

1 part of a regularly scheduled community meeting. ENGINEER will prepare and setup display boards and  
2 create PowerPoint presentations for meetings. If necessary, OUTREACH CONSULTANT will provide  
3 projectors, screens and audiovisual equipment for the presentations. Spanish translation of handout  
4 materials will be prepared OUTREACH CONSULTANT. Minutes and notes of questions and comments  
5 related to the project presentation will be prepared by ENGINEER. Since these meetings are held as part  
6 of a regularly scheduled community meeting, it is assumed that arrangements for meeting venues will be  
7 made by others.

8 **3. Website, Social Media, and Informational Materials** – OUTREACH CONSULTANT will provide project  
9 information and progress updates for COUNTY website. Provide information to COUNTY PROJECT  
10 MANAGER for use by Supervisor's office for dissemination to the affected community and to post on the  
11 Supervisor's website.

12 **4. Public Outreach Services Not Included** - Public outreach efforts in the timeframe immediately prior to  
13 start of construction are not included in this work scope. It is assumed that the public outreach efforts  
14 associated with the construction phase of the project will be contracted under a separate contract with the  
15 selected Construction Management firm for the project.

16  
17 **J. SPECIAL PROVISIONS AND SPECIFICATIONS**

18 ENGINEER will review COUNTY boilerplate special provisions and provide revisions as necessary. Any  
19 special provisions not in the COUNTY's boilerplate special provisions will be prepared by ENGINEER  
20 following COUNTY formatting. Special Provisions will include any special traffic handling requirements as  
21 identified in Staging Plans. ENGINEER will sign the coversheet of the specifications package.

22  
23 **K. FINAL ENGINEER'S ESTIMATE PREPARATION**

24 ENGINEER will perform a quality control review of the quantity calculations through the preparation of an  
25 independent quantity estimate by ENGINEER staff not associated with the project and not in collaboration  
26 with the ENGINEER's key project personnel. ENGINEER will use COUNTY standard spreadsheet format and  
27 COUNTY standard units of measurements. ENGINEER will submit quantity calculations and estimates from

1 ENGINEER's project personnel and independent quantity estimator. Quantity differences in excess of 5% will  
2 be identified.

3  
4 **L. UTILITIES COORDINATION**

5  
6 ENGINEER shall send preliminary design plans through COUNTY staff to owning utility companies within the  
7 project limits with requests for review and comments on the plans relevant to their respective facilities, and  
8 with requests for other project specific information.

9  
10 If it is necessary to pothole existing utilities at critical locations, ENGINEER shall coordinate with COUNTY  
11 staff to arrange with the respective utility owner to pothole its facility (at utility owner or COUNTY cost).

12 ENGINEER shall prepare potholing exhibits as needed to adequately locate underground utilities.

13 ENGINEER shall coordinate the use of field survey crews to locate potholed utilities by coordinates and  
14 elevations based on the project's survey controls. ENGINEER shall evaluate the potholing data, and shall  
15 include the information on the utility plans in table format, with numbered or letter references to the location of  
16 the location of the potholes. ENGINEER shall determine whether or not the facilities are in conflict, and the  
17 limits of the conflict, both of which shall be shown on the utility plans with construction notes

18  
19 Known utility conflicts shall be shown on the plans with construction notes indicating action to be taken and by  
20 whom. Inventory numbers of poles, vaults and other surface facilities shall be shown on the plans for those  
21 facilities that have such numbers attached to the facility and as provided on the owner's inventory maps.

22  
23 ENGINEER shall monitor responses of utility notices received and make recommendations for mitigating  
24 conflicts. ENGINEER shall provide written responses to utility companies with regard to stated concerns and  
25 conduct design coordination meetings with utility companies as needed. Unresolved issues shall be brought  
26 to the attention of the COUNTY PROJECT MANAGER and COUNTY utility coordination staff as early as  
27 practical. Utility conflict issues shall be resolved prior to the completion of the final design plans as follows:

- 1
- 2 • ENGINEER, through COUNTY staff, shall request and obtain a written acknowledgement of any
- 3 conflicts from the respective utility owners.
- 4 • Reasonable efforts shall be taken to accommodate utility company requests for minor design
- 5 changes to accommodate their facilities. ENGINEER understands that the utility companies are generally
- 6 operating within the COUNTY right-of-way, but may have prior rights to that of the COUNTY in some
- 7 cases.
- 8 • ENGINEER shall coordinate inclusion of special provisions in COUNTY's bid documents for
- 9 adjustments and relocations of utility facilities as alternate bid items, if requested by the owning utility.
- 10 Said work may require that cooperative agreements be prepared by COUNTY between the COUNTY of
- 11 Riverside and the owning utility companies. Engineer shall provide information and exhibits as required
- 12 to support the preparation of cooperative agreements, if needed.

13 ENGINEER shall conduct utility coordination meetings, as needed, regarding adjustments and relocations, to  
14 resolve conflict issues, and with respect to performing work for utility companies by COUNTY contractors.

15  
16 For utility conflicts that require relocating, COUNTY staff will submit the official notice / order to the utility  
17 companies to relocate conflicting facilities.

18  
19 ENGINEER shall make recommendations for special provision language with regard to utility issues,  
20 recommendations for construction windows of time for utility relocation activities, recommendations for  
21 inclusion of utility bid items, etc.

## 22 23 **M. GEOTECHNICAL REVIEW**

24 In the final engineering phase, GEOTECHNICAL CONSULTANT will revise analyses and report prepared in  
25 the preliminary engineering phase as needed. It is assumed that no additional field exploration or laboratory  
26 testing will be required for this phase. GEOTECHNICAL CONSULTANT will review project plans and

1 specifications and provide consultation when requested. If the geotechnical report is revised, a  
2 supplementary geotechnical memo with the revised data and findings will be submitted.

3  
4 **N. ENVIRONMENTAL PS&E ASSISTANCE**

5 ENGINEER will submit plans and specifications to COUNTY's Environmental Consultant to confirm that the  
6 necessary environmental commitments are incorporated into the final plans and specifications.

7  
8 **O. RIGHT OF WAY ENGINEERING**

9 **1. Right-of-Way Requirements Map.** The Right-of-Way Requirements Map(s) will be finalized to identify  
10 the parcels needed for right-of-way acquisitions, permanent easements, temporary construction easements,  
11 and rights-of-entry. The map will be utilized by the COUNTY Surveyor and COUNTY Right-of-way Agent to  
12 prepare the documents necessary to obtain the required rights. The map will be utilized for tracking  
13 acquisitions and will be updated by ENGINEER regularly as requested by the COUNTY PROJECT  
14 MANAGER. Plan size may be custom. Scale will be sufficient to provide the information required: APN,  
15 property address, owner name, acquisition dimensions, and square footage.

16  
17 **2. Legal Descriptions and Plat Maps – Optional Task.** SURVEY CONSULTANT will prepare legal  
18 descriptions and plat maps to support the acquisition of right-of-way and permanent easements. The metes  
19 and bounds legal descriptions or strip descriptions will be accompanied by a plat map that will be recorded  
20 with the description. All documents will be prepared by or under the direct supervision of a licensed land  
21 surveyor. It is assumed that COUNTY will furnish preliminary title reports to ENGINEER for preparation of the  
22 legal descriptions. COUNTY Survey Department staff will furnish landnet base line CAD files to ENGINEER.

23  
24 Survey records from City, COUNTY, State, and others will provided by COUNTY survey upon request.  
25 Review preliminary title reports of affected parcels. Legal descriptions will be prepared with guidance from  
26 the approved Right-of-Way Requirements Exhibit and will be checked by COUNTY survey staff.

1 For the purposes of this proposal, twenty-one (21) locations have been identified and included as needing  
2 legal descriptions for right-of-way acquisition (road easements) and other permanent easements (such as  
3 storm drains, utilities, slope) . 2 legal descriptions and plats per location or 42 legal descriptions and plats  
4 total are assumed to be included in this proposal. Size of documents shall be 8.5" x 11".

5  
6 **3. TCE and ROE Exhibits.** Temporary construction easements (TCE) and rights of entry (ROE) will not  
7 require the preparation of legal description and plat maps. Instead, each TCE/ROE will require the  
8 preparation of an exhibit by the ENGINEER showing the dimensions of the location needing access and a list  
9 of general statements regarding the proposed construction work to be done on the property. A TCE/ROE  
10 exhibit may be required for the same parcel that require a RW acquisition legal and plat. For the purposes of  
11 this proposal 21 locations have been identified and included as needing exhibits for TCE/ROEs. Exhibit sizes  
12 shall be 8.5" x 11".

13  
14 **P. COORDINATION WITH COUNTY TRAFFIC**

15 The COUNTY will be providing final engineering design of traffic signals, signing and striping for the project.  
16 ENGINEER will coordinate with the COUNTY Traffic Engineering Department to assure consistency of  
17 designs for the project. ENGINEER will provide design CADD files (MicroStation format) to COUNTY Traffic  
18 Engineering for the roadway, drainage, and utility plans. When ENGINEER's design plans are updated, the  
19 updated plans will be sent to COUNTY Traffic Engineering. When COUNTY Traffic Engineering's design  
20 plans are updated, the updated plans will be sent to ENGINEER.

21  
22 ENGINEER will review traffic signal plans for conflicts with storm drain, utility, driveways, or other features.  
23 ENGINEER will notify COUNTY Traffic Engineering of any conflicts and coordinate to resolve conflicts. The  
24 completed traffic signal plans, specifications and estimates will be incorporated into the final PS&E package.

25  
26 ENGINEER will review signing and striping plans for consistency with the road improvement plans. The  
27 completed signing and striping plans, specifications and estimates will be incorporated into the final PS&E

1 package.

2  
3 In the event that COUNTY Traffic Engineering staff opts to have ENGINEER design the traffic signal, signing,  
4 and striping plans, these services are shown below as optional services.

5  
6 **Q. OPTIONAL DESIGN SERVICE - TRAFFIC SIGNAL MODIFICATION PLANS**

7 The existing traffic signals will be evaluated to determine their adequacy for the new lane configurations. The  
8 reviews will include the number of signal heads, their placement in line with the new four lane configuration,  
9 and the ability to withstand the current wind loading standards. Poles and facilities will be reviewed against  
10 the proposed street improvements and will be relocated to accommodate the proposed street improvements.

11  
12 ENGINEER will prepare traffic signal modification plans for the following intersections:

13  
14 1. Temescal Canyon Road/- Dos Lagos

15  
16 The plans will include existing and proposed traffic signal poles, mast arms, safety lighting, vehicle signal and  
17 pedestrian head modifications to conform to the proposed roadway widening per the current COUNTY/State  
18 Standards, APS standards, and based on the Manual on Uniform Traffic Control Devices (MUTCD) and the  
19 California Supplement. The completed traffic signal facilities and pedestrian crossing facilities at the ultimate  
20 locations will meet current COUNTY Standards and ADA requirements and will be consistent with the ultimate  
21 intersection lane configurations. The modification of the traffic signal will also include replacement of detector  
22 loops, video detection, extension of conduits, wires, cables, pullboxes, traffic signal equipment, push buttons,  
23 street name signs, service equipment, controller equipment, enclosures, electrical feed, luminaires, and mast  
24 arm signs, as well as, the necessary construction notes, schedules, phasing diagram, and details.

25 ENGINEER will coordinate with the traffic signal design with the COUNTY.

26  
27 This optional service will be performed only if authorized by COUNTY.

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**R. SIGNING AND STRIPING PLANS – OPTIONAL TASK**

ENGINEER will field check and prepare existing signs inventory along Temescal Canyon Road and the intersecting streets within the project limits. Existing signs and striping will be modified as required for the proposed Temescal Canyon Road roadway improvements. ENGINEER will prepare traffic Signs and Striping Plans in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) and the California Supplement. The plans will be prepared in conformance with the COUNTY requirements.

This optional service will be performed only if authorized in writing by COUNTY.

**S. SUMMARY OF DELIVERABLES**

The following is a summary of deliverables to be prepared by the ENGINEER.

- Drainage Report
- Water Quality Document per TPG
- Right-of-Way Requirements Map
- Final Engineering Plans
  - o Signing and Striping Plans (if authorized by COUNTY)
  - o Signal Modification Plans (if authorized by COUNTY)
- Special Provisions with Signed Spec Coversheet
- Engineer's Estimate
- CADD Files on CD
- Legal Descriptions and TCE & ROE Exhibits (if authorized by COUNTY)
- Fiber Optic Plans
- Construction Staging Plans (If authorized by COUNTY)
- Updated Geotechnical Report

**PHASE III: BID AND CONSTRUCTION SUPPORT**

- 1  
2 1. Bidding procedures will be the responsibility of COUNTY. While the PROJECT is being advertised  
3 for bids, all questions concerning the intent shall be referred to COUNTY for resolution. In the event  
4 that the items requiring interpretation in the drawings or specifications are discovered during the  
5 bidding period, said items will be analyzed by the ENGINEER for decision by COUNTY as to the  
6 proper procedure required. Corrective action taken will either be in the form of an addendum  
7 prepared by the ENGINEER and issued by COUNTY or by covering change order after the award of  
8 the construction contract.
- 9 2. ENGINEER will review and take appropriate action upon client supplied Requests for Information  
10 (RFI's), Requests for Change (RFC's). The reviews and actions will be for conformance with the  
11 design concept of the Project and with appropriate construction specifications and details.
- 12 3. ENGINEER will provide adjustments and revisions to design based upon unanticipated and/or  
13 unknown field conditions encountered during the course of construction.
- 14 4. ENGINEER will be available to visit to the jobsite for on-site review of construction and other visits to  
15 the jobsite as requested by the COUNTY to resolve any discrepancies in the contract documents.  
16 ENGINEER shall bring to the attention of the COUNTY Resident Engineer any defects or deficiencies  
17 in the work by the construction contractor which the ENGINEER may observe. ENGINEER shall  
18 have no authority to issue instructions on behalf of the COUNTY or to deputize another to do so. All  
19 agreements shall be between the COUNTY and its construction contractor. These provisions shall  
20 not be construed as making the ENGINEER responsible for failure of the construction contractor to  
21 carry out the work in accordance with the contract documents nor the construction means or methods  
22 or techniques, sequences, procedures or safety programs in connection with the work.
- 23 5. ENGINEER shall assist with the resolution of utility related issues that may arise during the bidding  
24 process and during construction, including design modifications as needed and as approved by the  
25 COUNTY PROJECT MANAGER.
- 26 6. ENGINEER will prepare and deliver to the COUNTY the "As-Built" plans within two months of  
27 ENGINEER's receipt of red-line "as-built" drawings from construction contractor or COUNTY. Plans



1 requiring as-builts include Roadway Design Plans, Fiber Optic Plans, Traffic Signal Modification Plans  
2 (optional task), and Signing and Striping Plans (optional task).  
3

4 For purposes of this proposal, 120 man-hours have been assumed for bid and construction support, not  
5 including as-built plan preparation.  
6

7 **ARTICLE A-IV • PROJECT COORDINATION, MEETINGS AND PRESENTATIONS**

8 ENGINEER will update the COUNTY on the progress to date, work to be accomplished in the next period,  
9 and potential problems of a technical nature or forecasted budget/schedule adjustment requirement.  
10

11 **ARTICLE A-V • COUNTY FURNISHED MATERIALS / ELEMENTS OF WORK**

12 The COUNTY will be responsible for the following:

- 13 • Topographic survey and mapping.
- 14 • Traffic Signal Plans and Signing & Striping Plans (unless COUNTY authorizes ENGINEER to  
15 perform this optional work)
- 16 • Legal description and plat map preparation unless COUNTY authorizes ENGINEER to perform this  
17 optional work)
- 18 • Title Reports.
- 19 • Utility Relocation Agreements.
- 20 • No-Fee Permits
- 21 • Right-of-way, rights of entry, and easement acquisition.
- 22 • Contact with property owners for the execution of all documents related to right-of-way, rights of  
23 entry, and easement acquisition.
- 24 • Plans, studies, as-builts and other documents readily available to the COUNTY that would assist the  
25 ENGINEER with preparation of the Plans, Specifications, and Estimates.

**APPENDIX B • ARTICLE BI • INTRODUCTION**

The Engineer shall perform the covenants set forth in Appendix A, Scope of Services in accordance with the performance requirements of Article V of this agreement and with the following Schedule of Services. All Covenants set forth in this agreement shall be completed by December 31, 2021, unless extended by supplemental agreement.

**A. PHASES**

The Schedule is divided into the following three phases:

Phase I - Preliminary Engineering

Phase II - Final Engineering (Plans, Specifications and Estimates)

Phase III - Bid and Construction Support

1 Satisfactory performance and completion of the Services under this Agreement shall be compensated based  
2 upon actual costs plus a fixed fee. COUNTY will reimburse ENGINEER for actual costs (including labor costs,  
3 overhead, and other direct costs) incurred by ENGINEER in performance of the work, exclusive of any fixed fee.  
4 A prorata portion of ENGINEER's fixed fee shall be included in the progress payments. Actual costs shall not  
5 exceed the estimated costs without prior written agreement between COUNTY and ENGINEER.

6 **APPENDIX C • ARTICLE CI • ELEMENTS OF COMPENSATION**

7 Compensation for the Services will be comprised of the following elements: DIRECT LABOR COSTS, FEES,  
8 OTHER DIRECT COSTS and OUTSIDE SERVICES.

9 **A. DIRECT LABOR COSTS**

10 Direct Labor costs shall be paid in an amount equal to the Direct Salary Costs plus the product of the Direct  
11 Salary Costs and the Multiplier which are defined as follows:

12 1. Direct Salary Costs

13 Direct Salary Costs are the base salaries and wages actually paid to the ENGINEER's personnel directly  
14 engaged in performance of the Services under the Agreement. Salary rates for specific employees shall  
15 be provided on the Fee Proposal Worksheets included in ARTICLE CV • COST PROPOSAL. All Salary  
16 rates shall be in effect for three years following the effective date of the Agreement. Thereafter,  
17 ENGINEER may request adjustments to individual rates on an annual basis. ENGINEER shall notify  
18 COUNTY in writing requesting a change in the rates included herein. All adjustments to rates shall be  
19 subject to approval by the County Director of Transportation, or his designee.

20 2. Multiplier

21 The Multiplier to be applied to the Direct Salary Costs to determine the Direct Labor Costs is the sum of  
22 the following components:

23 PAYROLL ADDITIVES..... 0.00%

24 The decimal ratio of Payroll Additives to Direct Salary Costs. Payroll Additives include all employee  
25 benefits, allowances for vacation, sick leave, and holidays, and company portion of employee insurance  
26 and social and retirement benefits, all federal and state payroll taxes, premiums for insurance which are  
27 measured by payroll costs, and other contributions and benefits imposed by applicable laws and  
28 regulations.

29 OVERHEAD COSTS..... 180.00%

The decimal ratio of allowable Overhead Costs to ENGINEER firm’s total direct salary costs. Allowable Overhead Costs include general, administrative and overhead costs of maintaining and operating established offices, and consistent with established firm policies, and as defined in the Federal Acquisitions Regulations, Part 31.2.

TOTAL MULTIPLIER..... 180.00%

(sum of Payroll Additives and Overhead Costs)

**B. FIXED FEE**

1. The Total Fixed Fee payable to the ENGINEER is \$46,465.85 (PRIME CONSULTANT Profit)
2. A pro-rata share of the Fixed Fee shall be applied to the total Direct Labor Costs expended for services each month, and shall be included on each monthly invoice.

**C. OTHER DIRECT EXPENSES**

Additional Direct Costs, directly identifiable to the performance of the services of this Agreement, shall be reimbursed at the rates below, or at actual invoiced cost.

Rates for identified Additional Direct Costs are as follows:

Item	Rate	Unit
Printing and Reproduction	\$5,000.00	EACH
Pothole (up to 30 holes)	\$24,000.00	EACH
Travel Mileage	\$870.00	MILE

Travel by air and travel in excess of 100 miles from ENGINEER’s office nearest to COUNTY’s office must have COUNTY’s prior written approval to be reimbursed under this Agreement.

**D. OUTSIDE SERVICES**

Outside services shall be paid in accordance with the cost proposals submitted by each Subconsultant. Billings for Outside Services shall be submitted along with the Prime Consultant’s monthly Progress Report/Billing submittals and shall be in conformance with the COUNTY Engineering Services Invoicing Procedures.

**ARTICLE CII • DIRECT SALARY RATES**

Direct Salary Rates, which are the range of hourly rates to be used in determining Direct Salary Costs, are given below and are subject to the following:

**A. PREMIUM OVERTIME**

1 Direct Salary Rates shall be applicable to both straight time and overtime work, unless payment of a premium  
2 for overtime work is required by law, regulation or craft agreement, or is otherwise specified in this  
3 Agreement. In such event, the premium portion of Direct Salary Costs will not be subject to the Multiplier.

4 **B. SALARY RATES**

5 All Salary rates shall be in effect for three years following the effective date of the Agreement. Thereafter,  
6 ENGINEER may request adjustments to individual rates on an annual basis. ENGINEER shall notify  
7 COUNTY in writing requesting a change in the rates included herein. All adjustments to rates shall be subject  
8 to approval by the County Director of Transportation, or his designee.

9 **POSITION OR CLASSIFICATION MAXIMUM HOURLY RATES**

10	Project Manager	\$72.02 / hour
11	Structure Lead	\$86.04 / hour
12	Project Engineer A	\$62.92 / hour
13	Project Engineer B	\$57.50 / hour
14	Engineer III A	\$61.82 / hour
15	Engineer III B	\$52.99 / hour
16	Engineer II A	\$44.71 / hour
17	Engineer II B	\$40.00 / hour
18	Senior CADD	\$45.53 / hour
19	Assistant Engineer	\$31.46 / hour

20 The above rates are for ENGINEER only. All rates for subconsultants to ENGINEER will be in accordance  
21 with the subconsultants cost proposal.

22 **ARTICLE CIII • INVOICING**

23 ENGINEER shall submit invoices in accordance with the Engineering Services Agreement ARTICLE VI •  
24 COMPENSATION and with the following requirements.

- 25 1. Charges shall be billed in accordance with the terms and rates included herein, unless otherwise  
26 agreed in writing by the County Contract Administrator.
- 27 2. Base Work and Extra Work shall be charged separately, and the charges for each Phase listed in  
28 Appendix B, Schedule of Services, shall be listed separately. The charges for each individual  
29 assigned under this Agreement shall be listed separately.



FEE PROPOSAL WORKSHEET		
COMPANY: <b>NCM Engineering</b>	SCOPE OF WORK: <b>Project Summary</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temescal Canyon Road - Dos Lagos Segment (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Project Manager	Project Manager	402	@	\$72.02	\$28,952.04
Mohan Char	Structure Lead	174	@	\$86.04	\$14,970.96
Albert Pan	Project Engineer	574	@	\$57.50	\$33,005.00
Mark Stiller	Engineer III	120	@	\$52.99	\$6,358.80
Youichi Nakagawa	Engineer II	724	@	\$44.71	\$32,370.04
Alma Carrillo	Engineer II	556	@	\$40.00	\$22,240.00
Ray Andresek	Senior CADD			\$45.53	
Mark Gonzalez	Project Engineer	100	@	\$62.92	\$6,292.00
Samantha Cadena	Assistant Engineer			\$31.46	
Kimberly Gee	Engineer II			\$44.71	
Engineer III	Engineer III	352	@	\$61.82	\$21,760.64
David Kim	Engineer III			\$52.99	
		<b>TOTAL HOURS</b>	<b>3,002</b>	<b>AL DIRECT LABOR</b>	<b>\$165,949.48</b>

**MULTIPLIERS**

ESCALATION @		(Rates Vary by Phase)	
OVERHEAD @	180.00%	(of Direct Labor + Escalation)	\$298,709.06
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$46,465.85
<b>TOTAL MULTIPLIERS</b>			<b>\$345,174.92</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Printing and Reproduction	5000	@	\$1.00	\$5,000.00
Pothole (up to 30 holes)	1	@	\$24,000.00	\$24,000.00
Travel Mileage	1500	@	\$0.58	\$870.00
<b>TOTAL ODC'S</b>				<b>\$29,870.00</b>

**SUB CONSULTANT SERVICES**

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
NCM Engineering (Optional)	\$32,309.79	\$67,204.37	\$400.00	\$99,914.16
Diaz-Yourman & Associates	\$3,369.00	\$8,329.79	\$12,080.50	\$23,779.29
Green Com, Inc.	\$4,713.60	\$9,545.04	\$1,200.00	\$15,458.64
LIN Consulting Inc.	\$3,986.62	\$7,634.38	\$351.00	\$11,972.00
LIN Consulting Inc. (Optional)	\$3,828.08	\$7,330.77	\$393.50	\$11,552.35
Psomas (Optional)	\$16,947.78	\$33,498.98	\$200.00	\$50,646.76

TOTAL SUBCONSULTANT SERVICES WITHOUT OPTIONAL TASKS **\$51,209.92**  
 TOTAL SUBCONSULTANT SERVICES WITH OPTIONAL TASKS **\$213,323.19**

**TOTAL WITHOUT OPTIONAL TASKS \$592,204.32**  
**TOTAL WITH OPTIONAL TASKS \$754,317.59**





FEE PROPOSAL WORKSHEET		
COMPANY: <b>NCM Engineering</b>	SCOPE OF WORK: <b>Plans, Specs &amp; Estimates</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Temescal Canyon Road - Dos Lagos Segment (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT	
Project Manager	Project Manager	250	@	\$72.02	\$18,005.00	
Mohan Char	Structure Lead	142	@	\$86.04	\$12,217.68	
Albert Pan	Project Engineer	390	@	\$57.50	\$22,425.00	
Mark Stiller	Engineer III	64	@	\$52.99	\$3,391.36	
Youichi Nakagawa	Engineer II	508	@	\$44.71	\$22,712.68	
Alma Carrillo	Engineer II	396	@	\$40.00	\$15,840.00	
Ray Andresek	Senior CADD			\$45.53		
Mark Gonzalez	Project Engineer	60	@	\$62.92	\$3,775.20	
Samantha Cadena	Assistant Engineer			\$31.46		
Kimberly Gee	Engineer II			\$44.71		
Engineer III	Engineer III	256	@	\$61.82	\$15,825.92	
David Kim	Engineer III			\$52.99		
		<b>TOTAL HOURS</b>		<b>2,066</b>	<b>AL DIRECT LABOR</b>	<b>\$114,192.84</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	180.00%	(of Direct Labor + Escalation)	\$205,547.11
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$31,974.00
<b>TOTAL MULTIPLIERS</b>			<b>\$237,521.11</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Printing and Reproduction	3000	@	\$1.00	\$3,000.00
Pothole (up to 30 holes)	1	@	\$24,000.00	\$24,000.00
Travel Mileage	600	@	\$0.58	\$348.00
<b>TOTAL ODC'S</b>				<b>\$27,348.00</b>

**SUB CONSULTANT SERVICES**

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
NCM Engineering (Optional)	\$32,309.79	\$67,204.37	\$400.00	\$99,914.16
Diaz-Yourman & Associates	\$838.54	\$2,073.27		\$2,911.81
Green Com, Inc.	\$2,356.80	\$4,772.52	\$600.00	\$7,729.32
LIN Consulting Inc.	\$3,843.62	\$7,360.53	\$351.00	\$11,555.15
LIN Consulting Inc. (Optional)	\$3,699.46	\$7,084.47	\$278.50	\$11,062.43
Psomas (Optional)	\$16,947.78	\$33,498.98	\$200.00	\$50,646.76

TOTAL SUBCONSULTANT SERVICES WITHOUT OPTIONAL TASKS **\$22,196.29**

TOTAL SUBCONSULTANT SERVICES WITH OPTIONAL TASKS **\$183,819.63**

**TOTAL WITHOUT OPTIONAL TASKS \$401,258.23**

**TOTAL WITH OPTIONAL TASKS \$562,881.58**

FEE PROPOSAL WORKSHEET		
COMPANY: <b>NCM Engineering</b>	SCOPE OF WORK: <b>Bid &amp; Construction Support</b>	PHASE: <b>Phase III</b>
PROJECT: <b>Temescal Canyon Road - Dos Lagos Segment (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Project Manager	Project Manager	16	@	\$72.02	\$1,152.32
Mohan Char	Structure Lead	12	@	\$86.04	\$1,032.48
Albert Pan	Project Engineer	24	@	\$57.50	\$1,380.00
Mark Stiller	Engineer III	40	@	\$52.99	\$2,119.60
Youichi Nakagawa	Engineer II	28	@	\$44.71	\$1,251.88
Alma Carrillo	Engineer II			\$40.00	
Ray Andresek	Senior CADD			\$45.53	
Mark Gonzalez	Project Engineer			\$62.92	
Samantha Cadena	Assistant Engineer			\$31.46	
Kimberly Gee	Engineer II			\$44.71	
Engineer III	Engineer III			\$61.82	
David Kim	Engineer III			\$52.99	
		<b>TOTAL HOURS</b>	<b>120</b>	<b>AL DIRECT LABOR</b>	<b>\$6,936.28</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	180.00%	(of Direct Labor + Escalation)	\$12,485.30
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,942.16
<b>TOTAL MULTIPLIERS</b>			<b>\$14,427.46</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Printing and Reproduction	1000	@	\$1.00	\$1,000.00
Pothole (up to 30 holes)			\$24,000.00	
Travel Mileage	300	@	\$0.58	\$174.00
<b>TOTAL ODC'S</b>				<b>\$1,174.00</b>

**SUB CONSULTANT SERVICES**

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
NCM Engineering (Optional)				
Diaz-Yourman & Associates				
Green Com, Inc.				
LIN Consulting Inc.	\$143.00	\$273.85		\$416.85
LIN Consulting Inc. (Optional)	\$128.62	\$246.31		\$374.93
Psomas (Optional)				

TOTAL SUBCONSULTANT SERVICES WITHOUT OPTIONAL TASKS **\$416.85**  
TOTAL SUBCONSULTANT SERVICES WITH OPTIONAL TASKS **\$791.77**

**TOTAL WITHOUT OPTIONAL TASKS \$22,954.59**  
**TOTAL WITH OPTIONAL TASKS \$23,329.51**

**MANHOUR WORKSHEET**

COMPANY: <b>NCM Engineering</b>	SCOPE OF WORK: <b>Manhour Summary</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temescal Canyon Road - Dos Lagos Segment (C6-0066)</b>		DATE: <b>March 7, 2016</b>

TASK	PROJECT MANAGER	STRUCTURE LEAD	PROJECT ENGINEER	ENGINEER III	ENGINEER II	SENIOR CAD	PROJECT ENGINEER	ASSISTANT ENGINEER	ENGINEER II	ENGINEER III	ENGINEER III	HOURS (Top & Bottom)
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PHASE TOTALS	402	174	574	120	724	556	100	352	3,002	3,002	3,002	HOURS
PHASE I	136	20	160	16	188	160	40	96	816	816	816	HOURS
PHASE II	250	142	390	64	508	396	60	256	2,066	2,066	2,066	HOURS
PHASE III	16	12	24	40	28				120	120	120	HOURS

TASK												HOURS
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PHASE TOTALS	
PHASE I	
PHASE II	
PHASE III	



**MANHOUR WORKSHEET**

COMPANY: **NCM Engineering**      SCOPE OF WORK: **Plans, Specs & Estimates**      PHASE: **Phase II**  
 PROJECT: **Temescal Canyon Road - Dos Lagos Segment (C6-0066)**      DATE: **March 7, 2016**

TASK	PROJECT MANAGER	STRUCTURE LEAD	PROJECT ENGINEER	ENGINEER III	ENGINEER II	ENGINEER II	SENIOR CAD	PROJECT ENGINEER	ASSISTANT ENGINEER	ENGINEER III	ENGINEER III	HOURS	COST
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**Total Manhours**      250   142   390   64   508   396   60   256      **2,066**

Project Management	36											36	\$ 7,986
Meetings	24	8	60	16								108	\$ 20,681
Utility Coordination and Agreements	16	120	40									176	\$ 42,434
Prepare 65% Roadway Plans	20		60	120	120							320	\$ 46,371
Prepare 65% Drainage Plans	16			72								144	\$ 24,127
Prepare Final Drainage Report	8			24								104	\$ 18,789
Prepare 65% Engineering Cost Estimate	8	2	8	32								58	\$ 9,434
Prepare 95% Roadway Plans	12		76	76	76							240	\$ 35,950
Prepare 95% Drainage Plans	8			40								88	\$ 14,899
Prepare 95% Engineering Cost Estimate	12		16		32							60	\$ 9,438
Prepare 95% Specifications	2		24									58	\$ 10,787
Prepare Final Right of Way Requirements Including TCE / ROE Exhibits	8		16	20	20							64	\$ 9,826
Site Mod Meetings with Property Owners	32		40									72	\$ 14,182
Prepare Water Quality Report (TPG)	4			16								44	\$ 7,660
Prepare 100% PS&E	20	4	24	16	72	72						224	\$ 34,190
Prepare Camera Ready PS&E	16	4	10	16	36	36						134	\$ 21,431
RE Files	8	4	16	8	40							76	\$ 11,902
QA/QC							60					60	\$ 11,628



FEE PROPOSAL WORKSHEET		
COMPANY: <b>NCM Engineering (Optional)</b>	SCOPE OF WORK: <b>Optional Tasks</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Project Manager	Project Manager	32	@ \$72.02	\$2,304.73	
Mohan Char	Structure Lead	28	@ \$86.04	\$2,409.09	
Albert Pan	Project Engineer	84	@ \$57.50	\$4,830.00	
Mark Stiller	Engineer III	120	@ \$52.99	\$6,358.83	
Youichi Nakagawa	Engineer II	40	@ \$44.71	\$1,788.44	
Alma Carrillo	Engineer II	120	@ \$40.00	\$4,800.00	
Ray Andresek	Senior CADD	120	@ \$45.53	\$5,463.60	
Kimberly Gee	Engineer II	50	@ \$44.71	\$2,235.50	
David Kim	Engineer III	40	@ \$52.99	\$2,119.60	
TOTAL HOURS			<b>634</b>	AL DIRECT LABOR	<b>\$32,309.79</b>

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)		
OVERHEAD @	180.00% (of Direct Labor + Escalation)		\$58,157.62
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)		\$9,046.74
TOTAL MULTIPLIERS			<b>\$67,204.37</b>

**OTHER DIRECT COSTS**

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Printing and Reproduction	400	Budget @	\$1.00	\$400.00

TOTAL ODC'S      \$400.00

**TOTAL      \$99,914.16**





**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Diaz-Yourman &amp; Associates</b>	SCOPE OF WORK: <b>Geotechnical</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>3/7/2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
V.R. Nadeswaran	Principal Engineer	6	@ \$73.86	\$443.16
S. Niranjana	Associate Engineer/Project Manage	28	@ \$51.79	\$1,450.12
Charles Chen	Staff Engineer/ISA		\$28.48	
Staff Engineer II	Staff Engineer II	21	@ \$31.53	\$662.13
Staff Engineer/Geologist I	Staff Engineer/Geologist I	19	@ \$25.83	\$490.77
Ashely Helma	CADD	2	@ \$22.73	\$45.46
Deanna Rose	Technical Editor/Word Processor	8	@ \$34.67	\$277.36
<b>TOTAL HOURS</b>		<b>84</b>	<b>AL DIRECT LABOR</b>	<b>\$3,369.00</b>

**MULTIPLIERS**

ESCALATION @	(Rates Vary by Phase)		
OVERHEAD @	215.68%	(of Direct Labor + Escalation)	\$7,266.26
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,063.53
<b>TOTAL MULTIPLIERS</b>			<b>\$8,329.79</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Drillers	1	Each @	\$4,595.00	\$4,595.00
Geophysical Survey	1	Each @	\$1,428.00	\$1,428.00
Traffic Control	1	Each @	\$1,760.00	\$1,760.00
Geotechnical Laboratory Testing	1	Each @	\$2,991.00	\$2,991.00
Mileage	60	miles @	\$0.575	\$34.50
Field Truck	16	hour @	\$17.00	\$272.00
Environmental Database/Aerial Photographs		Each	\$1,000.00	
Consulting Geologist		Each	\$1,000.00	
<b>TOTAL ODC'S</b>			<b>\$11,080.50</b>	

**TOTAL** **\$22,779.29**

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Diaz-Yourman &amp; Associates</b>	SCOPE OF WORK: <b>Geotechnical</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Temsca Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT		
V.R. Nadeswaran	Principal Engineer	4	@ \$73.86	\$295.44		
S. Niranjanan	Associate Engineer/Project Manage	16	@ \$51.79	\$828.64		
Charles Chen	Staff Engineer/ISA		\$28.48			
Staff Engineer II	Staff Engineer II	21	@ \$31.53	\$662.13		
Staff Engineer/Geologist I	Staff Engineer/Geologist I	19	@ \$25.83	\$490.77		
Ashely Helma	CADD	2	@ \$22.73	\$45.46		
Deanna Rose	Technical Editor/Word Processor	6	@ \$34.67	\$208.02		
<b>TOTAL HOURS</b>				<b>68</b>	<b>AL DIRECT LABOR</b>	<b>\$2,530.46</b>

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)		
OVERHEAD @	215.68% (of Direct Labor + Escalation)		\$5,457.70
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)		\$798.82
<b>TOTAL MULTIPLIERS</b>			<b>\$6,256.51</b>

**OTHER DIRECT COSTS**

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Drillers	1	Each @	\$4,595.00	\$4,595.00
Geophysical Survey	1	Each @	\$1,428.00	\$1,428.00
Traffic Control	1	Each @	\$1,760.00	\$1,760.00
Geotechnical Laboratory Testing	1	Each @	\$2,991.00	\$2,991.00
Mileage	60	miles @	\$0.58	\$34.50
Field Truck	16	hour @	\$17.00	\$272.00
Environmental Database/Aerial Photographs		Each	\$1,000.00	
Consulting Geologist	1	Each @	\$1,000.00	\$1,000.00
<b>TOTAL ODC'S</b>				<b>\$12,080.50</b>

**TOTAL \$20,867.47**

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Diaz-Yourman &amp; Associates</b>	SCOPE OF WORK: <b>Geotechnical</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Temsca Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
V.R. Nadeswaran	Principal Engineer	2	@	\$73.86	\$147.72
S. Niranjana	Associate Engineer/Project Manage	12	@	\$51.79	\$621.48
Charles Chen	Staff Engineer/ISA			\$28.48	
Staff Engineer II	Staff Engineer II			\$31.53	
Staff Engineer/Geologist I	Staff Engineer/Geologist I			\$25.83	
Ashely Helma	CADD			\$22.73	
Deanna Rose	Technical Editor/Word Processor	2	@	\$34.67	\$69.34

TOTAL HOURS      16      AL DIRECT LABOR      **\$838.54**

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	215.68%	(of Direct Labor + Escalation)	\$1,808.56
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$264.71

TOTAL MULTIPLIERS      **\$2,073.27**

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Drillers		Each	\$4,595.00	
Geophysical Survey		Each	\$1,428.00	
Traffic Control		Each	\$1,760.00	
Geotechnical Laboratory Testing		Each	\$2,991.00	
Mileage		miles	\$0.58	
Field Truck		hour	\$17.00	
Environmental Database/Aerial Photographs		Each	\$1,000.00	
Consulting Geologist		Each	\$1,000.00	

TOTAL ODC'S

**TOTAL**      **\$2,911.81**

**SUBCONSULTANT MANHOUR WORKSHEET SUMMARY**

COMPANY: <b>Diaz-Yourman &amp; Associates</b>	SCOPE OF WORK: <b>Geotechnical</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

TASK	PRINCIPAL ENGINEER	ASSOCIATE ENGINEER/PROJECT MANAGER	STAFF ENGINEERISA	STAFF ENGINEER II	STAFF ENGINEER I	CADD ENGINEER/GEOLOGIST	TECHNICAL EDITOR/MOD PROFFESOR	HOURS
PHASE I		4	16	21	19	2	6	68
PHASE II		2	12				2	16
PHASE III								

<b>PHASE TOTALS</b>	<b>6</b>	<b>28</b>	<b>21</b>	<b>19</b>	<b>2</b>	<b>8</b>	<b>84</b>
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**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Green Com, Inc.</b>	SCOPE OF WORK: <b>Public Outreach</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temsca Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Dennis Green	Project Manager	46	@ \$55.64	\$2,559.44
Daisy Terrazas	Public Outreach Assistant	24	@ \$25.28	\$606.72
Verna Liles	Public Outreach Assistant	26	@ \$25.28	\$657.28
John Robles	Web/Graphics Technician	24	@ \$37.09	\$890.16
Martin Wallace	Web/Graphics Technician		\$37.09	
Darcy McNaboe	Web/Graphics Technician		\$37.09	

TOTAL HOURS            **120**            AL DIRECT LABOR            **\$4,713.60**

**MULTIPLIERS**

ESCALATION @	(Rates Vary by Phase)	
OVERHEAD @	175.00% (of Direct Labor + Escalation)	\$8,248.80
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.00% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,296.24

TOTAL MULTIPLIERS            **\$9,545.04**

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Meeting Equipment			\$125.00	
Display Boards				
PA System	4	@	\$175.00	\$700.00
Printing Actual Cost	500	@	\$1.00	\$500.00
Hotline Actual Cost				

TOTAL ODC'S            **\$1,200.00**

**TOTAL**            **\$15,458.64**

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Green Com, Inc.</b>	SCOPE OF WORK: <b>Public Outreach</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive (C6-0066)</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Dennis Green	Project Manager	23	@ \$55.64	\$1,279.72
Daisy Terrazas	Public Outreach Assistant	12	@ \$25.28	\$303.36
Verna Liles	Public Outreach Assistant	13	@ \$25.28	\$328.64
John Robles	Web/Graphics Technician	12	@ \$37.09	\$445.08
Martin Wallace	Web/Graphics Technician		\$37.09	
Darcy McNaboe	Web/Graphics Technician		\$37.09	

TOTAL HOURS      **60**      AL DIRECT LABOR      **\$2,356.80**

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	175.00%	(of Direct Labor + Escalation)	\$4,124.40
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$648.12

TOTAL MULTIPLIERS      **\$4,772.52**

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Meeting Equipment			\$125.00	
Display Boards				
PA System	2	@	\$175.00	\$350.00
Printing Actual Cost	250	@	\$1.00	\$250.00
Hotline Actual Cost				

TOTAL ODC'S      **\$600.00**

**TOTAL**      **\$7,729.32**











**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>LIN Consulting Inc.</b>	SCOPE OF WORK: <b>Fiber Optic Conduit</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
William Sun	PIC / QA/QC	4	@	\$64.26	\$257.04
Ray Kommidi	Senior Project Manager	34	@	\$57.12	\$1,942.08
Ryan Woo	Project Engineer	50	@	\$35.75	\$1,787.50
Ann Dinh	Assistant Engineer			\$15.50	

TOTAL HOURS      **88**      TOTAL DIRECT LABOR      **\$3,986.62**

**MULTIPLIERS**

ESCALATION @	(Rates Vary by Phase)		
OVERHEAD @	61.00%	(of Direct Labor + Escalation)	\$2,431.84
PAYROLL ADDITIVES @	104.00%	(of Direct Labor + Escalation)	\$4,146.08
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,056.45

TOTAL MULTIPLIERS      **\$7,634.38**

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage	200	miles	@	\$0.54	\$108.00
Overnight					
Reproductions/Scans	54	SF	@	\$4.50	\$243.00

TOTAL ODC'S      **\$351.00**

**TOTAL**      **\$11,972.00**













### SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: <b>LIN Consulting Inc. (Optional)</b>	SCOPE OF WORK: <b>Traffic Signals (Optional)</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive</b>	DATE: <b>March 7, 2016</b>	

#### DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
William Sun	PIC / QA/QC	7	@ \$64.26	\$449.82	
Ray Kommidi	Senior Project Manager	23	@ \$57.12	\$1,313.76	
Ryan Woo	Project Engineer	30	@ \$35.75	\$1,072.50	
Benny Yau	Project Engineer	6	@ \$33.50	\$201.00	
Vicky Jongitsamrit	Project Engineer	18	@ \$25.00	\$450.00	
Stephanie Chan	Assistant Engineer	22	@ \$15.50	\$341.00	
TOTAL HOURS				<b>106</b>	AL DIRECT LABOR
					<b>\$3,828.08</b>

#### MULTIPLIERS

ESCALATION @	(Rates Vary by Phase)		
OVERHEAD @	61.00%	(of Direct Labor + Escalation)	\$2,335.13
PAYROLL ADDITIVES @	104.00%	(of Direct Labor + Escalation)	\$3,981.20
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,014.44
TOTAL MULTIPLIERS			<b>\$7,330.77</b>

#### OTHER DIRECT COSTS

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage	500	miles	@ \$0.58	\$287.50
Overnight	1	ea	@ \$25.00	\$25.00
Reproductions/Scans	18	SF	@ \$4.50	\$81.00
TOTAL ODC'S				<b>\$393.50</b>

**TOTAL \$11,552.35**

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>LIN Consulting Inc. (Optional)</b>	SCOPE OF WORK: <b>Traffic Signals (Optional)</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
William Sun	PIC / QA/QC	7	@ \$64.26	\$449.82
Ray Kommid	Senior Project Manager	22	@ \$57.12	\$1,256.64
Ryan Woo	Project Engineer	28	@ \$35.75	\$1,001.00
Benny Yau	Project Engineer	6	@ \$33.50	\$201.00
Vicky Jongitsamrit	Project Engineer	18	@ \$25.00	\$450.00
Stephanie Chan	Assistant Engineer	22	@ \$15.50	\$341.00

TOTAL HOURS      **103**      AL DIRECT LABOR      **\$3,699.46**

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)	
OVERHEAD @	61.00% (of Direct Labor + Escalation)	\$2,256.67
PAYROLL ADDITIVES @	104.00% (of Direct Labor + Escalation)	\$3,847.44
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$980.36

TOTAL MULTIPLIERS      **\$7,084.47**

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage	300	miles @	\$0.58	\$172.50
Overnight	1	ea @	\$25.00	\$25.00
Reproductions/Scans	18	SF @	\$4.50	\$81.00

TOTAL ODC'S      **\$278.50**

TOTAL      **\$11,062.43**

<b>SUBCONSULTANT FEE PROPOSAL WORKSHEET</b>		
COMPANY: <b>LIN Consulting Inc. (Optional)</b>	SCOPE OF WORK: <b>Traffic Signals (Optional)</b>	PHASE: <b>Phase III</b>
PROJECT: <b>Temscal Canyon Road - Leroy Road to Dos Lagos Drive</b>		DATE: <b>March 7, 2016</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
William Sun	PIC / QA/QC		\$64.26		
Ray Kommidi	Senior Project Manager	1	@	\$57.12	\$57.12
Ryan Woo	Project Engineer	2	@	\$35.75	\$71.50
Benny Yau	Project Engineer			\$33.50	
Vicky Jongitsamrit	Project Engineer			\$25.00	
Stephanie Chan	Assistant Engineer			\$15.50	
TOTAL HOURS			<b>3</b>	AL DIRECT LABOR	<b>\$128.62</b>

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)		
OVERHEAD @	61.00%	(of Direct Labor + Escalation)	\$78.46
PAYROLL ADDITIVES @	104.00%	(of Direct Labor + Escalation)	\$133.76
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$34.08
TOTAL MULTIPLIERS			<b>\$246.31</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage		miles	\$0.58	
Overnight		ea	\$25.00	
Reproductions/Scans		SF	\$4.50	
TOTAL ODC'S				

**TOTAL** **\$374.93**

<b>SUBCONSULTANT MANHOUR WORKSHEET SUMMARY</b>		
<b>COMPANY:</b> LIN Consulting Inc. (Optional)	<b>SCOPE OF WORK:</b> Traffic Signals (Optional)	<b>PHASE:</b> All Phases
<b>PROJECT:</b> Temscal Canyon Road - Leroy Road to Dos Lagos Drive		<b>DATE:</b> March 7, 2016

TASK	PC / OADC	SENIOR PROJECT MANAGER	PROJECT ENGINEER	PROJECT ENGINEER	PROJECT ENGINEER	ASSISTANT ENGINEER	HOURS

PHASE TOTALS	7	23	30	6	18	22	106
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PHASE I							
PHASE II	7	22	28	6	18	22	103
PHASE III		1	2				3







### SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY: <b>Psomas (Optional)</b>	SCOPE OF WORK: <b>Legal Descriptions (Optional)</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Temescal Canyon Road - Leroy Road to Dos Lagos Drive</b>		DATE: <b>March 7, 2016</b>

#### DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Cliff Simental	Survey Manger	22	@ \$75.59	\$1,662.98
James Rios	Project Surveyor	60	@ \$53.75	\$3,225.00
Tim Garcia	Project Surveyor	60	@ \$53.75	\$3,225.00
Jesus Ulloa	Cadd Surveyor	104	@ \$43.67	\$4,541.68
Michael Lauwers	Cadd Surveyor	96	@ \$43.67	\$4,192.32
Two Person Survey Crew	Two Person Survey Crew		\$85.67	
Liz Blair	Admin. Assistant	4	@ \$25.20	\$100.80

TOTAL HOURS        346        AL DIRECT LABOR        **\$16,947.78**

#### MULTIPLIERS

ESCALATION @	(of Direct Labor)	
OVERHEAD @	170.60% (of Direct Labor + Escalation)	\$28,912.91
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$4,586.07

TOTAL MULTIPLIERS        **\$33,498.98**

#### OTHER DIRECT COSTS

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Printing and Reproduction	1	Budget	@ \$200.00	\$200.00

TOTAL ODC'S        **\$200.00**

TOTAL        **\$50,646.76**

