If Contractor disputes any portion of the County's Good Faith Determination of a Contract Adjustment that is set forth in a Unilateral ~~Change Order~~ Supplemental Work Order, Contractor shall file, within thirty (30) Days after issuance of the Unilateral ~~Change Order~~ Supplemental Work Order by County, a Claim pursuant to Section 4.3, above. The amount of the Contract Adjustment requested in the Claim shall not exceed the difference between the amount (either in terms of dollar amount or number of Days) of the Contract Adjustment requested by Contractor and the amount (either in terms of dollar amount or number of Days) of the Contract Adjustment granted in the Unilateral ~~Change Order~~ Supplemental Work Order. Contractor shall have no reserved right, and hereby waives any such right that may exist under Applicable Laws, to seek in such Claim a Contract Adjustment or recovery that is based upon any amount (either in terms of dollar amount or number of Days) that is in excess of such difference.

#### 7.4.5 WAIVER BY CONTRACTOR.

**FAILURE BY CONTRACTOR TO SUBMIT A CLAIM PURSUANT TO SECTION 4.3, ABOVE, WITHIN THIRTY (30) DAYS AFTER ISSUANCE OF A UNILATERAL SUPPLEMENTAL WORK ORDER BY COUNTY SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO FURTHER RECOURSE OR RECOVERY BASED ON AN ASSERTION THAT THE AMOUNT OF THE CONTRACT ADJUSTMENT ON ACCOUNT OF THE CHANGE OR DELAY DESCRIBED IN SUCH UNILATERAL ~~CHANGE ORDER~~ SUPPLEMENTAL WORK ORDER SHOULD BE**

**DIFFERENT THAN THE AMOUNT OF THE COUNTY'S GOOD FAITH DETERMINATION OF THE CONTRACT ADJUSTMENT AS SET FORTH IN SUCH UNILATERAL CHANGE ORDER SUPPLEMENTAL WORK ORDER.**

**7.5 CONSTRUCTION CHANGE DIRECTIVES**

**7.5.1 Purpose.** The purpose of a Construction Change Directive is to: (1) direct the performance of a Change that does not involve a Contract Adjustment; (2) establish a mutually agreed basis for compensation to Contractor for a Compensable Change under circumstances where performance of the Compensable Change needs to proceed in advance of the County performing a full evaluation of the Contractor's rights relative to a Contract Adjustment; or (3) direct performance of Work or a Change with respect to which there exists a dispute or question regarding the terms of a Contract Adjustment.

**7.5.2 No Contract Adjustment.** A Construction Change Directive that directs the performance of Work or a Change that does not involve a Contract Adjustment to the Contract Price or Contract Time may be authorized by either the Assistant CEO/EDA or the County's project manager and shall be promptly performed by Contractor so as to not cause Delay to any other portion of the Work. A Construction Change Directive directing performance of a Change that does not contain any statement indicating that a Contract Adjustment is requested or required shall be conclusively presumed to be a Change that is not a Compensable Change and no Contract Adjustment increasing the Contract Price or Contract Time will be made on account thereof.

**7.5.3 Agreed Contract Adjustment.** A Construction Change Directive that contains a complete or partial agreement by the County and Contractor with respect to the Contractor's right to, or the amount of, a Contract Adjustment shall be authorized in accordance with, conform to the requirements of and be binding upon County and Contractor as provided for in, this Paragraph 7.5.3.

**.1 Complete Agreement.** Each Construction Change Directive involving a Compensable Change or Deleted Work with respect to which there is complete agreement on the terms of the Contract Adjustment shall comply with the following:

**(1) Statement of Agreement.** A statement shall be included that the County and Contractor are in agreement on all of the terms of the Contract Adjustment related to performance of such Compensable Change and set forth a full description of the terms of the Contract Adjustment, including, without limitation, its effect on the Contract Price and Contract Time.

**(2) Legal Effect.**

**(a) Upon Contractor.**

**THE AGREED TERMS OF THE CONTRACT ADJUSTMENT WITH RESPECT TO WHICH THERE IS A STATEMENT OF FULL AGREEMENT ON THE TERMS OF THE CONTRACT ADJUSTMENT FOR A CHANGE IN THE WORK SHALL BE FINAL AND BINDING UPON CONTRACTOR. ANY RIGHT OR CLAIM BY CONTRACTOR FOR ANY ADDITIONAL COMPENSATION OR EXTENSION OF TIME RELATING DIRECTLY OR INDIRECTLY TO SUCH CHANGE SHALL BE CONCLUSIVELY DEEMED WAIVED BY CONTRACTOR, EVEN IF THE CIRCUMSTANCES GIVING RISE TO SUCH ADDITIONAL COMPENSATION OR EXTENSION OF TIME WERE NOT SUSPECTED BY OR KNOWN TO THE CONTRACTOR AT THE TIME OF EXECUTION OF THE CONSTRUCTION CHANGE DIRECTIVE AND IF SUSPECTED OR KNOWN WOULD HAVE BEEN CONSIDERED BY CONTRACTOR TO HAVE BEEN MATERIAL TO CONTRACTOR'S AGREEMENT TO THE CONTRACT ADJUSTMENT SET FORTH IN THE CONSTRUCTION CHANGE DIRECTIVE.**

**(b) Upon County.** In recognition of the fact that Construction Change Directives may be issued under circumstances in which the County may not have had the access to pertinent information required for the County to fully evaluate the circumstances giving rise to the Change, it is agreed that neither the issuance nor execution of, nor any statement contained in, nor any course of conduct in connection with, a Construction Change Directive (including, without limitation, a Construction Change Directive that constitutes a full agreement by County and Contractor on the terms of a Contract Adjustment) shall be interpreted as a waiver, release or settlement of any of County's rights relating to the subject matter of the Construction Change Directive, or as creating or implying any right of Contractor to a Contract Adjustment, if it is found by County upon further investigation

that circumstances existed, not known to County at the time of executing the Construction Change Directive, demonstrating that the Contractor was not in fact entitled to a Contract Adjustment or was entitled to a Contract Adjustment on different terms than those agreed to in the Construction Change Directive.

**.2 Partial Agreement.** Each Construction Change Directive involving a Compensable Change or Deleted Scope of Work with respect to which there is only agreement on a portion of the terms of a Contract Adjustment shall comply with the following:

**(1) Agreed Terms.** The Construction Change Directive shall state those terms of the Contract Adjustment as to which there is agreement.

**(a) Legal Effect.** Except to the extent of any additional open (i.e., non-agreed) terms stated or reserved in the Construction Change Directive, such agreement shall have the same legal effect set forth in Subparagraph 7.5.3.1 (2), above.

**(b) Time and Materials.** In the event that County and Contractor agree in the Construction Change Directive to the "time and materials" method of calculation set forth in Subparagraph 7.7.1.1 (4), below, but do not agree upon a maximum price, then the total cost to County for the Work covered by the Construction Change Directive shall under no circumstances exceed a price that is reasonable, competitive and fair to County given the amount and type of Work involved and the circumstances under which the Compensable Change is performed.

**(2) Open Terms.** The Construction Change Directive shall state those terms of the Contract Adjustment that are "open" or "disputed"; meaning those terms as to which the County and Contractor did not reach agreement.

**(a) Legal Effect.** A Reasonable Order of Magnitude Estimate constitutes neither (i) a guarantee by Contractor that the amount of the Contract Adjustment to the Contract Price or Contract Time that may be associated with the Compensable Change or Deleted Work covered by such Construction Change Directive may not exceed the Reasonable Order of Magnitude Estimate nor (ii) authorization or agreement by County to a Contract Adjustment based on the amounts set forth in such Reasonable Order of Magnitude Estimate.

**(b) Time and Materials.** If County and Contractor state in the Construction Change Directive an agreement that the Contractor is entitled to a Contract Adjustment to the Contract Price on account of a Compensable Change, but do not state therein an agreement upon the method of calculation to be used for the Contract Adjustment from among the optional methods of calculation set forth in Paragraph 7.7.1, below, and if the County nonetheless directs Contractor to perform the Compensable Change pending future agreement on the amount of the Contract Adjustment, then it shall be conclusively presumed that County and Contractor have agreed that such Compensable Change shall be performed and compensated based upon the "time and materials" method of calculation set forth in Subparagraph 7.7.1.1 (4), below, and that the total Contract Adjustment for performance thereof shall under no circumstances exceed a price that is reasonable, competitive and fair to County given the amount and type of Work involved and the circumstances under which the Compensable Change is performed.

**7.5.4 Disputed Contract Adjustment.** Each Construction Change Directive involving a Contract Adjustment with respect to which there is a dispute or partial agreement shall, if Contractor is ordered to do so in a Construction Change Directive signed by the Assistant CEO/EDA, be performed by Contractor without Delay. Except as otherwise provided elsewhere in this Section 7.5, with respect to any open terms as to which the County and Contractor have not reached agreement both County and Contractor shall be deemed to have reserved their respective rights and defenses.

**7.5.5 Other Notices.** With respect to any Contract Adjustment or portion of a Contract Adjustment that is not fully resolved in a Construction Change Directive, neither issuance nor execution of such Construction Change Directive shall be interpreted as relieving Contractor of its obligation to comply with the requirements of these General Conditions relative to timely submission of notices required by the Contract Documents, including, without limitation, Notice of Change, Change Order Request, Notice of Delay or Request for Extension.

## 7.6 PROCEDURES

### 7.6.1 Notice of Change.

**.1 Submission.** Contractor shall submit a written Notice of Change to County if any instruction, request, drawing, specification, action, condition, omission, default or other circumstance occurs that constitutes a Compensable Change, Deleted Scope of Work, Compensable Delay or other matter that may involve or require a Contract Adjustment (additive or deductive). Such notice shall be provided prior to commencement of performance of the Work affected and no later than three (3) working days after the Discovery Date of such circumstance.

**.2 Form.** Notices of Change shall be provided using forms furnished by County or, if requested by County, using forms furnished by Contractor that are approved by County. Failure by County to request or approve a particular form shall not relieve Contractor of its obligation to provide a Notice of Change in a written form that complies with the requirements specified in Subparagraph 7.6.1.3, below.

**.3 Content.** Each Notice of Change in order to be considered complete shall include:

(1) a general statement of the circumstances giving rise to the Notice of Change (including, without limitation, identification of any related Construction Change Directive);

(2) if such circumstances involve a right to adjustment of the Contract Time due to Compensable Delay or Excusable Delay that has not been waived pursuant to Subparagraph 8.2.2.4, below, or Subparagraph 8.2.3.4, below, Contractor shall include, if not previously provided, a complete and timely Notice of Delay.

### **.4 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO PROVIDE A COMPLETE AND TIMELY NOTICE OF CHANGE UNDER CIRCUMSTANCES WHERE A NOTICE OF CHANGE INVOLVING A CHANGE IS REQUIRED BY THIS PARAGRAPH 7.6.1 SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO A CONTRACT ADJUSTMENT ON ACCOUNT OF SUCH CIRCUMSTANCES AND A WAIVER OF ANY RIGHT TO FURTHER RECOURSE OR RECOVERY BY REASON OF OR RELATED TO SUCH CHANGE.**

**.5 Deductive Adjustments.** Failure by Contractor to submit a timely or proper Notice of Change under circumstances in which a Notice of Change is required shall in no way affect County's right to any deductive Contract Adjustment on account of such circumstances.

### 7.6.2 Change Order Request.

**.1 Submission.** With respect to any matter that may involve or require a Contract Adjustment (additive or deductive) of the Contract Price, Contractor shall, within fourteen (14) Days after receipt by the County of a Notice of Change pursuant to Paragraph 7.6.1, above, submit to the County a written Change Order Request.

**.2 Form.** Change Order Requests shall be provided using forms furnished by County or, if requested by County, using forms furnished by Contractor that are approved by County. Failure by County to request or approve a particular form shall not relieve Contractor of its obligation to provide a Change Order Request in a written form that complies with the requirements stated in Subparagraph 7.6.2.3, below.

**.3 Content.** Each Change Order Request in order to be considered complete shall include:

(1) a detailed description of the circumstances for the Compensable Change, Deleted Work or Compensable Delay;

(2) a complete, itemized cost breakdown (additive and deductive) of the Allowable Costs that form the basis for the Contractor's request for Contract Adjustment, including: (a) if the pricing is based on time

and materials charges, all of Contractor's and each Subcontractor's Allowable Costs (including, without limitation, quantities, hours, unit prices, and rates) and Allowable Markups and (b) if the pricing is in the form of a lump sum price a detailed breakdown of the lump sum price into its component and individual items of Allowable Costs and Allowable Markup; and

(3) if such circumstances involve a right to a Contract Adjustment of the Contract Time due to Compensable Delay or Excusable Delay that has not been waived pursuant to Subparagraph 8.2.2.4, below, or Subparagraph 8.2.3.4, below, Contractor shall include, if not previously provided, a complete and timely Request for Extension.

#### **.4 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO PROVIDE A COMPLETE AND TIMELY CHANGE ORDER REQUEST UNDER CIRCUMSTANCES WHERE A CHANGE ORDER REQUEST INVOLVING A CHANGE IS REQUIRED BY THIS PARAGRAPH 7.6.2 SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO A CONTRACT ADJUSTMENT ON ACCOUNT OF SUCH CIRCUMSTANCES AND A WAIVER OF ANY RIGHT TO FURTHER RECOURSE OR RECOVERY BY REASON OF OR RELATED TO SUCH CHANGE.**

**.5 Deductive Adjustments.** Failure by Contractor to submit a timely or proper Change Order Request under circumstances in which a Change Order Request is required shall in no way affect County's right to any deductive Contract Adjustment on account of such circumstances.

**7.6.3 Formal Notice of Essence.** Contractor recognizes and acknowledges that timely submission of a formal Notice of Change and Change Order Request, whether or not the circumstances of the Change may be known to the County or available to County through other means, is not a mere formality but is of crucial importance to the ability of County to promptly identify, prioritize, evaluate and mitigate the potential effects of Changes. Any form of informal notice, whether verbal or written (including, without limitation, statements in Requests for Information, statements at regular job meetings or entries on monthly reports, daily logs or job meeting minutes), that does not strictly comply with the formal requirements of Paragraph 7.6.1, above, and Paragraph 7.6.2, above, shall therefore be insufficient.

#### **7.7 PRICING**

##### **7.7.1 Basis of Calculation.**

**.1 Changes Not Involving Time.** Contract Adjustments to the Contract Price on account of Compensable Changes or Deleted Work, other than Contract Adjustments to the Contract Price for Compensable Delay, shall be calculated according to one of the following methods:

(1) **Lump Sum.** By mutual acceptance of a lump sum proposal from Contractor based solely on Allowable Costs and Allowable Markups, that is properly itemized and supported by sufficient substantiating data to permit evaluation.

(2) **Unit Prices.** By the unit prices set forth in the CTC or such other unit prices as are subsequently and mutually agreed to in writing between the County and Contractor, with no amount added thereto for Allowable Markups.

(3) **Estimating Guides.** For Compensable Changes with respect to which County elects to make a unilateral and final determination pursuant to Paragraph 7.7.11, below, by the sum of all the following:

(a) **Materials.** The reasonable value of materials and equipment documented as having been actually incorporated into the Work, which reasonable value may be less but shall never be more than Contractor's actual Allowable Costs therefor.

(b) **Labor.** An estimate of the reasonable costs of labor, installation and other services using the Construction Task Catalogs (CTC) as reported in the (i) The Gordian Group Company, Inc. Building Construction Cost Data, Riverside County – Latest Edition, 140 Bridges Road, Suite E, South Carolina, 29662, 800.874.2291.

(c) **Allowable Markup.** The amount that results when the applicable Allowable Markup is applied to the sum of the amounts derived from preceding Clauses (a) and (b) of this Subparagraph 7.7.1.1 (3).

(4) **Time and Materials.**

(a) **Compensable Changes.**

(i) **Contract Adjustment.** With respect to Compensable Changes, if none of the methods provided for in Subparagraphs 7.7.1.1 (1) through 7.7.1.1 (3), above, is applicable, then the additive amount increasing the Contract Price shall be calculated by taking (A) the total of the reasonable expenditures by Contractor and its Subcontractors, documented in the manner required by Paragraph 7.7.2, below, for Allowable Costs that are actually and directly incurred and paid in the performance of the Compensable Change, not to exceed for any Compensable Change a price that is reasonable, competitive and fair to County given the amount and type of Work involved and the circumstances under which the Compensable Change is performed, and (B) adding thereto the amount which results when the applicable Allowable Markups are applied to such total specified in preceding Clause (A) of this Subparagraph 7.7.1.1 (4) (a) (1).

(ii) **T & M/Guaranteed Maximums.** A Contract Adjustment that is calculated pursuant to this Subparagraph 7.7.1.1 (4) shall be subject to a not-to-exceed or guaranteed maximum price if such not-to-exceed or guaranteed maximum price has been mutually agreed upon between County and Contractor.

(b) **Deleted Work.** With respect to Deleted Work (whether or not the Deleted Work involves a related Compensable Change as described in Paragraph 7.7.8, below), if none of the methods provided for in Subparagraphs 7.7.1.1 (1) through 7.7.1.1 (3), above, is applicable, then, in addition to the reduction, if any, that may be due to Owner pursuant to Subparagraph 8.2.6.2, below, (pertaining to Contract Adjustments shortening the Contract Time due to Deleted Work) and any additional reductions or credits to which County may be entitled under Paragraph 7.7.5, below, the Contract Price shall be reduced by the greater of either:

(i) the value assigned to the Deleted Work in the Schedule of Values attached to the Construction Contract, inclusive of all estimated markups by Contractor and any Subcontractor for overhead and profit set forth in the Schedule of Values (or, if insufficient detailed information on costs, overhead and profit for the Deleted Work is explicitly assigned in the Schedule of Values, as derived from the cost, bidding and/or estimating information that formed the basis for the establishment of the values set forth in such Schedule of Values); or

(ii) a reasonable estimate of the value of the Deleted Work (inclusive of all costs, overhead and profit) as of the date that the Construction Contract was executed by County and Contractor.

**.2 Changes Involving Time.** Contract Adjustments that are based on an extension of the Contract Time for Compensable Delay or a shortening of the Contract Time due to Deleted Work shall be calculated in the manner stated in the provisions of Section 3.3 of the Construction Contract and Article 8, below. Contract Adjustments that are based on an acceleration in performance of the Work that is ordered by County in writing to overcome a Compensable Delay for which the Contractor is entitled to an extension of the Contract Time that has been properly requested and is not granted by County due to a County decision to accelerate rather than extend the Contract Time shall be calculated in the manner stated in the provisions of Article 8, below.

**7.7.2 Time and Materials Documentation.** Without limitation to any other provisions of the Contract Documents, Contractor's right to reimbursement of Allowable Costs incurred by Contractor or Subcontractors in the performance of a Compensable Change for which the Contract Adjustment is calculated pursuant to the time and materials method set forth in Subparagraph 7.7.1.1 (4), above, shall be conditioned on Contractor's compliance

with the following conditions with respect to documentation of the Extra Work that is involved in the performance of the Compensable Change:

**.1 Labor.** At the close of each Day on which such Extra Work is performed, Contractor shall submit to County and, if requested, to the Inspector of Record, an Extra Work report, on forms provided by County, that sets forth with respect to each and all of the actual hours spent in performance of the Extra Work on the Day that the Extra Work was performed the following: the names of the workers, their classifications, hours worked and hourly rates. Such forms shall include a written certification by Contractor's project manager or superintendent at the time of submission that the information contained therein is complete and accurate.

**.2 Materials, Equipment.** At the close of each Day on which such Extra Work is performed, Contractor shall submit to County and, if requested, to the Inspector of Record, an Extra Work report, on forms provided by County, that sets forth with respect to each and all of the materials and equipment used or consumed in the performance of the Extra Work on the Day that the Extra Work was performed, the following: a list of the materials and equipment, prices or rates charged, in the case of equipment a description of the type of equipment, identification number, and hours of operation (including loading and transportation), and copies of delivery tickets, invoices or other documentation confirmatory of the foregoing.

**.3 Other Expenditures.** At the close of each Day on which such Extra Work is performed, Contractor shall submit to County and, if requested, to the Inspector of Record, an Extra Work report, on forms provided by County, that sets forth a list of other expenditures constituting Allowable Costs incurred in performance of the Extra Work on the Day that the Extra Work was performed, along with documentation verifying the amounts thereof in such detail as County may require.

**.4 Subsequent Documentation.** Documentation not available on any Day that a portion of the Extra Work is performed shall be submitted as soon as they are available but not later than twenty-one (21) Days after the earlier of the Day of delivery or incorporation of the particular item of Extra Work at the Site.

**.5 Subcontractor Costs.** Extra Work performed by Subcontractors on a time and materials basis shall documented in the same manner as required of Contractor under this Paragraph 7.7.2. If Owner approves of a lump sum price for a Subcontractor's performance of Extra Work, then Contractor shall submit in lieu of the documentation otherwise required by this Subparagraph 7.7.2.5, such documentation as may be requested by Owner confirming the Extra Work performed on any given Day.

**.6 Authentication.** In addition to the foregoing, County may require that Contractor comply with other reasonable requirements pertaining to observation and verification of time and materials work and authentication of time and materials tickets and invoices by persons designated by County for such purpose.

**.7 WAIVER BY CONTRACTOR.**

**THE FAILURE OF CONTRACTOR TO SUBMIT AUTHENTICATION OF COSTS IN THE MANNER REQUIRED BY THIS PARAGRAPH 7.7.2 SHALL, IF COUNTY ELECTS IN ITS REASONABLE DISCRETION TO TREAT IT AS SUCH, CONSTITUTE A WAIVER BY CONTRACTOR OF ANY RIGHT TO A CONTRACT ADJUSTMENT FOR THE ALLOWABLE COSTS INCURRED FOR PERFORMANCE OF THAT PORTION OF THE EXTRA WORK FOR WHICH CONTRACTOR HAS FAILED TO PROVIDE SUCH AUTHENTICATION.**

**7.7.3 Allowable Costs.** The term "Allowable Costs" (1) means the costs that are listed in this Paragraph 7.7.3 and (2) excludes costs that do not constitute Allowable Costs under Paragraph 7.7.4, below:

**.1 Labor.** Straight-time wages and, if specifically authorized by County in writing, overtime wages for employees employed at the Site, including wages for employees of Subcontractors performing engineering or fabrication detailing at locations other than at the Site. The use of a labor classification which would increase the Allowable Costs for Extra Work will not be permitted unless Contractor establishes the necessity for the use of such labor classification. Overtime wages and salaries shall only constitute an Allowable Cost to the extent permitted by the Contract Documents and only as specifically authorized by County in writing setting forth the amount of overtime anticipated, which amount shall be deemed the maximum amount of overtime reimbursable as an Allowable Cost. As part of the Allowable Costs permitted by this Subparagraph 7.7.3.1, Contractor shall be entitled to be reimbursed



wages paid to a "time and materials clerk" employed by Contractor to track and document Compensable Changes that are authorized or permitted to be performed on a time and materials basis pursuant to Subparagraph 7.7.1.1 (4), above, provided that the time expended by such employee is verified by contemporaneously maintained time sheets maintained by such clerk showing the actual time spent tracking and documenting the performance of Compensable Changes separately from other tasks or functions performed by such clerk.

**.2 Benefits.** To the extent based on wages reimbursable under Subparagraph 7.7.3.1, above, net actual employer costs of payroll taxes (FICA, Medicare, SUTA, FUTA), insurance (as adjusted for experience modifiers, premium discounts, dividends, rebates, expense constants, assigned risk pool costs, net cost reductions due to policies with deductibles for self-insured losses, assigned risk rebates, or the like), health and welfare, pension, vacation, apprenticeship funds and benefits required by lawful collective bargaining agreements.

**.3 Materials.** Costs of materials used or consumed in the Work. Such costs for Extra Work shall be at a price that is competitive to the price charged for similar materials delivered within the general vicinity of the Site by other subcontractors, suppliers, manufacturers and distributors. The cost for any such item that is not new shall mean "fair market value" based on the estimated price a reasonable purchaser would pay to purchase the used material at the time it was used or consumed for the Work, which fair market value must be declared by Contractor and approved by County prior to such use or consumption.

**.4 Taxes.** Sales taxes on the costs of the materials described in Subparagraph 7.7.3.3, above.

**.5 Equipment Rental.** Rental charges for necessary machinery and equipment, exclusive of hand tools, whether rented from Contractor or others. No charge shall be allowed or credit required for items which have a replacement value of One Hundred Dollars (\$100) or less. The allowable rental rates shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, loading, transportation, repairs and maintenance of any kind, depreciation, storage, insurance and all incidentals. If equipment used for Extra Work is used intermittently and, when not in use, could be returned to its rental source at less expense to County than holding it at the Site, it shall be returned, unless Contractor elects to keep it at the Site at no expense to County. Under no circumstances shall the aggregate rentals chargeable for any item of equipment exceed the following percentages of the fair market value of the item at the time of its first use for the Work, which fair market value must be declared by Contractor and approved by County prior to the first use of such item in or for the Work: (1) if the item is owned by the Contractor or any company affiliated with Contractor, the aggregate rentals shall not exceed 75% of such fair market value; and (2) if the item is not owned by the Contractor or any company affiliated with Contractor, the aggregate rentals shall not exceed 100% of such fair market value. All equipment shall be acceptable to County, in good working condition, and suitable for the purpose for which it is to be used. Manufacturer's ratings and manufacturer's approved modifications shall be used to classify equipment, and it shall be powered by a unit of at least the minimum rating recommended by the manufacturer. The cost of major repairs or overhauls of rented equipment or machinery shall be deemed a cost of business of the lessor of such equipment or machinery and shall not be reimbursable as an Allowable Cost.

**.6 Subcontractors.** Payments made by Contractor to Subcontractors; provided, however, that: (1) such payments are not otherwise precluded from reimbursement by the terms of the Contract Documents; (2) such payments are for Work performed in accordance with the requirements of the Contract Documents; (3) such payments are for amounts properly due and owing by Contractor under the terms of the governing contract between Contractor and such Subcontractor; and (4) in the case of payments for extra work performed by a Subcontractor pursuant to a change order executed between Contractor and a Subcontractor the change order was executed under circumstances in which the Subcontractor was entitled under the terms of its contract with Contractor to receive the amount of additional compensation agreed to in the change order.

**.7 Royalties, Permits.** Costs of royalties and permits.

**.8 Bonds.** Costs of bonds required to be furnished by Contractor (not Subcontractors) under the terms of the Contract Documents; provided, however, that such additional costs chargeable for Extra Work or credited for Deleted Work shall not exceed two percent (2%) of the costs described in Subparagraphs 7.7.3.1 through 7.7.3.7, above.

**7.7.4 Costs Not Allowed.** Allowable Costs shall not include any of the costs associated with any of the following (whether incurred by Contractor or a Subcontractor):

- .1 superintendent(s);
- .2 assistant superintendent(s);
- .3 project engineer(s);
- .4 project manager(s);
- .5 scheduler(s);
- .6 estimator(s);
- .7 drafting or detailing (except as otherwise permitted by Paragraph 7.7.3.1, above)
- .8 vehicles not dedicated solely to the performance of the Work;
- .9 small tools with a replacement value not exceeding One Hundred Dollars (\$100);
- .10 office expenses, including staff, materials and supplies;
- .11 on-Site and off-Site trailer and storage rental and expenses;
- .12 Site fencing not added solely due to the performance of Extra Work;
- .13 utilities, including gas, electric, sewer, water, telephone, telefax and copier equipment;
- .14 computer and data-processing personnel, equipment and software;
- .15 federal, state or local business, income and franchise taxes;
- .16 insurance (including, without limitation, general liability, automobile and worker's compensation);
- .17 without limitation to Contractor's right to liquidated damages under Section 3.3 of the Construction Contract, Losses, of any kind, incurred by Contractor or a Subcontractor, of any Tier, that arise from or relate to Delay (including Excusable Delay, Compensable Delay or Unexcused Delay) or acceleration to overcome the effects of such Delay; and
- .18 costs and expenses of any kind or item not specifically and expressly included in Paragraph 7.7.3, above.

**7.7.5 Allowable Markups.** Allowable Markups consist of the percentages set forth provided for by this Paragraph 7.7.5. Allowable Markups are deemed to cover, without limitation, the following: (1) direct and indirect overhead (including, without limitation, consumables, small tools and cleanup) and profit of the Contractor; (2) direct and indirect overhead (including, without limitation, consumables, small tools and cleanup) and profit of the Subcontractors, of every Tier; and (3) all costs that are not reimbursable to Contractor under Paragraph 7.7.4, above. Subject to the exclusions and limitations set forth in Paragraph 7.7.7, below, or elsewhere in the Contract Documents, Allowable Markups include and are limited to the following:

**.1 Self-Performed Work**

**(1) Compensable Change.** With respect to all or that portion of a Compensable Change involving Self-Performed Work, the Allowable Markup to Contractor shall be not more than five percent (5%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the Allowable Costs incurred by Contractor in the performance thereof, including, without limitation, Allowable Costs for materials or equipment purchased by Contractor from a first-Tier Subcontractor that is not an Installation Subcontractor.

(2) **Deleted Work.** With respect to all or that portion of Deleted Work involving Self-Performed Work, County shall be entitled to a credit equal to five percent (5%) of the amount of the credit for the savings to Contractor for the Self-Performed Work as calculated pursuant to Subparagraph 7.7.1.1 (4), (b), above.

## **.2 Installation Subcontractors (First-Tier)**

(1) **Compensable Change.** With respect to all or that portion of a Compensable Change that is performed by a first-Tier Installation Subcontractor, the Allowable Markups to the first-Tier Installation Subcontractor and the Contractor shall be as follows:

(a) The Allowable Markup to the first-Tier Installation Subcontractor shall be not more than fifteen percent (15%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the Allowable Costs incurred by such first-Tier Installation Subcontractor in the performance of such Compensable Change.

(b) The Allowable Markup to Contractor shall be five percent (5%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the sum of (i) the Allowable Costs incurred by such first-Tier Subcontractor in the performance of such Compensable Change and (ii) the amount which results when the Allowable Markups thereon that are permitted pursuant to preceding Clause (a) of this Subparagraph 7.7.5.2 (1) are multiplied times such Allowable Costs.

(2) **Deleted Work.** With respect to all or that portion of Deleted Work that was to have been performed by a first-Tier Installation Subcontractor, the Contract Price shall be reduced as provided in Subparagraph 7.7.1.1 (4), (b), above. In addition, a credit shall be due from Contractor of five percent (5%) of the amount of the total credit due pursuant to Subparagraph 7.7.1.1 (4), (b), above.

## **.3 Installation Subcontractors (Second-Tier)**

(1) **Compensable Change.** With respect to all or that portion of a Compensable Change that is performed by a second-Tier Installation Subcontractor, the Allowable Markups to such second-Tier Installation Subcontractor, to the first-Tier Installation Subcontractor that is above and in the same vertical contractual line of Tiers with such second-Tier Installation Subcontractor and to the Contractor, shall be as follows:

(a) The Allowable Markup to the second-Tier Installation Subcontractor shall be not more than five percent (5%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the Allowable Costs incurred by such second-Tier Installation Subcontractor in the performance of such Compensable Change.

(b) The Allowable Markup to the first-Tier Installation Subcontractor that is above and in the same vertical contractual line of Tiers with such second-Tier Installation Subcontractor shall be not more than fifteen percent (15%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the sum of (i) the Allowable Costs incurred by such second-Tier Installation Subcontractor in the performance of such Compensable Change and (ii) the amount which results when the Allowable Markups thereon pursuant to preceding Clause (a) of this Subparagraph 7.7.5.3 (1) are multiplied times such Allowable Costs.

(c) The Allowable Markup to Contractor shall be five percent (5%), which percentage shall for purposes of calculating the Contract Adjustment be multiplied times the sum of (i) the Allowable Costs incurred by the second-Tier Installation Subcontractor in the performance of such Compensable Change and (ii) the amounts which result when the Allowable Markups thereon that are permitted pursuant to Clauses (a) and (b) of this Subparagraph 7.7.5.3 (1) are multiplied times such Allowable Costs.

(2) **Deleted Work.** With respect to all or that portion of Deleted Work that was to have been performed by a second-Tier Installation Subcontractor, the Contract Price shall be reduced as provided in Subparagraph 7.7.1.1 (4), (b), above. In addition, a credit shall be due from Contractor of five percent (5%) of the amount of the total credit due pursuant to Subparagraph 7.7.1.1 (4), (b), above.

## **.4 Other Subcontractors.**

**(1) Compensable Changes:** With respect to any other Subcontractor, of any Tier, performing all or a portion of a Compensable Change who is not an Installation Subcontractor or who is an Installation Subcontractor below the second-Tier, the following shall apply:

(a) No markup shall be allowed to such other Subcontractor.

(b) The Subcontractor that is positioned in the Tier immediately above such other Subcontractor shall be entitled to an Allowable Markup of not more than five percent (5%) upon the Allowable Costs incurred by such other Subcontractor in the performance thereof.

(c) No other Allowable Markup by any Subcontractor of any Tier above such other Subcontractor shall be permitted.

(d) Contractor shall be entitled to an Allowable Markup of five percent (5%) of the sum of (i) the Allowable Costs of such other Subcontractor incurred in the performance of such Compensable Change and (ii) the amount which results when the Allowable Markup permitted by Clause (b) of this Subparagraph 7.7.5.4 (1) is multiplied times such Allowable Costs.

**(2) Deleted Work.** With respect to all or that portion of Deleted Work that was to have been performed by such other Subcontractor who is not an Installation Subcontractor or who is an Installation Subcontractor below the second-Tier, the Contract Price shall be reduced as provided in Subparagraph 7.7.1.1 (4), (b), above. In addition, a credit shall be due from Contractor of five percent (5%) of the amount of the total credit due pursuant to Subparagraph 7.7.1.1 (4), (b), above.

**7.7.6 Review of Markups.** It is Contractor's responsibility to review information submitted by Subcontractors to ensure that all markups comply with the requirements of the Contract Documents. Payment by the County of markups that exceed Allowable Markups shall not be considered as a waiver by County of the right to require repayment by Contractor of any markup charged that is in excess of Allowable Markups and such excess amounts shall be promptly paid by Contractor to County.

**7.7.7 Exclusions and Limitations.** Allowable Markups are not permitted:

- .1 on agreed unit prices;
- .2 on materials, products or equipment furnished by County;
- .3 on liquidated damages payable to Contractor pursuant to Section 3.3 of the Construction Contract for Compensable Delay;
- .4 to a Subcontractor who contracts to perform a Compensable Change that is in fact wholly performed by another Subcontractor (for purposes of this Paragraph 7.7.7, "wholly performed" means that all of the Compensable Change, other than supervision or minor labor or materials, are furnished by such other Subcontractor); or
- .5 on any cost or compensation with respect to which the Contract Documents state that there shall be "no Allowable Markup", "no markup for overhead and profit" or words of similar meaning.

**7.7.8 Net Calculations.** If any one Change or collection of Changes in the same or related portions of the Work, or in multiple portions of Work covered by a single bulletin or instruction by County, involve both Compensable Change and Deleted Work, and if the added Allowable Costs resulting from the Compensable Change exceed the reduction calculated in accordance with Subparagraph 7.7.1.1 (4), (b), above, (excluding any Allowable Markup to the Contractor) then the calculation of Allowable Markups to Contractor shall be based on and limited to the resulting net increase in the Allowable Costs.

**7.7.9 Unit Prices.** Unless otherwise stated in the Contract Documents, unit prices stated in the Contract Documents or subsequently agreed upon by County and Contractor shall be deemed to include and

encompass all costs of performance, overhead and profit, including, without limitation, all Allowable Costs and Allowable Markups. If the unit price stated in the Contract Documents is based on an estimated quantity established by County in the Construction Contract and the actual quantity of such unit-priced item varies by more than 25% above or below the estimated quantity, an equitable adjustment in the Contract Price shall be made upon demand of either County or Contractor. Such equitable adjustment shall be based solely upon any increase or decrease in Allowable Costs (without any Allowable Markups), due solely to the variation above 125% or below 75% of the estimated quantity.

**7.7.10 Discounts.** For purposes of determining Allowable Costs of a Compensable Change, all trade discounts, rebates, refunds, and returns from the sale of surplus materials and equipment shall accrue and be credited to County, and Contractor shall take all necessary steps to ensure that such discounts, rebates, refunds, and returns are secured.

**7.7.11 Prompt Pricing.** It is fundamental to the County's objective of controlling costs that performance of Compensable Changes on a time and materials basis of compensation and without a not-to-exceed price be curtailed. Contractor recognizes that prompt pricing by Contractor is critical to this objective. Accordingly, in addition to and without limitation on any of the County's other rights or remedies, including, without limitation, its right to enforce a waiver under Subparagraph 7.6.2.4, above, it is agreed that if Contractor fails to timely submit a complete Change Order Request in accordance with Paragraph 7.6.2, above, with respect to any circumstance, event or occurrence constituting a Compensable Change then: (1) any Delay to the performance of the Work associated with the performance, delayed performance or nonperformance of such Compensable Change shall be conclusively deemed to be an Unexcused Delay; and (2) the County shall have the option, exercised in its sole discretion, to unilaterally fix and determine the amount of the Contract Adjustment to the Contract Price for such Compensable Change based on the "estimating guide" method set forth in Subparagraph 7.7.1.1 (3), above, which determination shall be conclusively final and binding upon Contractor.

**7.7.12 Final Payment.** No Claim by Contractor for a Contract Adjustment shall be allowed if asserted after Final Payment.

**7.7.13 Full Resolution.** Except as otherwise stated in Paragraph 7.7.14, below, the signing of a Change Order by Contractor and the County shall be conclusively deemed to be a full resolution, settlement and accord and satisfaction with respect to any and all Loss and Delay, whether known or unknown at the time of execution of the Change Order, related to the subject matter of the Change Order, including, without limitation, all rights to recovery of costs, expenses or damages for delay, disruption, hindrance, interference, extended or extraordinary (direct and indirect) overhead, multiplicity of changes, loss of productivity, labor, wage or material cost escalations, inefficiency, legal expenses, consultant costs, interest, lost profits or revenue, bond and insurance costs, changes in taxes and other similar and related Losses. The foregoing provisions of this Paragraph 7.7.13 shall, whether or not they are expressly stated or referenced on the face of a Change Order, be deemed to be part of the terms of the Change Order and shall be deemed to supersede and govern over any other provision contained in any proposal, estimate or other documents attached to or referenced in such Change Order that conflicts with the provisions of this Paragraph 7.7.13. **ANY RIGHT OR CLAIM BY CONTRACTOR FOR ANY ADDITIONAL COMPENSATION OR EXTENSION OF TIME RELATING DIRECTLY OR INDIRECTLY TO A COMPENSABLE CHANGE DESCRIBED IN A FULLY EXECUTED CHANGE ORDER SHALL BE CONCLUSIVELY DEEMED WAIVED BY CONTRACTOR, EVEN IF THE CIRCUMSTANCES GIVING RISE TO SUCH ADDITIONAL COMPENSATION OR EXTENSION OF TIME WERE NOT SUSPECTED BY OR KNOWN TO THE CONTRACTOR AT THE TIME OF EXECUTION OF THE CONSTRUCTION CHANGE DIRECTIVE AND IF SUSPECTED OR KNOWN WOULD HAVE BEEN CONSIDERED BY CONTRACTOR TO HAVE BEEN MATERIAL TO CONTRACTOR'S AGREEMENT TO THE CONTRACT ADJUSTMENT SET FORTH IN THE CHANGE ORDER.**

**7.7.14 Reserved Rights.** Change Orders shall be executed by Contractor without any express reservation of rights by Contractor to reserve for the future the assertion of any right of recovery from the County for Loss or Delay arising out of or relating to the subject matter of the Change Order. Execution of a Change Order, Unilateral Change Order or Construction Change Directive shall not be interpreted as a waiver, release or settlement of any rights or claims that the County may have for any of the following: (1) Defective Work; (2) liquidated damages or actual Losses for Delay; or (3) recoupment by County (by way of withholding of funds, set off or recovery from Contractor) of amounts paid by County for costs or markups on costs that the County discovers, following payment of

such amounts to Contractor, do not constitute proper charges to County, or that constitute charges that are not properly substantiated, under the terms of the Contract Documents.

**7.7.15 No "Total Cost" Calculations.** Contractor represents and warrants that it has the ability to generate and maintain complete and accurate cost accounting records that, if required, will reflect the actual costs of the Work incurred or avoided for multiple Compensable Changes and, on an event-by-event basis, the effect of multiple and concurrently occurring or caused Compensable Delays on the progress of the Work. Accordingly, Contractor agrees that all Change Order Requests and Claims shall be itemized in a manner that, with reasonable mathematical certainty and without reliance upon probabilities or inferences, segregates on a discrete, event-by-event basis the direct, actual Allowable Costs associated with each individual Compensable Change or Compensable Delay. Unless otherwise agreed to by County in writing in the exercise of its sole discretion, Change Order Requests and Claims shall not be based, in whole or in part, upon any methodology (such as "total cost" or "modified total cost" methodologies) that purports to establish Contractor's entitlement to additional compensation inferentially based, solely or principally, on the difference between Contractor's total costs for the Work or a portion of the Work and its original Bid.

**7.7.16 Multiple Changes.** The County reserves the absolute right to make whatever Changes, including, without limitation, Compensable Changes or Deleted Work, that it determines, in its sole discretion, are necessary or otherwise desirable. Under no circumstances shall the individual or cumulative number, value or scope of such Changes, or their individual and cumulative impact on the Work, become a basis for Contractor to assert any claim for breach of contract, abandonment, rescission, termination, cardinal change or reformation of the Construction Contract, nor shall such circumstances be the basis for Contractor, or any of the Subcontractors, of any Tier, to assert a right of recovery of any Loss if such right is not permitted by, or is in excess of that allowed under, the Contract Documents.

**7.7.17 Continuous Performance.** Subject to Contractor's rights under Section 15.4, below, no dispute or disagreement with respect to any Changes or Delay, including, without limitation, disputes over Contractor's right to or the terms of a Contract Adjustment, shall relieve or excuse Contractor from the obligation to proceed with and maintain continuous, expeditious and uninterrupted performance of the Work, including performance of any disputed Changes.

## **ARTICLE 8 CONTRACT TIME**

### **8.1 COMMENCEMENT AND COMPLETION**

**8.1.1 Date of Commencement.** The Date of Commencement shall not be postponed by the failure of Contractor or of persons or entities for whom Contractor is responsible to perform an obligation. Contractor shall not knowingly, except by agreement or instruction of the County in writing, commence operations on the Site or elsewhere prior to receipt of a Notice to Proceed. Contractor shall not commence any Work at the Site prior to its obtaining the insurance required by Article 11, below, and the Performance Bond and Payment Bond required by Article 12, below, and the Date of Commencement of the Work shall not be changed by the effective date of such insurance or bonds.

**8.1.2 Substantial, Final Completion.** Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion and Final Completion within the Work Order Time, as adjusted for extensions of time duly permitted, authorized and noticed pursuant to Section 8.2, below.

**8.1.3 Adjustments to Contract Time.** Subject to the limitations set forth in this Article 8 and elsewhere in the Contract Documents, the Contract Time shall be extended for Compensable Delays and Excusable Delays and shall, where appropriate, be shortened for Deleted Work.

**8.1.4 Early Completion.** Nothing stated in these General Conditions or elsewhere in the Contract Documents shall be interpreted as creating any contractual right, express or implied, on the part of Contractor to finish the Work earlier than the Contract Time. Contractor has included in its Contract Price the costs of all Contractor's and its Subcontractors' direct and indirect overhead, including but not limited to all staff, temporary facilities, temporary utilities and home office overhead for the entire duration of the Contract Time. These costs have been included in the

Contract Price notwithstanding Contractor's anticipation of possibly completing the Work in fewer Days than established by the Contract Time. Under no circumstances (including, without limitation, circumstances in which the County has approved in writing of Contractor completing early) shall the County be liable to Contractor for any Losses, of any kind, due to the inability of Contractor to complete the Work earlier than the Contract Time, regardless of the cause, including, without limitation, Delays due to acts or omissions (intentional or negligent) of the County, Inspectors of Record, County Consultants, Separate Contractors or others. If the Contractor anticipates completing early, it must obtain in advance County's approval in writing of such early completion. Approval by County of such early completion may be granted or withheld in the County's sole and absolute discretion.

## 8.2 DELAYS AND EXTENSIONS OF TIME

### 8.2.1 Adjustments to Contract Time of Work Order Time

**.1 Extensions.** Provided that Contractor has complied with the provisions of this Section 8.2 (including, without limitation, the requirements pertaining to timely delivery of a Notice of Delay and Request for Extension), if, as a result of Excusable Delay or Compensable Delay to the actual, as-built critical path of activities leading to achievement of Substantial Completion, Contractor is unable to achieve Substantial Completion within the Contract Time for Substantial Completion, then the Contract Time for Substantial Completion and Final Completion shall be extended, either by Change Order or Unilateral Change Order, for the length of the proven, resulting Delay to Contractor's ability to so complete the Work. The Contract Time shall not be adjusted for Unexcused Delays.

**.2 Shortening.** Contractor shall within ten (10) Days after receiving notice of Deleted Work prepare and deliver to County a Time Impact Analysis of the impact of the Deleted Work upon the critical path to determine if the Contract Time should be shortened thereby and if so the duration of the shortening. If the County and Contractor are unable to agree upon the duration of the shortening, then County shall make a Good Faith Determination of the reasonable amount of time that the Contract Time shall be shortened on account of such Deleted Work.

### **.3 Prescribed Calculations.**

**(1) Work Day Lost Calculations.** Contractor may claim an Excusable Delay or a Compensable Delay for a full Day only if all Work on a critical path activity is stopped for more than six (6) hours of a normal eight (8) hour Work Day and for a half-Day only if all Work on a critical path activity is stopped for three (3) to six (6) hours of such a normal Work Day. No Excusable Delay or Compensable Delay may be claimed if all Work on a critical path activity is stopped for less than three (3) hours of such a normal work Day. Similarly, where Deleted Work results in the projected avoidance of the need to perform more than six (6), or between three (3) and six (6) hours of all Work on a critical path activity on such a normal work day, the Contract Time shall be contracted by a full Day or half Day, respectively.

**(2) Dry Out Time Calculations.** Contract Adjustments to the Contract Time that are based upon unusual precipitation that is an Act of God as defined in Paragraph 1.1.2, above, shall include, in addition to the number of Days of Excusable Delay to which Contractor is entitled due to a cessation of Work that occurs at the Site while the unusual precipitation is occurring, an additional extension for the Delay to the critical path of activities affecting Substantial Completion that is the result of Contractor being unable, after cessation of the unusual precipitation at the Site, to proceed with performance of Work due to wet or muddy conditions at the Site (hereinafter referred to as "dry out" time); provided, however, that the amount of dry out time for which Contractor is entitled to an extension of time in any given calendar month shall not exceed the number of Days that is the product derived by multiplying (a) the number of Days of Excusable Delay to which Contractor is entitled due to a cessation of Work that occurs at the Site while such unusual precipitation is occurring, by (b) a fraction, the (i) numerator of which is the number of Days of Excusable Delay due to measurable unusual precipitation occurring at the Site during such calendar month that constitutes an Act of God as defined in Paragraph 1.1.2, above, and (ii) the denominator of which is the total number of Days of measurable precipitation occurring at the Site during said calendar month (including both the number of Days comprising the normal, 10-year monthly average of measurable precipitation recorded by NOAA and the excess, or unusual precipitation that constitutes an Act of God as defined in Paragraph 1.1.2, above).

### 8.2.2 Notice of Delay.

**.1 Submission.** Contractor shall submit written Notice of Delay to County if any instruction, request, drawing, specification, action, condition, omission, default or other circumstance occurs that constitutes an Excusable Delay or Compensable Delay or other matter that may involve or require a Contract Adjustment extending the Contract Time. Such notice shall be provided prior to performance of the Work affected or involved and no later than seven (7) Days after the Discovery Date of such circumstance.

**.2 Form.** Notices of Delay shall be provided using forms furnished by County or, if requested by County, using forms furnished by Contractor that are approved by County. Failure by County to request or approve a particular form shall not relieve Contractor of its obligation to provide Notice of Delay in a written form that complies with the requirements of this Paragraph 8.2.2.

**.3 Content.** Each Notice of Delay in order to be considered complete shall include:

- (1)** a general statement of the circumstances giving rise to the Notice of Delay (including, without limitation, identification of any related Construction Change Directive);
- (2)** a Reasonable Order of Magnitude Estimate by Contractor of any related Contract Adjustments extending the Contract Time; and
- (3)** if such circumstances involve a right to a Contract Adjustment to the Contract Price for Compensable Change that has not been waived by Contractor, Contractor shall include, if not previously provided, a complete and timely Notice of Change.

**.4 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO PROVIDE A COMPLETE AND TIMELY NOTICE OF DELAY UNDER CIRCUMSTANCES WHERE A NOTICE OF DELAY INVOLVING A DELAY IS REQUIRED BY THIS PARAGRAPH 8.2.2 SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO A CONTRACT ADJUSTMENT ON ACCOUNT OF SUCH CIRCUMSTANCES AND A WAIVER OF ANY RIGHT TO FURTHER RECOURSE OR RECOVERY BY REASON OF OR RELATED TO SUCH DELAY.**

**.5 No County Notice.** Failure by Contractor to submit a timely or proper Notice of Delay under circumstances in which a Notice of Delay is required shall in no way affect County's right to a Contract Adjustment shortening the Contract Time on account of such circumstances.

**8.2.3 Request for Extension.**

**.1 Submission.** With respect to any matter that may involve or require an adjustment extending the Contract Time, Contractor shall, within fourteen (14) Days after receipt by County of a Notice of Delay pursuant to Paragraph 8.2.2, above, submit to County a written Request for Extension.

**.2 Form.** Requests for Extension shall be provided using forms furnished by County or, if requested by County, using forms furnished by Contractor that are approved by County. Failure by County to request or approve a particular form shall not relieve Contractor of its obligation to provide Requests for Extension in a written form that complies with the requirements of this Paragraph 8.2.3.

**.3 Content.** Each Request for Extension in order to be considered complete shall include:

- (1)** a detailed description of the circumstances giving rise to the request for Contract Adjustment to the Contract Time and a Time Impact Analysis (a Request for Extension that seeks an extension for more than one Delay shall be supported by a separate Time Impact Analysis for each separate Delay); and
- (2)** if such circumstances involve a right to a Contract Adjustment of the Contract Price on account of Compensable Change that has not been waived by Contractor, Contractor shall include, if not previously provided, a complete and timely Change Order Request.



**.4 WAIVER BY CONTRACTOR.**

**FAILURE BY CONTRACTOR TO PROVIDE A COMPLETE AND TIMELY REQUEST FOR EXTENSION UNDER CIRCUMSTANCES WHERE A REQUEST FOR EXTENSION INVOLVING A DELAY IS REQUIRED BY THIS PARAGRAPH 8.2.3 SHALL, IN ACCORDANCE WITH THE PROVISIONS OF SECTION 4.6 OF THE GENERAL CONDITIONS, CONSTITUTE A WAIVER BY CONTRACTOR OF THE RIGHT TO A CONTRACT ADJUSTMENT ON ACCOUNT OF SUCH CIRCUMSTANCES AND A WAIVER OF ANY RIGHT TO FURTHER RECOURSE OR RECOVERY BY REASON OF OR RELATED TO SUCH DELAY.**

**.5 Adjustments Shortening Time.** Failure by Contractor to submit a timely or proper Request for Extension under circumstances in which a Request for Extension is required shall in no way affect County's right to a Contract Adjustment shortening the Contract Time on account of such circumstances.

**8.2.4 Response by County.** After receipt of a timely and complete Request for Extension, County shall investigate the facts concerning the cause and extent of such Delay and, depending on whether the Request for Extension is justified, will notify Contractor of its approval or disapproval of all or a portion of Contractor's request. Extensions of time approved by County shall apply only to that portion of the Work affected by the Delay, and shall not apply to other portions of Work not so affected.

**8.2.5 Formal Notice of Essence.** Contractor recognizes and acknowledges that timely submission of a formal Notice of Delay and a formal Request for Extension, whether or not the circumstances of a Delay may be known to County or available to County through other means, are not mere formalities but are of crucial importance to the ability of County to promptly identify, prioritize, evaluate and mitigate the potential effects of Delay. Any forms of informal notice, whether verbal or written (including, without limitation, statements at regular job meetings or entries in monthly reports, daily logs, job meeting minutes, updated Construction Schedules or look-ahead schedules), that do not strictly comply with the formal requirements of Paragraph 8.2.2, above, and Paragraph 8.2.3, above, shall accordingly be deemed insufficient to satisfy the notice requirements of this Article 8.

**8.2.6 Compensation for Delay.**

**.1 Compensable Delay.** Contract Adjustments to the Contract Price for a Compensable Delay that involve an extension of the Contract Time shall be based, without duplication to any other Contract Adjustments to the Contract Price, on the terms of Section 3.3 of the Construction Contract. Contractor agrees to accept such right of Contract Adjustment in lieu of any other right that may exist under Applicable Laws for recovery of Losses due to Compensable Delay, whether incurred by Contractor or its Subcontractors, of any Tier.

**.2 Deleted Work.** The Contract Time and Contract Price shall be reduced by Contract Adjustment for Deleted Work (including, without limitation, Deleted Work associated with a termination by County of a portion of the Construction Contract or a deletion of portion of Work for the convenience of the County or due to an Event of Contractor Default) that results in a shortening of the Contract Time.

**(1) Contract Time.** The Contract Adjustment shortening the Contract Time for Substantial Completion shall be the number of Days that Contractor at the time of contracting would have reasonably expected to expend in performance of the Deleted Work and that, based on the Contractor's original Construction Schedule prepared on or about the time of contracting, were reasonably expected by Contractor to be critical to Substantial Completion of the Work within the Contract Time for Substantial Completion.

**(2) Contract Price.** The Contract Adjustment reducing the Contract Price shall be the product of (1) the number of Days that the Contract Time for Substantial Completion is shortened pursuant to preceding Clause (1) of this Subparagraph 8.2.6.2 multiplied times (2) the amount of liquidated damages set forth in Paragraph 3.3.2 of the Construction Contract, without any additional credit to County for Allowable Markups.

**8.2.7 Acceleration of the Work.**

**.1 Due to Unexcused Delay.** If County makes a Good Faith Determination based on County's observations of progress in performance of the Work by Contractor that Contractor will not achieve Substantial Completion of the Work within the Contract Time as adjusted pursuant to Paragraph 8.2.1, above, then Contractor

shall, following receipt of a written request by County to accelerate, immediately respond in writing setting forth a detailed plan for accelerating the Work. All measures necessary, including working overtime, additional shifts, Saturdays, Sundays and holidays, to accelerate performance to ensure that the Work is performed within the Contract Time shall be taken by Contractor and the cost thereof shall be paid for by Contractor at Contractor's Own Expense. County may also take all other necessary measures to ensure no further Delays affect achievement of Substantial Completion and Final Completion of the Work within the Contract Time and the Contractor shall reimburse County, or County may withhold from payment due to Contractor, for Losses incurred by County in taking such measures.

**.2 Due to Excusable Delay.** Contractor shall have the right, exercised in its sole discretion, to accelerate performance of the Work to overcome time lost due to Excusable Delay. Such acceleration, if performed other than at the written direction of County, shall be deemed a voluntary acceleration and the cost of such accelerated performance shall be paid for by Contractor at Contractor's Own Expense. If County directs in writing that the Work be accelerated to overcome an Excusable Delay that is not concurrent with an Unexcused Delay, then Contractor shall be entitled to a Contract Adjustment to the Contract Price for such acceleration on and subject to the same terms as provided for in Subparagraph 8.2.7.3, below, in the case of an acceleration to overcome a Compensable Delay.

**.3 Due to Compensable Delay.** County shall have the right, exercised in its sole and absolute discretion, in lieu of granting a Contract Adjustment to the Contract Time for Compensable Delay, to direct in writing the acceleration of the Work by Contractor in order to recapture time lost due to such Compensable Delay. County and Contractor shall endeavor prior to commencement of such acceleration to mutually agree upon the amount of compensation to be paid therefor. County shall have the right, in the absence of such an agreement, to direct in writing that Contractor accelerate. Contractor shall comply with such directive. Contractor's right to a Contract Adjustment to the Contract Price on account of such acceleration shall be limited to (1) the premium time portion of any overtime paid for labor provided by Contractor or any Subcontractor, plus (2) additional supervision costs for additional shifts of supervision provided at the Site by Contractor only (not by Subcontractors), plus (3) Allowable Markup thereon as provided in Paragraph 7.7.5, above. Except as directed by County in the manner stated in this Subparagraph 8.2.7.3, no statements, conduct or actions by County will be construed as creating an obligation on the part of County to agree to a Contract Adjustment to the Contract Price on account of any cost of overtime or other costs associated with an acceleration of the Work to recapture time lost due to Compensable Delay.

**8.2.8 Concurrent Delays.** For purposes of the calculations provided for in this Paragraph 8.2.8, the words "concurrent delay", "concurrently delay" or "occur concurrently" mean the portion of two or more Delays affecting the critical path to Substantial Completion that are overlapping or co-existent. Contractor's right to a Contract Adjustment of the Contract Time (pursuant to Subparagraphs 8.2.8.1, 8.2.8.2 and 8.2.8.3, below) and Contract Price (pursuant to Subparagraphs 8.2.8.4, 8.2.8.5 and 8.2.8.6, below) shall, in the case of concurrent delays, be calculated in accordance with the following:

**.1** If an Excusable Delay and a Compensable Delay occur concurrently, the maximum extension of the Contract Time shall be the number of Days from the commencement of the first Delay to the cessation of the Delay which ends last.

**.2** If an Unexcused Delay occurs concurrently with either an Excusable Delay or a Compensable Delay, the maximum extension of the Contract Time shall be the number of Days, if any, by which such Excusable Delay or Compensable Delay exceeds the number of Days of such Unexcused Delay.

**.3** If an Unexcused Delay occurs concurrently with both an Excusable Delay and a Compensable Delay, the maximum extension of the Contract Time shall be the number of Days, if any, by which such Excusable Delay and Compensable Delay, as determined pursuant to Subparagraph 8.2.8.1, above, exceeds the number of Days of such Unexcused Delay.

**.4** If an Unexcused Delay occurs concurrently with a Compensable Delay, the maximum period of time for which Contractor shall be entitled to a Contract Adjustment to the Contract Price in accordance with Section 3.3 of the Construction Contract shall be the number of Days, if any, by which such Compensable Delay exceeds the number of Days of such Unexcused Delay.

.5 If a Compensable Delay occurs concurrently with an Excusable Delay, the maximum period of time for which Contractor shall be entitled to a Contract Adjustment to the Contract Price in accordance with Section 3.3 of the Construction Contract shall be the number of Days, if any, by which such Compensable Delay exceeds the number of Days of such Excusable Delay.

.6 If an Unexcused Delay occurs concurrently with both an Excusable Delay and a Compensable Delay, the maximum period of time for which Contractor shall be entitled to a Contract Adjustment to the Contract Price in accordance with Section 3.3 of the Construction Contract shall be the number of Days, if any, by which such Compensable Delay exceeds the number of Days of such Unexcused Delay.

8.2.9 **Delay Claims.** Claims by Contractor relating to disputed Contract Adjustments due to Delay shall be made in accordance with applicable provisions of Section 4.3, above.

8.2.10 **Exercise of County Rights.** Notwithstanding any other provision of the Contract Documents to the contrary, County's exercise in accordance with the Contract Documents of any of its rights or remedies permitted by Applicable Laws or the Contract Documents in response to a failure by Contractor or any Subcontractor to comply with the Contract Documents shall not, under any circumstances, entitle Contractor to a Contract Adjustment.

## ARTICLE 9 PAYMENTS AND COMPLETION

### 9.1 PAYMENT BY COUNTY

9.1.1 **Time for Payment.** County shall make payment of undisputed sums due to the Contractor upon Applications for Payment requesting Progress Payment not later than thirty (30) Days after receipt of an Application for Payment requesting Progress Payment that has been properly and timely prepared and submitted by Contractor, and approved by County, in accordance with the requirements of the Contract Documents.

9.1.2 **Not Acceptance.** No approval, inspection or use of, or payment for, the Work by County or by any person or entity acting on County's behalf, shall constitute acceptance of Work that is not in accordance with the Contract Documents or a waiver of any of County's rights under the Contract Documents.

9.1.3 **Interest.** If County fails to make payment of an undisputed sum due as a Progress Payment to the Contractor as required by this Article 9, County shall pay interest to the Contractor equivalent to the legal rate set forth in subdivision (a) of California Code of Civil Procedure §685.010. The number of Days available to the County to make payment without incurring such interest shall be reduced by the number of Days by which the County exceeds the seven (7) Day response time applicable to the County set forth in Section 9.5, below. The foregoing is the County's sole obligation with respect to payment of interest earned or accrued on an amount claimed due prior to the commencement by Contractor of legal proceedings for recovery of such amount.

9.1.4 **Disputed Payments.** Subject to Contractor's rights under Section 9.8, below, no good faith dispute or disagreement between County and Contractor with respect to the amount of any payment claimed due by Contractor shall relieve or excuse Contractor from the obligation to proceed with and maintain continuous, expeditious and uninterrupted performance of the Work.

### 9.2 APPLICATIONS FOR PAYMENTS

9.2.1 **Submission by Contractor.** Applications for Payment requesting Progress Payment shall be properly prepared and submitted by Contractor to County once a month on the twenty-fifth (25<sup>th</sup>) Day of the month. If the twenty-fifth (25<sup>th</sup>) Day of the month is a weekend or Holiday, the Application for Payment shall be submitted on the next working day.

9.2.2 **Period of Application.** The period covered by each such Application for Payment requesting Progress Payment shall be not more than thirty (30) Days ending on the twenty-fifth (25<sup>th</sup>) Day of the month in which such Application for Payment is submitted.

9.2.3 **Schedule of Values.** Each Application for Payment shall be accompanied by a Schedule of Values prepared and submitted in accordance with the requirements of the Contract Documents, including, without limitation, the provisions of Section 9.3, below.

9.2.4 **Changes in Work.** Applications for Payment may include requests for payment on account of Compensable Changes in the Work which have been properly authorized by Change Order or Unilateral Change Order.

9.2.5 **Progress Payments.** Applications for Payment requesting Progress Payments shall be based on amounts calculated in accordance with the provisions of Section 9.4, below.

9.2.6 **Percentage Completion.** Applications for Payment requesting Progress Payments shall indicate the Contractor's estimate of the percentage of completion of each line item listed in the Schedule of Values as of the end of the period covered by the Application for Payment.

9.2.7 **Projected Work.** Unless approved by County in writing in advance of an Application for Payment being submitted, which approval may be granted or denied in the sole and absolute discretion of County, Applications for Payment shall only include amounts for Work performed to the twenty-fifth (25<sup>th</sup>) Day of the month in which the Application for Payment was submitted and shall not include request for payment of amounts for Work projected to be performed, stored or delivered beyond that date.

9.2.8 **Disagreements.** In the event of a disagreement between County and Contractor over the accuracy or reasonableness of the Contractor's statement of percentage of progress achieved that is contained in the Application for Payment, the County shall make a Good Faith Determination of the percentage, which percentage shall then be inserted by Contractor in the Application for Payment and the Application for Payment submitted, or resubmitted, incorporating such revision.

9.2.9 **Substantial Completion.** For the sole purpose of the percentage calculation set forth in Paragraph 9.2.6, above, and for no other purpose, the Work shall be deemed one hundred percent complete upon Substantial Completion and the amount released to Contractor shall, subject to County's right to withhold pursuant to Section 9.6, below, be a sum sufficient to increase the total of Progress Payments to Contractor to ninety-five percent (95%) of the Contract Price.

9.2.10 **Certification by Contractor.** Each Application for Payment that is submitted by Contractor shall be signed by Contractor with a certification by Contractor to County that: (1) the data comprising the Application for Payment is accurate and the Work has progressed to the point indicated; (2) to the best of Contractor's knowledge, information and belief, the Work is in accordance with the Contract Documents; (3) Contractor is entitled to payment in the amount certified; and (4) all sums previously applied for by Contractor on account of the Work performed by the Subcontractors and that have been paid by County have been paid to the Subcontractors performing such Work, without any retention, withholding or back charge by Contractor.

9.2.11 **Stored Materials.** County may, in the exercise of its sole and absolute discretion, approve or disapprove for inclusion in Contractor's Application for Payment the cost of materials to be incorporated, but not yet incorporated, in the Work and delivered and suitably stored either at the Site or at some other appropriate location acceptable to the County. As part of any request for such approval, Contractor shall furnish evidence satisfactory to County: (1) of the cost of such materials; (2) that such materials are under the exclusive control of Contractor, or if not, that title to the materials is in the County, free of any lien or encumbrance; and (3) with respect to materials stored off-Site, that the materials are safely and suitably stored in a bonded warehouse with appropriate insurance coverage satisfactory to County. No payment or approval by County pursuant to this Paragraph 9.2.11 shall (a) be construed as an inspection or acceptance of the materials; (b) relieve Contractor of its continuing and sole responsibility for the care and protection of, and sole responsibility for any Loss to, such materials, from any cause whatsoever; or (c) operate as a waiver of rights by County.

9.2.12 **Title.** Contractor warrants that title to all the Work covered by an Application for Payment will pass to County no later than the time of payment. Contractor further warrants that upon submittal of an Application for Payment all Work for which approval for payment has been previously issued by County shall, to the best of Contractor's knowledge, information and belief, be free and clear of liens, claims, security interests or

encumbrances in favor of Contractor, the Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials or equipment for the Work.

### 9.3 SCHEDULE OF VALUES

9.3.1 **Initial Submission.** Within twenty-one (21) Days after issuance by County of the Notice of Intent to Award, Contractor shall submit to County a Schedule of Values, prepared in a form and incorporating a level of detail satisfactory to County, that allocates the Contract Price to various portions of the Work, including, without limitation, each portion of the Work to be performed by a Subcontractor, self-performed Work, discrete categories of direct (i.e., on-Site) overhead costs (sometimes referred to as "general conditions costs"), Contractor home office and indirect overhead and profit and amounts reserved for contingencies.

9.3.2 **Balanced Allocation.** The Schedule of Values shall be balanced, reflecting in each line item Contractor's estimated or actual cost commitments for the category of Work included in the line item and a proportionate share of Contractor's overhead and profit. Techniques, such as "front-end loading", designed to create an imbalanced cash flow are strictly prohibited.

9.3.3 **Line Estimates.** Line item values stated in the Schedule of Values that are based on Contractor's estimates, rather than actual subcontract prices, shall be identified as such and replaced with actual subcontract prices when they become available as the subcontracting process progresses.

9.3.4 **Updating.** The Schedule of Values shall be updated by Contractor each month as necessary to reflect the Contractor's actual progress in subcontracting the Work. An updated Schedule of Values shall be attached to each Application for Payment.

9.3.5 **Substantiation.** Contractor shall provide such data as County may reasonably require to substantiate that the Schedule of Values has been prepared in conformance with the requirements of the Contract Documents. Failure to provide such substantiation shall result in the Schedule of Values being deemed incomplete and unapproved by County for use by Contractor in submitting its Applications for Payment.

9.3.6 **Corrections.** If corrections are required in order to make the Schedule of Values comply with the requirements of the Contract Documents, such corrections shall be made as a condition of the Contractor's Application for Payment being considered properly prepared, submitted and complete.

9.3.7 **Changes to Work.** Costs involved in the performance of Work covered by Change Orders, Unilateral Change Orders or Construction Change Directives shall be, at the option of County, either separately scheduled or incorporated as adjustments to the respective trade lines of Work to which they apply. Except as otherwise expressly required by Article 7, above, the Schedule of Values shall not be utilized by Contractor as a basis for calculating Contract Adjustments.

9.3.8 **Applications for Payment.** The Schedule of Values prepared by Contractor in accordance with the requirements of the Contract Documents shall be used as a basis for County's review and approval or disapproval of Applications for Payment.

### 9.4 PROGRESS PAYMENT CONDITIONS

9.4.1 **Progress Payment Amount.** Subject to the other provisions of the Contract Documents, the amount of each Progress Payment requested in an Application for Payment shall be computed as follows:

.1 take that portion of the Work Order Amount properly allocable to Work (other than materials, products or equipment furnished by County) permanently incorporated at the Site as part of the Work, based on the product derived by multiplying (1) the percentage completion of each such portion of the Work times (2) the portion of the total Contract Price allocated to that portion of the Work in the Schedule of Values, less a retention of five percent (5%) thereof;

.2 add that portion of the Contract Price that is allocable to materials and equipment (other than materials, products or equipment furnished by County) approved by County pursuant to Paragraph 9.2.11, above, and suitably stored at the Site or at a location off-Site, less a retention of five percent (5%) thereof;

.3 subtract the aggregate of previous payments made by the County; and

.4 subtract amounts, if any, that County has determined will be withheld pursuant to an exercise of the County's right to withhold pursuant to Section 9.6, below.

**9.4.2 Other Conditions and Documentation.** Contractor shall submit its Applications for Payment requesting Progress Payments to County using such forms as required by County. Without limitation to any other conditions to payment set forth elsewhere in the Contract Documents, the following shall be conditions precedent to a proper submission, and to County's approval, of each Application for Payment:

.1 submission of a Schedule of Values that complies with Section 9.3, above;

.2 submission of Contractor's certification required by Paragraph 9.2.10, above;

.3 submission of: (1) forms of conditional releases of stop payment notice and bond rights upon progress payment, complying with California Civil Code §8132, for all Work performed during the time period covered by the current Application for Payment, signed by Contractor and the Subcontractors, of every Tier; and (2) forms of unconditional releases of stop payment notice and bond rights upon progress payment, complying with California Civil Code §8134, for all Work performed during the time period covered by the previous Application for Payment, signed by Contractor and the Subcontractors, of every Tier;

.4 compliance by Contractor with its obligation for daily maintenance of Record Drawings and Specifications as required by Paragraph 3.10.1, above;

.5 compliance by Contractor with its obligation for submission of daily reports as required by Paragraph 3.10.2, above;

.6 compliance by Contractor with its obligations for submission of scheduling information and updating of the Construction Schedule as required by Section 3.9, above, and other provisions of the Contract Documents pertaining to preparation or updating of schedules and scheduling information;

.7 proper payment of prevailing wages as defined in California Labor Code §1720, et seq.;

.8 timely submission of adequate and complete certified payroll records for any time period that Work was performed and for which payment is being requested;

.9 submission of certifications by Contractor and the Subcontractors as required by Applicable Laws certifying that all employee benefit contributions due and owing have been paid in full;

.10 submission of sales tax information as required by Paragraph 3.6.3, above; and

.11 compliance by Contractor with all of its other obligations for submission of documentation or performance of conditions which, by the terms of the Contract Documents, constitute conditions to Contractor's right to receive payment for Work performed.

## **9.5 COUNTY APPROVAL/REJECTION OF APPLICATIONS FOR PAYMENT**

**9.5.1 Review by County.** Subject to County's rights under Paragraph 9.5.4, below, County shall promptly review Applications for Payment submitted by Contractor and provide its approval or disapproval, in whole or part, within (1) seven (7) Days after receipt of an Application for Payment requesting Progress Payment, and (2) within fourteen (14) Days after receipt of an Application for Payment requesting Final Payment.

9.5.2 **Disapproval by County.** Disapproval by County disapproving of an Application for Payment shall be accompanied by an explanation of the reasons for such disapproval. Failure by County to specify in its disapproval a particular grounds for disapproval of an Application for Payment shall not waive the County's right to assert such grounds as a basis for any future disapproval, or nullification of its prior approval, of that or any other Application for Payment.

9.5.3 **Re-submittal by Contractor.** An Application for Payment that is disapproved by County shall be corrected and re-submitted by Contractor after receipt by Contractor of the notice of disapproval. A re-submitted Application for Payment shall be reviewed and responded to by County in the same manner as provided in Paragraphs 9.5.1 and 9.5.2, above. If re-submitted, the re-submitted Application for Payment shall be reviewed and responded to by County in the same manner as provided in Paragraph 9.5.1 and Paragraph 9.5.2, above. If not re-submitted, only the amount, if any, that is approved for payment shall be paid until such time as a proper Application for Payment that includes the disapproved amount has been submitted in another Application for Payment and, upon such re-submittal, approved for payment.

9.5.4 **Approval Nullification.** County reserves the right to nullify any prior approval of an Application for Payment that is later found to not be in compliance with the requirements of the Contract Documents, whether or not such noncompliance was previously actually observed or apparent on the face of the Application for Payment, and based on such nullification County may take either of the following actions, as applicable: (1) if the Application for Payment has not yet been paid by County, disapprove of that portion of the Application for Payment that is not in compliance and withhold payment of that sum until the noncompliance is fully rectified; or (2) if the Application for Payment has been paid by County, nullify the County's prior approval and withhold payment of such disputed amounts in response to future Applications for Payment; provided, however, that in either case the amount of the County's nullification shall be limited to that portion of the amount requested in the Application for Payment that is in dispute and the amount of its withholding from the current or any future Application for Payment shall be limited to the amount nullified plus any additional withholding permitted under Section 9.6, below.

9.5.5 **No Waiver by County.** Neither approval by County or Architect of, failure by County to exercise its right of nullification with respect to, nor payment by County upon, an Application for Payment or any portion thereof shall be interpreted as or constitute a waiver or release of any of County's rights to require Contractor's full compliance with the Contract Documents.

9.5.6 **No Representation.** Neither approval by County or Architect of, failure by County to exercise its right of nullification with respect to, nor payment by County upon, an Application for Payment or any portion thereof shall be interpreted as a representation that County or Architect has: (1) made exhaustive or continuous on-Site inspections to check the quality or quantity of the Work, (2) reviewed Contractor's construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from the Subcontractors and other data requested by County or Architect to substantiate Contractor's right to payment, or (4) made examination to ascertain how or for what purpose Contractor has used money previously paid on account of the Contract Price.

## 9.6 WITHHOLDING OF PAYMENT

9.6.1 **Grounds for Withholding.** County may decline to approve an Application for Payment and withhold payment requested under any unpaid Application for Payment, in whole or in part, to such extent that County makes a Good Faith Determination that withholding is necessary, in the sole discretion of County, because of any of the following circumstances:

.1 **Third-Party Claims.** Third-party claims or stop payment notices filed or reasonable evidence (including, without limitation, failure by Contractor to submit conditional releases of stop payment notice and bond rights required by the Contract Documents) indicating the possible filing of such claims or stop payment notices.

.2 **Defective Work.** Defective Work not remedied.

.3 **Nonpayment.** Failure of Contractor to make proper payments to a Subcontractor for services, labor, materials or equipment or other Work.

**.4 Inability to Complete.** Reasonable doubt that the Work can be completed for the then unpaid balance of the Contract Price or within the Contract Time.

**.5 Violation of Applicable Laws.** Failure of Contractor or a Subcontractor to comply with Applicable Laws.

**.6 Penalty.** Any penalty asserted against County by virtue of Contractor's failure to comply with Applicable Laws.

**.7 Lack of Progress.** Failure by Contractor to maintain progress in accordance with the Construction Schedule.

**.8 Setoff.** Any reason specified elsewhere in the Contract Documents as grounds for a withholding, offset or setoff or that would legally entitle County to a setoff or recoupment.

**.9 Consultant Services.** Additional professional, consultant or inspection services required due to Contractor's failure to comply with the Contract Documents.

**.10 Liquidated Damages.** Liquidated damages payable to County pursuant to Section 3.2 of the Construction Contract or that there is a reasonable basis to believe will be payable to County based upon the Contractor's project date for Substantial Completion based on its update Construction Schedule or based upon other evidence available to County of the probable date that the Work will be Substantially Completed.

**.11 Damage.** Loss caused to County, a Separate Contractor or any other person or entity under contract to County, by Contractor or a Subcontractor.

**.12 Cleanup.** Cleanup performed by County and chargeable to Contractor pursuant to the terms of the Contract Documents.

**.13 Employee Benefits.** Failure of Contractor to pay contributions due and owing to employee benefits funds pursuant to any applicable collective bargaining agreement or trust agreement.

**.14 Required Documents.** Failure of Contractor to submit on a timely basis, proper and complete documentation required by the Contract Documents, including, without limitation, schedule updates, 'look ahead' schedules, pricing information, certifications and other required reports or documentation.

**.15 Labor Compliance.** Failure of Contractor or any Subcontractor to properly pay prevailing wages as defined in California Labor Code §§1720 et seq.

**.16 Nullification.** Nullification by County pursuant to Paragraph 9.5.4, above, of its prior approval of an Application for Payment.

**.17 Releases.** Failure by Contractor to submit any conditional release of stop payment notice and bond rights that is required pursuant to Subparagraph 9.4.2.3, above or Subparagraph 9.10.4.4, below.

**.18 Other Breach.** A breach by Contractor of any obligation or provision of the Contract Documents.

**9.6.2 Application of Withholding.** Sums properly withheld pursuant to Paragraph 9.6.1, above, may be used by County without a prior judicial determination of County's actual rights with respect to the grounds on which such withholding is based. Contractor agrees and hereby designates County as its agent for such purposes, and agrees that such payments shall be considered as payments made under the Construction Contract by County to Contractor. County shall submit to Contractor an accounting of such funds disbursed on behalf of Contractor. As an alternative to such payment, County may, in its sole and absolute discretion, elect to exercise its right to adjust the Contract Price as provided in Section 13.4, below.



**9.6.3 Final Payment.** In accordance with California Public Contract Code §7107, the amount to be withheld from Contractor's Final Payment pursuant to a withholding asserted pursuant to Paragraph 9.6.1, above, shall be limited to one hundred fifty percent (150%) of the disputed amount.

**9.6.4 Release of Withholding.** When the reasons for withholding of payment as set forth in Paragraph 9.6.1, above, are removed, approval by County will be promptly issued to Contractor for amounts previously withheld and payment of amounts withheld will be made by County within thirty (30) Days thereafter.

**9.6.5 Additional Rights.** The County's right of withholding set forth in this Section 9.6 is in addition to, and not a limitation upon, any other rights of withhold that County may have under the Contract Documents or Applicable Laws.

## **9.7 PAYMENTS BY CONTRACTOR**

**9.7.1 Payments to Subcontractors.** Contractor shall not include in its Applications for Payment sums on account of any Subcontractor's portion of the Work that it does not intend to pay to such Subcontractor. Upon receipt of payment from County, Contractor shall pay the Subcontractors performing the Work, out of the amount paid to Contractor on account of such Subcontractors' portions of the Work, the amount to which said Subcontractors are entitled in accordance with the terms of their contracts with Contractor and Applicable Laws, including, without limitation, California Public Contract Code §7107. Contractor shall remain responsible, notwithstanding a withholding by County pursuant to the terms of these General Conditions, to promptly satisfy from its own funds sums due to all the Subcontractors who have performed the Work that is included in Contractor's Application for Payment. Contractor shall, by appropriate agreement, require each Subcontractor to make payments to its sub-subcontractors and suppliers in similar manner. County shall have no obligation to pay or be responsible in any way for payment to the Subcontractors, of any Tier.

**9.7.2 Payments in Trust.** Any funds that Contractor receives in payment for services or Work performed by a Subcontractor shall constitute assets of a trust, which trust funds shall be used for the exclusive benefit of the Subcontractor for the purpose of discharging Contractor's financial obligations on account of labor, services, materials or equipment furnished to the Project by the Subcontractor, provided that such labor, services, materials or equipment were performed in accordance with the Contract Documents, were included in an Application for Payment to County, and were paid by the County to Contractor. Contractor shall be the trustee of the trust and shall be required to deal with the trust assets for the benefit of the Subcontractor. Contractor shall not be a beneficiary of the trust. Nothing herein shall be construed as an intent to require that Contractor maintain trust funds in separate bank accounts, specifically designate any third party as a beneficiary of the trust created herein, or otherwise give rise to any cause of action against the County by any third party beneficiary of the trust created herein.

**9.7.3 Payment Information.** County will, on request, furnish to any of the Subcontractors, if practicable, information for such Subcontractor's review regarding percentages of completion or amounts applied for by Contractor and action taken thereon by County on account of portions of the Work done by such Subcontractor.

**9.7.4 Joint Payment.** County shall have the right, if deemed necessary in its sole discretion, to issue joint checks made payable to Contractor and any of the Subcontractors, of any Tier. The joint check payees shall be solely responsible for the allocation and disbursement of funds included as part of any such joint payment. Endorsement on such check by a payee shall be conclusively presumed to constitute receipt of payment by such payee. In no event shall any joint check payment be construed to create: (1) any contract between County and any of the Subcontractors, of any Tier; (2) any obligation from County to any of the Subcontractors; or (3) any third-party rights against County or Architect.

**9.7.5 Direct Negotiation of Stop Payment Notices.** County shall have the right to directly discuss, negotiate, settle or pay, without notice to or participation by Contractor, any stop payment notice claims asserted by the Subcontractors, of any Tier, and to deduct such sums paid from sums due to Contractor.

**9.7.6 Release of Stop Payment Notices.** With the exception of that portion, and only that portion, of a stop payment notice or other claim that arises as a result of a failure by the County to make payment to Contractor under circumstances constituting a breach of the Construction Contract by County, if any stop payment notice or other claim, whether invalid or valid, is filed with, served upon or made or asserted against the County or the

Site by any Subcontractor, of any Tier, or their agent or employee, for money claimed due, then Contractor shall within five (5) Days after written notice by the County procure, furnish and record appropriate releases or other instruments which under Applicable Laws will fully release, extinguish and remove such stop payment notice or claim, as well as any notices of pending action or other notices recorded against the Site in connection with the enforcement thereof. All costs of such actions by Contractor shall be paid for by Contractor at Contractor's Own Expense. Unless and until fully released as aforesaid, the County shall have the right to retain from any payment then due, or thereafter to become due, to Contractor an amount equal to one hundred and fifty percent (150%) of the amount necessary to satisfy, discharge and defend against any such stop payment notice or claim and any action or proceeding thereon, including, without limitation, an amount for anticipated attorney's fees and costs. If the amount to be paid, or the amount retained, is insufficient to satisfy, discharge and defend against any such stop payment notice or claim and any action or proceeding thereon, then Contractor shall be liable for the difference and upon demand shall immediately deposit the same with the County. The provisions of this Paragraph 9.7.6 are in addition to such other rights as the County may have against Contractor under the Contract Documents or Applicable Laws.

**9.7.7 No County Obligation.** Neither County nor Architect shall have any obligation to pay or to see to the payment of money to any of the Subcontractors except as may otherwise be required by Applicable Laws.

## **9.8 FAILURE OF PAYMENT**

If, through no fault of Contractor or failure by Contractor to comply with its obligations under the Contract Documents either: (1) approval or disapproval by County of an Application for Payment properly prepared and submitted by Contractor and requesting payment that is otherwise undisputed by County is not issued within the time period required therefor by the terms of this Article 9; or (2) the County does not (a) upon an Application for Payment properly prepared and submitted by Contractor pay to Contractor, within the time period required for payment by County, an undisputed amount approved by County as earned, which approval has not been, and is not thereafter, nullified by County, or (b) pay to Contractor an amount that has been awarded by arbitration or judgment of a court of competent jurisdiction, then Contractor may, following delivery to County of a written "10-day stop work order", stop the Work until, as applicable, an approval or disapproval by County, or payment by County, is received by Contractor. Promptly upon receipt of such approval or disapproval, or payment, as applicable, Contractor shall resume the Work. Any resulting Delay associated with the shut down and start up of the Work as a result of Contractor's proper exercise of its right to stop work under this Section 9.8 shall constitute a Compensable Delay.

## **9.9 SUBSTITUTION OF SECURITIES FOR RETENTION**

**9.9.1 Public Contract Code.** Pursuant to the requirements of California Public Contract Code §22300, upon the Contractor's request, the County will make payment to the Contractor of any funds withheld from payments to ensure performance under the Contract Documents if the Contractor deposits with the County, or in escrow with a California or federally chartered bank in California acceptable to the County ("Escrow Agent"), securities eligible for the investment of State Funds under Government Code §16430, or bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the Contractor and the County, upon the following conditions:

**.1** The Contractor shall be the beneficial owner of any securities substituted for monies withheld for the purpose of receiving any interest on such securities.

**.2** All expenses relating to the substitution of securities under said §22300 and under this Section 9.9, including, but not limited to the County's overhead and administrative expenses and expenses of Escrow Agent, shall be the responsibility of the Contractor.

**.3** Securities or certificates of deposit substituted for monies withheld shall be of a value of at least equivalent to the amounts of the retention to be paid to the Contractor pursuant to the Contract Documents.

**.4** If the Contractor shall choose to deposit securities in lieu of monies withheld with an Escrow Agent, the Contractor, the County and Escrow Agent shall, as a prerequisite to such deposit, enter into an escrow agreement. Such escrow agreement shall be substantially in the form "Escrow Agreement for Security Deposits in Lieu of Retention" set forth in California Public Contract Code §22300(f).

.5 The Contractor shall obtain the written consent of Surety to such agreement.

.6 Securities, if any, shall be returned to the Contractor only upon satisfactory Final Completion of the Work.

9.9.2 **Substitute Security.** To minimize the expense caused by such substitution of securities, the Contractor shall, prior to or at the time the Contractor requests to substitute security, deposit sufficient security to cover the entire amount to be withheld. Should the current market value of such substituted security at any time fall below the amount for which it was substituted, or any other amount which the County withholds pursuant to the Contract Documents, the Contractor shall immediately and at the Contractor's Own Expense deposit additional security qualifying under said §22300 until the current market value of the total security deposited is no less than the amount subject to withholding under the Contract Documents. Securities shall be valued as often as conditions of the securities market warrant, but in no case less frequently than once per month.

9.9.3 **Deposit of Retentions.** Alternatively, subject to the conditions set forth in Paragraph 9.9.1, above, upon request of the Contractor, the County shall make payment of retentions directly to Escrow Agent at the expense of the Contractor, provided that the Contractor, the County and Escrow Agent shall, as a prerequisite to such payment, enter into an escrow agreement in the same form as prescribed in Subparagraph 9.9.1.4, above. At the Contractor's Own Expense, the Contractor may direct the investment of the payments into securities and interest bearing accounts and the Contractor shall receive the interest earned on the investments. Escrow Agent shall hold such direct payments by the County under the same terms provided herein for securities deposited by the Contractor. Upon satisfactory Final Completion of the Work, the Contractor shall receive from Escrow Agent all securities, interest and payments received by Escrow Agent from the County, less escrow fees and charges of the Escrow Account, according to the terms of said §22300 and the Contract Documents.

#### 9.10 FINAL PAYMENT

9.10.1 **Payment by County.** Subject to the County's right of withholding as set forth in Section 9.6, above, or elsewhere in the Contract Documents, Final Payment shall be made by County not more than sixty (60) Days after completion of the Work as defined in Clauses (1), (2), (3) or (4) of California Public Contract Code § 7107(c), whichever definition is earliest satisfied.

9.10.2 **Application for Final Payment.** Upon issuance by County of the Notice of Final Completion pursuant to Paragraph 9.13.5, below, Contractor shall submit to County its Application for Payment requesting Final Payment.

9.10.3 **Review by County.** County will review and approve or disapprove of the Application for Payment requesting Final Payment as provided in Section 9.5, above.

9.10.4 **Conditions to Final Payment.** Without limitation to any other conditions to payment set forth elsewhere in the Contract Documents, the following shall be conditions to a proper submission, and to County's approval, of Contractor's Application for Payment requesting Final Payment:

.1 submission of Contractor certification as required by Paragraph 9.2.10, above;

.2 submission of consent of Surety, if any, to Final Payment;

.3 submission of a certificate evidencing that the insurance required by the Contract Documents is in force;

.4 submission of conditional releases and waivers of stop payment notice and bond rights upon final payment in the form required by California Civil Code §8136 executed by Contractor and by all the Subcontractors, of every Tier;

.5 submission of all Close-Out Documents (including, without limitation, complete, accurate Record Drawings and Specifications certified by Contractor as required by Paragraph 3.10.1, above);

.6 timely submission of adequate and complete certified payroll records for any time period that Work was performed, which have not been submitted by Contractor in connection with its previous Applications for Payment;

.7 proper payment of prevailing wages as defined in California Labor Code §§1720, et seq.;

.8 submission of certifications by Contractor and each Subcontractor, as required by any applicable collective bargaining agreement or trust agreement or Applicable Laws, certifying that all employee benefit contributions due and owing have been paid in full; and

.9 submission of any other documents or information required by the Contract Documents as a condition of Final Payment or Final Completion.

9.10.5 **Disputed Amounts.** Pursuant to California Public Contract Code § 7107, County may deduct and withhold from Final Payment an amount of up to one hundred fifty percent (150%) of any disputed amounts, including, without limitation, amounts to protect County against any Loss caused or threatened as a result of Contractor's failing to fully satisfy the conditions of Final Completion and Final Payment.

9.10.6 **No Waiver by County.** The making of Final Payment by County shall not constitute a waiver by County of any rights or claims, including, without limitation, any right or claim for reimbursement of Allowable Costs or Allowable Markup paid to Contractor that is determined by County, either before or after Final Payment, to have been not due to Contractor.

#### 9.10.7 **WAIVER BY CONTRACTOR.**

**ACCEPTANCE OF FINAL PAYMENT BY CONTRACTOR OR A SUBCONTRACTOR SHALL CONSTITUTE A WAIVER OF ALL RIGHTS BY THAT PAYEE AGAINST COUNTY FOR RECOVERY OF ANY LOSS, EXCEPTING ONLY THOSE CLAIMS THAT HAVE BEEN SUBMITTED BY CONTRACTOR IN THE MANNER REQUIRED BY SECTION 4.3, ABOVE, PRIOR TO, OR AT THE TIME OF CONTRACTOR'S SUBMISSION TO COUNTY OF, ITS APPLICATION FOR PAYMENT REQUESTING FINAL PAYMENT.**

#### 9.11 **SUBSTANTIAL COMPLETION**

9.11.1 **Contract Time.** Contractor shall achieve Substantial Completion of the Work, or such portion of the Work as may be designated at any time by County for separate delivery, in accordance with the requirements of the Contract Time and other provisions of the Contract Documents.

9.11.2 **Request for Inspection.** Contractor shall notify the County when Contractor believes that the Work, or portion thereof designated by the County in the Contract Documents or otherwise for separate delivery, is Substantially Complete.

9.11.3 **Substantial Completion Inspection.** When Contractor gives notice to County that it has achieved Substantial Completion of the Work, or a County designated portion thereof, unless the County determines that the Work or County designated portion thereof is not sufficiently complete to warrant an inspection to determine Substantial Completion, County, Inspector of Record, Architect and such others as may be designated by County will inspect the Work, or such County designated portion thereof.

9.11.4 **Substantial Completion Punch List.** At the conclusion of such inspection, County shall prepare and give to Contractor (or, Owner may request that Contractor prepare and provide to County) a Substantial Completion Punch List of items, if any, to be completed or corrected for Substantial Completion. If Contractor disputes any of the items included, it shall so note its objection on the Substantial Completion Punch List. Contractor shall proceed within forty-eight (48) hours after preparation of the Substantial Completion Punch List to commence correction or completion of the items on the Substantial Completion Punch List, including, without limitation, any disputed items, and all such items of Work shall be completed promptly by Contractor before the Work will be considered as Substantially Complete. Failure by County, Architect, Inspector of Record or Contractor to include an item on the Substantial Completion Punch List does not alter the responsibility of Contractor to perform the Work in accordance with the Contract Documents. Items of Work necessary for Substantial Completion that, for any reason,

have been omitted from the Substantial Completion Punch List shall be added to the Substantial Completion Punch List and Contractor shall, at the request of County, Architect or Inspector of Record made at any time prior to Final Payment commence correction or completion of such items within forty-eight (48) hours and all such items of Work shall be completed by Contractor promptly and before the Work will be considered as Substantially Complete.

**9.11.5 Re-Inspection.** Contractor shall notify County when the items of Work shown on the Substantial Completion Punch List are completed. County, Inspector of Record, Architect and such others as County deems necessary or appropriate will then make a further inspection to determine whether such Work is Substantially Complete. If such inspection, or any subsequent re-inspection required pursuant hereto, discloses any item, whether or not included on the Substantial Completion Punch List, which must be completed or corrected before Substantial Completion, Contractor shall, as a condition of Substantial Completion, complete or correct such item, which shall then be re-inspected to confirm that such Work is Substantially Complete. Contractor shall reimburse County, or County may at its option withhold from Contractor's payments, amounts incurred by County to the Inspector of Record, Architect, County Consultants or others whose services, for reasons within the control or responsibility of Contractor or the Subcontractors, are necessary for more than two (2) such re-inspections to determine Substantial Completion.

**9.11.6 Notice of Substantial Completion.** When County determines that the Work, or such designated portion thereof, is Substantially Complete, County will prepare a Notice of Substantial Completion on the County's form, which shall state the date of Substantial Completion. If the Notice of Substantial Completion is for the entire Work, then the County will attach to it the Final Completion Punch List prepared in accordance with Paragraph 9.13.2, below. Regardless of the date the Notice of Substantial Completion is issued, Substantial Completion shall be deemed to have occurred on the date stated in the Notice of Substantial Completion.

## **9.12 PARTIAL OCCUPANCY OR USE**

County reserves the right to beneficially occupy all or any portion of the Work at any time before Substantial Completion of the entire Work. Beneficial occupancy means that County has assumed physical occupancy and use of all or such portion of the Work. Commencement of improvements or other work by Separate Contractors in order to ready the Work for use or occupancy by County shall be unconditionally permitted in all cases prior to Substantial Completion and shall not constitute a taking of beneficial occupancy by County. Exercise by County in accordance with the provisions of this Section 9.12 of its right to take beneficial occupancy shall not constitute grounds for a Contract Adjustment. The County's right of beneficial occupancy of all or a portion of the Work prior to Substantial Completion shall be subject to the following conditions:

**9.12.1** County and such others as County deems necessary will make an inspection of the portion of the Work to be beneficially occupied and prepare a list of items to be completed or corrected in the same manner as required by and subject to the same conditions as set forth in Section 9.11, above.

**9.12.2** Beneficial occupancy by County shall not be construed as Acceptance of that portion of the Work which is to be occupied.

**9.12.3** Except as otherwise provided in this Section 9.12, beneficial occupancy by County shall not constitute a waiver of rights of the County against Contractor. Notwithstanding anything stated in this Section 9.12 or elsewhere in the Contract Documents to the contrary, beneficial occupancy by County shall not constitute a waiver of rights of County relating to Defective Work in the area beneficially occupied or in any other portion of the Work.

**9.12.4** Prior to the County's taking beneficial occupancy, Contractor shall submit to County an itemized list of each piece of equipment located in or serving the area to be occupied stating the date operation of such piece of equipment commenced, together with operating instructions, manuals and other information required by the Contract Documents. Contractor shall provide, in the areas beneficially occupied, on a continual basis, utility services, elevator service, and heating and cooling systems in operable condition commencing at the time of beneficial occupancy and until Final Completion of the entire Work. County shall be responsible, from and after taking occupancy, for utility consumption, regular operation and regular maintenance of such systems or equipment.

**9.12.5** County shall pay all normal operating and maintenance costs resulting from its use of equipment in areas beneficially occupied.

9.12.6 County shall pay all utility costs that arise out of its beneficial occupancy.

9.12.7 Contractor shall not be responsible for providing security in areas beneficially occupied.

9.12.8 County shall use its best efforts to prevent its beneficial occupancy from interfering with the conduct of Contractor's remaining Work.

9.12.9 Contractor shall not be required to repair damage caused solely by County's beneficial occupancy.

9.12.10 Contractor shall continue to maintain all insurance required by the Contract Documents in full force and effect.

### 9.13 FINAL COMPLETION

9.13.1 **Contract Time.** Contractor shall expeditiously and diligently perform the Work after Substantial Completion, including, without limitation, all items of Work on the Final Completion Punch List that accompanies the Notice of Substantial Completion, so as to achieve Final Completion within the requirements of the Work Order Time for Final Completion.

9.13.2 **Final Completion Punch List.** Contractor shall prepare and submit to County at the time that Contractor requests inspection for Substantial Completion of the entire Work pursuant to Paragraph 9.11.2, above, a draft proposed Final Completion Punch List of items of Work that will be required to be completed or corrected for Final Completion. Items identified in the course of any inspection for Substantial Completion that are required to Finally Complete the Work following Substantial Completion shall be added to the proposed Final Completion Punch List and the revised Final Completion Punch List attached to the Notice of Substantial Completion. If Contractor disputes any of the items included, it shall so note its objection on the Final Completion Punch List. When Contractor considers the Final Completion Punch List to be complete, it shall promptly sign and deliver the Final Completion Punch List to the County. Failure by County, Architect, Inspector of Record or Contractor to include an item on the Final Completion Punch List does not alter the responsibility of Contractor to perform the Work in accordance with the Contract Documents. Items of Work necessary for Final Completion that, for any reason, have been omitted from the Final Completion Punch List shall be added to the Final Completion Punch List upon request by the County made at any time prior to Final Payment and completion of such items shall be made promptly and before the Work will be considered Finally Complete.

9.13.3 **Performance of Punch List.** Contractor shall proceed promptly and in accordance with the Contract Time to correct and complete the items on the Final Completion Punch List, including, without limitation, any disputed items, and all such items of Work shall be completed by Contractor before the Work will be considered as Finally Complete.

9.13.4 **Request for Final Inspection.** Contractor shall notify County when Contractor believes that the Work is Finally Complete. County, Inspector of Record, Architect and such others as County deems necessary or appropriate will then make a further inspection to determine whether such Work is Finally Complete. If such inspection, or any subsequent re-inspection required pursuant hereto, discloses any item, whether or not included on the Final Completion Punch List, which must be completed or corrected before Final Completion, Contractor shall, as a condition of Final Completion, complete or correct such item, which shall then be re-inspected to confirm that such Work is Finally Completed. Contractor shall reimburse County, or County may at its option withhold from Contractor's payments, amounts incurred by County to the Inspector of Record, Architect, County Consultants or others whose services, for reasons within the control or responsibility of Contractor or the Subcontractors, are necessary for more than two (2) inspections to determine Final Completion.

9.13.5 **Notice of Final Completion.** When County determines that the Work is Finally Complete, County will prepare a Notice of Final Completion on the County's form, which shall state the date of Final Completion. Regardless of the date the Notice of Final Completion is issued, Final Completion shall be deemed to have occurred on the date stated in the Notice of Final Completion.

.1 For EZIQC Work Order Contracts, after the final inspection by County and all the contract documentation for the Contract has been received, it will be recommended to the County Board of Supervisors to

accept the Work and file a Notice of Completion. Upon approval of the Notice of Completion, a copy will be sent to the Contractor (see final payment clause) and recorded in the office of the County Recorder. Upon Acceptance of the Work, Contractor will be relieved of the duty of maintaining and protecting the Work. Neither determination by the County that the Work is complete, nor Acceptance thereof, shall operate as a bar to County's claim against Contractor pursuant to Contractor's warranty and guarantees.

**9.13.6 Notice of Completion.** In addition to issuance of the Notice of Substantial Completion and Notice of Final Completion, County shall have the right, exercised in its sole and absolute discretion, to record a Notice of Completion pursuant to California Civil Code §9204.

**9.13.7 No Waiver by County.** No inspections conducted pursuant to this Article 9 nor any approvals or certificates issued by County, Architect or Inspector of Record shall be deemed to be a waiver or limitation on County's right to insist on Final Completion and full performance of all other conditions to Final Payment under the Contract Documents prior to issuance of Final Payment to Contractor.

## **ARTICLE 10 INSPECTIONS, SAFETY AND HAZARDOUS SUBSTANCES**

### **10.1 INSPECTIONS**

**10.1.1 General.** One or more Inspectors of Record, including special inspectors as required, may be employed by County and assigned to the Work. The fees of Inspectors of Record shall be directly paid for by County. **IF INSPECTORS OR RECORD ARE ASSIGNED TO THE WORK, THEN NO WORK SHALL BE CARRIED ON EXCEPT UNDER THE INSPECTION, AND WITH THE KNOWLEDGE, OF THE APPROPRIATE INSPECTOR(S) OF RECORD,** and Contractor shall be responsible, at Contractor's Own Expense, to remove and replace any Work performed without such inspection by the appropriate Inspector of Record.

**10.1.2 Coordination.** Contractor shall schedule, arrange, and coordinate its activities with the activities of the County, Inspectors of Record, Architect, County Consultants and others designated by County to inspect or observe the Work. When, in order to comply with the intent of the Contract Documents, inspection or observation must be made at the plant or mill of the manufacturer or fabricator of material or equipment, Contractor shall notify the County, as well as any other persons identified by County as assigned by it to inspect or observe the Work, a sufficient length of time in advance to allow for arrangements to be made for such inspection or observation.

**10.1.3 Uncovering of Work.** County or an Inspector of Record shall have the right to request that any portion of the Work be uncovered by Contractor for inspection. Except as otherwise provided in Paragraph 10.1.1, above, if such Work is found to be in accordance with the Contract Documents, then all of the additional costs incurred in uncovering, replacing and re-covering the Work shall constitute grounds for Contractor, upon proper notice and request pursuant to Article 7, above, to receive a Contract Adjustment for Compensable Change and if such uncovering, replacing and re-covering of the Work causes a Delay, such Delay shall constitute grounds for Contractor, upon proper and timely notice and request pursuant to Article 8, above, to receive a Contract Adjustment for Compensable Delay. If such Work is not in accordance with the Contract Documents, then such costs of uncovering, replacing and re-covering shall be paid for by Contractor at Contractor's Own Expense and any resulting Delay shall be consider an Unexcused Delay.

**10.1.4 Off-Hours Inspections.** Contractor shall request approval by County before arranging any inspections either: (1) before 7:00 am or after 3:00 pm on Monday through Friday, or (2) on any Saturday, Sunday, holiday or any other time when Work is not usually in progress. Such request shall be delivered to County at least two (2) working days in advance of the inspection being performed. Approval or disapproval of such request is in the sole and absolute discretion of County. Except where such off-hours inspections are due to a breach by County of an obligation under the Contract Documents, the additional cost (over and above that which would be required for inspections during regular business hours) to County of the inspection shall be paid for by Contractor at Contractor's Own Expense.

**10.1.5 Access to the Work.** Contractor shall make available for use by County, Inspectors of Record, Architect, County Consultants and others assigned to inspect or observe the Work, any equipment

(wheelbarrow, shovel, ladder, man-lift, etc.) that is available or in use on Site, and is required to assist in such inspections or observations.

**10.1.6 Right to Stop Work.** County shall have the right, but not the obligation, to order Contractor to stop performance of Work. Inspectors of Record shall, only if and to the extent permitted by Applicable Laws or if they are given written authority to do so by County, have the authority, but not the obligation, to stop the Work whenever provisions of Contract Documents are not being complied with, or the conduct of the Work poses a probable risk of harm to persons or property.

**10.1.7 No County Duty.** No authority of the County, Inspectors of Record, Architect, County Consultants or others designated by County to inspect the Work that is conferred by the Contract Documents nor any decision made by any of them in good faith either to exercise or not exercise such authority, nor any recommendation by any of them, shall give rise to a duty or responsibility on the part of any of them to Contractor or to the Subcontractors, of any Tier.

**10.1.8 Contractor Responsibility.** Inspections or observations by the County, Inspectors of Record, County Consultants or others shall not in any way relieve Contractor from its sole responsibility for full compliance with all of the terms and conditions of the Contract Documents, nor be construed to lessen, to any degree, Contractor's responsibility for providing efficient and capable superintendence as required herein or for incorporating into the Work only those items of the Work that conform to the Contract Documents.

**10.1.9 Reimbursement to County.** Without limitation to any other provisions of the Contract Documents, Contractor shall reimburse the County at Contractor's Own Expense, or County shall have the right, at its option, to withhold from payments due to Contractor, costs of inspections, observations or testing and other Losses that are incurred for any of the following reasons: (1) Contractor has failed to execute the Work in accordance with the Contract Documents; (2) materials or equipment have been substituted by Contractor, without prior approval by the County and Architect; (3) Defective Work; or (4) to conduct load testing of certain portions of the structure that have not fully met the requirements of the Contract Documents.

## 10.2 SAFETY PRECAUTIONS AND PROGRAMS

**10.2.1 General Safety Obligation.** Contractor shall, notwithstanding the activities of others (such as, but not limited to, the County, Architect, Inspectors of Record, County Consultants or others designated by County to prepare safety recommendations or inspect or observe the Work), be solely responsible, on a twenty-four (24) hours a Day, seven (7) Days a week basis, for initiating, maintaining and supervising all safety precautions and programs on the Site in connection with the preparation, performance, observation or inspection of the Work, including all necessary precautions to protect and safeguard all persons and property from loss, injury, death or damage resulting, directly or indirectly, from the activities of Contractor or the Subcontractors, including, without limitation, all of the following:

- .1 persons in and around the Site, as well as their personal property and vehicles;
- .2 the Work, materials and equipment to be incorporated therein under care, custody or control of Contractor or the Subcontractors, of any Tier, whether in storage on or off the Site, including, without limitation, the provision of temperature control, covering and enclosures necessary to prevent Loss due to adverse weather conditions;
- .3 other property at the Site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, curbs, roadways, structures (including, without limitation, protection from settlement or loss of lateral support) and utilities not designated for removal, relocation or replacement in the course of construction; and
- .4 construction and operations by the County, Architect and Inspectors of Record.

**10.2.2 Contractor's Safety Program.** Prior to starting the Work, Contractor shall prepare and submit to County a Safety Program, which shall comply with the requirements of the Contract Documents and shall include, at a minimum, guidelines, requirements and procedures for the following: safety management policy; emergency response plan; illness and injury prevention procedures; safety meetings; accident investigation; basic



accident causes; safety inspection checklist; fire prevention and control; report forms; and employee safety manual and procedures for achieving compliance with safety requirements of insurers. A copy of the Safety Program shall be maintained on Site at all times and provided to the County upon request. Contractor is solely responsible for monitoring activities at the Site for compliance with the Safety Program and for the enforcement thereof.

**10.2.3 Safety Orders.** Contractor shall comply with all Applicable Laws, including, without limitation, all safety laws, standards, orders, rules, regulations and building codes, to prevent accidents or injury to persons on, about or adjacent to the Site and to provide a safe and healthful place of employment. Contractor shall, at Contractor's Own Expense, correct any violations of Applicable Laws occurring or threatened by conditions on the Site.

**10.2.4 Safety Representative.** Contractor shall designate a responsible member of its organization on the Site, who meets the qualification and competency requirements of Applicable Laws and whose sole duty shall be giving safety instructions, prevention of accidents and overall job site safety (including, without limitation, posting of information and other notices regarding safety that are required under occupational safety and health laws and compliance with reporting and other occupational safety requirements pertaining to the protection of the life, safety and health of the workers). The name of the person so designated shall be reported to the County by Contractor prior to the commencement of any Work on the Site.

**10.2.5 Protection.** Contractor shall take reasonable precautions to protect the Work and all building materials, equipment, temporary field offices, storage sheds, and other public and private real and personal property that might be affected, directly or indirectly, by Contractor's activities associated with performance of the Work, and shall make good, at Contractor's Own Expense, all Loss due to failure to provide such reasonable precautions.

**10.2.6 Safeguards, Disabled Access.** Contractor shall erect and maintain, as required by existing conditions and performance of the Work, all necessary safeguards for safety and protection, including, without limitation, safety devices, belts, nets, barriers, safety rails, canopies, danger signs, fire protection, no smoking prohibitions, warnings against hazards, safety regulations postings and notifications to owners and users of adjacent sites and utilities, and shall, as required by Applicable Laws, make provision for access for, and provide assistive devices to, persons with disabilities, including, without limitation, providing safe pathways of travel around areas where construction is being performed so that occupants, visitors, the public and others on the Site with disabilities are afforded reasonably direct and barrier-free access to areas of the Site and Existing Improvements.

**10.2.7 Fire, Explosives, Hazardous Substances.** Contractor shall take all necessary precautions to guard against and eliminate possible fire hazards. Explosives may be used or stored only when authorized in writing by the County. Explosives shall be handled, used and stored in accordance with Applicable Laws. When use or storage of explosives or other Hazardous Substances or methods of construction involving use of dangerous materials or equipment are necessary for execution of the Work, Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

**10.2.8 First Aid.** Contractor shall maintain emergency first aid treatment for all workers and other persons on the Project which complies with the Federal Occupational Safety and Health Act of 1970 (29 U.S.C.A. §§651 et seq.) and all other Applicable Laws.

**10.2.9 Unsafe Conditions.** Contractor shall immediately correct any condition that exists on the Site, or that County, in its reasonable judgment, determines to exist on the Site, that is unsafe or potentially unsafe to persons or property.

**10.2.10 Responsibility for Loss.** Contractor shall promptly remedy Loss to any property or person caused in whole or in part by the failure of Contractor, the Subcontractors, of any Tier, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable to fully comply with the requirements of this Article 10, except Loss attributable solely to the negligent acts or omissions of the County, Inspectors of Record, Architect, County Consultants or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, and not attributable, in whole or in part, to the negligence, willful misconduct or violation of Applicable Laws by Contractor or a Subcontractor, of any Tier, or the failure by Contractor to comply with the Contract Documents. The foregoing obligations of Contractor are in addition to and not a limitation upon Contractor's indemnity obligations under Section 3.18, above.

10.2.11 **Loading, Storage.** Contractor shall be responsible for coordinating the storage and staging of materials and equipment on-Site and off-Site and shall not load or store or permit any part of the Work or the Site to be loaded or stored so as to endanger the safety of persons or risk loss or damage to property.

10.2.12 **Emergency.**

.1 **Contractor Responsibility.** In an emergency involving safety or protection of persons or property, Contractor shall act immediately, either at County's direction or as otherwise necessary under the circumstances, to prevent any Loss. In such cases, Contractor shall immediately notify County, which notice may be oral, followed within twenty-four (24) hours after occurrence of the incident by written confirmation of the occurrence of such emergency and Contractor's action in response thereto.

.2 **County Action.** If, in the sole discretion of County, the condition is immediately threatening life or property, County may, with or without notice to Contractor, take whatever immediate action is necessary to correct the life-threatening condition, and the costs thereof, including, without limitation, any fees or costs of Architect, Inspectors of Record, County Consultants or others to whom County may be liable, shall be borne by Contractor at the Contractor's Own Expense.

10.2.13 **No County Responsibility.** Nothing set forth in this Section 10.2 or elsewhere in the Contract Documents shall be interpreted as an assumption of any responsibility on the part of County or other persons or entities other than the Contractor and the Subcontractors, to report such conditions to Contractor nor as relieving Contractor of any of its responsibilities under the Contract Documents.

10.2.14 **Separate Contractors.** With respect to work of a Separate Contractor being performed within an area of the Site that is under the responsibility or control of the Contractor, Contractor shall: (1) provide copies of the Safety Program to the Separate Contractors and advise the Separate Contractors of the areas of the Site to which the Safety Program applies and where compliance with the Safety Program is expected; (2) protect the Separate Contractors' work and workers from Loss due to the actions or inactions of Contractor and the Subcontractors; and (3) notify the Separate Contractor and County of any observed violation by the Separate Contractor of the Safety Program or of any violations by the Separate Contractor of Applicable Laws governing safety on the Site. Nothing herein shall be interpreted as relieving the Separate Contractors from their obligations to comply with the Contractor's Safety Program, as excusing any failure by a Separate Contractor from performing its obligations under its contracts with County or Applicable Laws or as obligating Contractor to directly supervise or enforce the obligations of the Separate Contractors to comply with the requirements of the Safety Program or Applicable Laws relating to safety.

10.3 **HAZARDOUS SUBSTANCES, MOLD**

10.3.1 **Hazardous Substances.**

.1 **On Site Conditions.**

(1) **Existing Conditions.** In the event Contractor or its Subcontractors encounter materials existing or otherwise present at the Site that are reasonably believed to be Hazardous Substances that have not been rendered harmless, Contractor and Subcontractors shall, except in cases where the removal, encapsulation or abatement of such Hazardous Substances is indicated by the Contract Documents to be part of the Work to be performed by Contractor, immediately stop Work in the area affected and report the condition to County in writing. Contractor and Subcontractors shall continue Work in unaffected areas reasonably believed safe. County shall then promptly arrange for the sampling, testing and profiling of such suspected Hazardous Substances to confirm the nature, quantity or concentration thereof. In the event that such suspected Hazardous Substances are determined not to be Hazardous Substances or to be Hazardous Substances but not of sufficient nature, quantity or concentration to trigger handling and manifesting of the same as a hazardous waste upon disturbance and removal, then Contractor and its Subcontractors shall, without any Contract Adjustment, be obligated to resume the portion of the Work that was suspended and shall proceed to handle and dispose of such materials pursuant to the Contract Documents, taking all reasonable precautions that are applicable under the circumstances. If, alternatively, the suspected Hazardous Substances are determined to be Hazardous Substances of sufficient nature, quantity or concentration to trigger handling and manifesting of the same as hazardous waste upon disturbance and removal, the parties shall

determine what, if any, action to take with respect to such Hazardous Substances, whether to resume Work with respect to such Hazardous Substances, taking all reasonable precautions that are applicable under the circumstances, and what, if any, Contract Adjustment is appropriate and mutually agreed in order to account for any increased cost of, or Delay in connection with, handling or disposal of Hazardous Substances not already contemplated and provided for in the Contract Documents.

**(2) Contractor Release.** Contractor and its Subcontractors shall not cause the discharge, release, emission, spill, storage, treatment or disposal of any Hazardous Substance on or adjacent to the Site, except as required and permitted by the Contract Documents and Applicable Laws in connection with Contractor's performance of an obligation to remove Hazardous Substances as part of the Work agreed to be performed under the Contract Documents or as otherwise required under the provisions of this Subparagraph 10.3.1.1. Should Contractor or its Subcontractors discharge, release, emit, spill, treat, store or dispose of any Hazardous Substance on the Site in violation of the foregoing obligation or otherwise in violation of Applicable Laws, Contractor shall at Contractor's Own Expense and without limitation to County's other rights or remedies for default immediately (a) inform County in writing of such event, (b) advise County with respect to any release reporting or notification requirement that may apply as a result of such event, (c) assist County in complying with any such reporting or notification requirement as determined by County, and (d) perform any investigation, remediation, removal or other response that is necessary or desirable in order to abate or clean up the condition resulting from such event to the full satisfaction of County and any applicable Governmental Authority. Such Hazardous Substances shall be removed and properly disposed of as soon as they can be accepted at an appropriate disposal facility, and in no event later than sixty (60) Days after such waste is generated, unless a longer time is approved by County.

## **.2 Remediation by Contractor.**

**(1) Application.** The provisions of this Paragraph 10.3.1.2 shall apply only if the Work to be performed by Contractor includes within its scope the removal, abatement, moving, handling, containment, disposal or transport of Hazardous Substances

**(2) Advance Submissions to County.** Before Contractor or any of its Subcontractors moves, removes, or transports Hazardous Substances to a facility for the receipt, treatment, storage or disposal of the Hazardous Substances ("Hazardous Substances Facility"), Contractor shall cause the person or entity who will be moving, removing or transporting the Hazardous Substances to provide to County the following: (a) verification of the Hazardous Substance Facility's or other transporter's licensed status to haul such materials; (b) verification of the Hazardous Substance Facility's licensed status, including a current permit to receive the specific materials to be transported there; (c) certification that the Hazardous Substance Facility is not under enforcement action by the U.S. Environmental Protection Agency ("EPA") or applicable State Governmental Authority or listed on any applicable EPA or applicable State Government Authority list of violating facilities; (d) verification of the Hazardous Substances Facility's EPA Identification Number (if applicable); and (e) original executed letter(s) of indemnity from the Hazardous Substances Facility bearing the Hazardous Substance Facility's letterhead. Contractor further warrants that the selected Hazardous Substance Facility is appropriately licensed and permitted to store, treat and dispose of Hazardous Substances waste in connection with the Work.

**(3) Contractor Responsibility.** Contractor warrants that it is aware of and understands the hazards which are presented to persons, property and the environment in performance of the transportation, storage and disposal of the Hazardous Substances described in the Contract Documents. Contractor and its Subcontractors and agents shall be responsible for the following: (a) processing the application for, and receiving on behalf of the County or appropriate entity, an EPA or state-equivalent generator identification number (if required); (b) preparing manifests and other shipping documents; (c) making all necessary arrangements (after consultation with County) for any off-Site transportation, treatment, storage and disposal of such Hazardous Substances in accordance with Applicable Laws; (d) ensuring the proper and lawful transportation and disposal of such Hazardous Substances, even if such services are performed by other entities under contract with Contractor or its Subcontractors; and (e) taking any necessary actions to ensure such proper transport and disposal in the event of any contingency, such as the rejection of the Hazardous Substances as nonconforming by any waste disposal facility. Contractor shall promptly provide to County copies of all manifests and other shipping documents confirming the receipt and proper disposal of all Hazardous Substances at the Hazardous Substances Facility, even if such services are performed by other entities under contract with Contractor or its Subcontractors.

**(4) Reporting Requirements.** Contractor shall comply with any Hazardous Substances release reporting requirements to Governmental Authorities directly applicable to Contractor. Notice of such reporting must be provided in advance to County or concurrently in the event of an emergency.

**(5) Samples.** Contractor and its Subcontractors shall retain all media samples for the longer of (a) the longest holding period specified in any federal, state or local laboratory analytical procedures or guidance for the analyses performed; or (b) three months for soil samples and thirty (30) Days for water samples. Further storage or transfer of samples will be made at County's expense upon County's written request of Contractor. Contractor shall require by contract that each and every Subcontractor and agent of Contractor or a Subcontractor who performs testing of samples in connection with the Work properly disposes of such samples in accordance with Applicable Laws after completion of testing and notice to County. Regarding any such samples which may remain on-Site, provided County has approved of such on-Site storage in advance, County agrees to pay all costs associated with the storage, transport, and disposal of such samples.

**(6) Verification.** Upon Final Completion of the Work, Contractor shall confirm to County in writing that: (a) all Hazardous Substances specified for removal in the Contract Documents have been removed; and (b) all Hazardous Substances wastes removed from the Site as part of the Work have been disposed of in accordance with this Subparagraph 10.3.1.2 and Applicable Laws in a Hazardous Substances Facility.

**10.3.2 Mold.** Contractor is responsible to immediately notify County in writing if any conditions in the construction materials incorporated or to be incorporated into the Work or present in Existing Improvements are encountered at the Site that Contractor or any Subcontractor knows or, in the exercise of due care of a Contractor and not that of a consultant with special or technical expertise in the subject of Mold, should know indicate the presence of Mold or if untreated are likely to result in the growth of Mold. Contractor shall thereafter take such precautions as are reasonably required to prevent the exposure of persons to such conditions until they have been evaluated. Except as otherwise authorized by the Contract Documents or as are usual and customary according to prevailing standards of the construction industry in the vicinity of the Project, Contractor shall not allow water or moisture to come into contact with materials in Existing Improvements or with materials located at the Site that are incorporated or to be incorporated into the Work and if such contact occurs, the areas affected shall be inspected by Contractor, using appropriate consultants experienced in testing and evaluating Mold, for the presence of Mold and evaluated for the potential of future growth of Mold. All portions thereof that are found to indicate the presence of Mold, or that are found to be in a condition that has the potential for becoming a source of Mold, shall be removed and replaced. Costs incurred by Contractor due to its failure to perform its obligation under this Paragraph 10.3.2 shall be borne by Contractor at Contractor's Own Expense.

**10.3.3 Release of County.** Contractor assumes the risk that its employees or the employees of its Subcontractors, and other persons that they cause or permit to be present on the Site, may be exposed to known or unknown Hazardous Substances or Mold. Under no circumstances shall County be liable for, and Contractor hereby fully and unconditionally releases County and the other Indemnitees from, and agrees to defend and indemnify County and the other Indemnitees on the terms set forth in Section 3.18, above, against, any and all known and unknown Losses resulting from or relating to the exposure of any employee of Contractor or its Subcontractors, or other person that they cause or permit to be present on the Site, to: (1) Hazardous Substances or Mold encountered in connection with or as a result of the performance of the Work, or (2) Hazardous Substances or Mold not necessarily encountered in connection with the performance of the Work, but to which any of them may nevertheless be exposed as a result of their being present on the Site.

**10.3.4 Communications with Governmental Authorities.** Contractor shall provide to County copies of all written communications with Governmental Authorities or others relating to Hazardous Substances or Mold (other than privileged communications); provided, however, that non-disclosure of privileged communications shall not limit Contractor's obligation to otherwise comply with the terms of the Contract Documents, including, without limitation, this Section 10.3.

**10.3.5 Subcontractors.** Contractor shall include provisions in all contracts it enters into with Subcontractors for the Work requiring them to assume toward Contractor and County the same obligations that Contractor assumes toward County under this Section 10.3. Contractor shall require the Subcontractors to ensure that such provisions are included in all contracts they enter into with all lower-Tier Subcontractors.

## ARTICLE 11 INSURANCE

### 11.1 INSURANCE

11.1.1 **Contractor's Insurance Requirements.** Without limiting or diminishing any of the Contractor's obligations to defend, indemnify or hold the County harmless as set forth elsewhere in the Contract Documents, Contractor shall procure and maintain or cause to be maintained throughout the performance of the Work and for the duration of any guarantee or warranty provided under the Contract Documents, at Contractor's Own Expense, the following insurance coverages:

**.1 Workers' Compensation.** If the Contractor has "employees", as defined by the State of California, the Contractor shall provide a policy of statutory Workers' Compensation Insurance (Coverage A) as prescribed by the laws of the State of California. Such policy shall include Employers' Liability (Coverage B) including Occupational Disease with limits not less than \$1,000,000 per person per accident. Such policy shall be endorsed to waive subrogation in favor of the County and, if applicable, to provide a Borrowed Servant/Alternate Employer Endorsement. Pursuant to §3700 of the California Labor Code, Contractor shall file with the County before commencing the Work the following signed certification:

*"I am aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I shall comply with such provisions before commencing the performance of the Work of this Construction Contract."*

**.2 Commercial General Liability.** Contractor shall provide a policy of Commercial General Liability insurance coverage, including but not limited to, premises liability, contractual liability, products and completed operations liability, personal and advertising injury, and cross liability coverage, covering claims which may arise from or out of Contractor's performance of its obligations hereunder. Such policy shall name the County, its agencies, districts, special districts and departments, and their respective directors, officers, elected or appointed officials, agents, employees and representatives, including, without limitation, the members of the Board of Supervisors, and all other Indemnitees, as "additional insureds" and contain a waiver of subrogation in favor of the County and all other such additional insureds. Such policy's limit of liability shall not be less than \$1,000,000 per occurrence combined single limit. If such policy contains a general aggregate limit, it shall apply separately to the Construction Contract or be no less than two (2) times the occurrence limit.

**.3 Vehicle Liability.** If vehicles or mobile equipment are used in the performance of the Work or other obligations under the Contract Documents, then Contractor shall provide a policy of liability insurance coverage for all owned, non-owned or hired vehicles so used in an amount not less than \$1,000,000 per occurrence combined single limit. If such policy contains a general aggregate limit, it shall apply separately to the Construction Contract or be no less than two (2) times the occurrence limit. Such policy shall name the County, its agencies, districts, special districts and departments, and their respective directors, officers, elected or appointed officials, agents, employees and representatives, including, without limitation, the members of the Board of Supervisors, and all other Indemnitees, as "additional insureds" and contain a waiver of subrogation in favor of the County and all other such additional insureds.

**.4 Property (Physical Damage).** Contractor shall provide a policy of all-risk property insurance coverage for the full replacement value of all Contractor's equipment, improvements/alterations, temporary structures, and systems, including without limitation, items owned by others in the Contractor's care, custody or control, used on the Site or other County-owned property, or used in any way connected with the performance of the Work.

11.1.2 **Other Mandatory Insurance Requirements.** The Contractor shall comply with the following requirements, which shall be deemed applicable to all carriers and insurance policies provided pursuant to Paragraph 11.1.1, above:

**.1 Insurer Rating.** Any and all insurance carrier(s) providing insurance coverage under any and all policy(ies) of insurance provided by Contractor pursuant to Paragraph 11.1.1, above, shall be admitted to the State of California and have an A M BEST rating of not less than A: VIII (A:8) (unless such requirements are waived in writing by the County Risk Manager, and if the County's Risk Manager waives such requirement for a particular insurer such waiver is only valid for that specific insurer and only for one policy term);

**.2 Self Insured Retentions.** Contractor shall advise County in writing the dollar amount of any "self insured retention" maintained by the Contractor that exceeds \$500,000 per occurrence. Each such self insured retention must have the prior written consent of the County Risk Manager before the commencement of any Work or operations or activities relating to the Work. If Contractor is notified that a self insured retention is unacceptable to the County, then at the election of the County, exercised in the County's sole and absolute discretion, by means of the written approval of the County's Risk Manager, the insurance carriers affected shall either: (1) reduce or eliminate such self-insured retention as respects the Construction Contract; or (2) procure a bond, satisfactory to County and approved by County in writing, which guarantees payment of losses and related investigations, claims administration, and defense costs and expenses.

**.3 Evidence of Insurance.** Contractor shall cause Contractor's insurance carrier(s) to furnish to the County either: (1) properly executed original certificate(s) of insurance and certified original copy(ies) of endorsement(s) effecting the coverage(s) required by this Section 11.1, or (2) if requested to do so orally or in writing by the County Risk Manager, provide original, certified copy(ies) of policy(ies) including all endorsement(s) and all attachment(s) thereto, showing such insurance is in full force and effect. Such certificate(s) and all policies of insurance provided by Contractor pursuant to this Section 11.1 shall contain the covenant of the insurance carrier(s) that thirty (30) Days' written notice shall be given to the County prior to any material modification, cancellation, expiration or reduction in coverage of such insurance. Each certificate of insurance and endorsement shall be signed by an individual expressly authorized by the insurance carrier to do so on the carrier's behalf. Contractor shall, if requested, provide written proof of such authorization. ***Contractor shall not commence any Work or any activities or operations related to the performance of the Work unless and until Contractor has complied with all of the requirements of this Section 11.1.***

**.4 Modification, Cancellation, Changes in Limits.** A material modification, cancellation, expiration, or reduction in coverage, shall constitute an Event of Contractor Default for which County shall have right, without limitation to its other rights or remedies provided for in the Contract Documents or under Applicable Laws, to terminate this Construction Contract. Such Event of Contractor Default may only be deemed cured if the County receives, prior to the effective date of such material modification, cancellation, expiration or reduction in coverage, properly executed original certificate(s) of insurance and original, certified copy(ies) of policy(ies) and endorsement(s), including all attachment(s) thereto, evidencing that the coverage(s) required by this Section 11.1 is(are) and will continue, without any gap in coverage, in full force and effect in accordance with all of the requirements of this Section 11.1

**.5 Primary Coverage.** It is understood and agreed to by County and Contractor that the Contractor's insurance coverage(s) provided under this Section 11.1 shall be construed as primary insurance, and the County's insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.

**.6 Additional Coverages.** County reserves the right to modify, adjust, add to and/or increase the types, amounts and terms of any insurance required under this Section 11.1 if the County Risk Manager determines, in the exercise of his/her sole and absolute discretion, that the type, amount or terms of the insurance required by this Section 11.1 has(have) become inadequate or that additional risk or exposure exists (such as, without limitation, the use of aircraft, watercraft, cranes, etc.) due to: (1) a Change in the Work; (2) the period of time of Contractor's actual performance of the Work continuing for longer than five (5) years from the Date of Commencement, whether due to Contract Adjustment or for any for any other reason; or (3) other circumstances not reasonably foreseeable to County.

**.7 Subcontractors.** Contractor shall include provisions in its subcontracts requiring each Subcontractor to assume an obligation toward Contractor to furnish insurance that complies with all of the requirements of this Section 11.1 as apply to Contractor's insurance provided to Owner and requiring such Subcontractors to furthermore include provisions in their contracts with lower-Tier Subcontractors likewise requiring

such lower Tier Subcontractors assume the same obligations for providing such insurance and for passing through all such obligations to all lower Tier Subcontractors.

**.8 Self-Insurance.** If approved by County, in the exercise of its sole and absolute discretion, the insurance requirements contained in this Section 11.1 may be met with a program(s) of self-insurance provided that such program has been submitted to County and approved in writing by County prior to commencement of the Work or of any activity or operation related to the performance of the Work.

**.9 Notice of Claim.** Contractor agrees to notify County of any claim by a third party or any incident or event that may give rise to a claim arising from the performance of the Work.

## **ARTICLE 12 BONDS**

### **12.1 PERFORMANCE BOND AND PAYMENT BOND**

**12.1.1 Performance and Payment Bonds.** Within ten (10) Days after the issuance of the Notice of Intent to Award and prior to commencing Work, Contractor shall deliver to County a good and sufficient labor and materials payment bond ("Payment Bond") and a good and sufficient performance bond ("Performance Bond"), each in the amount of one hundred percent (100%) of the Contract Price.

**12.1.2 Changes.** The penal amounts of the Performance Bond and Payment Bond shall be increased on account of Change Orders and Unilateral Change Orders increasing the Contract Price. If requested by County, Contractor shall deliver to County evidence of such increases.

**12.1.3 Replacement.** Should any bond required hereunder or any Surety on such bond become or be determined by County to be insufficient, it shall be replaced within ten (10) Days by a bond that fully complies with the requirements of this Section 12.1.

**12.1.4 Duration.** The Payment Bond shall remain in effect until Acceptance of the Work and all Claims of Contractor and the Subcontractors, of any Tier, have been fully and finally resolved. The Performance Bond shall remain in effect and assure faithful performance of all Contractor's obligations under the Contract Documents, including, without limitation, all warranty obligations.

**12.1.5 Condition of Payment.** No payments to Contractor for Work performed shall be made or due until there has been full compliance with the requirements of this Section 12.1.

**12.1.6 Surety Rating.** Any Surety company issuing the Payment Bond or Performance Bond shall be, at all times while such bond is in effect, an Admitted Surety. The Surety company issuing the Performance Bond shall additionally have at all such times a current A.M. Best rating of A VIII (A:8) or better.

**12.1.7 Premiums.** The premiums for the Performance Bond and Payment Bond are included in the Contract Price and shall be paid by Contractor at Contractor's Own Expense.

**12.1.8 Obligee.** The Performance Bond shall name County as obligee. All performance bonds, if any, purchased by Subcontractors shall name County as a dual obligee with Contractor.

**12.1.9 No Exoneration.** The Performance Bond and Payment Bond shall contain provisions to the effect that Changes, Change Orders, Unilateral Change Orders, Construction Change Directives, Modifications, Changes and Contract Adjustments shall in no way release or exonerate Contractor or its Surety from their obligations and that notice thereof is waived by the Surety.

**12.1.10 Communications.** County shall have the right to communicate with Surety with respect to matters that are related to performance of the Work. Contractor shall be provided with a copy of all such communications that are in writing. Such communications shall not create or be interpreted as creating any contractual obligation of County to Surety.

**12.1.11 No Limitation.** The requirements of this Section 12.1 pertaining to the Performance Bond and the Payment Bond shall be without limitation to any other obligations Contractor may have under Applicable Laws to provide bonding for the benefit of, and to assure payment to the Subcontractors performing the Work for, the Project.

**12.1.12 Subcontractor Bonds.** Each performance bond, if any, furnished by a first-Tier Subcontractor shall include a provision whereby the Surety consents to the contingent assignment of Contractor's rights under such bond to County as provided in Section 5.3, above.

**12.1.13 Claims.** By incorporation of the Construction Contract into the Performance Bond issued by Surety, Surety shall be deemed, subject to the other terms of the Performance Bond, to be bound by all of the obligations assumed by Contractor under the Contract Documents, including, without limitation, bound by any determination, resolution, award or judgment entered or made upon any Claim by or against Contractor.

## **ARTICLE 13 UNCOVERING AND CORRECTION OF THE WORK**

### **13.1 UNCOVERING OF THE WORK**

If a portion of the Work is covered contrary to the request or direction of County, Inspector of Record or Architect, or contrary to the requirements of the Contract Documents, it must, if required by the any of them, be uncovered for observation and be re-covered by Contractor at Contractor's Own Expense.

### **13.2 CORRECTION OF THE WORK**

Contractor shall promptly correct Defective Work, whether discovered before or after Substantial Completion and whether or not fabricated, installed or completed. All such Defective Work shall be either: (1) replaced and all the Work disturbed thereby made good by Contractor at Contractor's Own Expense; or (2) County may exercise its option pursuant to Section 13.4, below, to accept such Work and adjust the Contract Price.

### **13.3 GUARANTEE TO REPAIR PERIOD**

**13.3.1 Guarantee To Repair Period.** Besides guarantees and warranties required elsewhere in the Contract Documents, Contractor guarantees the Work as provided hereinbelow. The period of this guarantee, termed the "Guarantee To Repair Period," is for one (1) year commencing as follows:

**.1** for any portion of the Work that, upon Substantial Completion of the overall Work, is fully and finally complete and usable in all respects independent of other portions of the Work that are not fully and finally complete, on the date of Substantial Completion of such portion of the Work;

**.2** for space beneficially occupied or for separate systems fully utilized prior to Substantial Completion, from the first date of such beneficial occupancy or full utilization, as established by an appropriate written notice by County of intent to take beneficial occupancy; or

**.3** for all Work other than that described in Subparagraph 13.3.1.1, above or Subparagraph 13.3.1.2, above, from the date of Final Completion of the Work.

**13.3.2 Repair by Contractor.** Subject to the provisions of Paragraph 13.3.3, below, Contractor shall do the following: (1) correct, repair, replace, remove and restore, to the County's satisfaction, any Defective Work that becomes apparent during the progress of the Work or during the Guarantee To Repair Period; (2) correct, repair, replace, remove and restore, to the County's satisfaction, any other parts of the Work and any other real or personal property which is damaged or destroyed as a result of Defective Work or the correction of Defective Work; and (3) remove from the Site all the Work identified by the County as Defective Work, whether incorporated or not and whether discovered before or after Substantial or Final Completion. Ordinary wear and tear, abuse, or neglect by County or by County employees, its staff, visitors, public or others (except for those under the control or responsibility of Contractor or its Subcontractors) who are authorized or admitted by County to enter, use or occupy the Work, or



who enter, use or occupy the Work after Final Completion, are excepted from the foregoing guarantee. All Losses resulting from Defective Work, including, without limitation, all costs of such correction, repair, replacement, removal and restoration, additional testing, inspection and additional service fees and costs of the Inspector of Record, Architect, County Consultants or others whose services may be made necessary thereby as well as any Loss to any other parts of the Work and any other real or personal property which is damaged or destroyed as a result of Defective Work or the correction, repair, replacement, removal or restoration of Defective Work, shall be paid for by Contractor at Contractor's Own Expense. Contractor shall correct, repair, replace, remove and restore Defective Work at such times as are acceptable to the County and in such a manner as to avoid, to the greatest extent practicable, disruption to the activities of the County, its staff, visitors, the public or others. Contractor shall notify the County in writing upon the completion of such correction, repair, replacement, removal and restoration.

**13.3.3 Notice by County.** Except as otherwise provided in this Paragraph 13.3.3 where immediate corrections are needed due to dangerous conditions or risk of imminent Loss or interruption of County operations, the County will give notice to Contractor of Defective Work observed prior to Final Completion in accordance with the provision of Section 15.1, below, governing the occurrence of an Event of Contractor Default and the Contractor shall proceed to cure such Event of Contractor Default in accordance with the requirements of Section 15.1, below, and Paragraph 13.3.2, above. With respect to Defective Work observed after Final Completion, the County will give notice to Contractor with reasonable promptness and Contractor shall commence the correction, repair, replacement, removal and restoration as required by Paragraph 13.3.2, above, no later than ten (10) Days after mailing of such notice to Contractor and Contractor shall thereupon diligently and continuously prosecute such correction, replacement, repair, or restoration to completion. Notwithstanding the foregoing, if in the County's opinion the presence of Defective Work, whether observed prior to Final Completion or after Final Completion and during the Guarantee To Repair Period, poses a risk or threat: (1) to life, safety or the protection of property; (2) of imminent Loss to the County or to any other person or entity; or (3) of causing an interruption in the operations of the County, then County will have the right, in the exercise of its sole and absolute discretion, to proceed with correction or replacement of the Defective Work without prior notice to Contractor, but in such cases will attempt to notify Contractor as soon as possible of the conditions encountered and the action taken by County. Such action by County without prior notice to Contractor shall not relieve Contractor of its responsibility for the costs of such County action or for any Loss occasioned by the Defective Work or necessitated by the County's action, whether such Loss occurs before or after such County action is implemented or completed.

**13.3.4 Correction by County.** If Contractor fails to perform any of its obligations under Paragraph 13.3.2, above, to correct, repair, replace, remove or restore then County, or Separate Contractors under the County's direction, may, notwithstanding any other provisions of this Article 13, proceed to do so and all costs associated therewith (including, without limitation, the cost to store any materials removed) shall be the responsibility of and paid by Contractor at Contractor's Own Expense. Such action by County will not relieve Contractor of the guarantees provided in this Article 13 or elsewhere in the Contract Documents. In addition to Contractor's other obligations under Paragraph 13.3.2, above, Contractor shall correct, repair, replace, remove and restore, to the County's satisfaction and at Contractor's Own Expense any other parts of the Work and any other real or personal property that are damaged or destroyed as a result of such actions by County or the Separate Contractors.

**13.3.5 Sale.** If Contractor does not pay the costs of, or any of the Losses associated with, the correction, repair, replacement, removal or restoration required by the provisions of Paragraph 13.3.2 through Paragraph 13.3.4, above, then within five (5) Days after notice by the County, County may sell any materials or other items of Work removed at auction or at private sale or otherwise dispose of such materials or items and shall account for the net proceeds thereof, after deducting all such costs and Losses, and all costs of sale. If such net proceeds of sale do not cover the Losses for which Contractor is liable to the County, the County may at its option reduce the Contract Price or any payments due to Contractor by such deficiency or recover such deficiency from Contractor.

**13.3.6 No Limitation.** Contractor's obligations under this Article 13 are in addition to, and not in limitation of, its warranty obligations under Section 3.5, above, and any other obligation, guaranty or warranty of Contractor or any other third party under the Contract Documents. Nothing contained in this Article 13 shall be construed to shorten any periods of limitation with respect to other obligations of Contractor under the Contract Documents that are for longer specified periods. Establishment of the Guarantee To Repair Period in no way limits either Contractor's liability for Defective Work or the time within which proceedings may be commenced to enforce Contractor's obligations under the Contract Documents.

#### 13.4 ACCEPTANCE OF NONCONFORMING WORK

Notwithstanding any other provisions of the Contract Documents to the contrary, the County shall have the option, exercised in its sole and absolute discretion after notice to Contractor, in lieu of requiring that Defective Work be remedied or corrected, to reduce the Contract Price to reflect the reduced value of the performance received by County. Such option shall be exercised solely by written notice to Contractor and shall not be implied from any act or omission by County. If there are no remaining payments of the Contract Price to be made to Contractor, or if the remaining payments and retention are insufficient to cover the amount of the reduction of the Contract Price, Contractor shall promptly pay to County the amount of any such deficiency.

### ARTICLE 14 MISCELLANEOUS PROVISIONS

#### 14.1 GOVERNING LAW

The interpretation and enforcement of the Construction Contract and other Contract Documents and of the performance by the parties thereunder shall, notwithstanding application of the principles of conflicts of laws, be governed by the laws of the State of California. The Superior Court for the County of Riverside shall have exclusive jurisdiction and venue over any legal proceedings arising out of or involving the interpretation or enforcement of, or other matters relating to, the Construction Contract, the other Contract Documents or the performance of the parties thereunder.

#### 14.2 TIME OF ESSENCE

All time limits stated in the Contract Documents relative to Contractor's performance of its obligations under the Contract Documents are of the essence.

#### 14.3 SUCCESSORS AND ASSIGNS

The Construction Contract and other Contract Documents shall be binding on successors, assigns and legal representatives of County and Contractor, respectively. Contractor shall not assign, sublet or transfer an interest in or claim under this Construction Contract without advance written approval of County, which approval may be granted or withheld by County in its sole and absolute discretion, and any assignment, subletting or transfer without written approval by County shall be deemed void from its inception. Any assignment, subletting or transfer, whether or not approved by County, will not release Contractor from any of its obligations under the Contract Documents to County. County shall have the right to assign, sublet or transfer its interest in or any claim under the Construction Contract upon written notice to Contractor.

#### 14.4 WRITTEN NOTICE

Any notice from one party to the other or otherwise under the Contract Documents shall be in writing and shall be dated and signed by the party giving such notice or by a duly authorized representative of such party. Any such notice shall be deemed to have been duly served if served in the following manner, and in accordance with Civil Code §8100 et seq.:

**14.4.1 Notice to County.** If notice is given to County: (1) by personal delivery thereof to County; or (2) by depositing same in United States mail, enclosed in a sealed envelope addressed to County at Economic Development Agency, Riverside Centre, 3403 Tenth Street, 4th Floor, Riverside, CA 92501, and to such other address as set forth in the Bidding Documents as the location for submission of Bids and sent by registered or certified mail with postage prepaid, or express mail or overnight delivery by an express mail carrier; or (3) by leaving the notice and mailing a copy in the manner provided in Code of Civil Procedure §415.20.

**14.4.2 Notice to Contractor.** If notice is given to Contractor: (1) by personal delivery thereof to Contractor; or (2) by depositing same in United States mails, enclosed in a sealed envelope addressed to Contractor at its address stated in the Construction Contract, or if none is so stated at the address on the records of the Contractor's State License Board and sent by registered or certified mail with postage prepaid or express mail or

overnight delivery by an express mail carrier; or (3) by leaving the notice and mailing a copy in the manner provided in Code of Civil Procedure §415.20.

**14.4.3 Notice to Claimant.** If notice is given to a claimant as defined in Civil Code §8004: (1) by personal delivery thereof to claimant; or (2) by depositing same in United States mail, enclosed in a sealed envelope addressed to claimant at its address stated in: a preliminary notice, stop payment notice, or claim against a payment bond; or on the records of the Contractor's State License Board; and sent by registered or certified mail with postage prepaid or express mail or overnight delivery by an express mail carrier; or (3) by leaving the notice and mailing a copy in the manner provided in code of Civil Procedure §415.20.

**14.4.4 Notice to Surety.** If notice is given to the Surety: (1) by personal delivery to the Surety; or (2) by depositing same in United States mail, enclosed in a sealed envelope, addressed to the Surety at the address of the Surety shown in the applicable Performance Bond or Payment Bond, or if none is shown, the address on the records of the Department of Insurance, and sent by registered or certified mail with postage prepaid or express mail or overnight delivery by an express mail carrier; or (3) by leaving the notice and mailing a copy in the manner provided in Code of Civil Procedure §415.20.

## **14.5 RIGHTS AND REMEDIES**

**14.5.1 County Rights.** Rights and remedies available to the County under the Contract Documents are in addition to and not a limitation of County's rights and remedies otherwise available under other provisions of the Contract Documents or Applicable Laws.

**14.5.2 Writing Required.** Provisions of the Contract Documents may be waived by County only in writing signed by the Director stating expressly that it is intended as a waiver of specified provisions of the Contract Documents.

**14.5.3 Subsequent Breach.** A waiver by either party of any breach of any term, covenant, or condition contained in the Contract Documents shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained therein whether of the same or a different character.

## **14.6 NO NUISANCE**

Contractor shall not maintain, commit or permit the maintenance or commission of any nuisance in connection with the performance of Work.

## **14.7 EXTENT OF AGREEMENT**

The Contract Documents represent the full and complete understanding of every kind or nature between the parties and all preliminary negotiations and prior representations, proposals and contracts, of whatever kind or nature, are merged herein and superseded hereby. No verbal agreement or implied covenant shall be held to vary the provisions of the Contract Documents. Any modification of this Construction Contract or the other Contract Documents will be effective only by written instrument signed by both County and Contractor and shall, if required by Applicable Laws, be formally approved or ratified by the Board of Supervisors.

## **14.8 NO THIRD-PARTY RIGHTS**

Nothing contained in the Construction Contract or the other Contract Documents is intended to make any person or entity who is not a signatory to this Construction Contract a third-party beneficiary of any right of Contractor (including, without limitation, any right of Contractor to a benefit derived from, or to the enforcement of, an obligation assumed by County) that is expressly or impliedly created by the terms of the Contract Documents or by operation of Applicable Laws.

#### 14.9 SEVERABILITY

Should any part, term, portion or provision of the Construction Contract or the other Contract Documents, or the application thereof to any party or circumstance, be held to be illegal, invalid or in conflict with Applicable Laws, or otherwise be rendered unenforceable or ineffectual, the validity of the remaining parts, terms, portions or provisions, or the application thereof to any other party or circumstances, shall be deemed severable and the same shall remain enforceable and valid to the fullest extent permitted by Applicable Laws.

#### 14.10 PROVISIONS REQUIRED BY APPLICABLE LAWS

Each and every provision of law and clause required by Applicable Laws to be inserted in the Construction Contract or other Contract Documents shall be deemed to be inserted in the Contract Documents shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted or if inserted and requires correction, then upon request of either party these General Conditions shall forthwith be amended by the parties to the Construction Contract to make such insertion or correction.

#### 14.11 SURVIVAL

All provisions of the Contract Documents that either expressly, or by their nature, require performance or assumption by Contractor of an obligation that extends beyond termination of the Construction Contract or Final Completion of the Work, including, without limitation, Contractor's obligations of, or relating to, indemnification, insurance, ownership of documents, retention and audit of books and records, warranties and guaranties and resolution of Claims shall be deemed to survive either termination of the Construction Contract or Final Completion of the Work.

#### 14.12 FEDERAL GRANTS

In the event of a federal grant or other federal financing participation in the funding of the Project, Contractor shall, as required in connection with, or as a condition to, such federal grant or other federal financing participation, permit access to and grant the right to examine its books covering its services performed and expenses incurred under the Construction Contract or other Contract Documents by the federal agency and comply with all applicable federal agency requirements including, without limitation, those pertaining to work hours, overtime compensation, non-discrimination, and contingent fees.

#### 14.13 PROHIBITED INTERESTS

Contractor agrees not to accept any employment or representation which will, or is likely to, make Contractor "financially interested" (as provided in California Government Code §§1090 and 87100, hereinafter "financially interested") in any decision made by County on any matter in connection with which Contractor has been retained in connection with the Project. Without limitation to the foregoing, transactions and interests prohibited by this Section 14.13 include the following: (1) no official or employee of County who is authorized in such capacity and on behalf of County to negotiate, make, accept, or approve, or to take part in negotiating, making, accepting or approving any architectural, engineering, inspection, construction or material supply contract or any subcontract in connection with construction of the Project, shall become directly or indirectly financially interested in the performance of the Construction Contract or in any part thereof; (2) no officer, employee, architect, attorney, engineer or inspector of or for County who is authorized in such capacity and on behalf of County to exercise any executive, supervisory or other similar functions in connection with Construction Contract or in any part thereof; and (3) Contractor shall receive no compensation hereunder, and shall repay County for any compensation received by Contractor hereunder, should Contractor or any of the Subcontractors aid, abet or knowingly participate in violation of this Section 14.13.

#### 14.14 ASSIGNMENT OF ANTI-TRUST ACTIONS

California Public Contract Code §7103.5(b), which is hereby incorporated by this reference, provides:

"In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, contractor or the subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act, (15 U.S.C. Sec. 15) or under the

Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to Contractor, without further acknowledgement by the parties."

Contractor for itself and all the Subcontractors agrees to assign to County all rights, title and interest in and to all such causes of action Contractor and all the Subcontractors may have in connection with purchases related to or under the Contract Documents. This assignment shall become effective at the time County tenders Final Payment to Contractor, and Contractor shall require assignments from all the Subcontractors to comply herewith.

#### **14.15 NO WAIVER**

County's approval, acceptance, use or payment for any or part of Contractor's performance of the Work shall not in any way alter Contractor's obligations, or waive any of County's rights, under Contract Documents.

#### **14.16 CONSENT TO PHOTOGRAPHING**

Contractor is advised that County intends, from time to time, to take photographs, videotapes and/or motion pictures of the Work, and workers located on the Site and proximate settings. Contractor consents to the use of Contractor's name and likeness in instructional or training uses, news releases, advertising and/or publicity throughout the world in perpetuity, in all media now known or hereafter invented. Contractor shall include in its contracts with its Subcontractors a consent by the Subcontractor to the use of Subcontractor's name and the likenesses of its employees on the same terms as provided for herein applicable to such consent by Contractor.

### **ARTICLE 15 DEFAULT, TERMINATION AND SUSPENSION**

#### **15.1 COUNTY REMEDIES FOR DEFAULT**

**15.1.1 Event of Default.** Each and any of the following shall be considered an Event of Contractor Default:

- .1 Contractor files a petition, or has filed against it a petition, for bankruptcy or is adjudged bankrupt;
- .2 Contractor makes a general assignment for the benefit of its creditors;
- .3 a receiver is appointed on account of Contractor's insolvency;

.4 Contractor defaults, by failing or refusing to perform any obligation set forth in the EZIQC Contract, General Conditions, Work Order(s), or elsewhere in the Contract Documents (including, without limitation, the performance or installation of Defective Work) and thereafter: (1) fails to commence to cure such default within two (2) working days after receipt of written notice of default; (2) if the default can be cured within three (3) Days, Contractor fails or refuses after commencing to cure in accordance with Clause (1) hereof to fully cure such default within three (3) Days after receipt of written notice of default; or (3) if the default cannot be fully cured within three (3) Days, Contractor fails after commencing to cure in accordance with Clause (1) hereof to diligently and continuously prosecute and fully cure such default within ten (10) Days after receipt of such written notice;

.5 Contractor fails or refuses to perform an obligation set forth in the EZIQC Contract, General Conditions, Supplemental General Conditions, Work Order(s), or other Contract Documents that either (1) cannot be cured, or (2) cannot be cured within the 10-Day cure period set forth in Subparagraph 15.1.1.4, above;

.6 Specifically, if the Contractor refuses or fails to:

- (a) accept a Work Order or any part of a Work Order as directed by the County;

- (b) respond to a joint scope invitation as issued by the County Project Manager;
- (c) develop Proposal(s) properly and timely in substantial compliance with an RFP issued by the County Project Manager;
- (d) reach agreement with the County on the means, methods, and quantities to accomplish a specific scope of Work;
- (e) commence the Work within the time specified in the Work schedule;
- (f) prosecute the Work or any separable part with due diligence to ensure completion in accordance with the Work schedule, including any extensions or adjustments made thereto;
- (g) provide sufficient and properly skilled workmen or proper materials or equipment to complete the Work in a workmanlike manner and without

.7 a breach of any other agreement between County and Contractor as provided in Paragraph 15.1.9, below.

**15.1.2 County's Remedies.** Without limitation to the County's other rights or remedies under the Contract Documents or Applicable Laws, if there is an Event of Contractor Default, County shall have the right to exercise any one or more of the following remedies:

**.1 Take Over Work.** County may, without terminating the EZIQC Contract and without incurring any additional liability or responsibility to Contractor (including, without limitation, any obligation to agree to a Contract Adjustment for any portion of the taken-over or non-taken-over Work), take over and perform, or engage others to perform, all or a portion of the Work.

**.2 Suspend Work.** County may, without terminating the EZIQC Contract and without incurring any additional liability or responsibility to Contractor (including, without limitation, any obligation to agree to a Contract Adjustment for any portion of the suspended or non-suspended Work), suspend Contractor's performance of all or a portion of the Work for as long a period of time as the County determines, in its sole discretion, is appropriate.

**.3 Termination.** County may, without incurring any additional liability or responsibility to Contractor, terminate the EZIQC Contract, the Work or any portion thereof.

**.4 Surety.** If there is an Event of Contractor Default pursuant to any of Subparagraphs 15.1.1.1 through 15.1.1.5, above, County may, with or without terminating the EZIQC Contract and without incurring any additional liability or responsibility to Contractor or Surety (including, without limitation, any obligation to agree to a Contract Adjustment), exercise its rights under the Performance Bond furnished by Contractor by giving Surety ten (10) Days' written notice of demand to perform; provided, however, that if the Surety fails, within seven (7) Days after receipt by Surety of written demand, to deliver to the County written notice of its unconditional intention to perform or does not commence performance of the Work within ten (10) Days from receipt of such notice of demand, the County may, at Contractor's Own Expense and/or the expense of the Surety, and with or without terminating the EZIQC Contract, proceed to complete the Work by any other means County deems expedient. By executing its Performance Bond incorporating the terms of the Construction Contract, Surety shall be deemed to have agreed, without limitation, to the provisions of this Paragraph 15.1.2 as constituting a binding obligation of Surety under its Performance Bond that shall control over any conflicting provisions set forth in the Performance Bond. Neither delivery by Surety of such written notice of unconditional intention to perform nor its timely performance of the Work in accordance with the terms of the Contract Documents and Performance Bond shall constitute waiver by Surety of any rights it may have under the Performance Bond and Applicable Laws to limit its liability to the penal amount of the Performance Bond.

**15.1.3 Contractor Tools, Equipment.** Upon County's exercise of one or more of its remedies following an Event of Contractor Default, County shall have the right, but not the obligation, to perform or complete all or any portion of the Work using any means that County may deem expedient, including, without limitation, taking possession and utilization of any or all of the materials, equipment, appliances, tools, plant and other property not owned by Contractor that are on the Site for County's use in performing the Work.

**15.1.4 Contractor Obligations.** Upon exercise by County of its remedies following an Event of Contractor Default, Contractor shall, unless County directs in writing otherwise, do the following:

- .1 immediately discontinue performance of the Work to the extent specified in writing by County;
- .2 remove no materials, equipment or tools (other than those owned by Contractor and not necessary for performance of a portion of the Work not terminated or discontinued) from the Site unless directed to do so by County and take all actions necessary or appropriate, or that the County may direct in writing, for the protection and preservation of the Work, any materials, equipment or tools at the Site and any materials or equipment in transit to the Site;
- .3 place no further orders or subcontracts for materials, equipment, services or facilities, except as may be necessary for Contractor to continue performance of such portion, if any, of the Work that is not discontinued or terminated by County in its written notice;
- .4 provide to the County, in writing, no later than two (2) Days after request by County, a statement listing or providing: (1) all subcontract agreements, purchase orders and contracts that are outstanding, as well as any change orders, amendments and modifications thereto; (2) the status of invoicing, payments and balance owing under each such subcontract agreement, purchase order and contract; (3) the status of performance and any claims asserted under each such subcontract agreement, purchase order and contract; and (4) providing such other information as the County may determine to be necessary in order to decide whether to accept assignment of any such subcontract agreement, purchase order or contract;
- .5 promptly following and in accordance with County's written direction: (1) assign to the County or its designee those subcontract agreements, purchase orders or contracts, or portions thereof, that the County elects in writing to accept by assignment; (2) cancel, on the most favorable terms reasonably possible, any subcontract agreement, purchase order or contract, or portion thereof, that the County does not elect to accept by assignment; and (3) if requested by County, settle, with the prior written approval of County of the terms of settlement, outstanding liabilities to Subcontractors with respect to the Work terminated or discontinued;
6. not terminate any insurance required by the Contract Documents;
7. thereafter continue only such performance as may be directed by County;
8. deliver to the County the documents required to delivered pursuant to Paragraph 1.3.6, above; and
9. at the written request and option of County, exercised in its sole discretion, deliver to the County, and transfer title to the County of, any completed items, materials, products, equipment or other unincorporated parts of the Work that have not been previously delivered to the Site.

#### **15.1.5 Accounting and Payment**

##### **.1 Full Termination or Discontinuance.**

**(1) Further Payment.** In the event an exercise by County of any of its remedies following an Event of Contractor Default results in a termination or discontinuance of the entire Work, then no further payment shall be due to Contractor for the Work until an accounting has been conducted in accordance with this Paragraph 15.1.5.

**(2) Time for Accounting.** Within forty-five (45) Days after Final Completion of the Work by Contractor, Surety, County or others at request of County, an accounting shall be made pursuant to this Paragraph 15.1.5 of the amount due to Contractor or County.

**(3) Payment Amount.** If, based on the accounting conducted pursuant to this Paragraph 15.1.5, the Contractor Amount exceeds the County Amount, then the difference shall be paid by County to

Contractor within fifteen (15) Days after demand by Contractor following completion of such accounting. If the County Amount exceeds the Contractor Amount, then the difference shall be paid by Contractor to County within fifteen (15) Days after demand by County following completion of such accounting. Payment by Contractor of the amount due to County pursuant to such accounting shall not be construed as a release of Contractor's obligation to County for, or County's right to recover from Contractor, any Losses, of any kind whatsoever, not part of the calculation of the County Amount (including, without limitation, additional Losses related to circumstances that formed the basis for calculation of the County Amount) that may be then or thereafter owing to or recoverable by County under Applicable Laws or the Contract Documents.

**(4) Contractor Amount.** The Contractor Amount used as the basis for payment pursuant to the accounting under this Paragraph 15.1.5 shall be calculated as follows:

**(a)** take a portion of the Contract Price determined by multiplying (i) the Contract Price, by (ii) the County's Good Faith Determination of the percentage of the Work properly performed by Contractor and (A) in permanent place, (B) previously fabricated and delivered to the Site or (C) fabricated and en route for delivery to the Site and delivered to the Site within a reasonable time after Contractor's receipt of such written notice; and

**(b)** subtract therefrom all amounts previously paid by County to Contractor or to Subcontractors.

**(5) County Amount.** The County Amount used as the basis for payment pursuant to the accounting under this Paragraph 15.1.5 shall be calculated based on the sum of all past, present and future Losses to County resulting or reasonably certain to result, directly or indirectly, from any or all of the following: (a) any negligence, willful misconduct, or Defective Work on the part of Contractor or any Subcontractor; (b) any Event of Contractor Default, whether or not constituting the basis of the County's termination or discontinuance; (c) the County's exercise of its rights and remedies under and in accordance with the Contract Documents or Applicable Laws following the occurrence of an Event of Contractor Default; and (d) the payment by County of amounts to Contractor or any Subcontractor that were not owing to Contractor or that were in excess of the amount to which Contractor was entitled under the Contract Documents.

**.2 Partial Termination or Discontinuance.** In the event an exercise by County of its remedies for an Event of Contractor Default results in a discontinuance or termination of only a portion of the Work, then the Contract Price and Contract Time shall be adjusted under the provisions of Article 7 and Article 8, above, applicable to Deleted Work. Contractor shall thereafter continue to be paid for its performance of the other portions of the Work in accordance with the terms of the Contract Documents, less any amounts that County is entitled to withhold under the terms of the Contract Documents.

**.3 Exclusive Compensation.** Contractor agrees to accept such amounts, if any, as allowed under this Paragraph 15.1.5 as its sole and exclusive compensation in the event of an exercise by County of its remedies permitted by the Contract Documents or Applicable Laws following an Event of Contractor Default.

**15.1.6 Surety.** Without limitation to any of the County's other rights or remedies under a Performance Bond furnished by Contractor, Contract Documents or Applicable Laws, the County has the right to suspend, take over or terminate the performance of the Work by Surety in the event of any of the following: (1) failure of Surety or its contractors to begin the Work within a reasonable time in such manner as to ensure full compliance with the Contract Documents within the Contract Time; (2) abandonment of the Work by Surety or its contractors; (3) if at any time the County makes a Good Faith Determination that the Work is unnecessarily or unreasonably delayed by Surety or its contractors; (4) violation by Surety or its contractors of any terms of the Contract Documents, Performance Bond or Applicable Laws; or (5) failure by Surety or its contractors to follow instructions of the County for performance of the Work or for performance of the Work within the Contract Time. By executing its Performance Bond incorporating the terms of the Construction Contract, Surety shall be deemed to have agreed, without limitation, to the provisions of this Paragraph 15.1.6 as constituting a binding obligation of Surety under its Performance Bond that shall control over any conflicting provisions set forth in the Performance Bond.

**15.1.7 Conversion.** In the event a termination for cause by the County is adjudged by a court or by binding arbitration conducted in accordance with the Contract Documents to have been wrongful, such termination



shall be deemed converted to a termination for convenience pursuant to Section 15.3, below, in which case Contractor agrees to accept such amount, if any, as permitted by Paragraph 15.3.3, below, as its sole and exclusive compensation and agrees to waive any right to recovery of any other compensation or Loss, including, but not limited to, loss of anticipated profits, loss of revenue, lost opportunity or other consequential, direct, indirect or incidental damages, of any kind.

**15.1.8 Substantial Performance Waived.** The legal doctrine that a contractor may recover for substantial performance of a building contract is to have no application to the Construction Contract. Any Event of Contractor Default, whether occurring before or after the Work is Substantially Completed, shall be deemed material and shall give rise to the right of County to exercise its remedies permitted under the Contract Documents or Applicable Laws.

**15.1.9 Cross Default.** Contractor agrees that a breach of any other agreement between Contractor and County, whether related or unrelated to the Project, that is not cured in accordance with the terms of such other agreement constitutes an Event of Contractor Default under the EZIQC Contract, thereby entitling County to assert all its rights and remedies hereunder including, but not limited to, a specific right of off set by County against any amounts otherwise payable to Contractor under the EZIQC Contract or any other agreement between Contractor and County.

**15.1.10 Rights Cumulative.** All of County's rights and remedies under the Contract Documents are cumulative, and shall be in addition to and not a limitation upon those rights and remedies available under Applicable Laws.

**15.1.11 Materiality.** Designation in the Contract Documents of certain defaults as "material" shall not be construed as implying that other defaults not so designated are not material nor as limiting County's right to terminate or exercise its other rights or remedies for default to only material defaults.

**15.1.12 County Action.** No termination or action taken by County after termination shall prejudice any rights or remedies of County provided by Applicable Laws or by the Contract Documents, including, without limitation, the right of County to proceed against Contractor to recover all Losses suffered by reason of Contractor's default.

## **15.2 SUSPENSION BY COUNTY FOR CONVENIENCE**

**15.2.1 Suspension Order.** Without limitation to the County's rights under Section 15.1, above, County may, at any time, for its convenience and without the occurrence of any Event of Contractor Default, order Contractor, in writing, to suspend, delay or interrupt performance of the Work, in whole or in part. Upon receipt of such an order, Contractor shall comply with its terms and take all reasonable steps to minimize additional costs that are incurred applicable to the portion of the Work suspended, delayed or interrupted by County.

**15.2.2 Resumption.** If an order issued by the County pursuant to this Section 15.2 is canceled or expires, Contractor shall resume and continue with the previously affected portion of the Work. In such event, Contractor shall be entitled to a Contract Adjustment for additional Allowable Costs necessarily caused by such order and compensation allowed under Section 3.3 of the Construction Contract for Compensable Delay; provided, however, that no such Contract Adjustment shall be made: (1) to the extent that performance either is, was or would have been so suspended, delayed or interrupted by another cause for which Contractor or any of the Subcontractors is responsible or for which Contractor would not be entitled to a Contract Adjustment; (2) to the extent that a Contract Adjustment on account thereof is made or denied under another provision of the Contract Documents; or (3) for any general or specific escalation in prices of the Work.

**15.2.3 Limitation.** The provisions of this Section 15.2 shall not apply unless a written order is issued by County pursuant to this Section 15.2.

## **15.3 TERMINATION BY COUNTY FOR CONVENIENCE**

**15.3.1 Right to Terminate for Convenience.** Without limitation upon any of County's other rights or remedies under the Contract Documents or Applicable Laws, County shall have the option, at its sole discretion

and without the occurrence of any Event of Contractor Default or any other cause, to terminate the Construction Contract or Work, in whole or in part, for its convenience by giving five (5) Days written notice to Contractor.

**15.3.2 Contractor Obligations.** Upon receipt of notice of termination for convenience pursuant to this Section 15.3, Contractor shall, unless such notice directs otherwise, comply with all of the provisions of Paragraph 15.1.4, above.

**15.3.3 Contractor Compensation.** Following a termination for convenience pursuant to this Section 15.3 and within sixty (60) Days after receipt of a complete and timely Application for Payment from Contractor, an accounting shall be conducted in accordance with the process set forth in Paragraph 15.1.5, above. In such event, the amount due to Contractor shall be the Contractor Amount as calculated in the same manner provided for in Paragraph 15.1.5, above, except that there shall be added to the calculation of the Contractor Amount an amount for: (1) the reasonable, actual and direct Allowable Costs incurred and paid by Contractor (and not by Subcontractors) for (a) demobilizing Contractor's facilities from the Site, and (b) Contractor's administering the close out of its participation in the Project for a period of no longer than fifteen (15) Days; plus (2) a markup to Contractor on the Contractor's Allowable Costs incurred under Clause (1) of this Paragraph 15.3.4 that is based on the percentage for Allowable Markup that Contractor is permitted to charge pursuant to Article 7, above, for Compensable Changes involving Extra Work that is Self-Performed Work.

**15.3.4 Exclusive Compensation.** Contractor agrees to accept the compensation allowed under Paragraph 15.3.3, above, as its sole and exclusive compensation in the event of a termination by County for convenience and waives any claim for Loss related to County's termination for convenience, including, but not limited to, loss of anticipated profits, loss of revenue, lost opportunity, or other consequential, direct, indirect, or incidental damages, of any kind.

**15.3.5 Subcontractors.** Contractor shall include provisions in all of its subcontracts, purchase orders and other contracts with the Subcontractors permitting termination for convenience by Contractor on terms that are consistent with, and that afford no greater rights of recovery against Contractor for termination than are afforded to Contractor under, this Section 15.3.

## 15.4 TERMINATION BY CONTRACTOR

**15.4.1 Contractor's Remedies.** Subject to the provisions of Paragraph 15.4.2, below and Paragraph 15.4.3, below, Contractor's sole right to terminate the Construction Contract shall be its right to terminate, for cause only, upon the occurrence of either of the following:

.1 the entire Work is stopped for one hundred sixty (160) consecutive Days, through no act or fault of Contractor or any of the Subcontractors, of any Tier, or any employee or agent of any of them, due to issuance of an order of a court or other Governmental Authority or due to a declaration of a national emergency making material unavailable; or

.2 the entire Work is suspended by Contractor, in accordance with a proper exercise by Contractor of its rights under Section 9.8, above, for a continuous period of thirty (30) Days.

**15.4.2 Notice of Intention to Terminate.** If one of the reasons to terminate as described in Paragraph 15.4.1, above, exists, Contractor may, upon thirty (30) Days written notice to County, terminate the Construction Contract and recover from County as its sole and exclusive compensation such sums as are permitted under Paragraph 15.3.3, above.

**15.4.3 Continuous Performance.** Provided that Contractor is paid undisputed sums due in accordance with the requirements of the Construction Contract, Contractor shall not stop, delay or interrupt continuous performance of the Work by reason of any dispute or disagreement with County, including, without limitation, any disputes or disagreements over payments of money claimed due under the Contract Documents.

## 15.5 WARRANTIES

All obligations of Contractor and the Subcontractors under the Contract Documents with respect to warranties and guarantees of the Work will continue in force and shall apply, notwithstanding a termination or other discontinuance of the Work by County or Contractor pursuant to an exercise of rights by either under this Article 15, to any portion of the Work that at the time of such termination or discontinuance has been completed or partially completed by Contractor to the point that it is substantially ready (exclusive of any incidental work that may be needed to connect such portion to other Work to other Work or Existing Improvements or to energize such portion of the Work for operation) for use or occupancy by County.

## ARTICLE 16 NON-DISCRIMINATION

### 16.1 NON-DISCRIMINATION IN SERVICES

**16.1.1** Contractor must, in accordance with Applicable Laws, not discriminate in the provision of services hereunder because of race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability. For the purpose of this Section 16.1, discrimination in the provision of services may include, but is not limited to the following:

- .1 denying any person any service or benefit or the availability of a facility;
- .2 providing any service or benefit to any person which is not equivalent to, or is in a non-equivalent manner or at a non-equivalent time from, that provided to others;
- .3 subjecting any person to segregation or separate treatment in any manner related to the receipt of any service;
- .4 restricting any person in any way in the enjoyment of any advantage or privilege enjoyed by others receiving any service or benefit; or
- .5 treating any person differently from others in determining admission, enrollment, eligibility, membership, or any other requirement or condition which persons must meet in order to be provided any service or benefit.

**16.1.2** Contractor shall ensure that services are provided without regard to race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability.

**16.1.3** Contractor shall establish and maintain written procedures under which any person applying for, performing or receiving services hereunder, may seek resolution from Contractor of a complaint with respect to any alleged discrimination. Such persons shall be advised by Contractor of these procedures. A copy of such procedures shall be posted by Contractor in a conspicuous place, available and open to the public, in each of Contractor's facilities where services are provided hereunder.

### 16.2 NON-DISCRIMINATION IN EMPLOYMENT

Contractor must, in accordance with Applicable Laws, not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability. Without limitation to any other provisions of this Section 16.2, in the performance of the obligations under the Contract Documents, Contractor and the Subcontractors shall comply with all applicable provisions of the California Fair Employment Practices Act (California Government Code §§12940-48) and the applicable equal employment provisions of the Civil Rights Act of 1964 (42 U.S.C. §§200e - 217), whichever is more restrictive. Contractor and the Subcontractors shall ensure that qualified applicants are employed and that employees are treated during employment without regard to race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability, in accordance with requirements of Applicable Laws. Such shall include, but not be limited to, the following:

.1 employment, promotion, demotion, transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation; or

.2 selection for training, including apprenticeship.

**16.2.1** Contractor agrees to post in conspicuous places in each of Contractor's facilities providing services hereunder, available and open to employees and applicants for employment, notices setting forth the provisions of this Section 16.2.

**16.2.2** Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability, in accordance with requirements of Applicable Laws.

**16.2.3** Contractor shall send to each labor union, or workers' representative with which it has a collective bargaining agreement or other contract or understanding, a notice advising the labor union or the workers' representative of Contractor's commitments under this Section 16.2.

**16.2.4** Contractor certifies and agrees that it will deal with the Subcontractors, bidders and vendors without regard to race, color, religion, national origin, ancestry, sex, age, sexual orientation, marital status, AIDS or disability, in accordance with the requirements of Applicable Laws.

**16.2.5** In accordance with Applicable Laws, Contractor shall allow duly authorized representatives of the County, State, and Federal government access to its employment records during regular business hours in order to verify compliance with the provisions of this Section 16.2. Contractor shall provide such other information and records as such representatives may require in order to verify compliance with the provisions of this Section 16.2.

**16.2.6** If County finds that any of the provisions of this Section 16.2 have been violated by Contractor or any of the Subcontractors, such violation shall constitute a material breach of the Construction Contract for which County may cancel, terminate or suspend the Construction Contract. While County reserves the right to determine independently that the anti-discrimination provisions of the Construction Contract have been violated, a determination by the California Fair Employment and Housing Commission or the Federal Equal Employment Opportunity Commission that Contractor or the Subcontractor has violated State or Federal anti-discrimination laws shall constitute a finding by County that Contractor or the Subcontractor has violated the provisions of this Section 16.2.

**16.2.7** Contractor hereby agrees that it will comply with §504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794) and similar Applicable Laws relating to employment of or access to persons with disabilities, all requirements imposed by applicable Federal Regulations, and all guidelines and interpretations issued pursuant thereto, to the end that no qualified disabled person shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity of Contractor receiving Federal Financial Assistance.

**END OF GENERAL CONDITIONS**

**SECTION 01420**

**TESTING AND INSPECTION SERVICES**

**PART 1 – GENERAL**

1.01 SECTION INCLUDES

- A. Testing and inspection services to meet requirements of the California Building Code (CBC), Title 24, Parts 1 and 2, as indicated on the Drawings.
- B. One or more certified inspectors employed by the OWNER in accordance with the requirements of California Building Standards Administrative Code will be assigned to the Work with their duties as specifically defined in Section 4-333(b).
- C. Tests of materials are required by a certified testing agency as set forth in Section 4-335 of the California Building Standards Administrative Code.

1.02 RELATED SECTIONS

- A. Division 01

**PART 2 – PRODUCTS (Not applicable)**

**PART 3 – EXECUTION**

3.01 TESTS

- A. OWNER will select an independent testing agency to conduct tests, sampling, and testing of materials. Selection of material to be tested shall be by the agency and not by CONTRACTOR.
- B. Any material shipped from the source of supply prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice from IOR such testing and inspection is not required shall not be incorporated into the Work.
- C. OWNER will select and directly reimburse testing agency the costs for all required tests and inspections, but may be reimbursed by CONTRACTOR for such costs as noted in related sections of the Contract Documents.
- D. The independent testing agency is not authorized to release, revoke, alter, or enlarge requirements of the Contract Documents or approve or accept any portion of the Work. The agency shall not perform any duties of CONTRACTOR.
- E. CONTRACTOR shall provide an insulated curing box with the capacity for twenty (20) concrete cylinders and will relocate said box and cylinders as rapidly as required in order to provide for progress of the Work.

3.02 TEST REPORTS

- A. Test reports shall include all tests performed, regardless of whether such tests indicate the material is satisfactory or unsatisfactory. Samples taken but not tested shall also be reported. Records of special sampling operations as required shall also be reported. Reports shall indicate the material or materials were sampled and tested in accordance with requirements of CBC, Title 24, Parts 1 and 2, as indicated on the Drawings. Test reports shall indicate specified design strength. They shall also definitely state whether or not material or materials tested comply with the specified requirements.

3.03 VERIFICATION OF TEST REPORTS

- A. Each testing agency shall submit to the count of Riverside a verified report in duplicate covering tests which are required to be performed by that agency during progress of the Work. Such report shall be furnished each time construction on the Work is suspended, covering tests up to that time, and prior to Final Completion of the Work, covering all tests.

3.04 INSPECTION BY OWNER

- A. OWNER and its representatives shall at all times have access, for purpose of inspection, to all parts of the Work and to shops wherein the Work is in preparation, and CONTRACTOR shall at all times maintain proper facilities and provide safe access for such inspection.
- B. OWNER shall have the right to reject materials and/or workmanship deemed defective Work, and to require correction. Defective workmanship shall be corrected in a satisfactory manner and defective materials shall be removed from the premises and legally disposed of, all without charge to OWNER. If CONTRACTOR does not correct such defective Work within a reasonable time, fixed by written notice and in accordance with the terms and conditions of the Contract Documents, OWNER may correct such defective Work and proceed in accordance with related Articles of the Contract Documents.
- C. CONTRACTOR is responsible for compliance to all applicable local, state, and federal regulations regarding codes, regulations, ordinances, restrictions, and requirements.

3.05 INSPECTOR OF RECORD

- A. Inspector of Record is employed by OWNER in accordance with requirements of Title 24 of the California Code of Regulations with their duties specifically defined therein.
- B. Inspection of Work shall not relieve CONTRACTOR from any obligation to fulfill all of the terms and conditions of the Contract Documents.
- C. CONTRACTOR shall be responsible for scheduling times of inspection, tests, sample taking, and similar activities of the Work.

3.06 TESTS AND INSPECTIONS

- A. Test and Inspection shall be per CBC 2010, Section 17.

\*\*\*END OF SECTION\*\*\*

## SECTION 02151

### SHORING OF EXISTING STRUCTURE

#### PART 1 -- GENERAL

##### 1.01 SUMMARY

###### A. Section Includes

1. Design and construction of shoring of existing structure.
2. Shoring shall be furnished, placed, maintained and when applicable removed by the Contractor, as need to protect workers, materials, other properties and the public.

###### B. Related Work Specified Elsewhere

1. Documents affecting work of this Section include, but are not necessarily limited to the General Conditions, Supplementary Condition, Division 1 – General Requirements and other Sections of the Project Manual/Specifications.
2. The contractor is solely responsible for means and methods of construction and for the sequences and procedures to be used.
3. Excavation and backing as applicable, but not limited to the following:
  - a. Section 03300 – Cast-in-Place Concrete.

##### 1.02 DEFINITIONS

- A. Shoring: Props or posts of timber or other material in compression or bending, used for temporary support of structures.

##### 1.03 SUBMITTALS

- A. Comply with pertinent provisions of Division 1.

- B. Shoring Program: Prepare and submit a written schedule and procedure, along with detailed drawings, of the proposed shoring work to the Engineer for review.

- C. Shop Drawings: Submit Shop Drawings, indicating method, staging and necessary details for construction of shoring and support for existing structure on which work is to be performed. Show details of shop assemblies when required for restoration of existing structures. Shop Drawings and calculations shall be prepared, sealed and signed by a Professional Civil or Structural Engineer currently registered in the State of California.

- D. Calculations: Submit design analyses and calculations to support Shop Drawings. Calculations shall be prepared, sealed and signed by a Professional Civil or Structural Engineer currently registered in the State of California.

- E. Restoration: Submit procedures, methods and materials lists for restoration of existing structures and facilities.

##### 1.04 REGULATORY REQUIREMENTS

- A. Regulatory requirements that govern the work of this Section include the following governing codes:

1. California Code of Regulations, Title 8, Chapter 4, Subchapter 4 – Construction Safety Orders.
2. California Code of Regulations, Title 24, Part 2, California Building Code.

## **PART 2 – PRODUCTS**

### **2.01 MATERIALS**

- A. Requirements: The Contractor shall furnish all materials, tools, equipment, facilities, and services as required for providing the necessary shoring work and facilities. Jacks and jacking equipment shall be more than adequate for the imposed loads and shall be provided with calibrated gages.
- B. Shoring and Bracing Materials: Provide steel posts, beams, timber planks, boards, pipe struts and accessories as required.
- C. Grout: Refer to Section 05120 – Structural Steel for requirements.
- D. Structural Steel: Refer to Section 05120 – Structural Steel for requirements.

## **PART 3 – EXECUTION**

### **3.01 SHORING**

- A. Install shoring where necessary to support:
  - 1. Structures that will be affected by retrofit and restoration work.
  - 2. Unsafe Structures.
  - 3. See Structural Drawings sheets S201, 301 & 320 for location of shoring required areas and minimum shoring loads.

### **3.02 RESTORATION**

- A. Restore existing structures to conditions equivalent to those existing prior to the start of shoring work, including repair of any damage.

**\*\*\*END OF SECTION\*\*\***



**SECTION 03100**  
**CONCRETE FORMING**

**PART 1 -- GENERAL**

1.01 **SUMMARY:**

A. Section Includes:

1. Design and construction of formwork for concrete.
2. Setting in forms, all anchor bolts, metal inserts, sleeves, etc., embedded in concrete.
3. Miscellaneous concrete work, including but not limited to areaways, cast-in-place valve boxes, pits, splash blocks, equipment bases, and other items as shown or required to complete all Work.

B. Related Work Specified Elsewhere:

1. Furnishing and placing reinforcing for cast-in-place concrete.
2. Furnishing, placing, finishing, and curing of cast-in-place concrete.
3. Placing of embedded anchor bolts and inserts.
4. Screeds for slabs.
5. Screeds for insulating concrete.
6. Screeds for composite insulating concrete.
7. Metal decking.

1.02 **SUBMITTALS:**

- A. Provide in accordance with Article 3.11 of the General Conditions.
- B. Shop Drawings: Submit shop drawings showing form pattern layouts of all exposed exterior and interior concrete dimensioned to precisely locate grooves, form panel jointing, and similar features. Review and approval will not include form strength and adequacy.
- C. Record Document: Keep an accurate record of the dates of removal of forms, form shores and reshores, and furnish copies to the Construction Manager and the Architect.

1.03 **QUALITY ASSURANCE:**

- A. Comply with pertinent provisions of Division 01.
- B. Construct forms according to Chapter 1906 of the 2010 CBC & ACI 347, "Recommended Practice for Concrete Formwork", and according to ACI 347 "Recommended Practice for Concrete Formwork", and conforming to tolerances specified in ACI 301, "Specifications for Structural Concrete for Buildings", as applicable, unless exceeded by requirements of riverside county or otherwise indicated or specified.
- C. Prior to construction of formwork for concrete beams and slabs above grade, Contractor shall conduct a meeting at the site to determine and define all camber, which may be required for the project. The Architect, Structural Engineer of record, Contractor and Contractor's formwork installer shall be in attendance at this meeting.

1.04 **DELIVERY, STORAGE, AND HANDLING:**

- A. Comply with pertinent provisions of Section 01600.
- B. Deliver materials for forms in timely manner to ensure uninterrupted progress.

- C. Store by methods that prevent damage and permit ready access for inspection and identification.

## **PART 2 -- PRODUCTS**

### **2.01 MATERIALS:**

- A. Form lumber: WCLIB "Construction" grade or better, WWPA No. 1 or better, or equal.
- B. Form plywood: PS 1-07, Group I, Exterior Grade B-B Plyform or better, minimum 5-ply and 3/4" thick for exposed locations and not less than 5/8" thick for unexposed locations, grade marked, not mill oiled, Plywood having medium or high density overlay is acceptable.
- C. Coated form plywood: For exposed painted concrete, plastic overlaid plywood of grade specified above, factory coated with a form coating and release agent equal to "Noxcrete".
- D. Tube forms: Burke "SmoothTube", Sonoco "Seamless Sonotubes", Alton Building Products "Sleek Seamless Standard Wall", or equal, type leaving no marks in concrete, 1-piece lengths for full required heights.
- E. Joist forms: Approved steel or molded plastic types as required.
- F. Special forms: For exposed integrally-colored concrete, plywood as above with high density overlay, plywood with integral structural hardboard facing or fibrous glass reinforced plastic facing, or approved equal producing specified finish.
- G. For Exposed Concrete Finish:
  - 1. Plywood: New, waterproof, synthetic resin bonded, exterior type Douglas fir or Southern pine plywood manufactured especially for concrete formwork and conforming to NIST PS 1, BB grade, class I.
  - 2. Glass-Fiber-Fabric Reinforced Plastic Forms: Matched, tight fitting, stiffened to support weight of concrete without deflection detrimental to structural tolerances and appearance of finished concrete surfaces.
  - 3. Steel: Minimum 16 gage sheet, well matched, tight fitting, stiffened to support weight of concrete, without deflection detrimental to tolerances and appearances of finished concrete surfaces.
  - 4. Plywood: "Finland Form," or "Combi Form" distributed by North American Plywood Corporation. The material shall be furnished with hard smooth birch face veneers with phenolic resin thermally fused onto panel sides. Edges shall be factory sealed.
- H. Form ties: Prefabricated rod, flat band, wire, internally threaded disconnecting type, or equal, not leaving metal within 1-1/2" of concrete surface.
- I. Form coating: Non-staining clear coating free from oil, silicone, wax, not grain-raising, "Formshield" by A.C. Horn, Inc., "Release" by Burke Concrete Accessories, or "Cast-Off" by Sonneborn Building Products. Where form liners are used, provide form coatings recommended by form liner manufacturer.
- J. Form liner: Rigid or resilient type by L.M. Scofield, Labrado Forms, Symons, Greenstreak, or equal, types shown or directed, matching approved Sample.
- K. Void Forms: Manufactured by SureVoid Products, Inc, or equal. Forms shall be "WallVoid" for temporary support of concrete walls and grade beams spanning between supports, and "SlabVoid" for creating gaps between concrete slabs or steps and underlying soils. Void forms shall be fabricated of corrugated paper with moisture resistant exterior, and shall be capable of withstanding working load of 1,500 psf. Provide accessories as required.

## **PART 3 -- EXECUTION**

3.01 WORKMANSHIP:

- A. Rigidly construct forms to prevent mortar leakage, sagging, displacement or bulging between studs. Use clean, sound, approved form material, and coated with specified materials only, not oil. Provide backing on all plywood joints.
- B. Sides of all footings and grade beams shall be formed, unless permission is obtained to place concrete directly against earth. Where this permission is granted, the footing or grade beam dimension shall be increased 3". Remove formwork prior to backfilling operations.

3.02 FORM ERECTION AND REMOVAL:

- A. Conform to ACI 301 and ACI 347 except as exceeded by the requirements of Code, regulatory agencies, or herein.
- B. Construction: Coat forms with the specified resin coating, not form oil. Construct forms to exact shapes, sizes, lines, and dimensions required to obtain level, plumb, and straight surfaces. Provide openings, offsets, keys, reglets, anchorages, recesses, moldings, chamfers, blocking, screeds, drips, bulkheads, and all other required features. Make forms easily removable without hammering or prying against concrete. Space forms apart with metal spreaders. Construct forms to accurate alignment, location and grades, and provide against sagging, leakage of concrete mortar, or displacement occurring during and after placing of concrete. Coordinate installation of inserts and anchors in forms according to Shop Drawings and requirements for work of other sections.
- C. Camber: Place suitable jacks, wedges, or similar means to induce camber and to correct settlement in forms before and during concrete placing. Camber shall be as determined in pre-installation meeting specified above. In general, formwork shall be capable of accommodating camber of 1/8" per 10' of span plus 1/4". Provide Camber as noted on the Structural Drawings (if required).
- D. Corners and Angles: Provide 3/4" by 3/4" beveled chamfer strips for all exposed concrete corners and angles unless otherwise indicated. Form concealed concrete corners and angles square unless otherwise indicated.
- E. Reglets and Rebates: Form required reglets and rebates to receive frames, flashing, and other equipment. Obtain required dimensions, details, and precise positions for work to be installed under other sections and form concrete accordingly.
- F. Form Joints: Fill joints to produce smooth surfaces, intersections, and arises. Use polymer foam or equivalent fillers at joints and where forms abut or overlap existing concrete to prevent leakage of mortar.
- G. Recesses, Drips, and Profiles: Provide smooth milled wood or pre-formed rubber or plastic shapes of types shown and required.
- H. Cleanouts and Cleaning: Provide temporary openings in all wall forms and other vertical forms for cleaning and inspection. Clean forms and surfaces to receive concrete prior to placing.
- I. Re-Use: Clean and recondition form material before re-use.
- J. Form Removal: Do not remove concrete forms until concrete attains sufficient strength to support its own weight and all superimposed loads as determine by testing field cured concrete cylinders, but not sooner than specified in ACI 347, paragraph 3.6.2.3, or Title 24, Section 1906.2. Load supporting forms may be removed when concrete has attained 75 percent of required 28 day compressive strength, but no sooner than 3 days provided construction is reshored. Vertical formwork for cast-in-place concrete walls may be removed no sooner than 1 day following concrete placement, provided that contractor can demonstrate that no sloughing or sagging of concrete will occur.
  - 1. Reshore structural members as specified per ACI 347-04.
  - 2. Remove formwork progressively so unbalanced loads are not imposed on the structure.

3. Avoid damage concrete surfaces during form removal.
4. Store reusable forms for exposed architectural concrete to prevent damage to contact surfaces.
5. Remove formwork in same sequence as concrete placement to achieve similar concrete surface coloration.

K. Reshoring:

1. Minimum reshoring shall be as per the requirements of ACI 347-04.
2. Record: Maintain a form and shoring removal record.
3. Contractor shall submit shoring/reshoring plans and calculations for review and approval. Calculations and plans shall be stamped and signed by a licensed civil or structural engineer. Reshoring loads to the lower floors shall be consistent with the design loads specified on the construction documents and with the acquired strength of the lower floors based on the time they have been allowed to cure before being loaded.

- L. Shoring for Tributary Loads: Set temporary shoring for structural steel beams supporting cast-in-place concrete slabs. Such shoring is not required where beams are partially or totally encased with concrete nor for steel beams supporting concrete or masonry walls resting on the beams.

3.03 FORMWORK TOLERANCES:

- A. Deflection: Limit deflection of forming surfaces from concrete pressure to  $L/240$ .
- B. Finish Lines: Position formwork to maintain hardened concrete finish lines within following permissible deviations.
1. Variation from Plumb:
    - In 10'-0" 1/4 inch
    - In any story or 20'-0" 3/8 inch
    - In 40'-0" or more 3/4 inch
  2. Variation from Level or Grades Indicated
    - In 10'-0" 1/4 inch
    - In any bay or 20'-0" maximum 3/8 inch
    - In 40'-0" or more 3/4 inch
  3. Cross-Sectional Dimensions
    - Minus 1/4 inch
    - Plus 1/2 inch
- C. Building Lines: Variation of linear building lines from established position in plan and related position of columns, walls and partitions:
1. In any bay or 10'-0" maximum 1/2 inch
  2. In 40'-0" or more 1 inch
- D. Slab Openings: Variations in size and location of sleeves and slab openings shall not exceed 1/4 inch.

3.04 SURVEY AND ADJUSTMENT:

- A. Check forms before and during placement of concrete, using an instrument, and make corrections as work proceeds.

3.05 EMBEDDED PIPING AND ROUGH HARDWARE:

- A. Comply with Title 24, Section 1906.3. Where work of other sections require openings for passage of pipes, conduits, ducts, and other inserts in the concrete, obtain all dimensions and other information. All necessary pipe sleeves, anchors, or other required inserts shall be accurately installed as part of the work of other sections, according to following requirements.
- B. Conduits or Pipes: Locate so as not to reduce strength of concrete. In no case place pipes, other than conduits, in a slab 4-1/2" thick or less. Conduit buried in a concrete slab shall not have an outside diameter greater than 1/3 the slab thickness nor be placed below the bottom reinforcing steel or over top reinforcing steel.
- C. Conduits and pipes of aluminum shall not be embedded in structural concrete unless coated or covered to prevent aluminum-concrete reaction or electrolytic action between aluminum and reinforcing steel.
- D. Sleeves: Pipe sleeves may pass through slabs or walls if not exposed to rusting or other deterioration and are of uncoated or galvanized iron or steel. Provide sleeves of diameter large enough to pass any hub or coupling on pipe, including any insulation.
- E. Conduits: Conduits may be embedded in walls only if the outside diameter does not exceed 1/3 the wall thickness, are spaced no closer than 3 diameters on centers, and do not impair the strength of the structure
- F. Clusters of Conduits:
  - 1. Clusters of conduits embedded in a concrete slab shall not exceed 6 conduits per cluster and each conduit per cluster shall be individually spaced as per the above requirements. Conduit clusters exceeding this requirement shall be reviewed and approved by the structural engineer of record and county of Riverside prior to the installation of the conduits.
  - 2. If more than one conduit cluster is required in a specific area of the slab, routing and spacing of the clusters shall be reviewed and approved by the structural engineer of record and DSA prior to the installation of the conduits.
  - 3. At no time shall the quantity and routing of clusters of conduits impair the strength of the concrete construction.

3.06 FIELD QUALITY CONTROL

- A. Inspection: Obtain inspection and approval of forms before placing structural concrete.

\*\*\*END OF SECTION\*\*\*

**SECTION 03250**

**EPOXY- SET DOWELS & EXPANSION ANCHORS**

**PART 1 – GENERAL**

**1.01 SUMMARY**

**A. Section Includes**

1. Epoxy set rebar dowels or threaded rods in existing concrete.
2. Drill-set thread expansion anchors in concrete.
3. Provisions of Division 1 apply to this section.

**B. Related Work Specified Elsewhere**

1. Reinforcing Steel – Section 03200

**1.02 GENERAL REQUIREMENTS**

**A. The scope of work under this section is defined in the construction documents.**

**B. Field conditions: Verify drawing dimensions with actual field conditions. Inspect related work and adjacent surfaces and report to the Architect (Structural Engineer) all conditions which prevents proper execution of this work.**

**1.03 QUALITY ASSURANCE**

**A. Standards: Latest official date of adoption or revision.**

**1. American Society of Testing and Materials (ASTM)**

- a. ASTM A36 Carbon Steel externally threaded fasteners
- b. ASTM A193 Grade B7 High strength carbon steel externally threaded fasteners
- c. ASTM A307 Carbon steel externally threaded fasteners
- d. ASTM A615 Grade 60 Deformed and plain billet-steel bars for concrete reinforcing

**B. Proof Testing Epoxy Set Anchors or Dowels: To be done throughout work as anchors are set and shall be representative of all anchors placed.**

1. Test, after curing, one (1) out of every one (1) anchors of each type or size placed. Test loads Drawings. There shall be no loosening or movement out of the hole and no cracking or spalling of the concrete in which the anchors are set. If failure occurs, evaluate and correct placing procedures. Report any failures to the Architect (Structural Engineer) for evaluation of applicator's material, methods and workmanship.
2. Testing to be done by Testing Laboratory using calibrated hydraulic hole jacks or dual jacks operating against a suitable pulling fixture or calibrated torque wrenches. Jacks and fixture shall be placed with respect to the hole so that they do not apply restraint to or confine the concrete adjacent to the hole. Test equipment, method and layout are subject to acceptance by Architect (Structural Engineer).

- C. Proof Testing of Drill-set Expansion Anchors: Shall be performed as indicated on drawings, on similar basis to that specified above for epoxy-set anchors.

1.04 SUBMITTALS

- A. Provide in accordance with Article 3.11 of the General Conditions.
- B. Manufacturer's printed data and specification sheets, including current copies of ICC ES Evaluation Reports covering the item or system used.
  - 1. Epoxy setting dowel or anchor system.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Comply with pertinent provisions of Section 01600.
- B. Deliver manufactured materials in original unopened packages, containers or bundles with manufacturers' label intact and legible.
- C. Store all materials off the ground, under cover and away from damp surfaces.

**PART 2 -- PRODUCTS**

2.01 EPOXY RESIN SYSTEM

- A. 100% solid, two-part thixotropic epoxy compound specifically formulated for grouting dowels, applied with pneumatic or manual proportioning, mixing and injection tools.
- B. Reference Product:
  - 1. Hilti HIT-HY200 Epoxy Adhesive (ICC – ESR 3187)

2.02 DOWELS AND THREADED RODS

- A. Dowels: Reinforcing bars conforming to ASTM A615 Grade 60 and of an adequate length as indicated by drawings.
- B. Threaded Rods: All-thread carbon steel rods conforming to ASTM A36 or ASTM A197 Grade B7, with rolled or cut threads and of an adequate length as indicated by the drawings. Before using, remove all oil, paint, loose mill scale, rust or any other coating that could reduce adhesive bond.
- C. Drilled-Set Expansion Anchors: Manufactured expansion anchors for the wedge anchor type, unless other types are designated on the drawings. Qualified and acceptable systems are those manufactured by:
  - 1. Hilti Kwik Bolt TZ Expansion Anchors (ICC ES ESR-1917)

2.03 Equipment

- A. Drilling Equipment: For epoxy-set dowels and anchors, use percussion drilling equipment with hollow rock bits to produce coarse cuttings and blow out drilling cuttings. Core or rotary drills producing smooth hole sides shall be not used unless holes are cleaned as specified below before placing epoxy. For expansion anchors, use drilling equipment recommended by the Manufacturer.
- B. Epoxy Placing Equipment: Hand or compressed air placing guns with mixing spouts of sufficient length to enable placing epoxy material at full depth of holes, as specified.

2.04 FABRICATION

- A. Use only clean deformed bars or rods as shown. Cut or grind bottom end to a single bevel for small bars (#6 or smaller), larger bars to a double bevel chisel edge, to facilitate insertion.

**PART 3 – EXECUTION**

3.01 INSTALLATION

- A. Drilling: To depth and diameter indicated in drawings, with clean, rough hole sides and no oil or embedded dust. Blow out residual duct and chips. If hole sides are contaminated or too smooth, scrub with bottle brush and water. Remove liquid residue with a syringe and allow hole to thoroughly dry.
- B. Mixign of Epoxy: Conform to manufacturer's written directions. Mix only enough for ½ hour of use, for any bulk applications. Use manufacturer's placing gun for accurate proportioning and mixing. Discard any batch that begins to heat. Use of fillers in epoxy batches will not be allowed.
- C. Placment of Epoxy: Cover horizontal and overhead holes with duct tape and cut slit at hole for inserting gun nozzle. Place epoxy to full depth of hole and fill at least 80% full. There should be enough epoxy in the hole so that when the dowel is full inserted some epoxy will extrude from the hole. If necessary, pull the dowel and place more epoxy in the hole.
- D. Installing Dowel: Insert end of dowel slowly to the end of the hole, turning the dowel to assure complete coating. Center dowel in the hole and protect or brace until epoxy has gelled.

3.02 DRILL-SET EXPANSION ANCHORS

- A. Conform to manufacturer's directions for drilling and setting of anchors. Tighten nuts enough to assure that ends of anchors are fully expanded and effectively anchored.

**\*\*\*END OF SECTION\*\*\***



**SECTION 03345**  
**CONCRETE FINISHING**

**PART 1 -- GENERAL**

1.01 **SUMMARY**

Division 0, Contract requirements and Division 1, General Conditions apply to this section.

1.02 **DESCRIPTION**

Work included: Provide finishes on cast-in-place concrete as called for on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.03 **QUALITY ASSURANCE**

A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

B. Except as may be modified herein or otherwise directed by the Architect, comply with ACI 301, "Specifications for Structural Concrete for Buildings".

1.04 **SUBSTITUTIONS**

Substitutions will be considered per Article 3.4.5.4 of the Supplemental General Condition of the Standard Form EZIQC.

1.05 **SUBMITTALS**

A. In accordance with Article 3.11 of the General Conditions.

Product data: Within 35 calendar days after the Contractor has received the Owner's Notice to Proceed, submit:

1. Materials list of items proposed to be provided under this Section;
2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements;
3. Manufacturer's recommended installation procedures which, when accepted by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the Work.

1.06 **PRODUCT HANDLING**

Comply with pertinent provisions of Division 1.

**PART 2 -- PRODUCTS**

2.01 **MATERIALS**

A. General:

1. Carefully study the Drawings and these Specifications, and determine the location, extent, and type of required concrete finishes.
2. As required for the Work, provide the following materials, or equals accepted in advance by the Architect.

B. Liquid bonding agent: "Weld-Crete," manufactured by the Larsen Products Corporation.

C. Curing and protection paper:

1. Comply with ASTM C171, Type 1, regular.
2. Accepted products:
  - a. "Sisalkraft, Seekure 896";
  - b. Equal non-staining products faced with polyethylene film.
- D. Slip-resistant abrasive aggregate:
  1. Provide aluminum oxide grains, uniformly graded, screen size 12-13, 14-36 or 16-30.
  2. Acceptable product:
    - a. Emerchrome Floor Hardener by L.M. Scofield Company.
    - b. Frictex H by Sonneborn.
    - c. or approved equal.

## 2.02 OTHER MATERIALS

Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the acceptance of the Architect.

## **PART 3 -- EXECUTION**

### 3.01 EXAMINATION

- A. Examine the areas and conditions under which work of this Section will be performed.
- B. Correct conditions detrimental to timely and proper completion of the Work.
- C. Do not proceed until unsatisfactory conditions are corrected.
- D. Beginning of installation means acceptance of conditions.

### 3.02 FINISHING OF FORMED SURFACES

- A. General:
  1. After removal of forms, give exposed concrete surfaces the finish specified below.
  2. Revise the finish as needed to secure the acceptance of the Architect.
- B. Rubbed finish:
  1. Do not start cleaning operations until all contiguous surfaces to be cleaned are completed and accessible.
  2. Do not permit cleaning as the work progresses.
  3. Mix one part portland cement and 1-1/2 parts fine sand with sufficient water to produce a grout having the consistency of thick paint.
  4. Substitute white portland cement for part of the gray portland cement as required to produce a color matching the color of surrounding concrete, as determined by a trial patch.
  5. Wet the surface of the concrete sufficiently to prevent absorption of water from the grout, and apply the grout uniformly with brushes or spray gun.
  6. Immediately after applying the grout, scrub the surface vigorously with a cork float or stone to coat the surface and fill all air bubbles and holes.
  7. While the grout is still plastic, remove all excess grout by working the surfaces with a rubber float, sack, or other means.

8. After the surface whites from drying (above 30 minutes at normal temperatures), rub vigorously with clean burlap.
9. Keep the surface damp for at least 36 hours after final rubbing.

### 3.03 FINISHING SLABS

#### A. Definition of finishing tolerances:

1. "Class A": True plane within 1/8" in ten feet as determined by a ten foot straightedge placed anywhere on the slab in any direction.
2. "Class B": True plane within 1/4" in ten feet as determined by a ten foot straightedge placed anywhere on the slab in any direction.

#### B. Scratched finish: For surfaces scheduled to receive bond-applied cementitious applications.

3. After the concrete has been placed, consolidated, struck off, and leveled to a Class B tolerance, roughen the surface with stiff brushes or rakes before the final set.

#### C. Floated finish: For surfaces intended to receive roofing.

4. After the concrete has been placed, consolidated, struck off, and leveled, do not work the concrete further until ready for floating.
5. Begin floating when the water sheen has disappeared and when the surface has stiffened sufficiently to permit the operation.
6. During or after the first floating, check the planeness of the surface with a ten foot straightedge applied at not less than two different angles.
7. Cut down high spots and fill low spots, and produce a surface with a Class B tolerance throughout.
8. Refloat the slab immediately to a uniform sandy texture.

#### D. Troweled finish:

1. Provide a floated finish as described above, followed by a power troweling and then a hand troweling which is relatively free from defects, but which still may show some trowel marks.
  - a. Monolithic Trowel Finish: For all floor surfaces not otherwise specified. Steel trowel and retrowel to smooth surface. After concrete has set enough to ring true, retrowel to a burnished impervious finish, free of trowel marks or other blemishes.
  - b. Steel Float Finish: for all slabs to receive resilient tile, waterproof membrane, or carpeting. Same as monolithic finish except omit burnish retroweling.
  - c. Fine Swirl Finish (when shown on the Drawings): Prepare same as steel float finish. When ready, perform such finishing operations as necessary to produce Architect-selected fine textured, non-slip finish. Construct sample panel for Architect's acceptance prior to placement. Sample panel shall consist of tooled edges and have a tooled joint within field of panel.
2. Provide a finished surface essentially free from trowel marks, uniform in texture and appearance, and in a plane of Class A tolerance.

#### E. Broom finish: For slabs to receive thin set tiles, apply steel float finish followed by very fine broom finish. For surfaces to receive mortar setting beds and for exterior concrete driveway ramps, curbs and gutters, spandrels, etc.

1. Provide a finished surface uniform in texture and appearance, and in a plane of Class A tolerance. Roughen surface with coarse broom.

- F. Rock Salt finish: Exterior walkways and pavings except where non-slip finish is specified.
  - 1. Provide a floated finish as described above.
  - 2. While the surface is still plastic, broadcast rock salt into the surface and embed uniformly into the surface by light tamping.
  - 3. Float the surface until it has been brought to a true plane with Class B tolerance.
  - 4. After the concrete has completely set, flood the surface with water to dissolve the rock salt, using a fine bristle brush as necessary to remove the salt.
  - 5. Provide a sample panel at the site of the proposed finish and receive the acceptance of the Architect of that finish prior to placing of the paving.
- G. Non-slip finish: For exterior platforms, steps, and landings; and Interior and exterior pedestrian ramps.
  - 1. Provide a floated finish as described above.
  - 2. While the surface is still plastic, broadcast abrasive aggregate as specified in Paragraph 2.01.F above and work into the surface according to the manufacturer's recommendations.
  - 3. Complete finishing surface as described above for a troweled finish, and as recommended by the aggregate manufacturer.

### 3.04 CURING AND PROTECTION

- A. Beginning immediately after placement, protect concrete from premature drying, excessively hot and cold temperatures, and mechanical injury.
- B. Preservation of moisture:
  - 1. Unless otherwise directed by the Architect, apply one of the following procedures to concrete not in contact with forms, immediately after completion of placement and finishing.
    - a. Ponding or continuous sprinkling;
    - b. Application of absorptive mats or fabric kept continuously wet;
    - c. Application of sand kept continuously wet;
    - d. Continuous application of team (not exceeding 150° F) or mist spray;
    - e. Application of waterproof sheet materials specified in Part 2 of this Section;
    - f. Application of other moisture-retaining covering as accepted by the Architect.
    - g. Where forms are exposed to the sun, minimize moisture loss by keeping the forms wet until they can be removed safely.
  - 2. Cure concrete by preserving moisture as specified above for at least ten days.
- C. Temperature, wind, and humidity:
  - 1. Cold weather:
    - a. When the mean daily temperature outdoors is less than 40° F, maintain the temperature of the concrete between 50° F and 70° F for the required curing period.
    - b. When necessary, provide proper and adequate heating system capable of maintaining the required heat without injury due to concentration of heat.

- c. Do not use combustion heaters during the first 24 hours unless precautions are taken to prevent exposure of the concrete to exhaust gases which contain carbon dioxide.
  2. Hot weather: When necessary, provide wind breaks, fog spraying, shading, sprinkling, ponding, or wet covering with a light colored material, applying as quickly as concrete hardening and finishing operations will allow.
  3. Rate of temperature change: Keep the temperature of the air immediately adjacent to the concrete during and immediately following the curing period as uniform as possible and not exceeding a change of 5° F in any one hour period, or 50° F in any 24 hour period.
- D. Protection from mechanical injury:
- During the curing period, protect the concrete from damaging mechanical disturbances such as heavy shock, load stresses, and excessive vibration.
1. Protect finished concrete surfaces from damage from construction equipment, materials, and methods, by application of curing procedures, and by rain and running water.
  2. Do not load self-supporting structures in such a way as to over stress the concrete.

**\*\*\*END OF SECTION\*\*\***

SECTION 03360

PNEUMATICALLY-PLACED CONCRETE (SHOTCRETE)

**PART 1 -- GENERAL**

1.01 THE REQUIREMENT

- A. The CONTRACTOR shall furnish, place, finish, cure, and protect all pneumatically-placed concrete and shall furnish and install all appurtenant work, in accordance with the requirements of the Contract Documents.
- B. Pneumatically-placed concrete as referred to herein shall mean any mixture of portland cement and sand which is dry mixed in a machine, conveyed by air through a hose, hydrated at the discharge nozzle, and deposited by air pressure to its final position in the construction.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Section 03200 Reinforcement Steel.
- B. Section 03300 Cast-in-Place Concrete.

1.03 REFERENCE SPECIFICATIONS, CODES, AND STANDARDS

- A. Comply with the reference specifications of the GENERAL REQUIREMENTS.
- B. Comply with the current provisions of the following Codes and Standards.
  - ANSI/ACI 506 Practice for Shotcreting.
  - ASTM C 40 Test Method for Organic Impurities in Fine Aggregates for Concrete.
  - ASTM C 42 Methods of Obtaining and Testing Drilled Cores and Sawed Beams of Concrete.
  - ASTM C 87 Test Method for Effect of Organic Impurities in Fine Aggregate on Strength of Mortar.
  - ASTM C 136 Method for Sieve Analysis of Fine and Coarse Aggregates.
  - ASTM C 150 Specification for Portland Cement.

1.04 CONTRACTOR SUBMITTALS

- A. Provide in accordance with Article 3.11 of the General Conditions.
- B. The following submittals and specific information shall be provided.
  - 1. Shop Drawings: The CONTRACTOR shall provide shop drawings of all steel reinforcing.
  - 2. Certificates: The CONTRACTOR shall provide certificates from manufacturers or suppliers certifying that the materials supplied conform to the requirements of the Contract Documents.

1.05 QUALITY ASSURANCE

- A. The compressive strength of the concrete will be determined by a series of four, 6-inch by 12-inch test cylinders shall be made by coring concrete cylinders from 12-inch by 30-inch by 14-inch concrete specimen blocks. The specimen blocks shall be shot in one continuous operation to the required height of the block onto a back form of plywood laid on the ground.
- B. The concrete test specimen shall be made for each 150 cubic yard or fraction thereof. Three specimens shall be cut from each concrete block 7 days after its placing. One cylinder will be tested for the 7-day strength; the other 2 will be tested at 28 days. The remainder of the concrete blocks shall be cured and stored until after the 28-day test has been made and until the ENGINEER has informed the CONTRACTOR, in writing, that no additional specimens have to be cut and tested. All concrete specimens shall be properly numbered and dated and a record shall

be made by the CONTRACTOR as to the relative location of the work for which these samples were prepared.

- C. Special Inspection: It is required that all pneumatically-placed concrete work specified herein shall be subject to inspection by an ACI Certified special inspector and approved by the SEOR and EDA County of Riverside and no such work shall be scheduled or performed without making prior arrangements to have said special inspector present during all such construction operations hereunder.

1.06 CLEANUP

Upon completion of the work specified in this Section, the CONTRACTOR shall remove all forming, shoring, rebound, excess material, and protective materials from the project site.

**PART 2 – PRODUCTS**

2.01 MATERIALS

- A. Cement: Cement shall comply with the requirements of ASTM C 150 Type II, low alkali.
- B. Sand: Sand shall consist of natural sand obtained from a source acceptable to the ENGINEER and shall in all cases be washed. The control of the washing of sand shall be such that the finer particles are retained or removed as required. Washed or saturated sand shall be allowed to drain at least 24 hours to a uniform moisture content before batching. Dry sand shall be moistened before handling when necessary to prevent segregation. The sand shall be screened through a horizontal vibrating screen having square openings, and the grading as determined in accordance with the methods prescribed by ASTM C 136 shall be within the following limits:

	<u>Percent</u>
Passing a 3/8-inch square sieve	100
Passing a No. 4 sieve	90 to 100
Passing a No. 8 sieve	65 to 90
Passing a No. 16 sieve	45 to 75
Passing a No. 30 sieve	30 to 50
Passing a No. 50 sieve	30 to 50
Passing a No. 100 sieve	2 to 8
Passing a No. 200 sieve	0 to 4

The difference between the percentages passing the No. 30 and the No. 50 sieves shall not exceed 32.

Sand shall be composed of clean, hard, strong, durable, uncoated grains, free from shale, lumps, and soft or flaky particles and from injurious amounts of dust, alkali, organic matter, loam, mica, or other deleterious substances. When tested in accordance with the methods prescribed by ASTM C 40, the color of the supernatant liquid shall not be darker than the standard specified therein and shall not contain more than a total of 3 percent by volume of clay, silt, mica, or other objectionable inorganic materials, as determined by settlement after thoroughly mixing and shaking the sample with 2-1/2 times its volume of a 3 percent (by weight) solution of sodium hydroxide in a graduated column.

Sand which in any respect varies from the foregoing requirements shall not be used in the work, and the CONTRACTOR shall do all sorting, crushing, screening, blending, washing, and other operations necessary to make the available material conform to said requirements, and shall receive no extra compensation therefore, nor for the necessity of separating and wasting any part of the natural materials. In case the finer particles from the crushed coarse aggregate are permitted or required to be mixed with the sand from natural deposits, the 2 products shall be uniformly blended before washing or screening to insure a combined product of constant composition.

Sand as prepared for use shall be of such quality that 2-inch by 4-inch test cylinders made with a mixture of cement and the sand under test shall develop compressive strengths at 7 and 28 days of not less than 90 percent of those developed by a concrete mix prepared in the same manner with the same cement and graded Ottawa testing sand, all in accordance with the method prescribed in ASTM C 87.

- C. Water: Water for pneumatically-applied concrete shall be furnished by the CONTRACTOR. All water shall be clean and free from objectionable quantities of organic matter, alkali, salts, and other impurities which might reduce the strength, durability, or other quality of the pneumatically-applied concrete.
- D. Reinforcement: Steel reinforcement shall conform to the requirements of Section 03200, "Reinforcement Steel".

## 2.02 EQUIPMENT

- A. Mixers: Mixers shall be of a type and size which is sufficient to supply all materials required by the nozzles used while providing a mixing time of not less than 1-1/2 minutes after all the cement and aggregate have been placed in the mixer.
- B. Placing Machines: For pneumatically-applied concrete placed by the dry-mix process, the minimum air pressure shall be 45 psi on the gun tank when 100 feet or less of hose is used and the pressure shall be increased 5 psi for each additional 50 feet of hose. The pressure shall also be increased 5 psi for each 25 feet that the nozzle is located above the elevation of the gun tank. The maximum nozzle diameter shall be 1-5/8 inches unless the otherwise permitted by the ENGINEER. Water pressure at the nozzle shall be at least 15 psi above the air pressure at the nozzle. Discharge nozzle shall be equipped with a manually operated water-injection system for directing an even distribution of water through the sand-cement mixture. The water valve shall be capable of ready adjustment to vary the quantity of water, and shall be convenient to the nozzleman. A properly operated air compressor of ample capacity to maintain a supply of clean, dry air adequate for maintaining sufficient nozzle velocity for the application to be performed and at the same time operate a blow pipe for clearing rebound shall be used.

## PART 3 – EXECUTION

### 3.01 GENERAL

- A. Pneumatically-placed concrete shall be used on the work where shown; and, where not shown, may be used only with written approval of the ENGINEER. Pneumatically-placed concrete shall consist of dry-mixed fine aggregate and portland cement pneumatically-placed by a suitable mechanism, to which mixture the water is added immediately previous to its expulsion from the nozzle.

### 3.02 RESTRICTIONS ON PLACING PNEUMATICALLY-PLACED CONCRETE

- A. Wind: Pneumatically-placed concrete shall not be applied under strong wind conditions, as evidenced by the removal of a considerable amount of cement and moisture from the concrete spray; provided, that in areas where strong winds prevail and work must proceed, a richer mix than specified which is acceptable to the ENGINEER, shall be used. The nozzleman shall work against the direction of the wind to avoid concrete being applied on rebound that has been carried with the wind. Shields shall be placed around the nozzleman to prevent the loss of cement carried away by the wind.
- B. Cold Weather: Pneumatically-placed concrete may be applied in cold weather; provided, that the surfaces are not frozen, the temperature during the day is expected to rise at least to 40 degrees F, and the night temperature of the first night after application is not predicted to drop below 27 degrees F; and provided further, that the CONTRACTOR shall apply concrete under these conditions solely at its own risk. In order to gain quicker setting-up times, Type III high-early-strength portland cement may be used.



- C. Rain: Whenever rain has damaged newly-placed concrete, the ENGINEER may order such concrete to be removed when it has been determined that a significant amount of cement has been washed out. The CONTRACTOR prior to placing any new layers shall consult with the ENGINEER as to whether or not the concrete damaged by rain is acceptable to the ENGINEER or must be replaced.
- D. Low Humidity: Under low humidity conditions (below 50 percent) in conjunction with wind, the CONTRACTOR shall immediately cease placing operations until there has been an improvement in the wind and humidity conditions as determined by the ENGINEER. Continuous water-curing shall be started as soon as the concrete has hardened sufficiently to prevent a washout of cement.

3.03 PROTECTION OF ADJACENT WORK

The CONTRACTOR shall take every possible precaution to protect adjacent work, concrete surfaces, vehicles, equipment, etc., from being damaged by overshooting concrete and by materials carried by the wind. Overshot concrete and rebound concrete shall be removed before it adheres.

3.04 PROPORTIONING

- A. Structural, pneumatically-placed concrete shall be proportioned to obtain 5,000 psi compressive strength at 28 days.
- B. A mix design seal and signed by a California Licensed Engineer is required to be approved before starting shotcrete operations.

3.05 MIXING

- A. Mixing and placing of pneumatically-placed concrete shall conform to the requirements specified herein and to the applicable recommendations given in ANSI/ACI 506.
- B. The sand and cement shall be thoroughly mixed in a dry state before being deposited in the placing machine or its hopper. Machine mixing will be required unless specific authority to use hand mixing is given by the ENGINEER. The machine and its operation shall be acceptable to the ENGINEER. The mixing operation shall continue for a period of not less than 1-1/2 minutes after all sand and cement has been placed in the mixer. The sand shall contain or be moistened with 6 to 10 percent of water by volume and shall not be mixed with the cement until just before placing in the hopper in order to insure against partial setting of the cement. Dry-mixed materials shall be used promptly after mixing. Any materials that remain in the hopper longer than 45 minutes after mixing shall be discarded. Rebound, recovered clean and free of foreign matter and otherwise in acceptable condition for reuse, may be reused as sand in a quantity not to exceed 20 percent of the total sand requirements.

3.06 PREPARATION OF FOUNDATION

The foundation for areas to receive pneumatically-placed concrete shall be evenly graded before the concrete is applied, and no point on the graded slope shall be above the slope plane shown or as otherwise acceptable to the ENGINEER. The areas shall be thoroughly compacted, with sufficient moisture to provide a firm foundation and to prevent absorption of water from the concrete, but shall not contain free surface water. When indicated in the Contract Documents, joints, side forms, and shooting strips shall be provided for backing or paneling. Ground or gaging wires shall be used where necessary to establish thicknesses, surface planes, and finish lines.

3.07 JOINTS

Contraction control joints shall be provided in the locations shown; where not shown, such joints shall be provided at approximately 15 ft spacing each direction in the case of unreinforced pneumatically-placed concrete, and at approximately 30 ft spacing each direction in the case of reinforced pneumatically-placed concrete. Construction joints shall be provided as shown, or if not shown, as placing stops at locations selected by the CONTRACTOR and acceptable to the ENGINEER.

3.08 REBOUND

Rebound recovered which is clean and free of foreign material may be reused as fine aggregate in quantities not to exceed 20 percent of the total fine aggregate requirements.

### 3.09 PLACING WHERE NO FORMS ARE USED

- A. Preparation of Subgrade: All cleaning, excavation, fill, backfill, grading of compacted fill, and disposal of excess earth shall be done prior to the application of pneumatically-placed concrete. The surfaces against which pneumatically-placed concrete are to be applied shall be left in a thoroughly compacted condition, and shall be neatly trimmed to line and grade. All surfaces shall be wetted before application, but pneumatically-placed concrete shall not be placed on any surface on which free water exists.
- B. Minimum Thickness: Minimum thickness shall be 1-1/2 inches unless otherwise indicated in the Contract Documents.
- C. Reinforcement: Reinforcement shall be as shown; provided, that where welded wire fabric is indicated it shall be spliced as follows: (1) side splices of sheets or roll shall be spliced a minimum of one mesh plus 2 inches; (2) longitudinal splices, or direction of principal stress, shall be spliced a minimum of 2 mesh plus 2 inches. Tie wires shall only be used on cross wires on side splices and on longitudinal wires on end splices.
- D. Ground Wires: Ground wires shall be installed in channels or ditches in such a manner that they accurately outline the finished surface of the lining as shown. They shall be located at intervals sufficient to insure proper thickness throughout. Wires shall be stretched tight and shall not be removed prior to application of the finish coat.
- E. Headers: Headers shall be installed along the channel where shown. Headers shall be securely fastened to line and grade.
- F. Placing: Pneumatically-placed concrete shall be placed in the most expeditious manner as determined by the location of the work. There shall be a nozzleman's helper in attendance at the nozzle whose duty shall be to raise the reinforcement mat sufficiently to permit placing of concrete beneath the mat at frequent intervals to insure proper location of reinforcement. The reinforcing mat shall not be pulled through already placed concrete. Where sides of the channel do not terminate against headers, concrete shall be carried over the side in a berm of not less than the lining thickness, and/or a cut-off wall to prevent moisture seeping under the lining.
- G. Finishing: After the concrete has been placed as nearly as practicable to the required depth, the surface shall be checked with a straight edge and any low spots or depressions shall be brought up to proper grade by placing additional pneumatically-placed concrete in such a manner that the finished surface is reasonably smooth. Following this, the surface shall receive a steel trowel finish.
- H. Weep Holes: Where weep holes are shown, they shall be installed so that they are flush with the surface of the lining, and open.

### 3.010 PLACING AGAINST FORMS

- A. Forms: Forms shall be of plywood or sheathing and shall be true to line and level. They shall be substantially braced to insure against excessive vibration. Forms shall be built so as to permit the escape of air and rebound and to facilitate the placing of pneumatically-placed concrete. Wall intersections shall be formed in such a manner as to afford a minimum loss of time in pneumatically placing the concrete at the intersection. This may be accomplished by the installation of short removable bulkheads at these points. Columns shall be formed on 2 adjacent sides only where practicable. Forms for beams shall be constructed of a soffit and one side. Where acceptable to the ENGINEER, such forms may be constructed of a soffit form only and a vertical backing of fine wire mesh near the center. Wood beams and shores shall be provided below the soffit in such a manner that no deflection will occur under the load to be superimposed.
- B. Sufficient time shall be allowed for installing such of the work which must be attached to forms. Forms shall be thoroughly wetted with water prior to application of the concrete.

- C. Reinforcement: Reinforcement shall be of the sizes and configuration specified or shown in the Contract Documents. Adequate chairs, ties, or other supports shall be used to maintain the reinforcing in the position required.
- D. Ground Wires: Adequate ground wires to be used as screeds shall be installed to establish the thickness and surface planes of the work. Both horizontal and vertical ground wires shall be installed at corners and offsets not clearly established by the form work. In general these will occur at exterior corners, one column or beam corner, water tables, sills, belt courses, etc. Ground wires shall be placed so that they are tight and true to line and in such a manner that they may be easily tightened up. Ground wires shall not be removed until application of the finish coat.
- E. Placing: Whenever possible, except when enclosing reinforcing steel, the nozzle shall be held at right angles to the surface and at a distance of 2.5 to 3.5 ft. When enclosing steel, the nozzle shall be held so as to direct the material behind the bars. Each side of each bar shall be shot separately. When enclosing reinforcing steel, a nozzleman's helper equipped with an air blow-out jet shall precede the nozzleman and blow out all rebound, sand, etc., which may have lodged behind the bars. Pneumatically-placed concrete shall emerge from the nozzle in a steady, uninterrupted flow. When flow becomes intermittent for any cause, the nozzle shall be diverted from the work until the stream again becomes constant. Hydration shall be thorough and uniform without the use of excessive water.
- F. In shooting walls or columns, application shall begin at the bottom and the first coat shall completely embed the reinforcement adjacent to the form. The limit of thickness and height shall be determined when the materials begin to sag.
- G. In shooting beams, a surface at right angles to the nozzle shall be maintained. Beams, in general, shall not be shot from the top. Where beams are formed of a soffit and a mesh backing at the centerline, they shall be shot from both sides in such a manner that no sags occur.
- H. In shooting slabs, the nozzle shall be held at a slight angle to the work so that rebound is blown on to the finished portion where it shall be removed. The air blow-out jet shall be constantly used to keep the work free of rebound. The limit of material to be placed in one layer shall be reached when it begins to show evidence of too much moisture. All loose material or rebound shall be removed from the surface being concreted before placing the next layer. Reinforcement shall be cleaned of any previously deposited concrete which might prevent proper bond to it. Sufficient time shall be allowed between layers for the material to set. Before set has taken place and before placing any succeeding layer, laitance shall be removed by wire brushing. Any laitance which has set shall be removed by sandblasting. Surfaces shall be damp at all times. Rebound pockets, sags, or other defects shall be carefully cut out and replaced with new pneumatically-placed concrete.
- I. Finishing: Upon reaching the thickness and planes outlined by forms and ground wires, the surface shall be rodded off to true lines. Low spots shall be built out to proper thickness. Upon completion of rodding, ground wires shall be removed. The finish coat shall be applied starting from the top of walls and working down so that pneumatically-placed concrete is not shot over the finished work. All exposed surfaces shall be finished to straight and true lines, as shown.
- J. Finish shall be a steel trowel finish.

### 3.011 JOINTS

- A. Construction Joints: Particular care shall be given to formation of construction joints. They shall be sloped to a thin edge and the edge shall be thoroughly wetted before adjacent section of pneumatically-placed concrete is placed. No square joints will be allowed. The location of all construction joints in structural members shall be acceptable to the ENGINEER.
- B. Formed Joints: All formed joints shall be constructed as detailed, at the locations shown.

### 3.012 CURING

- A. Pneumatically-placed concrete shall be damp cured for at least 14 days after placing. Curing shall conform to the applicable requirements of Section 03 30 00, "Cast-in-Place Concrete," except as

otherwise specified herein. No concrete shall be placed during freezing weather except when proper protective measures are taken as with ordinary concrete work. Concrete shall not be placed against frosted surfaces.

- B. When required by the ENGINEER the CONTRACTOR shall provide longer curing times or supplemental methods for curing concrete in structural members, and no additional payment will be allowed therefore.

**\*\*\*END OF SECTION\*\*\***