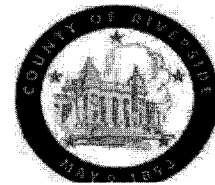


SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



ITEM  
3.21  
(ID # 2207)

MEETING DATE:

Tuesday, November 8, 2016

FROM : TLMA-TRANSPORTATION:

**SUBJECT:** TLMA-TRANSPORTATION: Approval of Amendment No. 3 to the Engineering and Environmental Services Agreement between the County of Riverside and Dokken Engineering for the Improvements to the Existing Interchange at Scott Road and Interstate 215 in the cities of Menifee and Murrieta. 3rd District; [\$3,144,087 - Total Cost] Local Funds 100%

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

1. Approve Amendment No. 3 to the Engineering and Environmental Service Agreement between the County of Riverside (County) and Dokken Engineering (Dokken); and
2. Authorize the Chairman of the Board to execute the same.

Policy

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 910,000	\$ 180,000	\$ 3,144,087	\$ 0
NET COUNTY COST	\$0	\$0	\$0	\$0
<b>SOURCE OF FUNDS:</b> CFD- Community Facilities District (100%). No General Funds are used on this project			<b>Budget Adjustment:</b>	No
			<b>For Fiscal Year:</b>	16/17 – 17/18

**C.E.O. RECOMMENDATION:** Approve

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Washington, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Washington, Benoit and Ashley  
Nays: None  
Absent: None  
Date: November 8, 2016  
xc: Transp.

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

3-21

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

**BACKGROUND:**

**Summary**

On June 14, 2005 (Agenda Item 3-23), the Board of Supervisors approved an Engineering and Environmental Service Agreement between the County and Dokken Engineering to provide professional engineering services for the Scott Road/Interstate 215 (I-215) Interchange Improvement Project.

The original agreement provided for the preparation of the environmental document, project report, plans, specifications and estimates. Amendment No. 1 to the Engineering Services Agreement was approved on April 17, 2007 (Agenda Item 3-34), by the Board of Supervisors to incorporate additional tasks and revised documents due to the required expansion of the project footprint. Amendment No. 2 was approved on July 17, 2012 (Agenda Item 3-48), due to additional studies required by the California Department of Transportation (Caltrans) and to include improvements within the City of Menifee originally anticipated to be completed by a private development project which has not yet been developed nor is anticipated in the foreseeable future.

The Scott Road/I-215 Interchange is within the cities of Menifee and Murrieta as shown on the attached vicinity map. The cities have designated the County as the lead agency for the development of the project. The City of Menifee is sponsoring the construction phase and the County has been working with the City of Menifee to identify funding for construction. Due to a funding shortfall, and to mitigate the current traffic congestion, it is the desire of the City of Menifee and the County to phase construction in order to accelerate the improvements. Phase 1 (refer to attached Phase 1 Project exhibit) completes approximately 60% to 70% of the overall project improvements. It has been determined that the proposed Phase 1 Project improvements will provide acceptable levels of service for a period of up to 20 years based on the current rate of development. Phase 2 will be initiated at a future date as additional funding becomes available.

Updates to the existing environmental documents and design are necessary in order to phase construction. Amendment No. 3 is now required to incorporate the additional tasks necessary to complete the environmental documentation and design revisions for the Phase 1 Project into the Engineering Services Agreement between the County and Dokken Engineering.

Amendment No. 3 has been negotiated by the County of Riverside Transportation Department and increases the budget for consulting services necessary to provide the additional services and also includes a \$46,217 contingency amount to be used only with prior written approval from the Director of Transportation.

General tasks that are part of the Dokken Engineering contract amendment are as follows:

- Revise and revalidate the environmental document and associated studies including the following:
  - Geotechnical Studies
  - Traffic Studies
  - Environmental Technical Studies

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

- Environmental Permitting
- Revise design plans and specifications and associated documents for phase 1 of the Scott Road Interchange Project, including the following:
  - Geometric Approval Drawings
  - Supplemental Project Report
  - Cost Estimate
  - Structure Plans
  - Utility Coordination
  - Roadway Plans, Specifications and Estimate

The project budget is summarized below:

**Budget Summary:**

Original Contract:	\$1,681,739
Amendment 1:	\$ 177,210
Amendment 2:	\$ 314,580
<b><u>Amendment 3:</u></b>	<b><u>\$ 970,558</u></b>
Total Contract	\$3,144,087

The agreement and detailed scope of services and fee proposal is attached. County Counsel has approved the Amendment as to form. Project No. B30689

**Impact on Residents and Businesses**

The Scott Road/I-215 Interchange project, Phase 1, will improve traffic congestion and the quality of life for the local residents and businesses. Freeway travel will be improved due to the reduced congestion at the ramp intersections on Scott Road.

**ATTACHMENTS:**

Vicinity Map

Amendment No. 3 with Attachment- Phase 1 Project Exhibit



## VICINITY MAP



In Riverside County in the Cities of Murrieta and Menifee

on Interstate 215 from 0.75 miles south (PM R14.8) to 0.65 miles north (PM R16.2)

of the Scott Road Overcrossing



AMENDMENT 3

AMENDMENT TO AGREEMENT BETWEEN

THE COUNTY OF RIVERSIDE AND DOKKEN ENGINEERING

FOR ENGINEERING SERVICES ON THE SCOTT ROAD/I-215 INTERCHANGE PROJECT

THIS AMENDMENT 3 (hereinafter the "Amendment") to an agreement is made and entered into as of this 08 day of November, 2016, by and between the County of Riverside, a political subdivision of the State of California (hereinafter "COUNTY"), and Dokken Engineering, a California corporation (hereinafter "ENGINEER").

RECITALS

- A. COUNTY and ENGINEER have entered in an agreement entitled "Engineering Services Agreement for the Scott Road Interchange at Interstate 215 (I-215) between the County of Riverside • Transportation Department and Dokken Engineering that is dated June 14, 2005, first amended on April 17, 2007 and second amended on July 17, 2012 (hereinafter the "Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services necessary to prepare an environmental document, project report, plans, specifications, estimates, bid and construction support.
- B. Due to budget constraints the Project will now be constructed in 2 phases. The first phase of the Scott Road /I-215 interchange project (hereinafter "Phase 1 Project") is the subject of this Amendment. The second phase will require further environmental and design efforts prior to construction at an undetermined future date. Amendment 3 provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services for Phase 1 Project improvements.
- C. The Parties desire to supplement the current Agreement to increase the contract budget, modify the scope of services to be provided by the Engineer, and extend the term of the contract.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree and ratify the terms and conditions as follows:

1. Article VI. COMPENSATION, subparagraph B.1 of the Agreement is modified to reflect the not-to-exceed amount of \$2,173,529 to be increased by \$970,558, including contingencies, to \$3,144,087 as provided below:
  - Increase the Agreement Phase 1 budget by \$274,544 – for engineering services necessary to

manage and develop revalidation documents including development of phasing concepts, supplemental studies and addenda to the technical studies including Geotechnical, Traffic, Geometrics, Cultural, various Environmental Technical, CEQA and NEPA Environmental and the Project Report.

- Increase the Agreement Phase 2 budget by \$649,797 – for engineering services necessary to incorporate design modifications and update construction documents required to complete Phase 1 Project including plans, specification and estimates, updates and addenda to design reports such as Drainage Storm Water and Traffic Management plans.
- Increase the contingency budget by \$46,217 - to be used with prior written approval by the Director of Transportation for unforeseen or additional tasks to complete the scope of services.

2. Article VI COMPENSATION, subparagraph B.1 is further modified to reflect the following amounts of compensation for ENGINEER and the contingency budget:

- |                              |               |
|------------------------------|---------------|
| • Prime - Dokken Engineering | \$ 915,501.39 |
| • Geocon Consultants         | \$ 14,980.00  |
| • Contingency                | \$ 46,217.00  |

3. Appendix A. Scope of Services - is amended to include the additional scope of work as reflected in Attachment "A3" of this Amendment, consisting of 10 pages, attached hereto and incorporated by this reference.

4. Appendix B. Article BI. Introduction – For the Schedule of Services, the introductory paragraph is modified to reflect that time for completion for the Engineering Services Agreement shall be extended to December 31, 2020.

5. Appendix C. Budget - is modified as set forth in the summaries of the requested and recommended budget adjustments and billing rates as provided in Attachment "C3" of this Amendment, consisting of 17 pages, attached hereto and incorporated by this reference.

6. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement as approved on June 14, 2005 and amended April 17, 2007 and July 17, 2012 shall remain in full force and effect between the parties hereto.

IN WITNESS HEREOF, the parties hereto have caused this Amendment to the Agreement to be duly executed this day and year first written above.

ARTICLE VII • APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

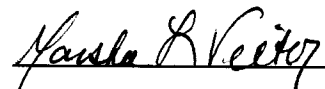
 Dated: 10/17/16

Patricia Romo

Director of Transportation

APPROVED AS TO FORM:

Gregory P. Priamos, County Counsel

 Dated: 10/24/16

By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

 Dated: NOV 08 2016

**JOHN J. BENOIT**  
PRINTED NAME

Chairman, Riverside County Board of Supervisors

ATTEST:

 Dated: NOV 08 2016

KECIA HARPER-IHEM

Clerk to the Board of Supervisors (SEAL)

ENGINEER Approvals

ENGINEER:

 Dated: 8/30/16

Richard A. Dokken

PRINTED NAME

CEO

TITLE

ENGINEER:

 Dated: 8/30/16

Cathy Chan

PRINTED NAME

Secretary

TITLE



## PROJECT PHASING

In accordance with Contract No. 05-04-011 dated June 14, 2005, Dokken Engineering (DE) has been providing environmental and design services to support the ultimate improvements to the Scott Road/Interstate 215 interchange in the Cities of Menifee and Murrieta in Riverside County. To date, the scope of work for Phase I (PA/ED) has been completed and the scope of work for Phase II (PS&E) is nearing completion with the 100% PS&E submittal to Caltrans having been completed on January 11, 2016.

Based on a recent funding assessment, the County of Riverside and City of Menifee determined that the funds needed to construct the ultimate interchange improvements could not be obtained for several years. As a result, the County and City requested that Dokken Engineering determine the feasibility of constructing the interchange improvements in two phases. Based on the findings of this feasibility study and the subsequent cooperation pledged by Caltrans, the County and City requested that Dokken Engineering begin the tasks necessary to advance the Phase 1 improvements to construction.

This amendment covers the tasks necessary to confirm phasing feasibility, obtain management support, and update/revalidate the engineering and environmental documents/design plans needed to bid the project for construction. The items of work associated with this amendment are summarized below.

### PHASE I: PROJECT APPROVAL AND ENVIRONMENTAL DOCUMENT (PA&ED)

#### TASK 1.0 Project Management

##### **Task 1.2 Project Management – Phase 1 Improvements**

**\$17,501**

Dokken Engineering will provide project management activities to support the revalidation and approval of the preliminary engineering and environmental documents for the Phase 1 project. These activities include facilitating PDT and focus meetings, maintaining the project schedule, conducting quality control reviews of deliverables, providing funding support, coordinating with RCTC to update the FTIP, managing team communication, and preparing monthly invoices/progress reports.

#### TASK 3.0 Geotechnical Studies

##### **Task 3.8 Structures Foundation Report – Phase 1 Improvements**

**\$6,827**

An addendum to the previously approved Foundation Report (FR) is needed to provide updated geotechnical recommendations for the phased bridge design. The FR Addendum will document the re-analysis of the foundation design to meet current design specifications and revised structural loading. Tasks associated with this effort include:

- Review the current FR and coordinate with the bridge designer to obtain updated foundation loading;
- Develop an ARS curve based on the latest Caltrans Seismic Design Criteria;
- Reanalyze foundation (deep foundations at abutments and spread footings at the bent) based on the updated structural loading;

Geocon will summarize the results of the above analysis and provide updated geotechnical design recommendations in a FR Addendum. A draft addendum will be submitted to Caltrans, the County, and the City for review and comment. Geocon will address comments received and submit the FR Addendum for final approval.

*Deliverable: Foundation Report Addendum (Draft/Final)*

#### TASK 4.0 Traffic Studies

##### **4.4 Supplemental Traffic Analysis – Phase 1 Improvements**

##### **Task 4.4.1 Conceptual Traffic Modeling**

**\$7,401**

This task consists of the activities necessary to test the preliminary feasibility of the Phase 1 project for the County's decision-making purposes.

The Dokken team will provide a recommendation to the County regarding the location and type of traffic counts to obtain. Using the updated traffic counts obtained by the County, together with historical data, Dokken will prepare an analysis of the current and forecasted traffic volumes.

The Dokken team will set up a Synchro traffic model for the Phase 1 alternative using the existing and forecast volumes to analyze the Level of Service anticipated at all of the major intersections in the project area. If any Level of Service falls below the allowable thresholds, Dokken's traffic engineer will coordinate with the designers to alter the design such that the minimum Level of Service can be attained.

Dokken will summarize the results of this analysis in a Technical Memorandum and submit the memorandum to the County/City for review. Comments will be addressed and a final memorandum will be incorporated into the Phasing Summary technical memorandum for consideration of the phasing strategy.

*Deliverable: Conceptual Traffic Operations Memorandum*

**Task 4.4.2 Traffic Operations Analysis****\$20,263**

Once the conceptual traffic modeling has identified a feasible Phase 1 concept and the County and City of Menifee elect to move forward with a phased construction approach, the Dokken team will attend a focus meeting with Caltrans to discuss the requirements of the supplemental traffic operations analysis. These requirements are anticipated to include a detailed description of the traffic volume forecasts and intersection, freeway mainline, weaving, and merge/diverge analyses for the existing, opening year and design year. Dokken will update the conceptual analysis to reflect Caltrans' requirements and submit a Draft Supplemental Traffic Operations Analysis for review and comment. Dokken will address comments received and submit the Final Supplemental Traffic Operations Analysis for final approval. This task includes the effort necessary to produce Supplements No. 1 and No. 2 (20-year design life).

*Deliverable: Supplemental Traffic Operations Analysis – No. 1 & No. 2 (Draft/Final)*

**TASK 5.0 Preliminary Geometrics****Task 5.3 Phasing Plan****Task 5.3.1 Concept Development****\$21,101**

At the County's request, Dokken Engineering will evaluate the proposed Scott Road Interchange improvements and identify opportunities to construct the project in two phases: Phase 1 and Phase 2, taking into consideration constructability and benefit to traffic operations.

Dokken will prepare a concept exhibit that identifies the Phase 1 improvements, the extent of temporary ("throw away") work, and required design exceptions. Dokken will also prepare an exhibit illustrating the right of way that would still need to be acquired for Phase 1 construction.

Dokken will prepare a preliminary cost estimate detailing the approximate construction cost for the Phase 1 project. In addition, to assist the County with the decision-making process, Dokken will prepare a cost comparison of Phase 1, Phase 2, and Unphased project costs to demonstrate the offsetting costs associated with phasing the project. Dokken will summarize the results of the Phasing Analysis in a technical memorandum and will attend a meeting with City and County staff to present the results of the concept development and projected construction cost savings.

*Deliverable: Phasing Analysis Memorandum and Exhibit*

**Task 5.3.2 Design Exception Fact Sheet****\$20,884**

The Dokken team will complete the DIB 78, 79, and 82 check list to identify any new design exceptions related to the Phase 1 project. A Design Exception Fact Sheet (DEFS) with accompanying exhibits will be prepared to describe each design exception in detail, the purpose for the exception, and the cost to make the design standard. The DEFS will also present the traffic data for the project and include a collision analysis of current accident data. The DEFS will be submitted to Caltrans for review and Dokken will attend a focus meeting to discuss the design exceptions in detail with Caltrans staff. Dokken will address comments associated with the DEFS and provide updates accordingly. A final DEFS will be provided to Caltrans for approval and signature.

*Deliverable: Design Exception Fact Sheet (Draft/Final)*

**Task 5.3.3 Supplemental Modified Access Report****\$21,722**

A Supplemental Modified Access Report (SMAR) will be prepared to describe the phased construction approach. The Dokken team will develop a proposed outline for the SMAR and submit to Caltrans for review and approval. Dokken will also attend a focus meeting with Caltrans to discuss the items that need to be addressed specific to the phased construction approach. Based on the final approved outline and the direction provided at the focus meeting, Dokken will develop the SMAR (with attachments) to include information from the Supplemental Project Report as well as an analysis of the eight policy points. Dokken will submit the Draft SMAR to Caltrans for review and comment. Dokken will address comments received and submit the Final Supplemental Modified Access Report for final approval.

Upon approval, Dokken will prepare the submittal package to the Federal Highway Administration (FHWA) and will respond to comments received from FHWA. Once all comments are reconciled, Dokken will prepare a Final SMAR for Caltrans files.

*Deliverable: Supplemental Modified Access Report (Draft/Final)*

**TASK 7.0 Cultural Technical Studies****7.5 Historic Property Survey Report Revalidation Memorandum****\$5,201**

A Historic Property Survey Report (HPSR) Revalidation Memorandum will be prepared to reflect the Phase I project area and any future consultation that will need to take place prior to Phase 2. A draft HPSR Revalidation Memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments and submit the HPSR Revalidation Memorandum for final approval.

*Deliverable: HPSR Revalidation Memorandum*

**TASK 8.0 Environmental Technical****Task 8.6 Technical Study Revalidation****Task 8.6.1 Community Impact Assessment Revalidation Memorandum****\$3,593**

A Community Impact Assessment (CIA) Revalidation Memorandum will be prepared to assess any additional impacts that the proposed phasing will have on the surrounding community. A draft memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments received and submit the CIA Revalidation Memorandum for final approval.

*Deliverable: CIA Revalidation Memorandum*

**Task 8.6.2 Air Quality Analysis Revalidation Memorandum****\$3,593**

An Air Quality Analysis Revalidation Memorandum will be prepared to assess any additional impacts that the phased project will have on air quality within the project area. A draft memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments received and submit the Air Quality Analysis Revalidation Memorandum for final approval.

*Deliverable: Air Quality Analysis Revalidation Memorandum*

**Task 8.6.3 Noise Study Revalidation Memorandum****\$3,593**

A Noise Study Revalidation Memorandum will be prepared to assess any additional impacts that the proposed phasing will have on the noise levels in the surrounding community. A draft memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments received and submit the Noise Study Revalidation Memorandum for final approval.

*Deliverable: Noise Study Revalidation Memorandum*

**Task 8.6.4 Visual Impact Assessment Revalidation Memorandum****\$3,593**

A Visual Impact Assessment (VIA) Revalidation Memorandum will be prepared to assess any additional impacts that the proposed phasing will have on the visual surroundings of the project area. A draft memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments received and submit the VIA Revalidation Memorandum for final approval.



*Deliverable: VIA Revalidation Memorandum*

**Task 8.6.5 Hazardous Waste Initial Site Assessment Revalidation Memorandum \$3,593**

A Hazardous Waste Initial Site Assessment (ISA) Revalidation Memorandum will be prepared to assess any additional impacts that the proposed phasing will have on hazardous waste sites and recommend that an additional record search confirming presence of RECs will be done prior to Phase 2. A draft memorandum will be sent to Caltrans and the County for review and comment. Dokken will address comments received and submit the ISA Revalidation Memorandum for final approval.

*Deliverable: Hazardous Waste ISA Revalidation Memorandum*

**TASK 9.0 Biological Studies**

**Task 9.4 Biological Studies Revalidation**

**Task 9.4.1 Natural Environment Study Revalidation Memorandum \$5,629**

A Natural Environment Study Revalidation Memorandum will be prepared to assess any additional impacts that the proposed phasing will have on documented special status species within the project area. A draft memorandum will be sent to the County and Caltrans for review and comment. Dokken will address comments received and submit the NES Revalidation Memorandum for final approval.

*Deliverable: NES Revalidation Memorandum*

**Task 9.4.2 Biological Opinion Update \$4,617**

Based on previous field studies and the 2012 addendum to the Natural Environment Study, the project will result in temporary impacts to Quino checkerspot butterfly and Stephens' kangaroo rat due to removal of potential habitat. The biological assessment will be updated to include the phased project areas and impacts within Phase 1. Dokken will coordinate with USFWS via email to update the project description and verify that no additional impacts to federally listed species would occur due to the proposed construction phasing. The Consultant will coordinate with Caltrans and the County during this process.

*Deliverable: Biological Opinion Update Email to USFWS*

**Task 9.4.3 Western Riverside Multiple Species Habitat Conservation Plan Project Consistency Review Report Revalidation \$9,328**

The project is located within the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). The MSHCP Project Consistency Review report will be updated to reflect the proposed construction phasing and any additional impacts to special status species within the HCP. Upon County and Caltrans approval, the report will be submitted to U.S. Fish and Wildlife and California Department of Fish and Wildlife for concurrence that the project as proposed is consistent with the requirements of the Western Riverside County MSHCP.

*Deliverable: MSHCP Project Consistency Review Report*

**TASK 10.0 Geometric Approval**

**Task 10.3 Geometric Approval – Phase 1 Improvements \$46,934**

Based on the results of the conceptual feasibility analysis, the Dokken team will prepare a draft Geometric Approval Drawing (GAD) submittal for the Phase 1 improvements that consists of the following elements:

- Project Information Letter
- Quality Control Plan
- Design Exception Fact Sheet
- DIB 78 Checklist
- GAD (layouts, profiles, typical sections, and superelevation diagrams)

Dokken will attend a focus meeting to discuss the GAD submittal with Caltrans staff and will address comments received on the draft package. Once all comments are reconciled, a final GAD package will be prepared and submitted for approval.

*Deliverable: Geometric Approval Drawing Package (Draft/Final)*

**TASK 11.0 Environmental****Task 11.5 Revalidation - Phase 1 Improvements****Task 11.5.1 NEPA/CEQA Revalidation Form****\$3,538**

After each of the technical studies have been approved by Caltrans, Dokken Engineering will prepare a Caltrans standard NEPA/CEQA Revalidation Form for the Categorical Exclusion/Mitigated Negative Declaration environmental document that was approved by Caltrans on November 19, 2012. The Revalidation Form will document updates to the project description including the phasing of the project and any other environmental sections that would warrant updates due to changes in the project timing or changes in local, state, or federal regulations. The revalidation form will be reviewed and approved by Caltrans for both the NEPA and CEQA determinations.

*Deliverable: NEPA/CEQA Revalidation Form*

**Task 11.5.2 Environmental Commitments Record Update****\$2,433**

The Environmental Commitments Record will be updated to include only applicable mitigation measures for the Phase 1 improvements.

*Deliverable: Updated Environmental Commitments Record*

**Task 11.5.3 Public Meeting****\$9,644**

A public informational meeting will be held to inform the adjacent landowners about the proposed construction phasing. Dokken Engineering will set up and attend this meeting to answer questions regarding the project, any potential environmental impacts, as well as the environmental schedule. Dokken will also prepare meeting materials, including invitation mailers, publication ads, exhibits, comment cards, and fact sheets. All comments at this meeting will be recorded and responded to as appropriate.

*Deliverable: Meeting materials*

**Task 11.5.4 Permitting****11.5.4.1 U.S. Army Corps of Engineers Permit (404)****\$8,614**

Dokken Engineering will prepare and process an update to the application for the permit required for compliance with Section 404 permits under the authority of the U.S. Army Corps of Engineers (USACE). The revised permit application will include the revised impacts to waters of the U.S. and State for Phase 1.

*Deliverable: Revised Section 404 Nationwide Permit 14 Application*

**11.5.4.2 Department of Fish and Wildlife 1600 Agreement****\$8,614**

Dokken Engineering will prepare and process an application for the permit required for compliance with Section 1602 permits under the authority of the California Department of Fish and Wildlife (CDFW). The revised permit application will include the revised impacts to State-listed species and habitat for the Phase 1 improvements.

*Deliverable: Revised Section 1602 Streambed Alteration Agreement Application*

**11.5.4.3 Regional Water Quality Control Board 401 Permit****\$8,614**

Dokken Engineering will prepare and process an application for the permit required for compliance with Section 401 permits under the authority of the Regional Water Quality Control Board (RWQCB). The revised permit application will include the revised impacts to waters of the U.S. and State for the Phase 1 improvements.

*Deliverable: Revised Section 401 Water Quality Certification Application*

**TASK 12.0 Project Report****Task 12.2 Supplemental Project Report****\$27,711**

A Supplemental Project Report (SPR) will be prepared to describe the proposed construction phasing. The Dokken team will develop a proposed outline for the SPR and submit to Caltrans for review and approval. Based on the final approved outline, Dokken will develop the SPR together with the necessary attachments, including exhibits, the 11-page cost estimate, and Right of Way Data Sheet. Dokken will submit the Draft SPR to Caltrans for review and comment. Dokken will address comments received and submit the Final SPR for approval.

*Deliverable: Supplemental Project Report (Draft/Final)*

**PHASE II: PLANS, SPECIFICATIONS, AND ESTIMATE (PS&E)****TASK 1.0 Project Management****Task 1.2 Project Management – Phase 1 Improvements****\$18,619**

Dokken Engineering will provide project management activities to support the final design activities for the Phase 1 project. These activities include facilitating PDT and focus meetings, maintaining the project schedule, conducting quality control reviews of deliverables, providing funding support, coordination with RCTC to update the FTIP, managing team communication, and preparing monthly invoices/progress reports.

**TASK 13.0 Roadway PS&E****Task 13.3 Phase 1 Roadway 95% PS&E****Task 13.3.1 95% Plan Sheets****\$154,286**

Based on the approved Geometric Approval Drawings, the Dokken team will update the plans associated with the Ultimate Project to reflect the Phase 1 improvements as well as updates to Caltrans Standard Plans (2015). Dokken anticipates updating the following sheets:

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| • Title                             | • Construction Area Signs             |
| • Typical Cross Sections            | • Stage Construction/Traffic Handling |
| • Key Map/Line Index                | • Pavement Delineation                |
| • Layouts                           | • Sign                                |
| • Profile/Superelevations           | • Summary of Quantities               |
| • Construction Details              | • Retaining Wall                      |
| • Temporary Water Pollution Control | • Planting and Irrigation             |
| • Erosion Control                   | • Traffic Signal                      |
| • Contour Grading                   | • Ramp Meter                          |
| • Drainage Design                   | • Lighting                            |
| • Utility                           | • Revised Standard Plans              |

The above noted design sheets will be assembled into a comprehensive plan set and submitted to Caltrans, the County, and the Cities for review. *Deliverable: 95% Plans*

**Task 13.3.2 Roadway Special Provisions****\$78,043**

The Special Provisions will be updated to reflect the items of work associated with only the Phase 1 improvements as well as the latest 2015 Caltrans Standard Specifications and Special Provisions. As part of this effort, the list of contract items with item descriptions, item numbers, and units of pay, and item pay codes will be updated accordingly. The Special Provisions will be submitted with the plans to Caltrans, the County, and the Cities for review.

*Deliverable: 95% Special Provisions*



**Task 13.3.3 Roadway Engineer's Estimate****\$42,140**

The Engineers Estimate of construction costs, based on detailed quantity takeoffs and current unit prices, will be updated to reflect the items of work associated with the Phase 1 improvements. A reasonable upward adjustment will be applied to all bid quantities that may vary during construction to allow for any necessary design adjustments. The supporting quantity calculations for all contract items, including cost of lump sum items, will similarly be updated to reflect the Phase 1 improvements. The Engineer's Estimate will be submitted with the plan set to Caltrans, the County, and the Cities for review.

*Deliverable: 95% Estimate*

**Task 13.3.4 Drainage Report Addendum****\$21,101**

An Addendum to the current project Drainage Report will be prepared to assess the drainage systems that will be modified by the Phase 1 improvements. The Addendum would include:

- An updated project description and purpose/reason for the addendum
- A summary of the Phase 1 drainage improvements
- Hydrologic analysis based on prorated flows from the approved report
- Hydraulic analysis of affected systems for spread, inlet, and storm drain functionality.
- Summary of hydrology and hydraulic results of the Phase 1 affected/interim systems.
- A drainage map exhibit showing the Phase 1 watershed boundaries

A draft Addendum will be sent to Caltrans, the County, and the Cities for review and comment. Dokken will address comments received and submit the Drainage Report Addendum for final approval.

*Deliverable: Drainage Report Addendum (Draft/Final)*

**Task 13.3.5 Updated Storm Water Data Report (SWDR)****\$6,492**

The current SWDR will be updated to identify the required storm water controls and project-specific permanent Best Management Practices (BMPs) associated with the Phase 1 improvements. The updated SWDR will be sent to Caltrans, the County, and the Cities for review and comment. Dokken will address comments received and submit the SWDR for final approval.

*Deliverable: Updated Storm Water Data Report (Draft/Final)*

**Task 13.3.6 Updated Storm Water Pollution Prevention Plan (SWPPP)****\$7,510**

The current SWPPP will be updated to identify the required temporary construction-related storm water controls and Best Management Practices (BMPs) associated with the Phase 1 improvements. The updated SWPPP will be sent to Caltrans, the County, and the Cities for review and comment. Dokken will address comments received and submit the SWPPP for final approval.

*Deliverable: Updated Storm Water Pollution Prevention Plan (Draft/Final)*

**Task 13.3.7 Updated Traffic Management Plan (TMP)****\$14,274**

The current TMP will be updated to address development of a public awareness campaign, proper identification of detour routes and lane closures, scheduling of construction activities during off-peak hours, emergency access, development of traffic contingency plans and other factors related to traffic management during construction of the Phase 1 project. The updated TMP will be sent to Caltrans, the County, and the Cities for review and comment. Dokken will address comments received and submit the TMP for final approval.

*Deliverable: Updated Traffic Management Plan (Draft/Final)*

**TASK 14.0 Structures PS&E****Task 14.5 Structures Update – Phase 1 Improvements****Task 14.5.1 Type Selection/APS****\$17,595**

Dokken will prepare a memorandum that describes the bridge design changes associated with the Phase 1 improvements. In addition, Dokken will update the current bridge general plan, foundation plan, and estimate to reflect the proposed Phase 1 improvements. These items will be assembled into an updated Advance Planning Study and submitted to Caltrans Division of Structures (DOS) for review and comment. Dokken will address comments received and submit the APS for final approval.

*Deliverable: Advance Planning Study (Draft/Final)*

**Task 14.5.2 65% Structures Unchecked Details****\$45,212**

Upon approval of the Advance Planning Study, Dokken will update the structure design for the overcrossing. The structure design will be coordinated with the development of the Foundation Report Addendum and will utilize the latest seismic design criteria required by Caltrans. Based on the results of this analysis, the following design sheets will be updated to reflect the Phase 1 improvements as well as updates to Caltrans Standard Plans (2015):

- |                    |                           |
|--------------------|---------------------------|
| • General Plan     | • Girder Layout           |
| • Foundation Plan  | • Longitudinal Section    |
| • Abutment Layout  | • Pre-cast Girder Details |
| • Abutment details | • Miscellaneous Details   |
| • Bent Layout      | • Structure Approach      |
| • Bent Details     | • Drainage Details        |
| • Typical Sections | • Architectural Details   |

As part of this effort, Dokken will also update the pay item list, structures estimate, and structures special provisions to reflect the improvements associated with the Phase 1 project and the new Caltrans 2015 Standard Specifications and Special Provisions. The 65% Structures PS&E will be submitted to Caltrans DOS, the County, and the Cities for review.

*Deliverable: 65% Structures Unchecked Details*

**Task 14.5.3 90% Structures Initial PS&E****\$32,955**

Upon receipt of comments on the 65% Structures PS&E, Dokken will update the structures plan sheets listed above to reflect responses to comments as well as revised design and check calculations. The structures estimate and special provisions will also be updated in response to comments and design refinement. The 90% Structures Initial PS&E package will be submitted to Caltrans DOS, the County, and the Cities for review.

*Deliverable: 90% Structures Initial PS&E*

**Task 14.5.4 95% Structures Checked Details****\$24,654**

Upon receipt of comments on the 90% Structures Initial PS&E, Dokken will update the structures plan sheets listed above to reflect responses to comments from all design branches. The structures estimate and special provisions will also be updated in response to comments. The 95% Structures Checked Details package will be submitted to Caltrans DOS and the County for review.

*Deliverable: 95% Structures Checked Details*

**Task 14.5.5 100% Structures Final PS&E****\$19,689**

Upon receipt of comments on the 95% Structures Initial PS&E, Dokken will update the structures plan sheets listed above to reflect responses to comments from all design branches. The structures estimate and special provisions will also be updated in response to comments. The 100% Structures Final PS&E package will be submitted to Caltrans DOS, the County, and the Cities for review.

*Deliverable: 100% Structures Final PS&E*

**TASK 15.0 District PS&E****Task 15.2 District 100% PS&E – Phase 1 Improvements****\$93,560**

Dokken will address comments received on the 95% PS&E submittal package and will update each of the components (plans, specifications, estimates, and reports) accordingly. Dokken will prepare a response to comment matrix and will assemble the 100% PS&E package to include the final plans listed in Task 13.3.1, the final special provisions, the final engineer's estimate, the structures plans, and final versions of the Drainage Report Addendum, SWDR, SWPPP, and TMP. The 100% PS&E package will be submitted to the County, the Cities, and Caltrans for final review and approval.

*Deliverable: 100% District PS&E*

**TASK 16.0 Coordinate Utilities****Task 16.4 Phase 1 Utility Coordination****Task 16.4.1 Utility Meetings****\$18,432**

Dokken will set up and facilitate meetings with all affected utility companies to inform them of the changes to the project, describe the proposed Phase 1 improvements, and determine the impact to each relocation plan that is currently in progress.

To facilitate the meeting and impact assessment, Dokken will prepare and provide an updated utility exhibit showing the existing utility locations in association with the Phase 1 improvements.

*Deliverable: Utility Exhibit, Meeting Minutes*

**Task 16.4.2 Utility Conflict Resolution****\$15,143**

The Dokken team will coordinate with each utility company regularly to provide project design information, resolve conflicts/constraints, and ultimately obtain relocation plans from each company. Coordination will be conducted in the form of conference calls, meetings, and site visits to facilitate the exchange of information.

**Task 16.4.3 Update Reports of Investigation****\$6,703**

Dokken will work with the utility companies to verify the assignment of cost liability for the various required relocation costs and obtain an updated claim letter from each company. This information, together with the updated relocation plans, will be used to update the Report of Investigation package for each utility company.

*Deliverable: Reports of Investigation*

**Task 16.4.4 Utility Agreements****\$12,040**

Utility agreements have been developed required relocations where the County shares in the cost liability. These agreements will be updated to reflect any changes associated with implementation of the phased construction. Draft versions of these agreements will be provided to Caltrans for review. Upon approval, the agreements will be submitted to the County and the utility companies for review. Comments will be addressed and the agreements will be updated and executed by the signatory parties.

*Deliverable: Utility Agreements*

**Task 16.4.5 Encroachment Exception Package****\$12,040**

Utility companies that will maintain facilities within Caltrans right of way will require an Encroachment Exception. The current Encroachment Exception packages that were previously prepared for the ultimate project will be modified to reflect the changes associated with the Phase 1 improvements. These packages will be submitted to Caltrans for review and comment. Dokken will work with the utility companies to address the comments and will submit the Encroachment Exception packages for final review and approval.

*Deliverable: Encroachment Exception Package*



**Task 16.4.6 Notice to Owners**

**\$3,798**

Upon receipt of each utility company's relocation plans, execution of the utility agreements (if applicable), and approval of encroachment exceptions (as required), Dokken will coordinate with the County to determine the timeframe within which the utility companies will conduct their relocation work. Dokken will document the required relocation work and associated relocation schedule for each utility company in a Notice to Owner.

*Deliverable: Notice to Owner*

**Task 16.4.7 Right of Way Certification**

**\$5,511**

Upon completion of the right of way acquisition (by County) and utility coordination, the Dokken team will prepare and submit a Right of Way Certification (Type 1) to Caltrans for review and comment. Dokken will address comments received and submit the Right of Way Certification for final approval.

## AMENDMENT 3 • ATTACHMENT C3

### Scott Road / I-215 - Amendment 3 Budget Adjustment

August 19, 2016

COMPANIES	PHASE I	PHASE II	PHASE III	PHASE IV	TOTAL
Dokken Engineering Prime	\$269,522.85	\$ 645,978.53			\$ 915,501.39
Geocon Consultants Geotechnical - Foundation Report Addendum	\$ 5,021.09				\$ 5,021.09
David Evans and Associates, Inc. Planting/Irrigation Plans		\$ 3,818.29			\$ 3,818.29
<b>TOTAL</b>	<b>\$274,543.95</b>	<b>\$ 649,796.82</b>			<b>\$ 924,340.77</b>

Phase I **PA&ED**

Phase II **PS&E**

Phase III **Bidding Support**

Phase IV **Construction Support**



**FEE PROPOSAL WORKSHEET**

COMPANY: <b>Dokken Engineering</b>	SCOPE OF WORK: <b>Project Summary</b>	PHASE: <b>All Phases</b>
PROJECT: <b>Scott Road / I-215 - Amendment 3</b>	DATE: <b>August 19, 2016</b>	

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Pamela Dalcin-Walling	Project Manager	404	@	\$60.00	\$24,240.00
Chris Thomas	Project Engineer	577	@	\$55.00	\$31,735.00
Mike Greer	Roadway Designer	510	@	\$44.00	\$22,440.00
Charles Tornaci	Structures Designer	379	@	\$50.00	\$18,950.00
George Dunn	Senior Traffic Engineer	153	@	\$45.00	\$6,885.00
Staff	Senior Engineer	506	@	\$55.00	\$27,830.00
Staff	Associate Engineer	984	@	\$40.00	\$39,360.00
Staff	Assistant Engineer	2,968	@	\$29.00	\$86,072.00
Namat Hosseinion	Environmental Manager	50	@	\$60.00	\$3,000.00
Staff	Senior Environmental Planner	20	@	\$47.00	\$940.00
Staff	Associate Environmental Planner	136	@	\$34.50	\$4,692.00
Staff	Environmental Planner / Biologist	538	@	\$28.00	\$15,064.00
Staff	Archaeologist / Environmental Planner	40	@	\$30.50	\$1,220.00
Staff	Engineering Technician	360	@	\$35.00	\$12,600.00

TOTAL HOURS      **7,625**      % DIRECT LABOR      **\$295,028.00**

**MULTIPLIERS**

ESCALATION @	(Rates Vary by Phase)		
OVERHEAD @	133.80%	(of Direct Labor + Escalation)	\$394,747.46
PAYROLL ADDITIVES @	48.30%	(of Direct Labor + Escalation)	\$142,498.52
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additive)	\$83,227.40
TOTAL MULTIPLIERS			<b>\$620,473.39</b>

**OTHER DIRECT COSTS**

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT

TOTAL ODC'S

**SUB CONSULTANT SERVICES**

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Geocon Consultants	\$1,648.00	\$3,373.09		\$5,021.09
David Evans and Associates, Inc.	\$1,231.00	\$2,587.29		\$3,818.29

TOTAL SUBCONSULTANT SERVICES      **\$8,839.38**

TOTAL      **\$924,340.77**



**FEE PROPOSAL WORKSHEET**

COMPANY: <b>Dokken Engineering</b>	SCOPE OF WORK: <b>PA&amp;ED</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Scott Road / I-215 - Amendment 3</b>	DATE: <b>August 19, 2016</b>	

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Pamela Dalcin-Walling	Project Manager	204	@	\$60.00	\$12,240.00
Chris Thomas	Project Engineer	189	@	\$55.00	\$10,395.00
Mike Greer	Roadway Designer	110	@	\$44.00	\$4,840.00
Charles Tornaci	Structures Designer	9	@	\$50.00	\$450.00
George Dunn	Senior Traffic Engineer	153	@	\$45.00	\$6,885.00
Staff	Senior Engineer			\$55.00	
Staff	Associate Engineer	120	@	\$40.00	\$4,800.00
Staff	Assistant Engineer	770	@	\$29.00	\$22,330.00
Namat Hosseinion	Environmental Manager	50	@	\$60.00	\$3,000.00
Staff	Senior Environmental Planner	20	@	\$47.00	\$940.00
Staff	Associate Environmental Planner	136	@	\$34.50	\$4,692.00
Staff	Environmental Planner / Biologist	538	@	\$28.00	\$15,064.00
Staff	Archaeologist / Environmental Planner	40	@	\$30.50	\$1,220.00
Staff	Engineering Technician			\$35.00	
		<b>TOTAL HOURS</b>	<b>2,339</b>	<b>% DIRECT LABOR</b>	<b>\$86,856.00</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	133.80%	(of Direct Labor + Escalation)	\$116,213.33
PAYROLL ADDITIVES @	48.30%	(of Direct Labor + Escalation)	\$41,951.45
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additive)	\$24,502.08
<b>TOTAL MULTIPLIERS</b>			<b>\$182,666.85</b>

**OTHER DIRECT COSTS**

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT

TOTAL ODC'S

**SUB CONSULTANT SERVICES**

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Geocon Consultants	\$1,648.00	\$3,373.09		\$5,021.09
David Evans and Associates, Inc.				

TOTAL SUBCONSULTANT SERVICES **\$5,021.09****TOTAL** **\$274,543.95**



COMPANY: <b>Dokken Engineering</b>	SCOPE OF WORK: <b>PS&amp;E</b>	PHASE: <b>Phase II</b>
PROJECT: <b>Scott Road / I-215 - Amendment 3</b>		DATE: <b>August 19, 2016</b>

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Pamela Dalcin-Walling	Project Manager	200	@	\$60.00	\$12,000.00
Chris Thomas	Project Engineer	388	@	\$55.00	\$21,340.00
Mike Greer	Roadway Designer	400	@	\$44.00	\$17,600.00
Charles Tornaci	Structures Designer	370	@	\$50.00	\$18,500.00
George Dunn	Senior Traffic Engineer			\$45.00	
Staff	Senior Engineer	506	@	\$55.00	\$27,830.00
Staff	Associate Engineer	864	@	\$40.00	\$34,560.00
Staff	Assistant Engineer	2,198	@	\$29.00	\$63,742.00
Namat Hosseinion	Environmental Manager			\$60.00	
Staff	Senior Environmental Planner			\$47.00	
Staff	Associate Environmental Planner			\$34.50	
Staff	Environmental Planner / Biologist			\$28.00	
Staff	Archaeologist / Environmental Planner			\$30.50	
Staff	Engineering Technician	360	@	\$35.00	\$12,600.00

ESCALATION @		(of Direct Labor)	
OVERHEAD @	133.80%	(of Direct Labor + Escalation)	\$278,534.14
PAYROLL ADDITIVES @	48.30%	(of Direct Labor + Escalation)	\$100,547.08
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additive:	\$58,725.32

[illegible]

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Geocon Consultants				
David Evans and Associates, Inc.	\$1,231.00	\$2,587.29		\$3,818.29

<b>TOTAL</b>	<b>\$649,796.82</b>
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MANHOUR WORKSHEET			
COMPANY:	SCOPE OF WORK:	PHASE:	
Dokken Engineering	Manhour Summary	All Phases	
PROJECT:		DATE:	
Scott Road / I-215 - Amendment 3		August 19, 2016	

TASK	PROJECT MANAGER	PROJECT ENGINEER	ROADWAY DESIGNER	STRUCTURES DESIGNER	SENIOR TRAFFIC ENGINEER	SENIOR ENGINEER	ASSOCIATE ENGINEER	ASSISTANT ENGINEER	SENIOR ENVIRONMENTAL MANAGER	ENVIRONMENTAL PLANNER	ASSOCIATE ENVIRONMENTAL PLANNER / BIOLOGIST	ENVIRONMENTAL PLANNER / BIOLOGIST	ARCHAEOLOGIST / ENVIRONMENTAL PLANNER	ENGINEERING TECHNICIAN	HOURS (Top & Bottom)
	\$186.19	\$170.67	\$136.54	\$155.16	\$139.64	\$170.67	\$124.12	\$89.99	\$186.19	\$145.85	\$107.06	\$86.89	\$94.64	\$108.61	
PHASE TOTALS	404	577	510	379	153	506	984	2,968	50	20	136	538	40	360	7,625
PHASE I	204	189	110	9	153		120	770	50	20	136	538	40		2,339
PHASE II	200	388	400	370		506	864	2,198					360	5,286	10,572
PHASE III															
PHASE IV															











MANHOUR WORKSHEET														
COMPANY: Dokken Engineering		SCOPE OF WORK: PS&E				PHASE: Phase II								
PROJECT: Scott Road / I-215 - Amendment 3		DATE: August 19, 2016												
TASK														
	PROJECT MANAGER	ROADWAY ENGINEER	STRUCTURES DESIGNER	SENIOR TRAFFIC ENGINEER	SENIOR ENGINEER	ASSOCIATE ENGINEER	ENVIRONMENTAL MANAGER	PLANNER	ASSOCIATE ENVIRONMENTAL PLANNER	ENVIRONMENTAL PLANNER / BIOLOGIST	ARCHAEOLOGIST / ENVIRONMENTAL PLANNER	ENGINEERING TECHNICIAN	COST	
	\$186.19	\$170.67	\$136.54	\$155.16	\$139.64	\$170.67	\$124.12	\$89.99	\$186.19	\$145.85	\$107.06	\$86.89	\$94.64	\$108.61
Total Manhours	200	388	400	370	506	864	2,198						360	5,286
1.0 Project Management														
1.2 Project Management – Phase 1 Improvements	100													
13.0 Roadway PS&E														
13.3 Roadway 95% PS&E – Phase 1 Improvements														
13.3.1 95% Plan Sheets	40	80	200		90	200	730						1,340	\$ 154,286
13.3.2 Roadway Special Provisions	8	20	40		70	130	440						708	\$ 78,043
13.3.3 Roadway Engineer's Estimate	8	20	20		30	70	230						378	\$ 42,140
13.3.4 Drainage Report Addendum	8				14	30	150						202	\$ 21,101
13.3.5 Updated Storm Water Data Report (SWDR)	8				4		48						60	\$ 6,492
13.3.6 Updated Storm Water Pollution Prevention Plan (SWPPP)	4				8		60						72	\$ 7,510
13.3.7 Updated Traffic Management Plan (TMP)		20	10		20	20	40						110	\$ 14,274
14.0 Structures PS&E														
14.5 Structures Update - Phase 1 Improvements														
14.5.1 Type Selection/APS	4			50		20	20						30	124 \$ 17,595
14.5.2 65% Structures Unchecked Details	4		120		60	30							110	324 \$ 45,212
14.5.3 90% Structures Initial PS&E	4		90		45	20							75	234 \$ 32,955
14.5.4 95% Structures Checked Details	4		70		25	10							70	179 \$ 24,654
14.5.5 100% Structures Final PS&E	4		40		20	10							75	149 \$ 19,689
15.0 District PS&E														
15.2 District 100% PS&E – Phase 1 Improvements	10	80	130		100	100	300						720	\$ 89,742
16.0 Coordinate Utilities														
16.4 Utility Coordination – Phase 1 Improvements														
16.4.1 Utility Meetings	4	60				60							124	\$ 18,432
16.4.2 Utility Conflict Resolution		24				60	40						124	\$ 15,143
16.4.3 Update Reports of Investigation	2	16					40						58	\$ 6,703
16.4.4 Utility Agreements	4	16				40	40						100	\$ 12,040
16.4.5 Encroachment Exception Package	4	16				40	40						100	\$ 12,040
16.4.6 Notice to Owners		8				8	16						32	\$ 3,798
16.4.7 Right of Way Certification		8				16	24						48	\$ 5,511







August 18, 2016











August 3, 2016







COMPANY:	SCOPE OF WORK	PHASE:
<b>David Evans and Associates, Inc.</b>	<b>Planting/Irrigation Plans</b>	<b>All Phases</b>
PROJECT:	DATE:	
<b>Scott Road / I-215 - Amendment 3</b>	<b>August 3, 2016</b>	

	\$	192.31	\$	131.83	\$	110.11
100%						
90%						
80%						
70%						
60%						
50%						
40%						
30%						
20%						
10%						
0%						

PHASE I	2	6	24	32
PHASE II				
PHASE III				
PHASE IV				







Company: Dokken Engineering

Project: Scott Road / I-215 – Amendment 3

MAXIMUM HOURLY RATE SCHEDULE	
POSITION OF CLASSIFICATION	MAXIMUM HOURLY RATE
Project Manager	\$ 65.00
Project Engineer	\$ 65.00
Principal-in-Charge	\$ 70.00
QA/QC Engineer	\$ 65.00
Roadway Designer	\$ 55.00
Structures Designer	\$ 55.00
Electrical Designer	\$ 55.00
Drainage Designer	\$ 55.00
Senior Traffic Engineer	\$ 50.00
Senior Engineer	\$ 65.00
Associate Engineer	\$ 50.00
Assistant Engineer	\$ 35.00
Environmental Manager	\$ 65.00
Senior Environmental Planner	\$ 55.00
Associate Environmental Planner	\$ 36.00
Environmental Planner / Biologist	\$ 30.00
Archaeologist / Environmental Planner	\$ 32.00
Senior CAD / CAD Manager	\$ 55.00
Engineering Technician / CAD Technician	\$ 35.00
Land Surveyor	\$ 60.00



**PHASE 1 PROJECT  
SCOTT RD /I-215**

