

**FOURTH AMENDMENT TO AGREEMENT
FOR PROFESSIONAL CONSULTANT SERVICES
SR-60/THEODORE STREET INTERCHANGE IMPROVEMENTS
PROJECT NO. 801 0052 70 77**

This Fourth Amendment to Agreement is by and between the CITY of MORENO VALLEY, a municipal corporation, hereinafter referred to as "City," and **Michael Baker International Inc**, a Pennsylvania corporation, hereinafter referred to as "Consultant." This Fourth Amendment to Agreement is made and entered into effective on the date the City signs this Amendment.

RECITALS:

Whereas, the City and Consultant entered into an Agreement entitled "AGREEMENT for PROFESSIONAL CONSULTANT SERVICES," hereinafter referred to as "Agreement," dated July 15, 2013.

Whereas, the Consultant is providing consultant Project Approval and Environmental Documentation Services for **STATE ROUTE 60/THEODORE STREET INTERCHANGE IMPROVEMENTS**.

Whereas, the Agreement was amended to expand the scope of the work to be performed by the Consultant in the First Amendment and is incorporated herein by this reference.

Whereas, the Agreement was amended to include supplemental conditions required per Caltrans as is more particularly described in Section 1 of the Second Amendment and is incorporated herein by this reference.

Whereas, the Agreement was amended to extend the termination date from December 31, 2017 to December 31, 2020 in the Third Amendment and is incorporated herein by this reference.

**AMENDMENT TO AGREEMENT FOR
PROFESSIONAL CONSULTANT SERVICES
PROJECT NO. 801 0052 70 77**

SECTION 1 AMENDMENT TO ORIGINAL AGREEMENT:

1.1 The Agreement termination date of **December 31, 2020** is not extended by this Amendment.

1.2 The total "Not to Exceed" fee for this contract is \$3,315,222.36 (\$1,750,183.00 for the original Agreement plus \$535,012.00 for the First Amendment, \$0 for the Second Amendment, \$0 for the Third Amendment, and \$1,030,027.36 for the Fourth Amendment).

1.3 Exhibit "B" (Scope of Services) to the Original Agreement is hereby amended by adding to the scope of work section described in Exhibit "A".

1.4 The City agrees to pay the Consultant and the Consultant agrees to receive a "Not-to-Exceed" fee of **\$3,315,220.36** in accordance with the payment terms provided in Exhibit "D", attached hereto and incorporated herein by this reference.

1.5 The Agreement is hereby amended by adding the supplemental conditions described in "Exhibit A" – Second Amendment," entitled "City of Moreno Valley Caltrans Consultant Supplementary General Conditions" described in Exhibit G.

SECTION 2

2.1 Except as otherwise specifically provided in this Amendment, all other terms and conditions of the Agreement shall remain in full force and effect.

SIGNATURE PAGE TO FOLLOW

**AMENDMENT TO AGREEMENT FOR
PROFESSIONAL CONSULTANT SERVICES
PROJECT NO. 801 0052 70 77**

IN WITNESS HEREOF, the parties have each caused their authorized representative to execute this Agreement.

City of Moreno Valley

Michael Baker International Inc.

BY: _____
Thomas M. DeSantis, City Manager

BY: _____

TITLE: _____
(President or Vice President)

Date

Date

<u>INTERNAL USE ONLY</u>
APPROVED AS TO LEGAL FORM:
_____ City Attorney
_____ Date
RECOMMENDED FOR APPROVAL:
Public Works Director/City Engineer
_____ Date

BY: _____

TITLE: _____
(Corporate Secretary)

Date

EXHIBIT A

Michael Baker

We Make a Difference

I N T E R N A T I O N A L

January 17, 2018

Ms. Margery Lazarus, P.E.
City of Moreno Valley
Capital Projects Division
14177 Frederick Street
Moreno Valley, CA 92553

Subject: Contract Amendment No. 4 for Professional Consultant Services for the State Route 60/Theodore Street Interchange Improvements Project No. 801 0052 70 77

Dear Ms. Margery Lazarus:

The City of Moreno Valley recently revised the scope of the SR-60/Theodore Street Interchange Improvement Project (Project) No. 801 0052 70 77. The Project is in the Project Approval and Environmental Document (PA/ED) phase of the Caltrans project development process to reconstruct the interchange. The Project is currently evaluating two (2) build alternatives (Alternative 2 and Alternative 6) and a no-build alternative. The revised scope includes the following three (3) new project features: Eucalyptus Avenue re-alignment as design variations, and updated traffic analysis, and the inclusion of a mandatory borrow site.

Eucalyptus Avenue Re-Alignment Description: It is proposed to shift the intersection of Theodore Street and Eucalyptus Avenue south by approximately 900-ft. The shift would re-align Eucalyptus Avenue for approximately 2,500-ft west of Theodore Street. The re-alignment would be carried forward as a design variation for both build alternatives (Alternative 2 and Alternative 6). It was concurred by Caltrans that a design variation would not need to be selected at the time a preferred alternative is selected, allowing for flexibility throughout PA/ED.

Eucalyptus Avenue Re-Alignment Benefit: The re-alignment of Eucalyptus Avenue will provide the project with several benefits: reduce the vertical distance between the proposed roadway and the existing roadway, reduce the amount of import material, allow for a smoother profile at each intersection, reduce the complexity of the utility relocations, allow the team to compare the re-alignment design variation to the alternative with the original geometry, allow for greater distance between intersections, and reduce approach speeds from Eucalyptus Avenue. These benefits would improve safety, and would streamline approvals leading to time savings. Approximately \$500,000 of savings is predicted in import material, and additional analysis will be completed to identify the construction costs savings and right of way savings associated with the Eucalyptus Avenue re-alignment.

Updated Traffic Analysis Description: The original Traffic Impact Assessment (TIA) was approved in February 2015, however, additional information has developed within the last few years. The additional information and developments result in the need for an update traffic analysis. The original TIA analyzed six (6) build alternatives. At the time of the initiation and approval of the TIA, the Moreno Highland Specific Plan (MHSP) was the current land use designation, and the World Logistics Center (WLC) Specific Plan was in the planning phase. As such, land use assumptions from the WLC Specific Plan were included in the TIA as a sensitivity analysis in addition to the land use assumptions for the MHSP. Furthermore, at the time of the initiation and approval of the TIA, the background assumptions from the SCAG 2012 RTP/SCS were most current, but have since been superseded with the 2016 RTP/SCS. The original TIA evaluated the existing year (2013), opening year (2020), and horizon year (2040). Traffic counts for the

I N T E R N A T I O N A L

original TIA were collected in early 2013, and are considered accurate for approximately three-years from the date of data collection. Additionally, it is general Caltrans policy that the opening year forecasts, and the 20-year horizon year remain consistent with the project schedule. The traffic analysis will be re-evaluated in an updated TIA to update the opening year to 2025 and the horizon year to 2045. As a result, additional counts were conducted in 2017 in preparation of updating the TIA. The updated TIA will also use the background assumptions from the SCAG 2016 RTP/SCS, thereby complying to CEQA requirement. The updated TIA will take advantage of several efficiencies. Most notably, the MHSP no longer needs to be evaluated because the WLC Specific Plan has been approved and replaces the MHSP land use designations. Additionally, the updated TIA will focus on the two (2) build alternatives as selected by the Project Development Team (PDT) to be evaluated in PA/ED, which eliminates the need for analysis of the other four (4) build alternatives. Furthermore, the design variations associated with the Eucalyptus Avenue re-alignment will use the same turning movements as the original alternative configuration, and therefore do not need to be studied as separate alternatives in the updated TIA.

Updated Traffic Analysis Benefit: An updated TIA will provide the Project with several benefits: update to CEQA requirements by including background assumptions from the 2016 RTP/SCS, include current traffic counts that account for changes in nearby development, reduce the number of build alternatives analyzed to be consistent with the PDT decisions, remove the MHSP land use assumptions, and provide consistency with the updated project schedule to support the environmental and engineering technical studies for PA/ED approval. The efficiencies planned for the updated TIA will streamline future reviews, and achieve approvals faster than the original TIA.

Mandatory Borrow Site Description: Due to the existing vertical constraints at the interchange, the Project proposes to raise Theodore Street. The largest vertical difference between the existing roadbed and the proposed profile is 30-ft. This vertical difference results in the need for approximately 1.5 million cubic yards of import material. The Riverside County Department of Waste Resources manages the Badlands Landfill, located approximately 1.5 miles north of the Project site. The Badlands Landfill has plans to expand their facility, and to do so, they have excess dirt (undisturbed material) in need of removal. The Riverside County Department of Waste Resources is currently environmentally clearing their facility for expansion, and is almost done with their associated environmental studies. The studies include a Jurisdictional Delineation, biological studies, coordination with resource agencies and the Regional Conservation Authority, and a Determination of Biologically Equivalence or Superior Preservation (DBESP). The Riverside County Department of Waste Resources plans to have CEQA environmental clearance for their facility expansion prior to CEQA and NEPA environmental clearance of the Proposed project.

Additionally, initial coordination with the Riverside County Department of Waste Resources confirmed they have the quantity of material required for the proposed Project (1.5 million cubic yards of dirt), and offered the dirt to the City of Moreno Valley at no cost for the material. There are costs associated with designating a mandatory borrow site and hauling the dirt that will be evaluated during PA/ED. As a result, the City of Moreno Valley plans to establish a mandatory borrow site for the proposed Project. It is assumed that the environmental clearance for the dirt excavated will be accomplished by the Riverside County Department of Waste Resources CEQA environmental clearance, anticipated for late-2019. It is anticipated that the inclusion of a mandatory borrow site for the proposed Project involves addressing the haul route and location of the mandatory borrow site in the Project description, and updating all technical studies to account for the removal and transport of fill material via the haul route. Additionally, the project team will further understand and confirm the costs associated with hauling the dirt from the Badlands Landfill to the Project site, as well as the maintenance costs required per the request of Riverside County Department of Waste Resources. Several focus meetings, field surveys,

I N T E R N A T I O N A L

materials testing, temporary construction easements, haul route paving, public outreach, report revisions, Surface Mining and Reclamation Act (SMARA) compliance/exclusion confirmation, and inclusion in the environmental document is anticipated as part of this level of effort. It is assumed that SMARA compliance/exclusion would be deferred to final design. The level of effort and costs associated to identify a mandatory borrow site are included in the attached scope and fee.

Mandatory Borrow Site Benefit: Inclusion of a mandatory borrow site will provide the Project with several benefits: lower construction costs by approximately \$7 million, potential reductions in air quality, potential reductions in construction duration, and mutual support between Riverside County Department of Waste Resources and the City of Moreno Valley. Additionally, utilizing Riverside County Department of Waste Resources' environmental clearance will result in substantial time and resource savings for the Project.

In response to the revised scope of the project, Michael Baker International (Michael Baker) has developed the attached scope of work to complete the PA/ED phase of the Project with the abovementioned project features. The attached fees were developed to identify the costs associated with the project features. One scope and fee was prepared for the Eucalyptus Avenue realignment (and includes the updated TIA) and one scope and fee was prepared for inclusion of the mandatory borrow site.

Notes associated with the Contract Amendment No. 4 are as follows:

- There are efficiencies when the project features are incorporated concurrently. Therefore, if one project feature does not advance entirely through PA/ED, the scope and fees attached will be revised.
- If all project features are not incorporated into the project concurrently, a separate scope and fee will be prepared to cover items that have either expired, or are required, for PA/ED.
- In general, tasks that are associated with both design features were split 80% (Eucalyptus Avenue re-alignment) and 20% (mandatory borrow site) on the attached scope and fees.
- Amendment No 4 proposes to re-allocate funds that were initially designated for PS&E (as established in Amendment No. 1). Re-allocated tasks are identified in the attached scopes.
- The attached scope and fees account for the growth of project footprint. The original contract identified nine (9) affected parcels. As the geometrics developed, the parcel count increased to 76.
- The project was placed on hold beginning in May 2016. At that time, approximately half of the technical studies were approved. The other half of the technical studies were under review, and within three months, all outstanding comments were received on the technical studies. The comments and the un-approved studies were then placed on hold.
- The following changes related to nearby development, existing conditions, or standards have occurred since the original project contract was executed:
 - ALDI opens their western regional headquarters and distribution center (2015)
 - The Theodore Street overcrossing structure was stuck by an excavator resulting in the closure of Theodore Street (January 2015)
 - The PSR-PDS for SR-60/Redlands Boulevard was approved (June 2015)
 - World Logistics Center was approved (August 2015)
 - Highland Fairview Skechers Retail Store Expansion Project construction (late-2015)
 - SCAG approved the 2016 Regional Transportation Plan/Sustainable Communities Strategy (April 2016)
 - Caltrans completed an SR-60 Feasibility Study (Spring 2016)

INTERNATIONAL

- Caltrans updated the Highway Design Manual (December 2016 and November 2017)
- Caltrans updated the IS/EA Annotated Outline (August 2017)
- The SR-60 Truck Climbing Lanes project completed the environmental document (June 2017)
- SR-60/Theodore Street Interchange on TUMF Network (indicating the interchange is eligible for future funds) (July 2017)
- Caltrans updated the CEQA Checklist (August 2017)
- Caltrans updated the CE/CE Form (September 2017)
- Completed three rounds of federal grant requests (FASTLANE and INFRA Grants) (October 2017)
- Highland Fairview Corporate Park Phase II – Skechers Expansion Project design initiated (Fall 2017)
- US Census Bureau updated the 2012-2016 American Community Survey data set (December 2017)
- Additional updated environmental templates on the SER website (varies)
- For project history, the following original contract and amendments have been executed:
 - Original project contract – July 2013
 - Amendment #1 - May 2014
 - Amendment #2 - October 2016
 - Amendment #3 - December 2017 (Time extension)

Amendment #2 proposed minor adjustments to the milestone schedule to comply with Caltrans requirements for invoicing. To be consistent with Amendment #2, it is proposed that the following adjustments are made to more accurately align tasks with milestones.

- Move Task 1.9 (Construction Phasing Plan) from Milestone 1.1 (Support for Draft Project Report) to Milestone 2.0 (Preliminary Engineering Studies)
- Separate Milestone 4.0 (Prepare and Circulate Draft Environmental Document) into 4.0 (Support for Draft Environmental Document) and 4.1 (Circulate Draft Environmental Document)

Amendment No 4:

Eucalyptus Ave re-alignment	\$ 1,096,508
Update Traffic Impact Assessment	\$ 165,517
Mandatory Borrow Site	\$ 127,190
Re-allocation of existing contract budget	\$ -359,008
Total Request for Amendment No 4	\$ 1,030,207

Please feel free to call me if you have any questions.

Respectfully,

Rebecca M. Young, PE

Project Manager / Associate

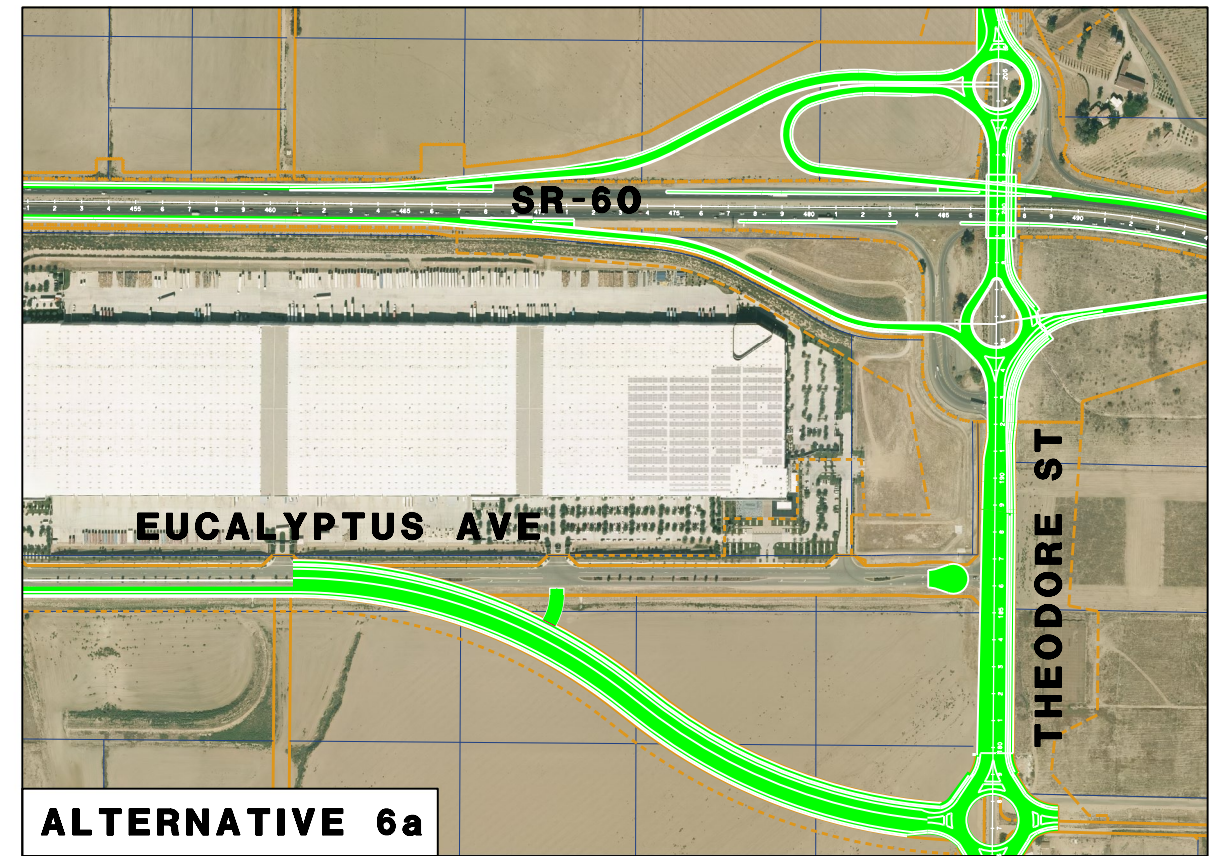
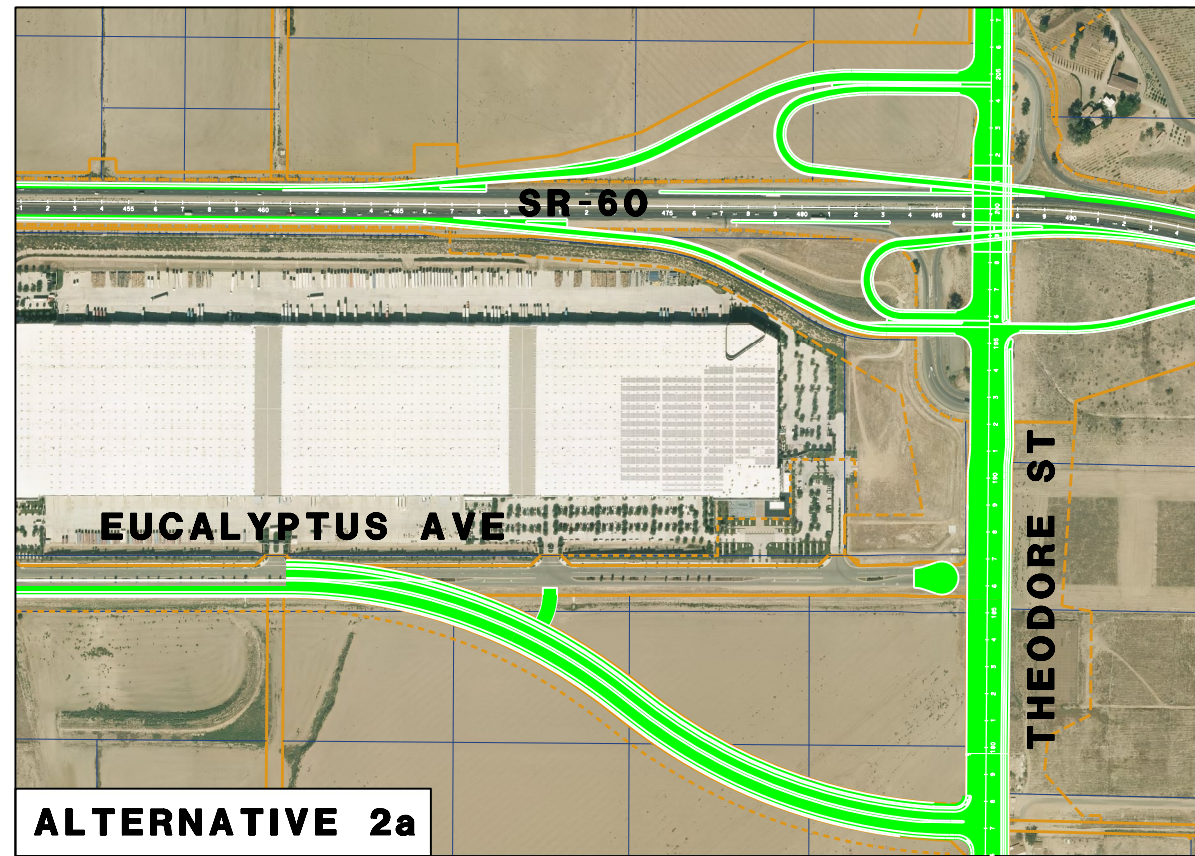
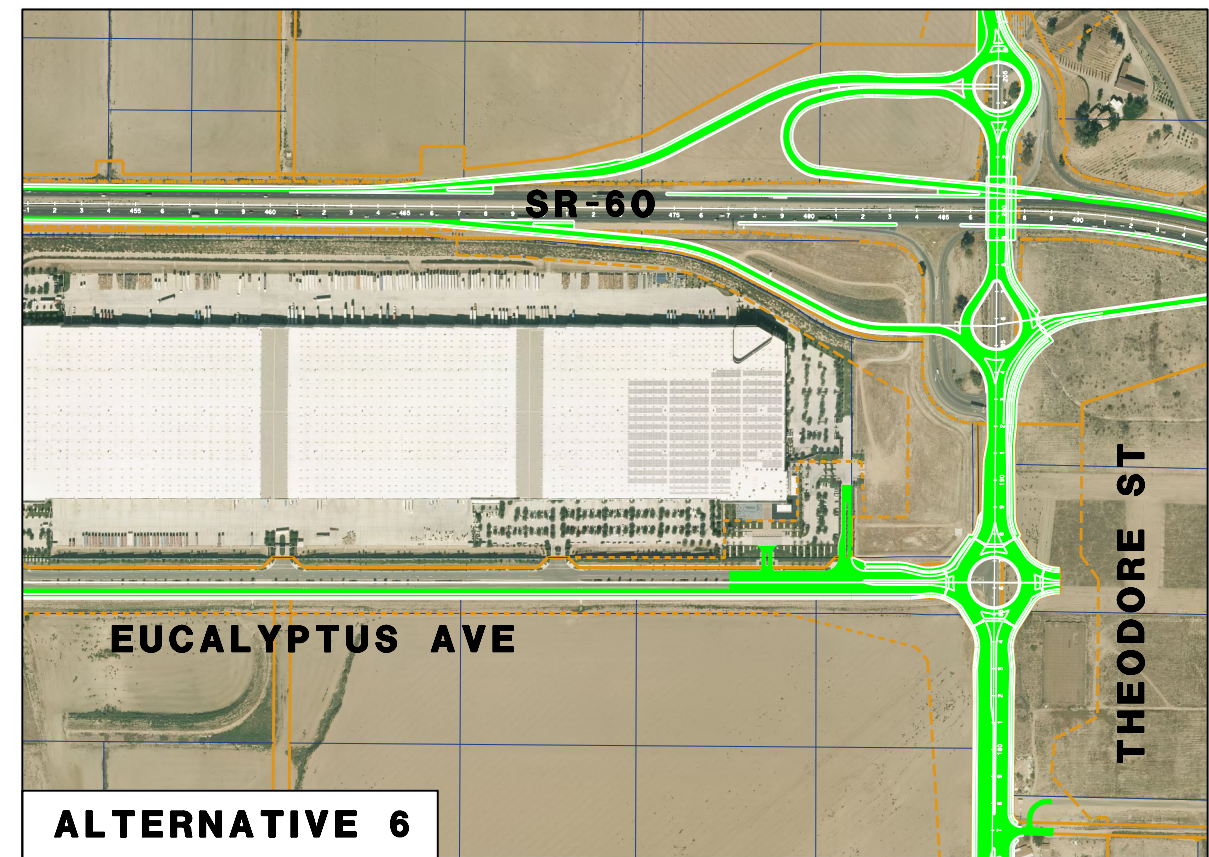
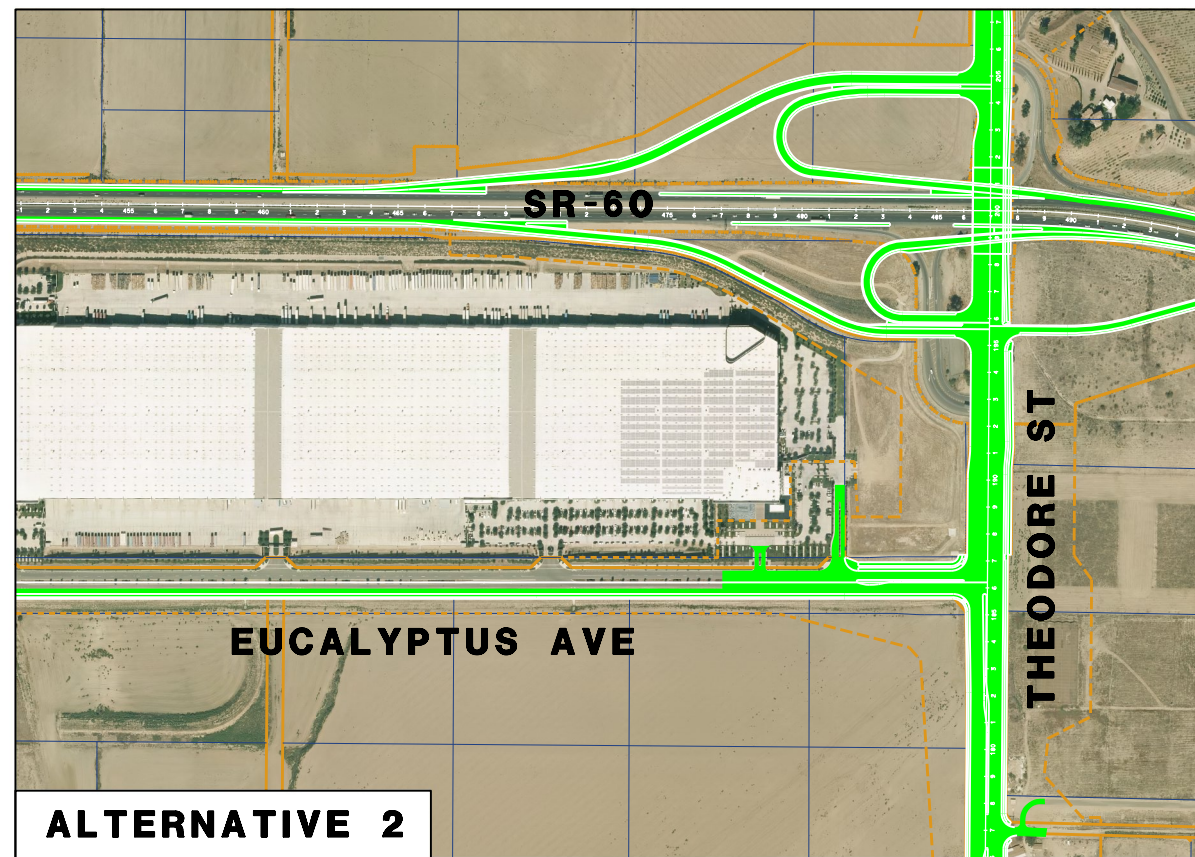
909/974-4976 | ryoung@mbakerintl.com

Darin Johnson, PE

Principal / Vice President

909/974-4927 | DARINJ@mbakerintl.com

List Attachments: Alternative and Design Variation Exhibit
Amendment No 4a Cost Proposal and Scope of Work for Eucalyptus Avenue Re-alignment
Amendment No 4b Cost Proposal and Scope of Work for Mandatory Borrow Site
Amendment No 4 Subconsultant's Scope of Work and Fee



NOTE: FOR DISCUSSION PURPOSES ONLY.
LINEWORK IS ASSUMED UNTIL FURTHER STUDIED.

SR-60/THEODORE STREET INTERCHANGE PROJECT

**DESIGN VARIATIONS
JULY 2016**

NO SCALE



ESTIMATED HOURS AND FEE AMENDMENT No. 4a
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY
EUCALYPTUS REALIGNMENT AND TRAFFIC IMPACT ANALYSIS
Michael Baker International

Task Description			Total Estimate Fee (Amendment No. 4a)
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT			
1.0C	Draft Project Report Approved by Caltrans		\$ 272,397
	1.1C	Task Management and Meetings	\$ 15,585
	1.2C	Project Scoping	\$ 23,810
	1.3C	Project Scheduling	\$ 9,644
	1.4C	Project Funding Support	\$ -
	1.5C	Geometric Alternatives Analysis	\$ 34,522
	1.6C	Traffic Analysis and Study	\$ 165,517
	1.7C	Obtain Right of Entry	\$ 6,549
	1.8C	Selection of Locally Preferred Alternative	\$ -
	1.9C	Construction Phasing Plan	\$ 11,058
	1.10C	Draft Project Report	\$ 5,713
2.0C	Preliminary Engineering Studies Approved by Caltrans		\$ 379,918
	2.1C	Task Management and Meetings	\$ 20,280
	2.2C	Geometric Plans for Project Alternatives	\$ 145,600
	2.3C	Drainage Assessment	\$ 42,524
	2.4C	Storm Water Data Report	\$ 29,112
	2.5C	Conceptual Stage Construction Plan	\$ -
	2.6C	Preliminary Transportation Management Plan Data Sheet	\$ 6,201
	2.7C	Utility Assessment	\$ 17,374
	2.8C	Right of Way Data Sheets	\$ 12,271
	2.9C	Life Cycle Cost Analysis	\$ 21,971
	2.10C	Preliminary Geotechnical Investigations and Evaluation	\$ 56,072
	2.14C	Preliminary Cost Estimates	\$ 13,864
	2.15C	ICE Workshop	\$ 14,648
3.0C	Fact Sheets for Exceptions to Design Standards Approved by Caltrans		\$ -
4.0C	Prepare and Circulate Draft Environmental Document		\$ 391,864
	4.1C	Task Management and Meetings	\$ 61,046
	4.2C	Area of Potential Effects (APE) Map	\$ 29,038
	4.3C	Water Quality Assessment Report (WQAR)	\$ 6,700
	4.4C	Noise Study Report	\$ 28,708
	4.5C	Noise Abatement Decision Report (NADR)	\$ 14,370
	4.6C	Visual Impact Assessment (VIA)	\$ 22,988
	4.7C	Farmland Technical Memorandum	\$ 4,121
	4.8C	Draft Relocation Impact Statement (DRIS)	\$ 3,031
	4.9C	Air Quality Analysis Report (AQA)	\$ 13,689
	4.10C	Paleontological Identification/Paleontological Eval Rpt (PIR/PER)	\$ 3,826
	4.11C	Archaeological Survey Report (ASR)/HPSR/HER	\$ 38,134
	4.13C	Natural Environment Study (NES)	\$ 22,764
	4.14C	CE/CE for Geotech Borings	\$ 21,803
	4.15C	Screencheck Draft IS/EA	\$ 52,776
	4.16C	Draft IS/EA	\$ 25,420
	4.17C	Obtain Approval to Circulate	\$ -
	4.18C	Circulate Draft IS/EA	\$ -
	4.19C	Community Impacts Assessment	\$ 43,450

ESTIMATED HOURS AND FEE AMENDMENT No. 4a
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY
EUCALYPTUS REALIGNMENT AND TRAFFIC IMPACT ANALYSIS
Michael Baker International

Task Description		Total Estimate Fee (Amendment No. 4a)
5.0C	Public Meetings and Outreach Conducted	\$ 17,990
	5.1C Public Outreach Support and Public Meetings	\$ 17,990
6.0C	Prepare Final Env Document, Final Project Report and Obtain Env Clr	\$ 20,751
	6.1C Task Management and Meetings	\$ 11,906
	6.2C Prepare Response to Comments Matrix	\$ 6,721
	6.3C Select Preferred Project Alternative	\$ 1,442
	6.5C Final Environmental Document	\$ 681
7.0C	Environmental Mitigation Negotiation and Permitting Complete	\$ -
8.0C	Geometric Approval Drawings Complete and Approved by Caltrans	\$ 24,958
	8.1C Geometric Approval Drawings	\$ 24,958
9.0C	Design Mapping and Surveys Complete Approved by Caltrans	\$ -
	9.1C Photogrammetric Surveys	\$ -
	9.2C Preliminary Right of Way Mapping	\$ -
	9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey	\$ -
10.0C	Other Services Directed by the City	\$ -
10.1C	Update Federal Funding Documentation	\$ -
10.2C	FASTLANE Funding Documentation	\$ -
12.0C	65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E	\$ -
15.0C	Right of Way Legal/Plats and Appraisal Maps Complete	\$ -
OTHER DIRECT COSTS FOR PHASE 1C		\$ 154,146
	C Reproduction & Mileage	\$ 102,746
	C Other Direct Costs	\$ 51,400
PHASE 1 SUBTOTAL:		\$ 1,262,025

SR-60/Theodore Street Interchange Improvement Project

Project Approval and Environmental Document Phase

Scope of Work Amendment No. 4a

Design Variations for Eucalyptus Avenue Re-Alignment and Traffic Update

January 2018

PHASE 1C – PROJECT REPORT AND ENVIRONMENTAL DOCUMENT	1
1.0C Draft Project Report Approved by Caltrans	1
1.1C Task Management and Meetings.....	1
1.2C Project Scoping	1
1.3C Project Scheduling	2
1.5C Geometric Alternatives Analysis	2
1.6C Traffic Analysis and Study	2
1.7C Obtain Right of Entries.....	4
1.8C Selection of Locally Preferred Alternative	4
1.9C Construction Phasing Plan	4
1.10C Draft Project Report.....	5
2.0C Preliminary Engineering Studies Approved by Caltrans	5
2.1C Task Management and Meetings.....	5
2.2C Geometric Plans for Project Alternatives.....	5
2.3C Drainage Assessment.....	7
2.4C Storm Water Data Report	7
2.6C Preliminary Transportation Management Plan Data Sheet.....	7
2.7C Utility Assessment.....	8
2.8C Right of Way Data Sheets.....	8
2.9C Life Cycle Cost Analysis	8
2.10C Preliminary Geotechnical Investigations and Evaluation.....	8
2.14C Preliminary Cost Estimates	9
2.15C Intersection Control Evaluation	9
4.0C Prepare and Circulate Draft Environmental Document.....	10
4.1C Task Management and Meetings.....	10
4.2C Area of Potential Effects (APE) Map	10
4.3C Water Quality Assessment Report (WQAR).....	10
4.4C Noise Study Report	10
4.5C Noise Abatement Decision Report (NADR).....	10
4.6C Visual Impact Assessment (VIA).....	11
4.7C Farmland Technical Memorandum.....	11
4.8C Draft Relocation Impact Statement (DRIS)	11
4.9C Air Quality Analysis Report (AQA).....	11
4.10C Paleontological Identification Report and Paleontological Evaluation Report (PIR/PER)	11
4.11C Archaeological Survey Report (ASR)/Historical Property Survey Report (HPSR)/Historical Evaluation Report (HER).....	11
4.12C Jurisdictional Delineation Report.....	12
4.13C Natural Environment Study (NES).....	12
4.14C Categorical Exemption/Categorical Exclusion for Geotechnical Borings.....	12
4.15C Screencheck Draft IS/EA.....	15
4.16C Draft Initial Study (IS) / Environmental Assessment (EA)	15
4.17C Obtain Approval to Circulate	15
4.19C Community Impacts Assessment (CIA)	15
5.0C Public Meetings and Outreach Conducted	15

5.1C	Public Outreach Support and Public Meetings	15
6.0C	Prepare Final Environmental Document, Final Project Report and Obtain Environmental Clearance	15
6.1C	Task Management and Meetings.....	16
8.1C	Geometric Approval Drawings.....	16
12.0C	65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E	16
12.3C	Landscape and Aesthetic Plan.....	16
12.4C	Bridge Site Data Submittal	16
12.5C	Bridge Type Selection.....	16
12.6C	Storm Water Data Report	16
12.7C	Drainage Report	16
12.8C	Transportation Management Plan Data Sheet	17
12.9C	Geotechnical Design and Reports	17
15.0C	Right of Way Legal / Plats and Appraisal Maps Complete.....	17

SR-60/Theodore Street Interchange Improvement Project

Project Approval and Environmental Document Phase

Scope of Work Amendment No. 4a

Design Variations for Eucalyptus Avenue Re-Alignment and Traffic Update

January 2018

PHASE 1C – PROJECT REPORT AND ENVIRONMENTAL DOCUMENT

The scope of work below supplements the original Contract Project No. 801 0052 70 77 (Phase 1/1A) dated July 16, 2013, Amendment No. 1 (Phase 1B) dated May 19, 2014, and Amendment No. 2 dated August 25, 2016. The scope of work below outlines the tasks necessary to complete PA/ED for the SR-60/Theodore Street Interchange improvement project for Michael Baker International and its consultants (CONSULTANT). The tasks contained in this scope of work outline tasks associated with the following project revision:

Eucalyptus Avenue Design Variations: Based on the project vertical profile and roadway circulation, Eucalyptus Avenue may be re-aligned to join Theodore Street approximately 900-feet south of its current location. Based on discussions with the City of Moreno Valley (CITY) and the California Department of Transportation (CALTRANS), it is assumed the re-alignment of Eucalyptus Avenue will be documented as a Design Variation, and not a separate alternative. As a result, Design Variations for each build alternative are to be included in the proposed project, and will be identified as Alternative 2a and Alternative 6a. For reference, Alternative 2 and Alternative 6 were chosen as the build alternatives by the PDT (on January 6, 2015) for study throughout PA/ED. It is assumed that a Design Variation does not need to be selected or rejected at the same time a preferred alternative is selected (Based on preliminary discussion at a PDT meeting on June 7, 2016). It is assumed that a Design Variation can be accepted or rejected after the PA/ED phase.

1.0C Draft Project Report Approved by Caltrans

1.1C Task Management and Meetings

It is anticipated that two (2) focused meetings will be scheduled with the CITY and Caltrans. CONSULTANT will attend and participate in two (2) monthly PDT meetings and two (2) monthly City Trend meetings. It is assumed that developers will be invited to the monthly City Trend meetings, and that separate meetings outside the monthly PDT meetings or City Trend meetings are not anticipated.

Deliverables:

- Attend an additional two (2) PDT meetings, prepare meeting minutes
- Attend two (2) City Trend meetings, prepare meeting minutes
- Attendance at two (2) Caltrans focused meetings

1.2C Project Scoping

CONSULTANT will coordinate and attend two (2) project scoping meetings with the CITY and CALTRANS. The purposes of the project scoping meetings are to understand the CITY's intent and to introduce the project changes to CALTRANS. CONSULTANT will prepare materials for the meetings and document correspondences with the CITY, and CALTRANS.

Environmental and Engineering scoping matrices will be developed. The scoping matrices will identify the necessary revisions to technical studies as a result of the

Eucalyptus Avenue Design Variations. The scoping matrices will be reviewed by the CITY and CALTRANS.

Deliverables:

- Environmental Scoping Matrix
- Engineering Scoping Matrix
- Attend two (2) project scoping meetings

1.3C Project Scheduling

CONSULTANT will update the project schedule and attend one (1) project scheduling meeting with the CITY and CALTRANS.

1.5C Geometric Alternatives Analysis

CONSULTANT will prepare preliminary horizontal geometrics for two (2) additional Design Variations. The following two (2) Design Variations will be evaluated, and preliminary horizontals will be developed:

- Design Variation 2a – Modified Partial Cloverleaf Interchange with the intersection of Eucalyptus Avenue and Theodore Street located approximately 900-feet south of its current location
- Design Variation 6a – Modified Partial Cloverleaf Interchange with Roundabouts with the intersection of Eucalyptus Avenue and Theodore Street located approximately 900-feet south of its current location

Deliverable:

- Preliminary horizontal geometrics for Design Variation 2a
- Preliminary horizontal geometrics for Design Variation 6a

1.6C Traffic Analysis and Study

Ramp and Interchange Closure Study

CONSULTANT will update the Ramp Closure Study and Interchange Closure Study based on the revised project description, and updated project exhibits. The studies will evaluate the benefit and differences between the alternatives and design variations. The deliverable will include information required to be presented to the Headquarters Lane Closure Review Committee Review, which includes Conceptual Construction Staging Exhibits (prepared as part of Task 2.5C), the Transportation Management Plan (prepared as part of Task 2.6C), the Lane Closure Request Form and Traffic Signal Warrant Worksheets. Participation and attendance at a Lane Closure Review Committee meeting is anticipated prior to approval of the interchange closure.

Forecast Validation Technical Memorandum

CONSULTANT will prepare a Forecast Validation Memorandum that will evaluate the traffic forecast data to determine if the 2013 existing conditions data approved in the approved Traffic Impact Analysis can be considered representative of current (2017) existing conditions, and if the 2017 Opening Year forecasts approved in the approved Traffic Impact Analysis can be considered as representative of 2025 Opening Year conditions. Linear extrapolation will be used to analyze the current volumes. Additional

counts will be obtained for the same locations as described in the approved Traffic Impact Analysis study for the Forecast Validation Technical Memorandum. Results of the Forecast Validation Technical Memorandum indicate that new forecasts are required based on the updated traffic counts and updates to the regional model. The new traffic forecasts and Traffic Impact Analysis Report is described below.

New VISSIM analysis for design variations 2a and 6a are excluded from this scope of work.

Traffic Impact Analysis Report

As per the analysis in the above task (Forecast Validation Technical Memorandum), CONSULTANT will update the traffic analysis and update the Traffic Impact Analysis report for the SR-60/Theodore Interchange in conformance with Caltrans guidelines that will cover the same intersections, freeway sections and ramps as analyzed in the previously approve TIA. The opening date of the SR-60/Theodore Interchange is being shifted from 2022 to 2025, and the horizon/design year shifted from 2040 to 2045. The study years will therefore be 2017, 2025, and 2045.

While the previous analysis was a suitable basis for selecting from various design alternatives, it cannot also be used for completion of the environmental compliance documentation because:

- A comparison of 2017 traffic counts to 2013 counts in the vicinity of the project (performed as part of task 1.6C (2) above) found that the percentage changes in volumes exceeded the 10% threshold within which an “Existing Conditions” analysis can be considered to remain valid.
- CEQA requires that the background assumptions for future-year scenarios be based either on an adopted plan or be based on a list of existing, known, or reasonably foreseeable projects. The earlier analysis used background assumptions from the SCAG 2012 RTP/SCS, which is no longer an adopted plan (since it has been superseded by the 2016 RTP/SCS). Hence, the passage of time has also rendered the previous future conditions analyses unusable for CEQA purposes.

Re-doing the entire previous traffic study is not required because:

- The original traffic impact analysis used two sets of land use and road network assumptions, namely those associated with the Moreno Highlands Specific Plan and those associated with the World Logistics Center, which at the time was under study but not yet adopted. Now that the World Logistics Center has been approved by the City, no further analysis of the Moreno Highlands Specific Plan will be needed. Thus, only one set of traffic forecasts, based on the World Logistics Center, will be used going forward.
- Of the seven build alternatives studied in the original traffic impact analysis only Alternative 2 and Alternative 6 remains under consideration. No further analysis will be needed of the other four build alternatives. Furthermore, any design variations, such as different configurations for the Theodore/Eucalyptus intersection, will use the same turning movement volumes as the base case analysis.

Deliverables:

- Lane Closure Review Committee Meeting Attendance
- Forecast Validation Technical Memorandum
- Traffic Impact Analysis Report

1.7C Obtain Right of Entries

CONSULTANT will obtain right of entries for up to 70 affected parcels associated with the Eucalyptus Avenue re-alignment to support environmental and engineering studies. Right of Entries will be requested for 18 months.

CONSULTANT will obtain a CITY encroachment permit for access to CITY owned property. CITY encroachment permit extension will be obtained as required throughout PA/ED.

CONSULTANT will obtain a CALTRANS encroachment permit for access to CALTRANS owned property. COUNTY encroachment permit extensions will be obtains as required throughout PA/ED.

Deliverables:

- Right of Entry for 70 affected parcels
- City Encroachment Permit
- City Encroachment Permit Extensions

1.8C Selection of Locally Preferred Alternative

The original scope from Contract Project No. 801 0052 70 77 dated July 16, 2013, was intended for a selection of a Locally Preferred Alternative before circulation of the Draft IS/EA. Based on the current project status, a Locally Preferred Alternative will not be selected prior to circulation of the Draft IS/EA.

Corresponding fees will be reallocated to remaining tasks.

1.9C Construction Phasing Plan

CONSULTANT will prepare one (1) additional Construction Phasing Plan to determine construction phasing based upon the additional Eucalyptus Avenue Design Variations. Design Variation 2a will be identified as the representative design variation in the Construction Phasing Plan because of the wider roadway width and additional ramp. The lower profile associated with the Eucalyptus Avenue re-alignment is expected to minimize the amount of import material required, and allows the ability to phase the construct of the Eucalyptus Avenue/Theodore Street intersection prior to the interchange ramps.

No revisions are anticipated for the Alternative 2 Construction Phasing Plan.

Deliverables:

- One (1) Construction Phasing Plan for Design Variation 2a

1.10C Draft Project Report

CONSULTANT will update the Draft Project Report (PR) to incorporate the Eucalyptus Avenue re-alignment. The additional design variations shall be incorporated in the project description, *Section 5A. Viable Alternative* (in accordance with CALTRANS' PDPM) and *Attachment 3 – Key Map, Typical Sections, Plans, Profiles* as identified in Task 2.2C.

One (1) screencheck review will be prepared for CITY and CALTRANS review. One (1) hard copy and one (1) electronic copy will be prepared for the CITY's screencheck review. It is anticipated the CITY requires 15 working days for the screencheck review. One (1) electronic copy will be prepared for CALTRANS's screencheck review. CITY and CALTRANS screencheck reviews are to occur concurrently.

Deliverables:

- Updated Project Description
- Screencheck Draft PR
- Draft/Final PR

2.0C Preliminary Engineering Studies Approved by Caltrans

2.1C Task Management and Meetings

It is anticipated that two (2) focused meetings will be scheduled with the CITY and Caltrans. CONSULTANT will attend and participate in two (2) monthly PDT meetings and two (2) monthly City Trend meeting. It is assumed that developers will be invited to the monthly City Trend meetings, and that separate meetings outside the monthly PDT meetings or City Trend meetings are not anticipated.

Deliverables:

- Attend an additional two (2) PDT meetings, prepare meeting minutes
- Attend two (2) City Trend meetings, prepare meeting minutes
- Attendance at two (2) Caltrans focused meetings

2.2C Geometric Plans for Project Alternatives

CONSULTANT will update geometric plans for Alternative 2 and Alternative 6 to include roadway geometrics based on the updated traffic analysis and updated CALTRANS guidance.

CONSULTANT will prepare geometric plans for two (2) Eucalyptus Avenue Design Variations. Eucalyptus Avenue shall be re-designed between Theodore Street and approximately 2,500' west of Theodore Street. The realignment of Eucalyptus Avenue also includes access road design from the realigned Eucalyptus Avenue and the Skechers facility. The re-alignment will be sensitive to the existing Skechers facility.

It is anticipated that the variations in design do not require additional geometric workshops, beyond the ICE workshop (Task 2.15C) and roundabout workshop.

CONSULTANT will prepare three (3) design memorandums to support geometric design decisions. The memorandums will include design guidelines, field observations, summary or meeting discussions, recommendations, and decisions, as applicable. The memorandums will be completed for the following topics:

- Active Transportation for Pedestrians, Equestrians and Bicycles
- Eastbound Off-Ramp Right of Way
- Design Decision Memorandum

Roundabout Design and Workshops CONSULTANT will conduct one (1) roundabout workshops with the CITY, CALTRANS, and other invited project stakeholders. The roundabout workshop will take place at CALTRANS. CONSULTANT will lead a group discussion of the roundabout concepts developed for Alternative 6/6a to meet CALTRANS expectations for roundabout design. It is assumed the roundabouts will be designed to 30% PS&E level design based on recent discussions with CALTRANS. CONSULTANT will develop a roundabout sign and lane assignment plan based on Alternative 6 per the request of CALTRANS. The following items will be addressed in the roundabout design and at the roundabout workshops in the form of detailed exhibits. The detailed exhibits will be at 1"=20' for three (3) roundabouts in Alternative 6. The roundabout variation from Design Variation 6a will not be addressed at the workshop. Comments on Alternative 6 will be applied to Alternative 6a:

- Fastest path for all roundabout approaches and movements (total of 3 exhibits)
- Path overlap for all roundabout movements (total of 3 exhibits)
- Truck turn templates for all roundabout approaches and movements (total of 10 exhibits)
- Stopping sight distance on the roundabout approaches (total of 12 exhibits)
- Stopping sight distance on the roundabout circulatory movement (total of 3 exhibits)
- Sight distance to crosswalk on roundabout exits (total of 3 exhibits)
- Roundabout intersection sight distance (total of 3 exhibits)
- Constructability for all roundabouts (total of 3 exhibits)

A separate strip map will be prepared for Design Variation 6a. The strip maps will be no larger than 36"x96". Plan view and profile view are anticipated to be on separate strip maps. The plan view will contain the following information for each roundabout based on CALTRANS input:

- Length of splitter islands
- Design vehicles
- Intersection distance
- Inscribed diameter
- Lane widths
- Entry deflection
- Entry angles
- Signage
- Lane assignment

Revised .DGN files will be provided, as requested, to CALTRANS for review before or after the roundabout workshops for Alternative 6 and Design Variation 6a. The .DGN files provided to CALTRANS would include the grading files, the right of way files, the street base files, the topo files, and aerially imaging.

Scope excludes roundabout expert at public outreach events.

Deliverables

- Geometric design plans for two (2) build alternatives and two (2) design variations
- Design Memorandums (Total of seven (7))
- Roundabout Workshops (total of 2) with meeting minutes and action items
- Strip plots (total of 4)
- DGN files of Alternative 6 and design variation associated with Alternative 6
- Detailed exhibits (total of 40)

2.3C Drainage Assessment

CONSULTANT will update the Drainage Assessment deliverables (approved November 2015) to include an updated project description and exhibits as a result of the additional design variations. CONSULTANT will perform a hydromodification (Rapid Assessment Stream Crossing) analysis based on the updated guidance. Scope of work excludes modifications to offsite hydrology that has been approved.

CONSULTANT will update the Location Hydraulic Study and Floodplain Evaluation Summary in accordance with revised project description and applicable exhibits. CONSULTANT will conduct a two-dimensional floodplain analysis of the offsite areas to the north of the proposed project to address the lack of detail in the Awareness Floodplain mapping.

2.4C Storm Water Data Report

CONSULTANT will update the Storm Water Data Report to include the revised project area associated with the design variations, the revised project costs, and the revised project schedule. Additionally, the Storm Water Data Report will be updated in conformance with current CALTRANS requirements in the CALTRANS Project Planning and Design Guide (February 2016). Per CALTRANS comments received on July 10, 2015, the Storm Water Data Report will be updated after circulation of the Draft Environmental Document and selection of a Preferred Alternative.

2.6C Preliminary Transportation Management Plan Data Sheet

CONSULTANT will update the Preliminary Transportation Management Plan Data sheet for the two (2) build alternatives based on the updated Conceptual Stage Construction Plan (Task 2.5C) and the updated project cost estimates (Task 2.14C), and the updated project schedule (Task 1.3C). It is assumed that the design variations will be included as a worst case scenario in the two (2) build alternatives.

Deliverable

- Update Preliminary Transportation Management Plan Data Sheet for two (2) build alternatives

2.7C Utility Assessment

CONSULTANT will identify proposed utility impacts associated with the two (2) Eucalyptus Avenue Design Variations. CONSULTANT will schedule one (1) meeting with all utility companies present in Eucalyptus Avenue to discuss maintaining utilities in the existing Eucalyptus Avenue alignment.

Deliverable

- Update Utility Information Sheet for two (2) build alternatives and two (2) design variations (for inclusion into ROW Data Sheets)
- Update Utility Conflict Map for two (2) design variations
- One (1) Utility Meeting for Eucalyptus Avenue Utility Corridor

2.8C Right of Way Data Sheets

CONSULTANT will assess right-of-way impacts for the two (2) design variations associated with the Eucalyptus Avenue re-alignment and prepare preliminary right of way requirements maps. The previously utilized 2015 comparable sales data will be re-examined as the data needs to be updated every two (2) years. Right of Way Data Sheets expire one year after CALTRANS signatures. As such, the Right of Way Data Sheets for the two (2) design variations and Right of Way Data Sheets for the two (2) build alternatives (Alternative 2 and Alternative 6) (currently approved) will be updated once prior to the approval of the Draft Project Report. It is assumed that approximately 70 parcels (for the interchange and adjacent intersection improvements) are to be evaluated for each Right of Way Data Sheet.

Deliverable

- Draft/Final Right-of-Way Data Sheets for Alternative 2/2a and Alternative 6/6a
- Preliminary Right of Way Requirement Maps for Alternative 2a and Alternative 6a
- Update Preliminary Right of Way Requirements Map for Alternative 2/2a and Alternative 6/6a

2.9C Life Cycle Cost Analysis

A memo to file will be submitted to the District to that states the approved TI-values are still current based on the updated traffic years identified in Task 1.6C.

CONSULTANT will update the Life Cycle Cost Analysis. Due to the high Traffic Index values and desired long life design, the advanced methods of Mechanistic-Empirical (ME) design will be used in developing the flexible pavement sections for the project.

Deliverable

- Traffic Index Calculation memo to file for updated existing and opening years

2.10C Preliminary Geotechnical Investigations and Evaluation

Initial Site Assessment Memorandum

CONSULTANT will update the Initial Site Assessment Memorandum with the updated project description and update exhibits. Additionally, site investigations will be conducted for the area associated with the design variations.

Aerially Deposited Lead Survey Memorandum

CONSULTANT will update the Aerially Deposited Lead Memorandum with the updated project description and update exhibits. Updates for the latest DTSC ADL agreement guidelines.

Asbestos and Lead-Based Paint Sampling Memorandum

CONSULTANT will update the Asbestos and Lead-Based Paint Sampling Memorandum with the updated project description and update exhibits.

Preliminary Materials Memorandum

CONSULTANT will update the Preliminary Materials Memorandum with the updated project description and update exhibits. Due to the large Traffic Index identified on the project, additional flexible pavement sections will be developed based on the mechanistic empirical pavement design guide (MEPDG) for the 40-year flexible sections.

Preliminary Geotechnical Design Memorandum

CONSULTANT will update the preliminary geotechnical design report based on the updated project description and update report exhibits. It is assumed that the current analysis and recommendations are applicable to the design variations associated with the Eucalypts Avenue realignment. No additional site reconnaissance will be performed.

Fault Trenching

Fault trenching will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

2.14C Preliminary Cost Estimates

CONSULTANT will update cost estimates for the two (2) build alternatives and prepare cost estimates for two (2) design variations to be analyzed in the Project Report. Project Report level cost estimates shall be prepared based on the preliminary engineering plans and in conformance with the 11-Page Preliminary Cost Estimate Template per the CALTRANS Cost Estimate sing website.

Based on the draft cost estimates, a Value Analysis will be required. It is assumed that the Value Analysis will be deferred after PA/ED is approved.

Deliverables:

- Draft Roadway Cost Estimates for two (2) design variations

2.15C Intersection Control Evaluation

CONSULTANT will evaluate two (2) build alternatives in accordance with CALTRANS Traffic Operations Policy Directive 13-02: Intersection Control Evaluation. CONSULTANT will coordinate and attend one (1) ICE workshop with CALTRANS District 8 ICE Coordinator, Traffic Operations, and Design Oversight. CONSULTANT will evaluate alternatives based on the two step screening process.

CONSULTANT will prepare Sidra analysis of roundabout option for Alternative 4 (Alternative 2 and Alternative 4 were the selected build alternatives at the time of the ICE workshop).

CONSULTANT will prepare a power point presentation to introduce the project, illustrate the forecast volumes, identify the build alternatives, discuss the geometric design, and present Sidra and LOS results. CONSULTANT will prepare exhibits at 1'=100' scale to show roundabout lane assignments, truck turning, and design vehicles. The ICE workshop will be attended by up to five (5) CONSULTANT's team members. CONSULTANT will document meeting minutes and action items following the roundabout workshops.

Deliverables:

- ICE Workshop with meeting minutes

4.0C Prepare and Circulate Draft Environmental Document

4.1C Task Management and Meetings

CONSULTANT will attend and participate in two (2) monthly PDT meetings and two (2) monthly City Trend meetings. It is assumed that developers will be invited to the monthly City Trend meetings, and that separate meetings outside the monthly PDT meetings or City Trend meetings are not anticipated.

Deliverables:

- Attend an additional two (2) PDT meetings, prepare meeting minutes
- Attend two (2) City Trend meetings, prepare meeting minutes

4.2C Area of Potential Effects (APE) Map

In consultation with CALTRANS, CONSULTANT will update the Area of Potential Effects (APE) map to include Alternative 2a, and Alternative 6a.

4.3C Water Quality Assessment Report (WQAR)

CONSULTANT will revise the approved Water Quality Assessment Report (WQAR) (approved February 2016) for the design variations identified in Alternative 2a and Alternative 6a. The project description, figures, regulatory requirements, and analysis section of the WQAR will be updated based on the revised project.

4.4C Noise Study Report

CONSULTANT will address issues related to the traffic noise impact for use in the Environmental Document. A Noise Study Report (NSR) will be updated to analyze two (2) build alternatives (Alternative 2 and Alternative 6), one (1) no build alternative, and two (2) design variations (Design Variation 2a and Design Variation 6a) . The study will comply with CALTRANS Traffic Noise Analysis Protocol (May 2011 or updated amendment) requirements.

4.5C Noise Abatement Decision Report (NADR)

CONSULTANT will update the Draft Noise Abatement Decision Report (NADR) to include

noise abatement measures identified for the design variations (Design Variation 2a and Design Variation 6a).

4.6C Visual Impact Assessment (VIA)

CONSULTANT will update the VIA to reflect the changes to the project description.

4.7C Farmland Technical Memorandum

CONSULTANT will revise the existing Farmlands Analysis, which was approved as part of the CIA, within the CIA to address the design variations (Design Variation 2a and Design Variation 6a). All farmland data will be updated per currently available sources.

4.8C Draft Relocation Impact Statement (DRIS)

The Draft Relocation Impact Statement was approved in August 2015. Based on the CONSULTANT's understanding of the current project description, the Design Variations would impact the anticipated residential acquisition. The DRIS will be updated to account for additional impacts.

Deliverables:

- Draft/Final Revised Relocation Impact Statement

4.9C Air Quality Analysis Report (AQA)

CONSULTANT will update the approved Air Quality Analysis report (October 2015) to reflect the design variations, and to satisfy CEQA, State and federal environmental requirements, and conformity provisions of the Clean Air Act Amendments (CAAA) to support the ED.

4.10C Paleontological Identification Report and Paleontological Evaluation Report (PIR/PER)

The previously approved Paleontological Identification Report/Paleontological Evaluation Report (PIR/PER) from July 2015 will be revised to address the design variations. The project description will be revised, new figures will be drafted, and various sections of the report will be revised to include changes in the geologic units mapped within the boundaries of the additional area impacted by the design variations and resulting changes in the recommendations.

4.11C Archaeological Survey Report (ASR)/Historical Property Survey Report (HPSR)/Historical Evaluation Report (HER)

This scope covers the additional effort required to update the HPSR to address the design variations (Design Variations 2a and 6a), and to update the cultural documents based on the updated templates on the SER. These additional tasks are primarily associated with the continued development of the project's APE but include continued coordination with the project engineer and CALTRANS, additional survey, continuity of Native American consultation, revisions to the HPSR and supporting documents, and associated responses to up to two rounds of CALTRANS comments.

Native American Consultation. Due to the expansion of the APE to address the design variations, additional Native American consultation is required. The Eucalyptus Realignment is outside of the current APE boundary. Therefore, a new round of Native

American consultation will need to be conducted, including contacting the Native Americans (e.g. sending letters, emailing and conducting follow-up phone calls) and summarizing the results of the consultations. The project footprint (basically the APE) attached to the letters sent to the Native Americans will include the footprint of the Eucalyptus Re-alignment and any additional areas that have been added to the APE subsequent to the original round of Native American consultation.

4.12C Jurisdictional Delineation Report

CONSULTANT will update the Draft Jurisdictional Delineation (JD) report approved in February 2016 to include a field survey to identify any potential jurisdictional waters within the new design variations boundary.

4.13C Natural Environment Study (NES)

CONSULTANT will update the Draft NES approved in February 2016. CONSULTANT will conduct a literature review to assist in determining the existence or potential occurrence of sensitive plant and animal species within the footprints of the design variations, and to update new occurrences of sensitive species from the larger project footprint. A field survey will be conducted within the footprints of the design variations to document the habitat suitability of sensitive species identified in the literature review and previous studies. Focused species studies are not anticipated to be required and are not included in this scope of services. The location of sensitive biological resources present during the field survey will be mapped. In addition, areas that may be considered wetlands or jurisdictional waters will be mapped.

4.14C Categorical Exemption/Categorical Exclusion for Geotechnical Borings

To provide information needed for preliminary design, pesticides testing will need to be conducted as an early task in the planning effort. CONSULTANT will prepare Categorical Exemption pursuant to the CEQA Guidelines for CALTRANS approval and a Federal Categorical Exclusion for approval by CALTRANS.

Technical Studies Required in Support of the Pesticides Testing CE/CE:

Biological Resources Memorandum

CONSULTANT will prepare a brief Memorandum to address potential impacts to biological resources as a result of the proposed pesticides testing activities. Applicable information may be used from the Natural Environment Study (NES) prepared by CONSULTANT and approved by Caltrans on 2/28/16. The Memorandum will summarize the results of the nesting bird surveys (if required) and the burrowing owl pre-construction survey described below.

Nesting Bird Pre-construction Survey

Most bird species are protected under the Migratory Bird Treaty Act (MBTA) and under the California Fish and Game Code. It is unlawful to take, possess, or needlessly destroy any bird or the nests or eggs of any bird species except as otherwise provided in California Fish and Game Codes and regulations. Disturbances at the active nesting territories should be avoided during the nesting season, typically February 1 through August 31.

CONSULTANT will conduct a pre-construction nesting bird survey throughout the project site. All observations of bird nesting activity will be recorded and occupied bird nests will be mapped.

Upon completion of the survey, the survey results will be documented in the Biological Resources Memorandum. The Memorandum will include a figure showing the survey area and locations of any active nests encountered. This Memorandum may be combined with the burrowing owl survey report. A copy of the report will be sent to the Western Riverside County MSHCP Biological Monitoring Program as required under the MSHCP.

If survey results are positive, additional follow-up survey, coordination with the CDFW, or monitoring, may be required. These additional services can be provided, if deemed necessary, under a modified scope and fee following completion of the survey.

Burrowing Owl Pre-construction Survey

CONSULTANT will conduct 30-day pre-construction burrowing owl survey of the project site. The surveys will be conducted in accordance with accepted guidelines (Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area, Riverside County Environmental Programs Department, March 29, 2006). The initial phase of a protocol survey is a search for suitable burrows, conducted by walking transects over the entire project site. If the results of a burrow survey indicate that a site contains burrows that could be used by burrowing owl, a return visit is made during morning or evening to determine if the burrows are occupied. CONSULTANT will conduct a burrow survey and one follow-up survey if necessary to confirm owl presence or absence. All burrowing owl sightings and occupied burrows will be mapped.

If the survey results are negative, construction activities (e.g., grading) must begin within 30 days from the last survey visit or an updated survey will be needed.

Upon completion of the focused surveys, CONSULTANT will document the survey results in the Biological Resources Memorandum. The Memorandum will include a figure showing the survey area and locations of any active owl burrows encountered. A copy of the Memorandum will be sent to the Western Riverside County MSHCP Biological Monitoring Program as required under the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP).

If survey results are positive, additional follow-up surveys, relocation of owls in coordination with the California Department of Fish and Wildlife (CDFW), or monitoring may be required. These additional services can be provided, if deemed necessary, under a modified scope and fee following completion of the initial surveys.

NES-MI

CONSULTANT will prepare an NES-MI, including project description and exhibits for the pesticides testing CE/CE. Exhibits will be prepared to 11x17 page format. The NES-MI will be conducted in accordance with CALTRANS guidance to satisfy the requirements of CEQA and NEPA.

CONSULTANT will conduct a literature review to assist in determining the existence and potential occurrence of sensitive plant and animal species on site or in the project vicinity. Federal and State lists of sensitive species and current database records, including the California Natural Diversity Database (CNDDDB) and the California Native Plant Society's Electronic Inventory of Rare and Endangered Vascular Plants of California, will be examined. In addition, biological studies prepared for the larger SR-60/Theodore Street Interchange project will be reviewed. In accordance with CALTRANS guidelines, CONSULTANT will request from the United States Fish and Wildlife Service (USFWS) a list of threatened and endangered species known from the project vicinity using the USFWS IPaC (Information, Planning, and Conservation System). The results of the records search will be summarized in a table and included in the NES-MIs.

To verify the CNDDDB search for listed and special-status species, the field work will be conducted by qualified biologists in order to document the presence/absence of sensitive biological resources (e.g., plant and animal species and habitats) and to determine the potential for occurrence of such resources that may not be detectable when the field work is conducted. The location of any sensitive biological resources present on site, including plants and plant communities, will be mapped. In addition, a discussion of any areas that may be considered wetlands or jurisdictional waters will be provided in the NES-MIs.

CONSULTANT will prepare an NES-MI report to include a description of the field methods used and the results of the biological assessment of the project area. The report will include a list of plant and animal species present within the project area and a general description of the plant communities occurring. If any sensitive resources are found on site, CONSULTANT will prepare and include in the NES-MI a graphic displaying the location of the sensitive plant communities on site and any sensitive biological resources observed. Tables describing sensitive species and their habitats that are present or potentially present will also be provided in the report. The report will also identify and assess project impacts on the existing biological resources, including any sensitive species. Conceptual mitigation measures will also be included as necessary.

Additional Technical Studies

It is assumed that CALTRANS will prepare the Screened Undertaking for cultural resources for the pesticides testing CE/CE's. It is assumed that other technical studies not listed above are not required.

Deliverable:

- CE/CE for Pesticides Testing/Sampling
- NES-MI for the Pesticides Testing/Sampling CE/CE
- Biological Resources Memorandum for Pesticides Testing CE/CE
- Nesting Bird Pre-Construction Survey for Pesticides Testing CE/CE
- Burrowing Owl Pre-construction Survey for Pesticides Testing CE/CE

4.15C Screencheck Draft IS/EA

CONSULTANT will revise the completed Screencheck Draft IS/EA to reflect the results of the technical studies that were updated to address the design variations. CONSULTANT will prepare an Executive Summary for inclusion in the ED at the City’s request.

4.16C Draft Initial Study (IS) / Environmental Assessment (EA)

CONSULTANT will update the Draft IS/EA based on comments received from CALTRANS and the CITY associated with the design variations.

4.17C Obtain Approval to Circulate

No additional scope required for Amendment No. 3 beyond the original Contract Project No. 801 0052 70 77 dated July 16, 2013, and Amendment No. 1 dated May 19, 2014.

4.19C Community Impacts Assessment (CIA)

CONSULTANT will update and revise the Draft CIA approved in October 2015 to address the design alternatives.

5.0C Public Meetings and Outreach Conducted

5.1C Public Outreach Support and Public Meetings

CONSULTANT will coordinate one (1) Public Information Meeting in an open house format, one (1) City Council Study Session, and one (1) Community Briefing. The City Council Study Session and Community Briefing will take place prior to the public circulation of the Draft Environmental Document.

CONSULTANT will coordinate one (1) meeting with CALTRANS and the CITY to review the public outreach approach and material.

CONSULTANT will prepare a 3D animated model for use in public outreach purposes. The 3D model will include two (2) build alternatives, two (2) design variations, surrounding 3D buildings and vegetation, and animated vehicles. The model will be compiled into one one (1) long video (2 minutes) for applicable public outreach uses.

Deliverables:

- One (1) City Council Study Session prior to selection of LPA
- Two (2) Community Briefings prior to selection of LPA
- One (1) Public Meeting during the public circulation of the Draft Environmental Document
- One (1) short animated video
- One (1) long animated video
- One (1) public outreach focus meetings with CALTRANS

6.0C Prepare Final Environmental Document, Final Project Report and Obtain Environmental Clearance

6.1C Task Management and Meetings

It is anticipated that one (1) focus meeting will be scheduled with the CITY and CALTRANS. CONSULTANT will attend and participate in four (4) monthly PDT meetings and four (4) monthly City Trend meetings. It is assumed that developers will be invited to the monthly City Trend meetings, and that separate meetings outside the monthly PDT meetings or City Trend meetings are not anticipated.

Deliverables:

- Attend an additional four (4) PDT meetings, prepare meeting minutes
- Attend four (4) City Trend meetings, prepare meeting minutes
- Attendance at one (1) Caltrans focused meetings

8.0C Geometric Approval Drawings Complete and Approved by Caltrans

8.1C Geometric Approval Drawings

CONSULTANT will prepare geometric approval drawings (GAD) at a scale of 1" = 50' (1" = 100' at a reduced scale) in accordance with CALTRANS plan preparation criteria for the design variation associated with the Preferred Alternative.

Deliverables:

- Geometric Approval Drawing for Design Variation associated with the Preferred Alternative

12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E

12.3C Landscape and Aesthetic Plan

Landscape and Aesthetic Plan will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

12.4C Bridge Site Data Submittal

Bridge Site Data Submittal will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

12.5C Bridge Type Selection

Bridge Type Selection will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

12.6C Storm Water Data Report

The Storm Water Data Report will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

12.7C Drainage Report

The Drainage Report will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

12.8C Transportation Management Plan Data Sheet

The Transportation Management Plan Data Sheet Corresponding fees will be reallocated to remaining tasks.

12.9C Geotechnical Design and Reports

Geotechnical Design and Reports will be deferred to final design. Corresponding fees are proposed to be re-allocated.

15.0C Right of Way Legal / Plats and Appraisal Maps Complete

Right of Way Legal / Plans and Appraisal Maps will be deferred to final design. Corresponding fees will be reallocated to remaining tasks.

**ESTIMATED HOURS AND FEE AMENDMENT No. 4b
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY
MANDATORY BORROW SITE**

Michael Baker International

Task Description			Total Estimate Fee (Amendment No. 4b)
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT			
1.0C	Draft Project Report Approved by Caltrans		\$ 35,634
	1.1C	Task Management and Meetings	\$ 5,941
	1.2C	Project Scoping	\$ 8,279
	1.3C	Project Scheduling	\$ 4,366
	1.4C	Project Funding Support	\$ -
	1.5C	Geometric Alternatives Analysis	\$ -
	1.6C	Traffic Analysis and Study	\$ 15,143
	1.7C	Obtain Right of Entry	\$ -
	1.10C	Draft Project Report	\$ 1,905
2.0C	Preliminary Engineering Studies Approved by Caltrans		\$ 35,868
	2.1C	Task Management and Meetings	\$ 7,041
	2.3C	Drainage Assessment	\$ 7,619
	2.5C	Conceptual Stage Construction Plan	\$ 2,806
	2.10C	Preliminary Geotechnical Investigations and Evaluation	\$ 15,793
	2.14C	Preliminary Cost Estimates	\$ 2,610
3.0C	Fact Sheets for Exceptions to Design Standards Approved by Caltrans		\$ -
4.0C	Prepare and Circulate Draft Environmental Document		\$ 49,798
	4.1C	Task Management and Meetings	\$ 24,250
	4.2C	Area of Potential Effects (APE) Map	\$ -
	4.4C	Noise Study Report	\$ 7,153
	4.6C	Visual Impact Assessment (VIA)	\$ 5,686
	4.9C	Air Quality Analysis Report (AQA)	\$ 2,886
	4.15C	Screencheck Draft IS/EA	\$ 5,894
	4.19C	Community Impacts Assessment	\$ 3,928
5.0C	Public Meetings and Outreach Conducted		\$ -
6.0C	Prepare Final Env Document, Final Project Report and Obtain Env Clr		\$ 3,835
	6.1C	Task Management and Meetings	\$ 3,835
7.0C	Environmental Mitigation Negotiation and Permitting Complete		\$ -
8.0C	Geometric Approval Drawings Complete and Approved by Caltrans		\$ -
9.0C	Design Mapping and Surveys Complete Approved by Caltrans		\$ -
10.0C	Other Services Directed by the City		\$ -
	10.1C	Update Federal Funding Documentation	\$ -
	10.2C	FASTLANE Funding Documentation	\$ -
12.0C	65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E		\$ -
15.0C	Right of Way Legal/Plats and Appraisal Maps Complete		\$ -
OTHER DIRECT COSTS FOR PHASE 1C			\$ 2,055
	C	Reproduction & Mileage	\$ 1,055
	C	Other Direct Costs	\$ 1,000
PHASE 1 SUBTOTAL:			\$ 127,190

SR-60/Theodore Street Interchange Improvement Project
Project Approval and Environmental Document Phase
 Scope of Work Amendment No. 4b
 Mandatory Borrow Site
 January 2018

PHASE 1C – PROJECT REPORT AND ENVIRONMENTAL DOCUMENT	1
1.0C Draft Project Report Approved by Caltrans	1
1.1C Task Management and Meetings.....	1
1.2C Project Scoping	1
1.3C Project Scheduling	2
1.10C Draft Project Report.....	2
2.0C Preliminary Engineering Studies Approved by Caltrans	2
2.1C Task Management and Meetings.....	2
2.3C Drainage Assessment.....	2
2.4C Conceptual Stage Construction Plan.....	3
2.10C Preliminary Geotechnical Investigations	3
2.14C Preliminary Cost Estimates	3
4.0C Prepare and Circulate Draft Environmental Document.....	4
4.1C Task Management and Meetings.....	4
4.4C Noise Study Report	4
4.6C Visual Impact Assessment (VIA).....	4
4.9C Air Quality Analysis Report (AQA).....	4
4.15C Screencheck Draft IS/EA.....	4
4.19C Community Impacts Assessment (CIA)	4
6.0C Prepare Final Environmental Document, Final Project Report and Obtain Environmental Clearance	4
6.1C Task Management and Meetings.....	5
7.0C Design Mapping and Surveys Complete Approved by Caltrans.....	5
9.1C Photogrammetric Surveys.....	5
9.2C Preliminary Right of Way Mapping.....	5
9.3C Land Net Mapping and Surveys / Pre-construction Record of Survey.....	5

SR-60/Theodore Street Interchange Improvement Project

Project Approval and Environmental Document Phase

Scope of Work Amendment No. 4b

Mandatory Borrow Site

January 2018

PHASE 1C – PROJECT REPORT AND ENVIRONMENTAL DOCUMENT

The scope of work below supplements the original Contract Project No. 801 0052 70 77 (Phase 1/1A) dated July 16, 2013 and Amendment No. 1 (Phase 1B) dated May 19, 2014, and Amendment No. 2 dated August 25, 2016. The scope of work below outlines the tasks necessary to complete PA/ED for the SR-60/Theodore Street Interchange improvement project for Michael Baker International and its consultants (CONSULTANT). The tasks contained in this scope of work outline tasks associated with the following project revision:

Mandatory Borrow Site: Based on preliminary calculations, approximately 1.5 million cubic yards of import material is needed to correct the non-standard vertical clearance between SR-60 and Theodore Street, to conform to CALTRANS standard vertical profile grades, and to meet minimum grades required for ADA compliance and roundabout guidelines. Approximately 1.5 million cubic yards of import material is available for use from the Badlands County Landfill. A mandatory borrow site will be identified to utilize import material from the Badlands County Landfill. It is assumed the property owner agreements, final grading plans, Stormwater Pollution Prevention Plan, site plans, SMARA exemption/compliance, Materials Report, Geotechnical Memorandum, permits, licenses, and other agreements will be prepared/approved/obtained in the Plans, Specifications, and Estimates (PS&E) phase. It is assumed that existing or proposed utilities are not impacted by the use of import material from the Badlands County Landfill. Additionally, it is assumed that access to the import material will be provided via an encroachment permit, and that Temporary Construction Easements or right-of-way easements are not required. It is assumed CEQA environmental clearance of the excavation of material from the Badlands County Landfill is provided by Riverside County Department of Waste Management. The following tasks are required during the PA/ED phase.

1.0C Draft Project Report Approved by Caltrans

1.1C Task Management and Meetings

It is anticipated that one (1) focused meeting will be scheduled with the CITY and Caltrans. CONSULTANT will attend and participate in one (1) monthly PDT meeting and one (1) monthly City Trend meeting.

Deliverables:

- Attend an additional one (1) PDT meeting, prepare meeting minutes
- Attend one (1) City Trend meeting, prepare meeting minutes
- Attendance at one (1) Caltrans focused meeting

1.2C Project Scoping

Environmental and Engineering scoping matrices will be developed. The scoping matrices will identify the necessary revisions to technical studies as a result of the inclusion of the mandatory borrow site. The scoping matrices will be reviewed by the CITY and CALTRANS. Research will be conducted to evaluate the steps required to

designate a mandatory borrow site. CONSULTANT will compile a memorandum to summarize the studies prepared by the Riverside County Department of Waste Resources, and to quantify the costs associated with inclusion of a mandatory borrow site.

Deliverables:

- Update to Risk Register
- Environmental Scoping Matrix
- Engineering Scoping Matrix
- Memorandum

1.3C Project Scheduling

CONSULTANT will update the project schedule.

1.10C Draft Project Report

CONSULTANT will update the Draft Project Report (PR) in accordance with CALTRANS' PDPM. The Draft PR shall be updated to include fill material from the Badlands County Landfill as a mandatory borrow site in the project description.

Mandatory borrow sites require the approval of FHWA. FHWA delegated this task to the District, as such a report will be prepared to formally request approval of the inclusion of a mandatory borrow site.

Deliverables:

- Updated Project Description
- Screencheck Draft PR
- Draft/Final PR
- Mandatory Borrow Site Report

2.0C Preliminary Engineering Studies Approved by Caltrans

2.1C Task Management and Meetings

CONSULTANT will attend and participate in one (1) monthly PDT meeting and one (1) monthly City Trend meeting.

Deliverables:

- Attend an additional one (1) PDT meeting, prepare meeting minutes
- Attend one (1) City Trend meeting, prepare meeting minutes

2.3C Drainage Assessment

CONSULTANT will identify drainage impacts associated with the export of fill material from the Badlands County Landfill. Based on feedback from Riverside County Department of Waste Resources, basins and other BMPs will be evaluated at the mandatory borrow site. Final plans will be developed during the PS&E phase.

2.4C Conceptual Stage Construction Plan

CONSULTANT will update the construction staging/traffic handling concept plan based on the inclusion of the mandatory borrow site. The construction phasing plan will verify constructability and feasibility of construction phasing. CONSULTANT will assess the number of truck trips for hauling material, the haul route, and how the inclusion of the mandatory borrow site material will fit into the overall construction phasing.

2.10C Preliminary Geotechnical Investigations

CONSULTANT will review available studies provided by Riverside County Department of Waste Resources. CONSULTANT will perform two (2) site visits to the mandatory borrow site with applicable staff. Additionally, CONSULTANT will collect material from Canyon 5 or Canyon 6, depending on accessibility, to confirm the R-value and test for corrosivity, to confirm material is suitable import material. Results will be summarized in the Preliminary Geotechnical Report.

2.14C Preliminary Cost Estimates

CONSULTANT will update cost estimates for material hauling from the Badlands County Landfill. Project Report level cost estimates shall be prepared based on the preliminary engineering plans and in conformance with the 11-Page Preliminary Cost Estimate Template per the CALTRANS Cost Estimating website.

Unit costs will be based on the SR-60/Nason Street Overcrossing Improvements and SR-60/Moreno Beach Drive Interchange Improvements (Phase 1) bid proposals and other available projects. For items not found in the above referenced big proposals, the CALTRANS Contract Cost Database will be used for unit costs. The top three bidders for the three projects with quantities closest to the proposed quantities will be collected from the CALTRANS Contract Cost Database, and the average unit cost will be the resultant unit cost for the proposed project.

CONSULTANT evaluate and include the costs requested by Riverside County Department of Waste Resources as responsible by the project. Responsible items include the following:

- Mobilization and Demobilization
- Construction sedimentation basin
- Construct grouted rip rap apron
- Furnish/install gabion baskets
- Skimmer system disassemble and reinstallation
- Construct concrete basin spillway
- Aggregate base access road to basin
- Concrete drainage structure to basin
- Asphalt upgrade to borrow area access
- Install fiber rolls
- Install hydroseed and erosion control blankets
- Greenwaste on borrow floor
- Implement traffic controls
- Develop site safety plan (include traffic pattern)
- Develop SWPPP
- Develop Water

Deliverables:

- Cost Estimates

4.0C Prepare and Circulate Draft Environmental Document

4.1C Task Management and Meetings

It is anticipated that three (3) focused meetings will be scheduled, including one (1) site visit (site visit occurred on November 9, 2015). CONSULTANT will attend and participate in one (1) monthly PDT meeting and one (1) monthly City Trend meeting.

Deliverables:

- Attend an additional one (1) PDT meeting, prepare meeting minutes
- Attend one (1) City Trend meeting, prepare meeting minutes
- Attend three (3) focused meetings

4.4C Noise Study Report

A Noise Study Report (NSR) will be updated to address the trips associated with the movement of import material from the mandatory borrow site.

4.6C Visual Impact Assessment (VIA)

CONSULTANT will run a new viewshed analysis for the proposed mandatory borrow site location in order to verify whether or not existing public views to the hill exist. For the purposes of the viewshed mapping, CONSULTANT assumes that existing and proposed topographic information of the Badlands County Landfill and surrounding area will be provided by the County. Based on the viewshed analysis, should no existing public views be afforded as a result of existing topography, vegetation, and/or structures, CONSULTANT will document these findings. Should public views be present, this scope will be revisited to incorporate photosimulations for the Badlands County Landfill.

4.9C Air Quality Analysis Report (AQA)

CONSULTANT will update the Air Quality Analysis Report with a revised project description and discussion of vehicle trips required to haul material from the Badlands County Landfill to the project site.

4.15C Screencheck Draft IS/EA

CONSULTANT update the Administrative Draft IS/EA with a revised project description and discussion of the Badlands County Landfill.

4.19C Community Impacts Assessment (CIA)

CONSULTANT will update the Community Impact Assessment with a revised project description and a discussion of the Badlands County Landfill.

6.0C Prepare Final Environmental Document, Final Project Report and Obtain Environmental Clearance

6.1C Task Management and Meetings

It is anticipated that one (1) focused meeting will be scheduled with the CITY and CALTRANS. CONSULTANT will attend and participate in two (2) monthly PDT meetings and two (2) monthly City Trend meetings. It is assumed that developers will be invited to the monthly City Trend meeting, and that separate meetings outside the monthly PDT meetings or City Trend meetings are not anticipated.

Deliverables:

- Attend an additional two (2) PDT meetings, prepare meeting minutes
- Attend two (2) City Trend meetings, prepare meeting minutes
- Attendance at one (1) Caltrans focused meeting

7.0C Design Mapping and Surveys Complete Approved by Caltrans

9.1C Photogrammetric Surveys

No proposed scope for the above mentioned task. It is assumed that the County will provide aerial topographic mapping to encompass the inclusion of the Badlands County Landfill.

9.2C Preliminary Right of Way Mapping

No proposed scope for the above mentioned task. Access to the mandatory borrow site during construction is assumed to be accomplished by a Right of Entry. It is assumed that the County will issue a Right of Entry for construction activities.

9.3C Land Net Mapping and Surveys / Pre-construction Record of Survey

No proposed scope for the above mentioned task. Access to the mandatory borrow site during construction is assumed to be accomplished by a Right of Entry. It is assumed that the County will issue a Right of Entry for construction activities.

EXHIBIT 10-H COST PROPOSAL (Page 1 of 2)

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Consultant Michael Baker International, Inc. Contract No. 801 0052 70 77 Date 1/18/2018

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Principal		0	\$ 119.24	\$ -
Project Manager		353	\$ 86.94	\$ 30,689.82
Senior Technical Manager		8	\$ 105.07	\$ 840.56
Structural Engineer		0	\$ 103.85	\$ -
Technical Manager		76	\$ 89.43	\$ 6,796.68
Senior Project Engineer		164	\$ 72.12	\$ 11,827.68
Landscape/Arthitect		0	\$ 50.62	\$ -
Project Engineer/ Planner		716	\$ 66.53	\$ 47,635.48
Design Engineer		433	\$ 57.63	\$ 24,953.79
Design Technician		631	\$ 43.00	\$ 27,133.00
Technician/Project Coordinator		1,309	\$ 37.82	\$ 49,487.47
Engineering Aid		86	\$ 27.03	\$ 2,311.07
Clerical		275	\$ 24.00	\$ 6,588.00
Party Chief		4	\$ 49.56	\$ 198.24
Instrument Man		0	\$ 46.86	\$ -
Licensed Surveys		0	\$ 72.12	\$ -
Total Hours		4,054		

LABOR COSTS

a) Subtotal Direct Labor Costs	\$ 208,461.79
b) Anticipated Salary Increases (see page 2 for sample)	\$ -
c) TOTAL DIRECT LABOR COSTS [(a)+(b)]	\$ 208,461.79

FRINGE BENEFITS

d) Fringe Benefits (Rate <u>44.49%</u>)	e) TOTAL FRINGE BENEFITS [(c) x (d)]	\$ 92,744.65
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INDIRECT COSTS

f) Overhead (Rate <u>55.45%</u>)	g) Overhead [(c) x (f)]	\$ 115,592.06
h) General and Administrative (Rate <u>41.50%</u>)	i) Gen & Admin [(c) x (h)]	\$ 86,511.64
	j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]	\$ 294,848.35

FEE (Profit)

q) (Rate <u>10.00%</u>)	k) TOTAL FIXED PROFIT [(c) + (j)] x (q)]	\$ 50,331.01
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OTHER DIRECT COSTS (ODC)

Description	Unit(s)	Unit Cost	Total
l) Reproduction & Mileage Costs (supported by consultant actual costs)	1	\$ 62,890.00	\$ 62,890.00
m) Equipment Rental and Supplies (itemize)		\$ -	\$ -
n) Permit Fees (itemize), Plan Sheets (each), Test Holes (each), etc.		\$ -	\$ -
o) Subconsultant Costs (attach detailed cost proposal in same format as prime consultant estimate for each subconsultant)	1	\$ 772,684.21	\$ 772,684.21
			p) TOTAL OTHER DIRECT COSTS [(l) + (m) + (n) + (o)]
			\$ 835,574.21

SUBTOTAL COST [(c) + (j) + (k) + (p)]	\$ 1,389,215.36
REALLOCATION	\$ 359,008.00
TOTAL COST [SUBTOTAL - REALLOCATION]	\$ 1,030,207.36

Notes:

- Employees subject to prevailing wage requirements to be marked with an *.
- ODC items should be based on actual costs and supported by historical data and other documentation.
- ODC items that would be considered "tools of the trade" are not reimbursable.
- ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
- ODC items when incurred for the same purpose, in like circumstances, should not be included in any indirect cost pool or in overhead rate.

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Michael Baker International

Task Description	Principal	Project Manager	Senior Technical Manager	Structural Engineer	Technical Manager	Senior Project Engineer	Landscape/Architect	Project Engineer/Planner	Design Engineer	Design Technician	Technician/Project Coordinator	Engineering Aid	Clerical	Party Chief	Instrument Man	Licensed Surveys	Subconsultants LSA = LSA Associates, Inc. PB = Parsons Brinckerhoff LEI = Leighton & Assoc OPC = Overland Pacific US = Utility Specialists AA = Arellano Associates ODC= Other Direct Costs			Total Estimate Fee (Amendment No. 4)	
	\$ 317	\$ 231	\$ 279	\$ 276	\$ 238	\$ 192	\$ 134	\$ 177	\$ 153	\$ 114	\$ 100	\$ 72	\$ 64	\$ 132	\$ 124	\$ 192	Hrs	Sub	Dollars		
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																					
1.0C Draft Project Report Approved by Caltrans		96			14	22		185	52	77	373	47	66				1007	LSA, PB	\$ 183,839	\$ 308,031	
1.1C Task Management and Meetings		29						49			52	7	7							\$ -	\$ 21,525.80
1.2C Project Scoping		36						40			120	40	28							\$ -	\$ 32,090
1.3C Project Scheduling		9						34			52		11							\$ -	\$ 14,010
1.4C Project Funding Support																				\$ -	\$ -
1.5C Geometric Alternatives Analysis		10			14	4		28	42	67	88		4							\$ -	\$ 34,522
1.6C Traffic Analysis and Study		4						12			22							957	LSA, PB	\$ 175,406	\$ 180,659.95
1.7C Obtain Right of Entry		4				8		4		10	12		6					6	LSA	\$ 657	\$ 6,549
1.8C Selection of Locally Preferred Alternative																			LSA	\$ -	\$ -
1.9C Construction Phasing Plan		2						8			14							44	PB	\$ 7,776	\$ 11,058
1.10C Draft Project Report		2				10		10	10		13		10							\$ -	\$ 7,618
2.0C Preliminary Engineering Studies Approved by Caltrans		176			62	104		313	270	474	663	18	132				877	PB, LEI, OPC	\$ 113,441	\$ 415,787	
2.1C Task Management and Meetings		48						45			69	10	10							\$ -	\$ 27,320
2.2C Geometric Plans for Project Alternatives		78			46	68		80	154	280	300		60							\$ -	\$ 145,600
2.3C Drainage Assessment		24			16	8		44	60	102	96		16							\$ -	\$ 50,143
2.4C Storm Water Data Report																	164	PB	\$ 29,112	\$ 29,112	
2.5C Conceptual Stage Construction Plan		2						8			8		2						PB	\$ -	\$ 2,806
2.6C Preliminary Transportation Management Plan Data Sheet																		35	PB	\$ 6,201	\$ 6,201
2.7C Utility Assessment						2		40			88	8	8							\$ -	\$ 17,374
2.8C Right of Way Data Sheets		2						12		30								82	OPC	\$ 6,263	\$ 12,271
2.9C Life Cycle Cost Analysis		8				16		28	12	46	50									\$ -	\$ 21,971
2.10C Preliminary Geotechnical Investigations and Evaluation																		596	LEI	\$ 71,865	\$ 71,865
2.11C Structure Advance Planning Study (APS)																				\$ -	\$ -
2.12C Conceptual Bridge Architecture																				\$ -	\$ -
2.13C Preliminary Landscape and Aesthetics Plan																				\$ -	\$ -
2.14C Preliminary Cost Estimates		2				2		48	20		28		20							\$ -	\$ 16,474
2.15C ICE Workshop		12				8		8	24	16	24		16							\$ -	\$ 14,648
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans																				\$ -	\$ -
3.1C Fact Sheets for Exception to Design Standards																				\$ -	\$ -
4.0C Prepare and Circulate Draft Environmental Document		43				38		122	41	68	169	17	33	4			2779	LSA	\$ 368,150	\$ 441,662	
4.1C Task Management and Meetings		31						32	13		77	17	5	4				337	LSA	\$ 60,812	\$ 85,296
4.2C Area of Potential Effects (APE) Map		4				12		10	12	20	16		8					159	LSA	\$ 17,811	\$ 29,038
4.3C Water Quality Assessment Report (WQAR)																		52	LSA	\$ 6,700	\$ 6,700
4.4C Noise Study Report																		267	LSA	\$ 35,861	\$ 35,861
4.5C Noise Abatement Decision Report (NADR)								12			12							82	LSA	\$ 11,044	\$ 14,370
4.6C Visual Impact Assessment (VIA)		8				20		60		48	48		16					8	LSA	\$ 1,072	\$ 28,674
4.7C Farmland Technical Memorandum																		34	LSA	\$ 4,121	\$ 4,121
4.8C Draft Relocation Impact Statement (DRIS)																		22	LSA	\$ 3,031	\$ 3,031
4.9C Air Quality Analysis Report (AQA)																		123	LSA	\$ 16,575	\$ 16,575
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)																		31	LSA	\$ 3,826	\$ 3,826
4.11C Archaeological Survey Report (ASR)/HPSR/HER																		365	LSA	\$ 38,134	\$ 38,134
4.13C Natural Environment Study (NES)																		170	LSA	\$ 22,764	\$ 22,764
4.14C CE/CE for Geotech Borings						6		8	16		16		4					120	LSA	\$ 14,929	\$ 21,803
4.15C Screencheck Draft IS/EA																		474	LSA	\$ 58,670	\$ 58,670
4.16C Draft IS/EA																		204	LSA	\$ 25,420	\$ 25,420
4.17C Obtain Approval to Circulate																			LSA	\$ -	\$ -
4.18C Circulate Draft IS/EA																			LSA	\$ -	\$ -
4.19C Community Impacts Assessment																		331	LSA	\$ 47,378	\$ 47,378

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Michael Baker International

Task Description	Principal	Project Manager	Senior Technical Manager	Structural Engineer	Technical Manager	Senior Project Engineer	Landscapes/Architect	Project Engineer/Planner	Design Engineer	Design Technician	Technician/Project Coordinator	Engineering Aid	Clerical	Party Chief	Instrument Man	Licensed Surveys	Subconsultants LSA = LSA Associates, Inc. PB = Parsons Brinckerhoff LEI = Leighton & Assoc OPC = Overland Pacific US = Utility Specialists AA = Arellano Associates ODC= Other Direct Costs			Total Estimate Fee (Amendment No. 4)	
	\$ 317	\$ 231	\$ 279	\$ 276	\$ 238	\$ 192	\$ 134	\$ 177	\$ 153	\$ 114	\$ 100	\$ 72	\$ 64	\$ 132	\$ 124	\$ 192	Hrs	Sub	Dollars		
5.0C Public Meetings and Outreach Conducted		18						16	16		48						32	LSA, AA	\$ 3,737	\$ 17,990	
5.1C Public Outreach Support and Public Meetings		18						16	16		48						32	LSA, AA	\$ 3,737	\$ 17,990	
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Clr		20						8	30		32	4	4				76	LSA	\$ 10,206	\$ 24,586	
6.1C Task Management and Meetings		20						8	30		32	4	4				8	LSA	\$ 1,362	\$ 15,741	
6.2C Prepare Response to Comments Matrix																	54	LSA	\$ 6,721	\$ 6,721	
6.3C Select Preferred Project Alternative																	10	LSA	\$ 1,442	\$ 1,442	
6.4C Final Project Report																			\$ -	\$ -	
6.5C Final Environmental Document																	4	LSA	\$ 681	\$ 681	
6.6C NOD and NOA																			\$ -	\$ -	
7.0C Environmental Mitigation Negotiation and Permitting Complete																			\$ -	\$ -	
7.1C Resource Agency Permit Related Coordination																			\$ -	\$ -	
7.2C Federal Clean Water Act and California Fish and Game Code Permits																			\$ -	\$ -	
8.0C Geometric Approval Drawings Complete and Approved by Caltrans			8					72	24	12	24		40						\$ -	\$ 24,958	
8.1C Geometric Approval Drawings			8					72	24	12	24		40						\$ -	\$ 24,958	
9.0C Design Mapping and Surveys Complete Approved by Caltrans																			\$ -	\$ -	
9.1C Photogrammetric Surveys																			\$ -	\$ -	
9.2C Preliminary Right of Way Mapping																			\$ -	\$ -	
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey																			\$ -	\$ -	
10.0C Other Services Directed by the City																			\$ -	\$ -	
10.1C Update Federal Funding Documentation																			\$ -	\$ -	
10.2C FASTLANE Funding Documentation																			\$ -	\$ -	
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E																			\$ -	\$ -	
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																			\$ -	\$ -	
OTHER DIRECT COSTS FOR PHASE 1C																			LSA, PB, LEI, AA, MBI	\$ 156,201	\$ 156,201
C Reproduction & Mileage																			LSA, PB, LEI, MBI	\$ 103,801	\$ 103,801
C Appraisal and Review Appraisal																				\$ -	\$ -
C Title																				\$ -	\$ -
C Other Direct Costs																			PB, LEI, AA	\$ 52,400	\$ 52,400
PHASE 1 SUBTOTAL:		353	8		76	164		716	433	631	1309	86	275	4			4771		\$ 835,574	\$ 1,389,215	



5.0C Public Outreach

5.1C Public Outreach Support for City Council Study Session

CONSULTANT will provide public outreach support and all necessary preparation for one (1) Community Briefing during project development, including PowerPoint presentation.

Deliverables:

- One (1) Community Briefing
- PowerPoint presentation

1/9/18 gla

EXHIBIT 10-H COST PROPOSAL (Page 1 of 2)
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
 (DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Consultant Arellano Associates Contract No. 801 0052 70 77 Date 1/11/2018

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Outreach Manager	Cheryl Donahue	11	\$ 125.00	\$ 1,375.00
Outreach Support	Kathy Ortiz-Cobian	5	\$ 47.08	\$ 235.40
Outreach Support	Hallie Somerville	16	\$ 22.00	\$ 352.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Total Hours		32		\$ -

LABOR COSTS

a) Subtotal Direct Labor Costs \$ 1,962.40
 b) Anticipated Salary Increases (see page 2 for sample) \$ -
 c) **TOTAL DIRECT LABOR COSTS [(a)+(b)]** \$ 1,962.40

FRINGE BENEFITS

d) Fringe Benefits (Rate)
 e) **TOTAL FRINGE BENEFITS [(c) x (d)]** \$ -

INDIRECT COSTS

f) Overhead (Rate 73.11%)
 g) Overhead [(c) x (f)] \$ 1,434.71
 h) General and Administrative (Rate)
 i) Gen & Admin [(c) x (h)] \$ -
 j) **TOTAL INDIRECT COSTS [(e) + (g) + (i)]** \$ 1,434.71

FEE (Profit)

q) (Rate 10.00%)
 k) **TOTAL FIXED PROFIT [(c) + (j)] x (q)** \$ 339.71

OTHER DIRECT COSTS (ODC)

Description	Unit(s)	Unit Cost	Total
l) Travel/ Mileage Costs (supported by consultant actual costs)		\$ -	\$ -
m) Equipment Rental and Supplies (itemize)		\$ -	\$ -
n) Permit Fees (itemize), Plan Sheets (each), Test Holes (each), etc.		\$ -	\$ -
o) Subconsultant Costs (attach detailed cost proposal in same format as prime consultant estimate for each subconsultant)	1	\$ 1,900.00	\$ 1,900.00

p) **TOTAL OTHER DIRECT COSTS [(l) + (m) + (n) + (o)]** \$ 1,900.00
TOTAL COST [(c) + (j) + (k) + (p)] \$ 5,636.82

Notes:

- Employees subject to prevailing wage requirements to be marked with an *.
- ODC items should be based on actual costs and supported by historical data and other documentation.
- ODC items that would be considered "tools of the trade" are not reimbursable.
- ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
- ODC items when incurred for the same purpose, in like circumstances, should not be included in any indirect cost pool or in overhead rate.

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Arellano

Task Description	Hours																	Subconsultants LSA = LSA Associates, Inc. PB = Parsons Brinckerhoff LEI = Leighton & Assoc OPC = Overland Pacific US = Utility Specialists AA = Arellano Associates ODC=Other Direct Costs	Total Estimated Hours	Total Estimate Fee (Amendment No. 4)
	Outreach Manager	Outreach Support	Outreach Support																	
	\$ 238	\$ 90	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
	Hrs	Sub	Dollars																	
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																				
1.0C Draft Project Report Approved by Caltrans																		\$ -		
1.1C Task Management and Meetings																		\$ -		
1.2C Project Scoping																		\$ -		
1.3C Project Scheduling																		\$ -		
1.4C Project Funding Support																		\$ -		
1.5C Geometric Alternatives Analysis																		\$ -		
1.6C Traffic Analysis and Study																		\$ -		
1.7C Obtain Right of Entry																		\$ -		
1.8C Selection of Locally Preferred Alternative																		\$ -		
1.9C Construction Phasing Plan																		\$ -		
1.10C Draft Project Report																		\$ -		
2.0C Preliminary Engineering Studies Approved by Caltrans																		\$ -		
2.1C Task Management and Meetings																		\$ -		
2.2C Geometric Plans for Project Alternatives																		\$ -		
2.3C Drainage Assessment																		\$ -		
2.4C Storm Water Data Report																		\$ -		
2.5C Conceptual Stage Construction Plan																		\$ -		
2.6C Preliminary Transportation Management Plan Data Sheet																		\$ -		
2.7C Utility Assessment																		\$ -		
2.8C Right of Way Data Sheets																		\$ -		
2.9C Life Cycle Cost Analysis																		\$ -		
2.10C Preliminary Geotechnical Investigations and Evaluation																		\$ -		
2.11C Structure Advance Planning Study (APS)																		\$ -		
2.12C Conceptual Bridge Architecture																		\$ -		
2.13C Preliminary Landscape and Aesthetics Plan																		\$ -		
2.14C Preliminary Cost Estimates																		\$ -		
2.15C ICE Workshop																		\$ -		
2.16C Roundabout Workshop																		\$ -		
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans																		\$ -		
3.1C Fact Sheets for Exception to Design Standards																		\$ -		
4.0B Prepare and Circulate Draft Environmental Document																		\$ -		
4.1C Task Management and Meetings																		\$ -		
4.2C Area of Potential Effects (APE) Map																		\$ -		
4.3C Water Quality Assessment Report (WQAR)																		\$ -		
4.4C Noise Study Report																		\$ -		
4.5C Noise Abatement Decision Report (NADR)																		\$ -		
4.6C Visual Impact Assessment (VIA)																		\$ -		
4.7C Farmland Technical Memorandum																		\$ -		
4.8C Draft Relocation Impact Statement (DRIS)																		\$ -		
4.9C Air Quality Analysis Report (AQA)																		\$ -		
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)																		\$ -		
4.11C Archaeological Survey Report (ASR)/HPSR/HER																		\$ -		
4.13B Natural Environment Study (NES)																		\$ -		
4.14C CE/CE for Geotech Borings																		\$ -		
4.15C Screencheck Draft IS/EA																		\$ -		
4.16C Draft IS/EA																		\$ -		
4.17C Obtain Approval to Circulate																		\$ -		
4.18C Circulate Draft IS/EA																		\$ -		
4.19C Community Impacts Assessment																		\$ -		

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Arellano

Task Description	Hours																	Subconsultants LSA = LSA Associates, Inc. PB = Parsons Brinckerhoff LEI = Leighton & Assoc OPC = Overland Pacific US = Utility Specialists AA = Arellano Associates ODC=Other Direct Costs	Total Estimated Hours	Total Estimate Fee (Amendment No. 4)			
	Outreach Manager	Outreach Support	Outreach Support																		Hrs	Sub	Dollars
	\$ 238	\$ 90	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
5.0C Public Meetings and Outreach Conducted	11	5	16																		32	\$ 3,737	
5.1C Public Outreach Support and Public Meetings	11	5	16																		32.00	\$ 3,737	
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Clr																					0	\$ -	
6.1C Task Management and Meetings																							
6.2C Prepare Response to Comments Matrix																							
6.3C Select Preferred Project Alternative																							
6.4C Final Project Report																							
6.5C Final Environmental Document																							
6.6C NOD and NOA																							
7.0C Environmental Mitigation Negotiation and Permitting Complete																					0	\$ -	
7.1C Resource Agency Permit Related Coordination																							
7.2C Federal Clean Water Act and California Fish and Game Code Permits																							
8.0C Geometric Approval Drawings Complete and Approved by Caltrans																					0	\$ -	
8.1C Geometric Approval Drawings																							
9.0C Design Mapping and Surveys Complete Approved by Caltrans																					0	\$ -	
9.1C Photogrammetric Surveys																							
9.2C Preliminary Right of Way Mapping																							
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey																							
10.0C Other Services Directed by the City																					0	\$ -	
10.0C Other Services Directed by the City																							
10.1C Update Federal Funding Documentation																					0	\$ -	
10.01C Updated Federal Funding Documentation																							
10.2C FASTLANE Funding Documentation																					0	\$ -	
10.02C FASTLANE Funding Documentation																							
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E																					0	\$ -	
12.1C Task Management and Meetings																							
12.2C Design Surveys																							
12.3C Landscape and Aesthetics Plan																							
12.4C Bridge Site Data Submittal																							
12.5C Bridge Type Selection																							
12.6C Storm Water Data Report																							
12.7C Drainage Report																							
12.8C Transportation Management Plan Data Sheet																							
12.9C Geotechnical Design and Reports																							
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																					0	\$ -	
15.1C Task Management and Meetings																							
15.2C Right of Way Requirement Maps																							
15.3C Appraisal Map																							
15.4C Legal Descriptions																							
15.5C Right of Way Map																							
OTHER DIRECT COSTS FOR PHASE 1C																					1,900	0	\$ 1,900
C Reproduction & Mileage																							
C Appraisal and Review Appraisal																							
C Title																							
C Public Outreach Direct Costs																					1,900		\$ 1,900
PHASE 1 SUBTOTAL:	11	5	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,900	32	\$ 5,637



Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Memorandum/ Progress Report #1

Client:	Michael Baker Company 3536 Concours, Suite 100 Ontario, CA 91764	Date:	November 30, 2017
		Project No.:	10326.001&2
		Project Name:	SR-60/Theodore St.
Attention:	Ms. Rebecca Young, PE	Sent By:	Simon Saiid, PE, GE

This report is to provide a status update of the various studies that Leighton is working on for the subject project. This report also summarizes the remaining/added scope required for the PA&ED phase.

INCLUSION OF A MANDATORY BORROW SITE

2.10 Preliminary Geotechnical Investigations:

Leighton will review available studies provided by Riverside County Department of Waste Resources and perform two (2) site visits to the mandatory borrow site to collect soil samples from Canyon 5 or Canyon 6, depending on accessibility, for further visual verification and laboratory testing. Laboratory testing will include R-value and corrosivity evaluation. Results will be included in the Preliminary Geotechnical Design Report (PGDR) and Preliminary Materials Report (PMR).

INCLUSION OF EUCALYPTUS AVENUE RE-ALIGNMENT (DESIGN VARIATIONS):

2.10C Preliminary Geotechnical Investigations and Environmental Studies:

Initial Site Assessment (ISA) - Leighton will update the Initial Site Assessment Report/Memorandum with the updated project description and update exhibits. It is assumed that approximately 70 parcels will be investigated for the purposes of the ISA.

Aerially Deposited Lead Survey - Leighton will update the Aerially Deposited Lead Report/Memorandum with the updated project description and update exhibits. Updates will incorporate the latest DTSC ADL agreement guidelines.

Asbestos and Lead-Based Paint Sampling - Leighton will update the Asbestos and Lead-Based Paint Sampling report/Memorandum for the bridge incorporating new project description and exhibits.

Preliminary Materials Report - Leighton will update the PMR with the updated project description and exhibits. Due to the large Traffic Index identified on the project, additional flexible pavement sections will be developed based on the mechanistic empirical pavement design guide (MEPDG) for the 40-year flexible sections.

Preliminary Geotechnical Design Report - Leighton will update the PGDR based on the updated project description and exhibits. It is assumed that the current analysis and recommendations are applicable to the design variations associated with the Eucalypts Avenue realignment. No additional site reconnaissance will be performed.

Fault Trenching - Fault trenching will be deferred to final design. Corresponding fees are proposed to be re-allocated to PS&E phase.

12.9 Final Geotechnical Reports

Final GDR, SGR, MR including all field investigations/drilling and laboratory testing will be deferred to final design/PS&E Phase. Corresponding fees are also proposed to be re-allocated to final design phase.

Meanwhile, if you have any questions regarding this report, please do not hesitate to call us. We appreciate this opportunity to be of service.

Respectfully submitted,
LEIGHTON CONSULTING, INC.



Simon I. Saaid, GE
Principal Engineer

Distribution: (1) Addressee (plus PDF copy)

EXHIBIT 10-H COST PROPOSAL (Page 1 of 2)
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Consultant Leighton Consulting, Inc. Contract No. 801 0052 70 77 Date 1/11/2018

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Sr. Principal Geologist/QC-Enviro	Kris Lutton	0	\$ 106.97	\$ -
Sr. Principal Geologist/QC-Geology	Robert Riha	4	\$ 84.13	\$ 336.52
Principal Engineer	Simon Saiid	48	\$ 72.88	\$ 3,498.24
Associate Geologist	Richard Orr	40	\$ 58.65	\$ 2,346.00
Project Engineer	Christian Delgadillo	164	\$ 40.25	\$ 6,601.00
CAD Operator	Buu Tran	0	\$ 42.50	\$ -
GIS Analyst	Mary Murphy	24	\$ 35.62	\$ 854.88
Project Scientist	Zach Freeman	80	\$ 32.21	\$ 2,576.80
Staff Engineer	Bashir Saiid	44	\$ 32.50	\$ 1,430.00
Staff Geologist	Jeffrey DeLand	40	\$ 32.50	\$ 1,300.00
Word Processor	Debbie Meggers	22	\$ 25.95	\$ 570.90
Project Accountant	Vika Malu	16	\$ 25.50	\$ 408.00
Staff Scientist	Breeanna Copeland	74	\$ 25.96	\$ 1,921.04
Word Processor	Rhonda Macomber	40	\$ 24.20	\$ 968.00
Field Technicians	Chris Haney/Jason Bulskov	0	\$ 24.50	\$ -
				\$ -
Total Hours		596		

LABOR COSTS

a) Subtotal Direct Labor Costs	<u>\$ 22,811.38</u>
b) Anticipated Salary Increases (see page 2 for sample)	<u>\$ -</u>
c) TOTAL DIRECT LABOR COSTS [(a)+(b)]	\$ 22,811.38

FRINGE BENEFITS

d) Fringe Benefits (Rate <u>55.00%</u>)	e) TOTAL FRINGE BENEFITS [(c) x (d)]	<u>\$ 12,546.26</u>
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INDIRECT COSTS

f) Overhead (Rate <u> </u>)	g) Overhead [(c) x (f)]	<u>\$ -</u>
h) General and Administrative (Rate <u>131.40%</u>)	i) Gen & Admin [(c) x (h)]	<u>\$ 29,974.15</u>
	j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]	\$ 42,520.41

FEE (Profit)

q) (Rate <u>10.00%</u>)	k) TOTAL FIXED PROFIT [(c) + (j)] x (q)]	<u>\$ 6,533.18</u>
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OTHER DIRECT COSTS (ODC)

Description	Unit(s)	Unit Cost	Total
l) Travel/ Mileage Costs (supported by consultant actual costs)	1,703	\$ 0.54	\$ 911.00
m) Equipment Rental and Supplies (itemize)	1	\$ 18,000.00	\$ 18,000.00
n) Permit Fees (itemize), Plan Sheets (each), Test Holes (each), etc.	1	\$ 21,000.00	\$ 21,000.00
o) Subconsultant Costs (attach detailed cost proposal in same format as prime consultant estimate for each subconsultant)		\$ -	\$ -
p) TOTAL OTHER DIRECT COSTS [(l) + (m) + (n) + (o)]			\$ 39,911.00
TOTAL COST [(c) + (j) + (k) + (p)]			\$ 111,775.97

Notes:

- Employees subject to prevailing wage requirements to be marked with an *.
- ODC items should be based on actual costs and supported by historical data and other documentation.
- ODC items that would be considered "tools of the trade" are not reimbursable.
- ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
- ODC items when incurred for the same purpose, in like circumstances, should not be included in any indirect cost pool or in overhead rate.

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Leighton

Task Description	Hours															Subconsultants			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)			
	Sr. Principal Geologist/UC-Enviro	Sr. Principal Geologist/UC-Geology	Principal Engineer	Associate Geologist	Project Engineer	CAD Operator	GIS Analyst	Project Scientist	Staff Engineer	Staff Geologist	Word Processor	Project Accountant	Staff Scientist	Word Processor	Field Technicians	Hrs	Sub	Dollars					
	\$ 337	\$ 265	\$ 230	\$ 185	\$ 127	\$ 134	\$ 112	\$ 101	\$ 102	\$ 102	\$ 82	\$ 80	\$ 82	\$ 76	\$ 77								
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																							
1.0C Draft Project Report Approved by Caltrans																							
1.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2C Project Scoping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3C Project Scheduling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4C Project Funding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5C Geometric Alternatives Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6C Traffic Analysis and Study	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7C Obtain Right of Entry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8C Selection of Locally Preferred Alternative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9C Construction Phasing Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10C Draft Project Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.0C Preliminary Engineering Studies Approved by Caltrans		4	48	40	164		24	80	44	40	22	16	74	40									
2.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2C Geometric Plans for Project Alternatives	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3C Drainage Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4C Storm Water Data Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5C Conceptual Stage Construction Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6C Preliminary Transportation Management Plan Data Sheet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7C Utility Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8C Right of Way Data Sheets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9C Life Cycle Cost Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.10C Preliminary Geotechnical Investigations and Evaluation	-	4	48	40	164	-	24	80	44	40	22	16	74	40	-	-	-	-	-	-	-	-	-
2.11C Structure Advance Planning Study (APS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.12C Conceptual Bridge Architecture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.13C Preliminary Landscape and Aesthetics Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.14C Preliminary Cost Estimates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.15C ICE Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.16C Roundabout Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans																							
3.1C Fact Sheets for Exception to Design Standards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.0B Prepare and Circulate Draft Environmental Document																							
4.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2C Area of Potential Effects (APE) Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3C Water Quality Assessment Report (WQAR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4C Noise Study Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.5C Noise Abatement Decision Report (NADR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.6C Visual Impact Assessment (VIA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7C Farmland Technical Memorandum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.8C Draft Relocation Impact Statement (DRIS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.9C Air Quality Analysis Report (AQA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.11C Archaeological Survey Report (ASR)/HPSR/HER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.13B Natural Environment Study (NES)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.14C CE/CE for Geotech Borings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.15C Screencheck Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.16C Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.17C Obtain Approval to Circulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.18C Circulate Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.19C Community Impacts Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

Leighton

Task Description	Hours																Subconsultants			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)	
	Sr. Principal Geologist/UC-Enviro	Sr. Principal Geologist/UC-Geology	Principal Engineer	Associate Geologist	Project Engineer	CAD Operator	GIS Analyst	Project Scientist	Staff Engineer	Staff Geologist	Word Processor	Project Accountant	Staff Scientist	Word Processor	Field Technicians	Hrs	Sub	Dollars				
	\$ 337	\$ 265	\$ 230	\$ 185	\$ 127	\$ 134	\$ 112	\$ 101	\$ 102	\$ 102	\$ 82	\$ 80	\$ 82	\$ 76	\$ 77							
5.0C Public Meetings and Outreach Conducted																			\$ -	0	\$ -	
5.1C Public Outreach Support and Public Meetings																			\$ -	-	\$ -	
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Ctr																			\$ -	0	\$ -	
6.1C Task Management and Meetings																			\$ -	-	\$ -	
6.2C Prepare Response to Comments Matrix																			\$ -	-	\$ -	
6.3C Select Preferred Project Alternative																			\$ -	-	\$ -	
6.4C Final Project Report																			\$ -	-	\$ -	
6.5C Final Environmental Document																			\$ -	-	\$ -	
6.6C NOD and NOA																			\$ -	-	\$ -	
7.0C Environmental Mitigation Negotiation and Permitting Complete																			\$ -	0	\$ -	
7.1C Resource Agency Permit Related Coordination																			\$ -	-	\$ -	
7.2C Federal Clean Water Act and California Fish and Game Code Permits																			\$ -	-	\$ -	
8.0C Geometric Approval Drawings Complete and Approved by Caltrans																			\$ -	0	\$ -	
8.1C Geometric Approval Drawings																			\$ -	-	\$ -	
9.0C Design Mapping and Surveys Complete Approved by Caltrans																			\$ -	0	\$ -	
9.1C Photogrammetric Surveys																			\$ -	-	\$ -	
9.2C Preliminary Right of Way Mapping																			\$ -	-	\$ -	
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey																			\$ -	-	\$ -	
10.0C Other Services Directed by the City																			\$ -	0	\$ -	
10.0C Other Services Directed by the City																			\$ -	-	\$ -	
10.1C Update Federal Funding Documentation																			\$ -	0	\$ -	
10.1C Updated Federal Funding Documentation																			\$ -	-	\$ -	
10.2C FASTLANE Funding Documentation																			\$ -	-	\$ -	
10.2C FASTLANE Funding Documentation																			\$ -	-	\$ -	
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95																			\$ -	0	\$ -	
12.1C Task Management and Meetings																			\$ -	-	\$ -	
12.2C Design Surveys																			\$ -	-	\$ -	
12.3C Landscape and Aesthetics Plan																			\$ -	-	\$ -	
12.4C Bridge Site Data Submittal																			\$ -	-	\$ -	
12.5C Bridge Type Selection																			\$ -	-	\$ -	
12.6C Storm Water Data Report																			\$ -	-	\$ -	
12.7C Drainage Report																			\$ -	-	\$ -	
12.8C Transportation Management Plan Data Sheet																			\$ -	-	\$ -	
12.9C Geotechnical Design and Reports																			\$ -	-	\$ -	
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																			\$ -	0	\$ -	
15.1C Task Management and Meetings																			\$ -	-	\$ -	
15.2C Right of Way Requirement Maps																			\$ -	-	\$ -	
15.3C Appraisal Map																			\$ -	-	\$ -	
15.4C Legal Descriptions																			\$ -	-	\$ -	
15.5C Right of Way Map																			\$ -	-	\$ -	
OTHER DIRECT COSTS FOR PHASE 1C																			\$ 39,911	0	\$ 39,911	
C Reproduction & Mileage																			ODC	\$ 911	-	\$ 911
C Appraisal and Review Appraisal																				\$ -	-	\$ -
C Title																				\$ -	-	\$ -
C Other Direct Costs																			ODC	\$ 39,000	-	\$ 39,000
PHASE 1 SUBTOTAL:		4	48	40	164	0	24	80	44	40	22	16	74	40	0				\$ 39,911	596	\$ 111,776	

January 10, 2018

Rebecca Young, P.E.
Michael Baker International
3536 Concours, Suite 100
Ontario, CA 91764

Subject: SR-60/Theodore Street Interchange – Design Variations – Environmental Scope of Services

Dear Ms. Young:

LSA is pleased to present this scope of services and budget to Michael Baker International (Michael Baker) for the State Route 60 (SR-60)/Theodore Street Interchange Project Design Variations (Design Variations) in the City of Moreno Valley (City). LSA has prepared this revised environmental scope of services and attached budget to reflect the effort required as a result of the proposed changes to the original SR-60/Theodore Interchange Project (Original Project Alternatives 2 and 6)]. The attached budget would be added to the remaining budget of approximately \$95,000 to complete the project.

The anticipated level of effort required to obtain environmental clearance for the current Build Alternatives and the Design Variations under both the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) is an Initial Study/ Environmental Assessment (IS/EA) leading to a Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI) with the following supporting technical studies (studies marked with an asterisk [*] will be provided by Michael Baker):

- Air Quality and Greenhouse Gases Analysis
- Air Quality Conformity Checklist and Report
- Noise Study Report
- Noise Abatement Decision Report
- Natural Environment Study
- Cultural and Paleontological Resources Analysis
- Geotechnical Study*
- Phase I Hazardous Waste Initial Site Assessment*
- Relocation Impact Statement
- Water Quality Assessment Report
- Visual Impact Assessment*
- Traffic Study*
- Community Impacts Assessment (including Farmland Impact Analysis)

The Design Variations are not anticipated to result in potentially significant impacts based on the analysis previously completed for the Original Project, and a higher-level environmental document than currently scoped (such as an Environmental impact Report/Environmental Impact Statement [EIR/EIS] under CEQA and NEPA) is not anticipated. If an EIR/EIS is required for environmental clearance of the Design Variations, a separate scope and budget will be prepared.

Environmental analyses will be conducted to meet CEQA and NEPA requirements and in accordance with the environmental review process for transportation projects, Federal Highway Administration

(FHWA) guidelines, and the guidelines on the California Department of Transportation (Caltrans) Standard Environmental Reference (SER) website. The level of effort anticipated for this Scope of Services does not include conducting requests for analyses that are not required in the Caltrans SER IS/EA Annotated Outline.

The scope of work presented below is based on LSA's understanding of the Design Variations, previous analysis of the Original Project, information provided by Michael Baker and the City, and extensive knowledge of the project area. Under the Design Variations, Eucalyptus Avenue would be realigned to intersect with Theodore Street approximately 900 ft south of the existing intersection with Theodore Street. Work anticipated as a result of the Design Variations includes extending the project schedule, updating information that may have become outdated as a result of the extended project schedule, additional meetings (Project Development Team [PDT], the City, Highland Fairview Properties, etc.), additional records searches and site surveys (noise, biological, cultural, and paleontological resources), and updated calculations/modeling based on the new project footprint, including the Design Variations.

LSA understands Michael Baker will contract separately to prepare a revised Traffic Study, Visual Impact Assessment, Geotechnical Study, and Initial Site Assessment. Michael Baker will also provide LSA with a revised Summary Floodplain Encroachment Report (SFER), Stormwater Data Report (SWDR), and Location Hydraulic Study (LHS). These reports will address the Design Variations and use of the Badlands Landfill as a Mandatory Borrow Site. All of these revised studies will be provided to LSA in PDF format to use as the basis for analysis in the Environmental Document.

We are looking forward to working with Michael Baker and the City on this project. If you have any questions concerning the attached scope of services, please contact me at (949) 553-0666 or by email at King.Thomas@lsa.net.

Sincerely,

LSA



King Thomas
Associate

Attachments: Scope of Services
Budget

SCOPE OF WORK

Environmental analyses will be conducted for the Eucalyptus Avenue Realignment (Alternatives 2 and 6 and the Design Variations and aesthetic treatments) to meet California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements, and in accordance with the environmental review process for transportation projects, Federal Highway Administration (FHWA) guidelines, and the guidelines on the California Department of Transportation (Caltrans) Standard Environmental Reference (SER) website. All revised technical studies and the revised Environmental Document (ED) will be reviewed by Caltrans. The level of effort for this scope of services and the associated budget assume one round of internal LSA project team review, one round of review by the City of Moreno Valley (City), and up to two rounds of Caltrans review for each deliverable (technical studies and Initial Study/Environmental Assessment [IS/EA]).

The ED will be prepared in accordance with the Caltrans SER, FHWA Technical Advisory T6640.8A, and Code of Federal Regulations (CFR) Title 23, Part 771. This scope of services is based on the IS/EA Annotated Outline (dated August 2, 2017). LSA will prepare an ED that incorporates the CEQA checklist, technical analyses, a discussion of critical environmental issues identified, an analysis of the cumulative effects of the project, mitigation measures, and a list of potential permits required. LSA will coordinate with Michael Baker International (Michael Baker) to prepare a revised project description to address the Design Variations as a separate deliverable in advance of Caltrans approval of the Draft Screencheck ED. As requested by the City, LSA will prepare an Executive Summary for inclusion in the ED; however, it should be noted that an Executive Summary is not included in the Caltrans SER IS/EA Annotated Outline, and Caltrans may require that it be deleted from the IS/EA.

Technical reports will address the Design Variations and use of the Badlands Landfill as a Mandatory Borrow Site.

The level of effort for this scope of work assumes a 18 month project schedule to obtain Caltrans approval of the revised/updated technical studies and the Final MND/FONSI.

ASSUMPTIONS

The level of effort for this scope of services assumes:

- LSA assumes that the Badlands Landfill is a mandatory borrow site for the SR-60/Theodore Interchange project and is a permitted borrow site environmentally cleared under CEQA and no further CEQA clearance is required for the use of borrow from the landfill site.
- No NEPA clearance is required for the use of borrow from the Badlands Landfill site for the SR-60 Theodore Interchange project.
- LSA is not responsible for offsite design work or related tasks as a result of realigning Eucalyptus Avenue.

- LSA is not responsible for tasks associated with a Specific Plan and/or a General Plan Amendment as a result of realigning Eucalyptus Avenue.

1.0 DRAFT PROJECT REPORT APPROVED BY CALTRANS

1.1 Task Management and Meetings

LSA key staff will attend biweekly conference calls with the Project Development Team (PDT) as needed to discuss work progress, issues, budget constraints, upcoming PDT meetings, etc. It may also be necessary, at times, to meet with Caltrans technical staff to discuss technical issues outside the PDT meetings. LSA will maintain a detailed project schedule that will include the progress of individual environmental tasks and a status of deliverables. LSA will conduct quality control and review of all the technical studies and EDs prepared as part of this scope of services based on LSA quality assurance/quality control (QA/QC) procedures and Caltrans QA/QC procedures, including the five-step NEPA QC process.

LSA will attend and participate in 24 monthly PDT meetings, 4 focused meetings with Caltrans, 12 City meetings, and 8 meetings with Highland Fairview Properties. The level of effort for this management and meetings task anticipates a 24-month project schedule.

Deliverables:

- Attendance at biweekly PDT conference calls
- Attendance at up to 4 focused meetings with Caltrans
- QA/QC documentation
- Attendance at up to 24 PDT meetings
- Attendance at up to 12 City meetings
- Attendance at up to 8 meetings with Highland Fairview Properties

Tasks below that have been completed and will not require additional work to evaluate the Design Variations are noted as “Completed.”

1.6 Traffic Analysis and Study

LSA will review the revised/updated traffic analysis (prepared by others) and will coordinate with Michael Baker regarding the traffic data required for use as the basis for preparing the Air Quality Analysis, the Noise Study Report (NSR), the project description, and the traffic section for the ED. LSA assumes that due to the extended length of the project schedule, the traffic analysis will be updated to include a revised horizon year.

1.7 Obtain Rights of Entry

LSA will coordinate with Michael Baker regarding renewing rights of entry for conducting site surveys for noise, biological resources, and cultural and paleontological resources. Tasks may include reviewing the rights-of-entry permits to confirm that Michael Baker has received rights of entry for

all parcels required to be surveyed and preparing a table that lists the rights of entry for each parcel, including property owner information and other information associated with each right-of-entry permit.

1.8 Selection of Locally Preferred Alternative

Selection of the Locally Preferred Alternative will not occur prior to public circulation of the Draft IS/EA.

4.0 PREPARE AND CIRCULATE DRAFT ED

4.1 Task Management

LSA will conduct quality control and review of all LSA technical studies and EDs prepared as part of this scope of services based on LSA QA/QC procedures and Caltrans QA/QC procedures, including the five-step NEPA QC process.

Deliverable:

- QA/QC documentation

4.2 Area of Potential Effects Map

The Area of Potential Effects (APE) Map has been previously reviewed by Caltrans and is the basis for the Historic Property Survey Report (HPSR) and associated documents. Revisions to the APE Map are required to incorporate the impact of the area associated with the Design Variations. The level of effort for this task assumes the Badlands Landfill borrow site and the haul route for hauling the fill to the project site are not included on the APE Map. The revised APE Map will require review and acceptance by Caltrans staff.

Deliverables:

- Draft APE Map
- Final APE Map

4.3 Water Quality Assessment Report

LSA will revise the approved Water Quality Assessment Report (WQAR) (approved February 2016) for the revised project. The project description, figures, regulatory requirements, and analysis section of the WQAR will be updated based on the revised project. The project engineer (Michael Baker) will provide LSA with updated information pertaining to the proposed best management practices (BMPs), disturbed soil area, and new impervious surface area for each alternative. In addition, revisions to hydrologic calculations (suitable for determination of estimated storm water runoff volumes) based on topography and preliminary engineering plans will be provided by the project engineer (Michael Baker) and incorporated into the WQAR. The scope and budget to revise the WQAR based on the revised project include four rounds of review (one round by Michael Baker, one round by the City, and two rounds by Caltrans).

Deliverables:

- Draft Revised WQAR (8 hard copies and 1 CD-ROM)
- Final Revised WQAR (8 hard copies and 1 CD-ROM)

4.4 Noise Study Report

LSA will re-conduct noise level measurements to calibrate the FHWA's Traffic Noise Model (TNM) Version 2.5 and update the NSR to evaluate the Design Variations to identify traffic noise impacts and abatement measures using the FHWA's TNM Version 2.5. Noise abatement measures (noise barriers) designed to reduce long-term traffic noise impacts by 5 A-weighted decibels (dBA) or more, as required to be feasible, will be evaluated. The total reasonable allowance will be recalculated using the most recent cost allowance for each noise barrier. The remaining Caltrans review comments on the Draft NSR may need to be addressed.

Assumptions:

- Noise level measurements will be re-conducted to calibration the FHWA TNM version 2.5.

Deliverables:

- Draft Revised NSR (8 hard copies and 1 CD-ROM)
- Final Revised NSR (8 hard copies and 1 CD-ROM)

4.5 Noise Abatement Decision Report

LSA will update the Noise Abatement Decision Report (NADR) to include noise abatement measures identified for the Design Variations. The estimated noise barrier construction cost and nonacoustical factors related to feasibility will be obtained from the project engineer (Michael Baker). The report will update the summary of NSR results, the engineer's cost estimate for the evaluated abatement, nonacoustical factors related to feasibility, preliminary noise abatement decisions, and secondary effects of abatement (e.g., impacts on cultural resources, scenic views, agriculture, hazardous materials, and biology).

Assumption:

- Up to 25 mailings for the noise barrier survey

Deliverables:

- Draft NADR (8 hard copies and 1 CD-ROM)
- Final NADR (8 hard copies and 1 CD-ROM)
- Draft Noise Barrier Survey Memorandum
- Final Noise Barrier Survey Memorandum

4.6 Visual Impact Assessment

The revised/updated Visual Impact Assessment (VIA) is being prepared by Michael Baker. The Draft VIA has been approved by Caltrans. LSA will review the revised/updated VIA for use as the basis for preparing the visual impact section of the Draft IS/EA. Specifically, LSA will update the Draft IS/EA with information from the VIA regarding the revised bridge design elements (i.e., cladding and special columns).

4.7 Farmland Technical Memorandum¹

Original Farmland Scope. According to the California Department of Conservation’s 2010 map denoting Riverside County Important Farmland, the northeastern quadrant of the project site is designated as Prime Farmland and Farmland of Statewide Importance. If farmlands will be disrupted by the proposed project, including the Design Variations, LSA will prepare Form AD 1006 for submittal to Caltrans. The results will determine whether mitigation is required. The Land Evaluation and Site Assessment (LESA), which was originally developed by the Natural Resources Conservation Service (NRCS), will be used to quantify the merits of retaining, in agricultural use, parcels proposed for conversion. The Farmlands Analysis was approved as part of the Draft Community Impact Assessment (CIA) in December 2015.

Farmlands Analysis Scope to Update the Farmlands Data and Address the Design Variations. LSA will revise the existing Farmlands Analysis, which was approved as part of the CIA, within the CIA to address the Design Variations. All farmland data will be updated per currently available sources. The Regulatory and Existing Environmental Settings will be revised, as applicable, to reflect current changes in the agricultural background data and current land uses in the project area. Based on changes to farmland impacts, a new Farmland Conversion Impact Rating Form (NRCS-CPA-106) will be prepared and submitted to the NRCS. LSA will coordinate with the NRCS to complete the form. The Revised NRCS Form will be used as the basis for updating the impact analysis in the existing Farmlands Analysis.

Assumption:

- Assumes that Form AD 1006 will be prepared for submittal to Caltrans if farmlands will be disrupted by the proposed project (including the Design Variations).

Deliverables:

- Farmland section for incorporation into the CIA
- Completed NRCS Form

4.8 Draft Relocation Impact Memorandum

The Draft Relocation Impact Memorandum was approved in August 2015. Based on LSA’s understanding of the current project description, the Design Variations would require one additional full residential acquisition; therefore, two residential properties would be fully acquired for the

¹ The Farmlands Analysis has been incorporated into the CIA (Task 4.14).

project. Based on Caltrans' SER Handbook, Volume 4 (2011), a Relocation Impact Memorandum will be required. LSA will prepare a revised Relocation Impact Memorandum to address the Design Variations suitable for incorporation into the CIA. The study will be prepared in accordance with Chapter 10, Relocation Impact Documents, of the Caltrans *Relocation Assistance and Housing Procedures Manual*. This task includes a site visit, research, and preparation of Caltrans Exhibit 10-EX-3. The study will also include the following items:

- Number and type of residential displacements;
- Current and anticipated availability of relocation resources; and
- A discussion of any relocation problems specific to this project, along with suggested solutions to those problems, if needed.

Assumption:

- Interviewing the affected owners and tenants and appraising the displaced properties, or portions thereof, shall be the responsibility of Caltrans because this is typically done after completion of the Project Approval/Environmental Documentation (PA/ED) phase, when the ED is certified.

Deliverables:

- Draft Revised Relocation Impact Memorandum (up to 8 hard copies and 1 CD-ROM)
- Final Revised Relocation Impact Memorandum (up to 8 hard copies and 1 CD-ROM)

4.9 Air Quality Analysis Report

LSA will update the approved Air Quality Analysis report (October 2015) to reflect the Design Variations for the Eucalyptus Realignment and to satisfy CEQA, State and federal environmental requirements, and conformity provisions of the Clean Air Act Amendments (CAAA) to support the ED. The proposed project is located within the South Coast Air Basin (Basin) region of Riverside County. Therefore, the project is subject to South Coast Air Quality Management District (SCAQMD) rules and regulations.

The updated Air Quality Analysis will be prepared in accordance with the following protocols and guidelines:

- Caltrans Transportation Project-Level Carbon Monoxide Protocol;
- FHWA/United States Environmental Protection Agency (EPA) Transportation Conformity Guidance for Quantitative Hot-Spot Analyses in PM_{2.5}¹ and PM₁₀² Nonattainment and Maintenance Areas;
- FHWA Interim Guidance on Air Toxic Analysis in NEPA Documents; and
- Caltrans' policy on greenhouse gas (GHG) emissions.

The updated Air Quality Analysis will include the project listings from the latest Regional Transportation Plan (RTP), Federal Transportation Improvement Program (FTIP), and Federal

¹ Particulate matter less than or equal to 2.5 microns in diameter.

² Particulate matter less than or equal to 10 microns in diameter.

Statewide Transportation Improvement Program (FSTIP), and will describe how the proposed project (including the Design Variations) is consistent with those listings. The updated Air Quality Analysis will make a final determination as to whether the Build Alternatives (including the Design Variations) will conform to applicable State and federal air quality plans. Mitigation measures will be defined for construction and/or operational impacts that are identified. Coordination with the EPA, Caltrans, and FHWA through the Southern California Association of Governments (SCAG) Transportation Conformity Working Group (TCWG) will be necessary to ensure that the proposed project would not violate air quality standards or exacerbate air quality in the Basin.

In addition to the Air Quality Analysis, LSA will prepare the “Conformity Analysis Documentation for Project-Level Conformity Determinations in Metropolitan Nonattainment/Maintenance Areas” required for NEPA delegation.

This scope of work includes one submittal each of the Revised TCWG Particulate Matter Hot-Spot Form, Revised Air Quality Analysis, and Revised Air Quality Conformity Report and Checklist and coordination to address any follow-up questions or comments resulting in final versions of each deliverable. A more substantial effort to respond to questions or issues would require a change order to this agreement.

Deliverables:

- Draft Revised TCWG Particulate Matter Hot-Spot Form (1 hard copy)
- Final Revised TCWG Particulate Matter Hot-Spot Form (1 hard copy)
- Draft Revised Air Quality Analysis (8 hard copies and 1 CD-ROM)
- Final Revised Air Quality Analysis (8 hard copies and 1 CD-ROM)
- Draft Revised Air Quality Conformity Report and Checklist (8 hard copies and 1 CD-ROM)
- Final Revised Air Quality Conformity Report and Checklist (8 hard copies and 1 CD-ROM)

4.10 Paleontological Identification Report and Paleontological Evaluation Report

The previously approved Paleontological Identification Report/Paleontological Evaluation Report (PIR/PER) from July 2015 will be revised to address the Design Variations. The project description will be revised, new figures will be drafted, and various sections of the report will be revised to include changes in the geologic units mapped within the boundaries of the additional area impacted by the Design Variations and resulting changes in the recommendations. The PIR/PER will be prepared following the guidelines set forth in the Caltrans SER *Environmental Handbook, Volume 1, Chapter 8 – Paleontology* (Revised February 2015³), as well as guidelines developed by the Society of Vertebrate Paleontology (SVP) (1995⁴ and 2010⁵).

³ <http://www.dot.ca.gov/ser/vol1/sec3/physical/Ch08Paleo/chap08paleo.htm>, accessed February 2016.

⁴ Society of Vertebrate Paleontology. 1995. *Assessment and Mitigation of Adverse Impacts to Nonrenewable Paleontologic Resources: Standard Guidelines*. Society of Vertebrate Paleontology News Bulletin, No. 163, January 1995: 22–27.

⁵ Society of Vertebrate Paleontology. 2010. *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources*, Society of Vertebrate Paleontology. Impact Mitigation Guidelines Revision Committee. Pages 1–11.

The PIR/PER must be completed prior to PA/ED in order to minimize construction delays. The purpose of the PIR is to identify whether resources may be present within the project area, while the purpose of the PER is to evaluate the significance of the resources should any be determined to be present.

Assumption:

- The PIR and PER will be combined into a single document.

Deliverables:

- Draft Revised PIR/PER (8 hard copies and 1 CD-ROM)
- Final Revised PIR/PER (8 hard copies and 1 CD-ROM)

4.11 Historic Property Survey Report

This scope covers the additional effort required to update the HPSR to address the Design Variations (Alternatives 2B and 6B). These additional tasks are primarily associated with the continued development of the project's APE but include continued coordination with the project engineer and Caltrans, additional survey, continuity of Native American consultation, revisions to the HPSR and supporting documents, and associated responses to up to two rounds of Caltrans comments.

It is anticipated that responses to at least two rounds of substantive comments from Caltrans will be necessary for Caltrans approval of the HPSR due to the complexities of the project. Michael Baker will be notified in a timely manner regarding any further anticipated out-of-scope effort that would exceed the authorized budget for any tasks, including protracted coordination with Michael Baker, the City, Caltrans, or Native American Tribes.

All tasks and documents are scoped to be completed per the guidelines set forth in the Caltrans SER *Caltrans Environmental Handbook, Volume 2, Cultural Resources* (February 3, 2012) and the Programmatic Agreement among the FHWA, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer (SHPO), and Caltrans regarding compliance with Section 106 of the National Historic Preservation Act as it pertains to the administration of the Federal-Aid Highway Program in California (January 2004).

Assumptions for the HPSR, ASR, HRER and APE Map

- No substantial changes to the APE.
- The Badlands Landfill Site is not included in the APE.
- The haul route for fill transported from the Badlands Landfill to the project site is not included in the APE.
- No substantial changes in the project design, with the exception of the current plans for the Eucalyptus Realignment.
- HPSR will be updated per the revised HPSR template 9/25/17 on the Caltrans SER
- No additional records searches are required.
- No additional cultural resources identified.
- A total of 8 hours of LSA staff time is assumed to complete the Native American consultation.

- Follow-up survey, if required, is limited to 8 hours of LSA staff time.
- The level of effort for the cultural resources documents assumes no substantial Caltrans comments.

4.11.1 Archaeological Survey Report

Due to the expansion of the APE to address the Design Variations, revisions to the Archaeological Survey Report will be necessary.

4.11.2 Historic Resources Evaluation Report

Due to the expansion of the APE to address the Design Variations, revisions to the Historic Resources Evaluation Report will be necessary.

4.11.3 Native American Consultation

Due to the expansion of the APE to address the Design Variations, additional Native American consultation is necessary.

Assumptions:

- Negative results for archaeology/historic buildings
- Evaluation of up to three historic structures

Deliverables:

- Draft HPSR (8 hard copies and 1 CD-ROM)
- Final HPSR (8 hard copies and 1 CD-ROM)

4.12 Jurisdictional Delineation Report

LSA will update the Draft Jurisdictional Delineation (JD) report approved in February 2016 to include a field survey to identify any potential jurisdictional waters within the new Design Variations. The field work will be conducted in accordance with currently accepted United States Army Corps of Engineers (USACE) and California Department of Fish and Wildlife (CDFW) standards. The JD report will be updated to include potential jurisdictional waters found during the field survey. The report will identify and quantify jurisdictional areas and features, including a breakdown of wetlands and nonwetland waters of the United States. Impacts to waters will be analyzed in the Natural Environment Study (NES). All graphics will be updated to include the realignment of Eucalyptus Avenue and resulting new potential jurisdictional areas (if any). The JD will be submitted as an appendix to the NES.

Deliverables:

- Draft Revised JD Report (8 hard copies and 1 CD-ROM)
- Final Revised JD Report (8 hard copies and 1 CD-ROM)
- Revised Rapanos Form

4.13 Natural Environment Study

LSA will update the Draft NES approved in February 2016. LSA will conduct a literature review to assist in determining the existence or potential occurrence of sensitive plant and animal species within the footprints of the Design Variations and to update new occurrences of sensitive species from the larger project footprint. A field survey will be conducted within the footprints of the Design Variations to document the habitat suitability of sensitive species identified in the literature review and previous studies. Focused species studies are not anticipated to be required and are not included in this scope of services. The location of sensitive biological resources present during the field survey will be mapped. In addition, areas that may be considered wetlands or jurisdictional waters will be mapped.

The NES and Multiple Species Habitat Conservation Plan (MSHCP) Consistency Report will be revised/updated. The NES will include, as necessary, updates of the field methods, lists of plant and animal species observed, general description of the plant communities occurring, and whether sensitive resources are found within the footprints of the Design Variations. All graphics will be updated to show the Design Variations and locations of any sensitive elements observed. The report will also update the impact analysis and avoidance, minimization, and mitigation measures.

The MSHCP Consistency Report will be revised/updated to address MSHCP conservation requirements, riparian/riverine and vernal pool objectives, and species objectives identified during the general field survey conducted as part of the NES. The report will identify requirements pursuant to the MSHCP objectives and updated graphics, including the new alignment and MSHCP consistency requirements. The MSHCP Consistency Report will be submitted as an appendix to the NES.

The proposed scope of services includes preparation of a draft NES to be reviewed by Michael Baker, the City, and Caltrans. LSA will prepare and distribute up to eight copies of the NES for each of the two review cycles before the final is submitted. LSA will respond to comments and update the NES as needed for the completion of each cycle.

Deliverables:

- Draft Revised NES (8 hard copies and 1 CD-ROM)
- Final Revised NES (8 hard copies and 1 CD-ROM)

4.14 Community Impacts Assessment (*New Task and Associated Budget*)

LSA will update and revise the Draft CIA approved in October 2015 to address the current Build Alternatives and Design Variations. LSA will prepare a CIA in accordance with the guidelines found in the FHWA Technical Advisory T6640.8A and the Caltrans *Community Impact Assessment Handbook* (2011). The approved CIA incorporated demographic data from the 2008-2012 American Community Survey (ACS) data set compiled by the United States Census Bureau. LSA will update the CIA to reflect the 2012-2016 ACS data, which is scheduled for release in December 2017. The project's socioeconomic impacts will also be updated to reflect the updated right-of-way required for the current Build Alternatives and Design Variations and current parcel data compiled by the Riverside County Assessor's Office. The CIA will be updated to include the following:

- An updated project description of the current Build Alternatives and Design Variations
- An analysis of the potential community impacts associated with hauling 1.5 million cubic yards of fill from the Badlands Landfill (1.5 miles north of SR-60/Theodore) to the project site
- An updated description of existing and planned land uses that reflects the approval of the World Logistics Center Specific Plan
- An updated description of public facilities and services, and utilities, as well as housing, employment, and population conditions in the vicinity of the project site
- An updated discussion of socioeconomic impacts that addresses the potential population and local business community impacts, including land use compatibility, community character and cohesion, property and sales tax revenue losses, and employment impacts for the current Build Alternatives and Design Variations
- Updated analysis of the current Build Alternatives' consistency with relevant local, regional, and State regulations and plans and its potential impacts on public facilities, services, and utilities in the vicinity
- Updated inventory of any potential temporary or permanent easements and full or partial acquisitions required for the current Build Alternatives and Design Variations and summarization of the information and conclusions regarding displacements included in the updated Draft Relocation Impact Memorandum prepared for the current Build Alternatives and Design Variations
- Updated analysis regarding whether the current Build Alternatives and Design Variations will potentially result in disproportionately high or adverse effects on low-income or minority (environmental justice) populations and a determination regarding the project's potential to affect such populations, pursuant to Executive Order (EO) 12898
- Updated analysis of any farmlands affected by the current Build Alternatives and Design Variations
- An updated summary of community outreach and involvement activities undertaken in support of the project, and an updated analysis of the potential for the current Build Alternatives and Design Variations to result in growth-related effects

The CIA will evaluate up to two different Build Alternatives, both of which would also include the Design Variations associated with the Eucalyptus Street realignment. The scope and cost assume two rounds of Caltrans review of the Draft CIA and one round of Caltrans review of the Final CIA prior to Caltrans approval of the CIA.

Deliverables:

- Draft Revised CIA (8 hard copies and 1 CD-ROM)
- Final Revised CIA (8 hard copies and 1 CD-ROM)

4.15 Categorical Exemption/Categorical Exclusion for Geotechnical Borings and Field Surveys

To provide information needed for preliminary design, geotechnical boring and field survey activities will need to be conducted as an early task in the engineering effort. LSA will prepare up to two Class 6 Categorical Exemptions pursuant to Section 15306 of the CEQA Guidelines (one for the geotechnical borings and one for the field surveys) for Caltrans approval, and a federal Categorical Exclusion pursuant to United States Code (USC) Title 23, Section 326, for approval by Caltrans. LSA

will also prepare two Natural Environment Study-Minimal Impacts (NES-MIs) in support of the Categorical Exemption/Categorical Exclusions (CE/CEs) (one NES-MI for each CE/CE). LSA will provide Caltrans up to six copies of each CE/CE. Once the CE/CE is approved, LSA will file it with the State Clearinghouse and the Riverside County Clerk.

Deliverables:

- NES-MI supporting the Class 6 CE for the geotechnical borings (8 hard copies and 1 CD-ROM)
- NES-MI supporting the Class 6 CE for the geotechnical field survey (8 hard copies and 1 CD-ROM)
- NES-MI supporting the federal CE (8 hard copies and 1 CD-ROM)

4.15.1/4.15.2 Natural Environment Study-Minimal Impact for Geotechnical Field Surveys and Geotechnical Boring

The NES-MI(s) prepared for geotechnically related activities will be conducted in accordance with Caltrans guidance to satisfy the requirements of CEQA and NEPA.

LSA will conduct a literature review to assist in determining the existence and potential occurrence of sensitive plant and animal species on site or in the project vicinity. Federal and State lists of sensitive species and current database records, including the California Natural Diversity Database (CNDDB) (CDFW 2016) and the California Native Plant Society's Electronic Inventory of Rare and Endangered Vascular Plants of California (Skinner et al. 2016), will be examined. In addition, biological studies prepared for the larger SR-60/Theodore Street Interchange project will be reviewed. In accordance with Caltrans guidelines, LSA will request from the United States Fish and Wildlife Service (USFWS) a list of threatened and endangered species known from the project vicinity using the USFWS IPaC (Information, Planning, and Conservation System). The results of the records search will be summarized in a table and included in the NES-MIs.

To verify the CNDDB search for listed and special-status species, the field work will be conducted by qualified biologists in order to document the presence/absence of sensitive biological resources (e.g., plant and animal species and habitats) and to determine the potential for occurrence of such resources that may not be detectable when the field work is conducted. The location of any sensitive biological resources present on site, including plants and plant communities, will be mapped. In addition, a discussion of any areas that may be considered wetlands or jurisdictional waters will be provided in the NES-MIs.

LSA will prepare an NES-MI report to include a description of the field methods used and the results of the biological assessment of the project area. The report will include a list of plant and animal species present within the project area and a general description of the plant communities occurring. If any sensitive resources are found on site, LSA will prepare and include in the NES-MI a graphic displaying the location of the sensitive plant communities on site and any sensitive biological resources observed. Tables describing sensitive species and their habitats that are present or potentially present will also be provided in the report. The report will also identify and assess project impacts on the existing biological resources, including any sensitive species. Conceptual mitigation measures will also be included as necessary.

The proposed scope of services includes preparation of one NES-MI for the geotechnical field survey and a separate NES-MI for the geotechnical borings to be reviewed by Michael Baker, the City, and Caltrans.

Deliverables:

- CE/CE Boring Notice of Exemption Form (8 copies and 1 CD-ROM)
- Draft NES-MI (8 hard copies and one CD-ROM)
- Final NES-MI (8 hard copies and one CD-ROM)

4.16 Screencheck Draft IS/EA

LSA will revise the completed Screencheck Draft IS/EA to reflect the results of the technical studies that were updated to address the Design Variations. The Screencheck Draft IS/EA will incorporate the CEQA Checklist, technical analyses, a discussion of critical environmental issues identified, an analysis of the cumulative and indirect effects of the project, proposed mitigation measures, an Environmental Commitment Record (ECR), and a listing of environmental (and related) permits required for implementation of the Modified Project. As discussed above, although not included in the Caltrans SER IS/EA Annotated Outline, LSA will prepare an Executive Summary for inclusion in the ED at the City’s request.

Tasks to be completed by LSA include:

- Prepare a Screencheck Draft IS/EA following the guidance stated above;
- Revise the Screencheck Draft IS/EA per internal Michael Baker review comments and submit it for review and approval (1 hard copy and 1 CD-ROM);
- Revise the Screencheck Draft IS/EA per City comments and submit it for review and/or approval (up to 3 hard copies and 2 CD-ROMs);
- Prepare an ED Preparation and Review Tool and an External Quality Control (QC) Certification Sheet for submittal to Caltrans along with the Screencheck Draft IS/EA;
- Revise the Screencheck Draft IS/EA per Caltrans comments and submit it for review and/or approval (up to 12 hard copies and 6 CD-ROMs); and
- Resolve any additional comments in a workshop setting.

Deliverable:

- Screencheck Draft IS/EA with ED Preparation and Review Tool and an External QC Certification Sheet (up to 12 hard copies and 6 CD-ROMs)

NOTE

The subsequent tasks have not yet been completed under the previous scope of work prepared for the original SR-60/Theodore Street Interchange Project. The budget has been amended to accommodate the additional work required to add the additional alternatives.

4.17 Draft Initial Study/Environmental Assessment

The Draft IS/EA with an updated ED Preparation and Review Tool and an External QC Certification Sheet will be submitted to Caltrans District 8 for signature. Because the Modified Project is an interchange improvement project, it is anticipated that a Routine IS/EA will be applicable as opposed to a Complex IS/EA. A Routine IS/EA would be approved by the District Director for circulation and would not be submitted to Caltrans Headquarters for review and comment. Per the SER, legal review is only required for Draft EISs and individual Section 4(f) Evaluations; therefore, legal review is not specified.

Assumptions:

- A Routine IS/EA would be approved by the Caltrans District Director for circulation and would not be submitted to Caltrans Headquarters for review and comment.
- No legal review is required.

Deliverables:

- Final Draft IS/EA (up to 12 copies and 1 CD-ROM)
- ED Preparation and Review Tool
- External QC Certification Sheet

4.18 Obtain Approval to Circulate (*No Scope or Budget Change*)

Once Caltrans District 8 is satisfied with the Draft IS/EA and issues an approval letter, LSA will work in close coordination with the Caltrans Environmental Coordinator to prepare all required notices to circulate the Draft IS/EA. Tasks to be completed by LSA include:

- Prepare the Notice of Completion (NOC) to be transmitted to the Office of Planning and Research (OPR)
- Prepare the Notice of Availability (NOA) of the IS/EA, Notice of Intent to Adopt an MND (NOI), and Notice of Public Hearing (NOPH)
- Submit all notices to Caltrans for approval and signatures

Deliverables:

- Approved Circulation of Draft IS/EA

4.19 Circulate Draft Initial Study/Environmental Assessment (*No Scope or Budget Change*)

Following approval of the Draft IS/EA, the NOA, NOI, and NOPH will be prepared for publication. The notices will be placed at least once in general-circulation newspapers, posted on and off site, and mailed directly to owners and occupants of contiguous properties. LSA will assist in conducting a formal public hearing. A Record of Public Hearing will be prepared and submitted to Caltrans. The public hearing will conform to the requirements of Caltrans' *Project Development Procedures Manual*, Chapter 11, and Article 7. When approval to circulate has been obtained from Caltrans and confirmed by the signed title sheet, LSA will circulate the Draft IS/EA with an unsigned

MND/Finding of No Significant Impact (FONSI) in accordance with the requirements of the Caltrans' SER. Before the Draft IS/EA is circulated, the Draft Project Report must be approved to ensure that the project concept in the Draft IS/EA is consistent with the Draft Project Report. The Draft IS/EA will be circulated to responsible agencies; trustee agencies; State, federal, and local agencies that have jurisdiction by law; bordering cities and counties; and other applicable groups or persons as suggested in the Caltrans SER. The California Transportation Commission (CTC) must review all projects that receive State highway funds. LSA will coordinate with Caltrans District 8 Environmental staff for transmittal of the Draft IS/EA to the CTC. Tasks to be completed by LSA include:

- Prepare up to 25 hard copies of the Draft IS/EA, up to 25 hard copies of the Executive Summary, and up to 200 CD-ROMs containing electronic files of the Draft IS/EA and Executive Summary;
- Submit an NOC and copies of Draft IS/EA to the State Clearinghouse;
- Distribute the Draft IS/EA to federal, State, and local agencies, as well as interested parties contained on the Master Distribution list for review and comments;
- Coordinate with the Caltrans to post the electronic version of the Draft IS/EA on the websites for public review and comments;
- File an NOI/NOA with the State Clearinghouse and County Clerk; and
- Maintain and update the distribution and invitation lists throughout the environmental review process.

Deliverables:

- Draft IS/EA (25 hard copies)
- Executive Summary (25 hard copies)
- 200 CD-ROMs containing electronic files of the Draft IS/EA and the Executive Summary
- Updates to the Master Distribution/Invitation Lists

5.0 PUBLIC MEETINGS AND OUTREACH CONDUCTED *(No Scope or Budget Change)*

5.1 Public Outreach Support and Public Meetings

LSA staff will provide limited assistance to plan and coordinate the public information meeting to be conducted during public review of the Draft IS/EA. The LSA Environmental QA/QC Principal (if requested) and Project Manager will attend the public meeting. LSA will provide up to four additional staff to attend the public meeting and staff the environmental stations during the meeting.

6.0 PREPARE FINAL ED AND OBTAIN ENVIRONMENTAL CLEARANCE

6.1 Task Management/Quality Assurance/Quality Control

LSA will conduct QC and review of all technical documents and EDs prepared as part of this scope of services based on LSA QA/QC procedures and Caltrans QA/QC procedures, including the five-step NEPA QC process.

Deliverable:

- QA/QC documentation

6.2 Prepare Response to Comments Matrix (*No Scope or Budget Change*)

LSA will maintain documentation and provide responses to internal and public comments on the Draft IS/EA. A response-to-comments matrix outlining how and where the revisions to the documents have been made will be included in the revised Draft and Final IS/EAs. The response-to-comments matrix will be provided to Caltrans for review and concurrence prior to finalization of the Draft and Final IS/EAs.

Deliverable:

- Response to Comments Matrix (1 hard copy and 1 CD ROM)

6.3 Select Preferred Project Alternative

This task is not included in LSA's scope of services.

6.4 Final Project Report

This task is not included in LSA's scope of services.

6.5 Final ED (*No Scope Change and Minor Budget Change*)

After public distribution of the Draft ED, LSA will prepare a Final ED to document the selection of the preferred alternative and address public comments on the Draft IS/EA.

The Final ED will be submitted to Caltrans for review. Comments will be resolved in a workshop setting.

Environmental Commitment Record (*No Scope or Budget Change*). LSA will develop an ECR to be included with the Final IS/EA submittal. The plan will identify avoidance, minimization, and/or mitigation measures necessary to reduce potential significant environmental impacts to a less than significant level. The ECR will identify all design, construction, and post-regulatory mitigation requirements; the responsible party; timing; and verification. Monitoring may include the submittal of monitoring sheets/reports to Caltrans and other agencies.

Final ED (MND/FONSI) (*No Scope or Budget Change*). Following development of the ECR, the Final IS/EA will be prepared and submitted for approval. The proposed MND will be signed and incorporated into the Final IS/EA. The Final IS/EA will also become part of the Project Report. The Final IS/EA will be submitted for approval and signature along with the Checklist for Final Documents and a request to issue a FONSI. Following Caltrans review, any comments will be

addressed and the Final IS/EA will be resubmitted. LSA will coordinate with Caltrans District 8 Environmental staff for transmittal of the approved MND/FONSI and IS/EA to the CTC.

Deliverables:

- Approved ECR
- Draft IS/EA(up to 20 hard copies and 20 CD-ROMs)
- Final IS/EA (up to 20 hard copies and 20 CD-ROMs)

6.6 Notice of Determination and Notice of Availability (*No Scope or Budget Change*)

Filing of the NOD completes the CEQA ED process. A Draft NOD will be prepared and submitted to Caltrans for review and comment. Following this review, a final NOD will be prepared and submitted to Caltrans. LSA will send a copy of the NOD and a copy of the NOA for the FONSI to the OPR along with proof of payment of an environmental filing fee to the CDFW. The estimated filing fees to be paid directly by the City include the \$2,216.25⁶ CDFW environmental filing fee and a \$50 County processing fee. However, the CDFW and County filing fees are subject to change and the City is responsible for the cost of the filing fees at the time the NOD is filed.

LSA will also prepare a draft statute of limitations (SOL) notice for submittal to Caltrans for its review and transmittal to the FHWA for publication in the Federal Register. Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) Section 6002 established a 180-day SOL on claims against the United States Department of Transportation and other federal agencies for certain environmental and other approval actions if certain circumstances apply. The enactment of MAP-21 revised this to a 150-day SOL.

Assumption:

- The estimated filing fees to be paid directly by the City include a \$2,216.25 CDFW environmental filing fee and a \$50 County processing fee. The CDFW and County filing fees are subject to change and the City is responsible for the cost of the filing fees at the time the NOD is filed.

Deliverables:

- Filed NOD
- Filed NOA – FONSI

⁶ The CDFW filing and County processing fees noted above are current as of January 1, 2017, but are subject to change. Therefore, fees may be higher by the time the NOD is filed.

7.0 ENVIRONMENTAL MITIGATION NEGOTIATION AND PERMITTING *(No Scope or Budget Change)*

7.1 Resource Agency Permit-Related Coordination

Regulatory permits may be required for impacts to jurisdictional waters of the United States and State from the USACE, State Water Resources Control Board (SWRCB), and CDFW. The accurate permitting requirements cannot be determined until the NES and JD report are prepared.

7.2 Federal Clean Water Act and California Fish and Game Code Permits

Without the finalized NES and JD, the following reflects LSA's best estimate and assumptions for the federal Clean Water Act (CWA) and California Fish and Game Code permits.

Permit Preparation. LSA will prepare packages for submittal to the USACE, the CDFW, and the Regional Water Quality Control Board (RWQCB) to obtain the required authorizations pursuant to Section 404 of the CWA, Sections 1600 et seq. of the California Fish and Game Code, and Section 401 of the CWA, respectively, for any disturbance to the potential streambed between the Theodore Street and Gilman Springs interchanges. It is necessary that the project design be sufficiently complete to identify all permanent and temporary construction impacts before the permitting process is initiated.

Streambed Alteration Agreement Package. The CDFW is empowered to issue agreements for any alteration of a river, stream, or lake where fish or wildlife resources may be adversely affected. In order to obtain a Streambed Alteration Agreement (SAA), LSA will prepare and submit to the CDFW a Notification of Streambed Alteration for the proposed project. The notification letter will include the following information and attachments.

- A discussion, with supporting figures, of existing and/or potential biological resources, project impacts to the CDFW jurisdictional area, and mitigation measures to compensate for anticipated project impacts;
- A completed Notification Form and Project Questionnaire;
- A complete set of project design/construction plans and drawings;
- A copy of the JD, compensatory mitigation plan, and Storm Water Pollution Prevention Plan (SWPPP);
- Evidence of local project CEQA certification; and
- A check for payment of the application fee to be paid by the City (this fee is not included in the current fee for this proposal).

Section 404 Authorization Request. Obtaining authorization under Section 404 requires that the applicant (the City of Moreno Valley) prepare a notification requesting authorization for fill of jurisdictional waters. In this case, it is anticipated that the proposed impacts would be authorized under a nationwide permit (NWP). LSA will prepare and submit an NWP Preconstruction Notification to the USACE. The notification will include the following information and attachments:

- A detailed project description, including the project’s background;
- A discussion (with supporting figures) of existing and/or potential biological resources, project impacts to USACE jurisdictional areas, and mitigation measures to compensate for anticipated project impacts;
- A complete set of project design/construction plans and drawings;
- A copy of the JD, compensatory mitigation plan, and SWPPP;
- A copy of the cultural resources report;
- A copy of the Section 401 Water Quality Certification package; and
- Evidence of local project CEQA certification.

Section 401 Certification of Water Quality Request. To issue authorization for fill of waters under Section 404 of the CWA, the USACE is required to ensure that the RWQCB has issued a Certification of Water Quality or waste discharge requirements in compliance with Section 401 of the CWA. LSA will prepare and submit a Request for Water Quality Certification to the RWQCB. The request letter will include the following information and attachments:

- A completed Section 401 Water Quality Certification Form, including the required supplemental text and figures;
- A complete set of project design/construction plans and drawings;
- A copy of the JD, compensatory mitigation plan, and SWPPP;
- A copy of the Section 404 Authorization package;
- Evidence of local project CEQA certification; and
- A check for payment of the application fee to be paid by the City (this fee is not included in current fee for this proposal).

Compensatory Mitigation Plan. LSA will coordinate with the City to prepare a compensatory mitigation plan for the project. LSA will also consult with resource agency personnel prior to preparing the compensatory mitigation plan to negotiate proposed mitigation strategies to be described in the compensatory mitigation plan. On-site mitigation is generally preferred over off-site mitigation or contribution to an in-lieu fee program.

LSA will develop the compensatory mitigation plan to achieve the mitigation criteria as set forth in the ED and MSHCP compliance, and as anticipated to be required by the resource agencies as permit conditions designed to offset impacts to jurisdictional waters and sensitive habitats. This mitigation plan will include a general evaluation of the project’s impacts, the location of potential mitigation areas/sites, habitat types to be created or enhanced, the general implementation strategy, the supporting rationale, and target and ultimate performance standards for the mitigation measures. LSA will also develop basic revegetation strategies addressing hydrological requirements, soils requirements, general species selection, types of revegetation to be employed, sources for plant materials, planting techniques, monitoring and maintenance, and documentation of results.

The compensatory mitigation plan will be provided in draft form for review by the City. Following City staff review, LSA will assist the City in coordinating with the appropriate resource agencies to obtain their concurrence on the mitigation plan.

Assumptions:

- An NWP, rather than an Individual Permit, will be required for the USACE 404 permit.
- There will be one stream/drainage crossing.
- The mitigation in the MSHCP and the Determination of Biologically Equivalent or Superior Preservation will be used for the coordinated CDFW 1600 permit.
- One tri-agency meeting will be held with the Regional Conservation Authority to negotiate mitigation and permitting requirements.
- A check for payment of the application fees will be paid by the City for the CDFW 1600 Permit and RWQCB Applications (these fees are not included in the fee proposal)
- A Final Hydrology Report has been approved by the City and Caltrans.
- A Final HPSR will be approved and signed by Caltrans and SHPO if required.

Deliverables:

- USACE 404 Permit Application (6 hard copies)
- RWQCB 401 Permit Application (6 hard copies)
- CDFW 1600 Permit Application (SAA Package) (6 hard copies)

EXHIBIT 10-H COST PROPOSAL (Page 1 of 2)
ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS
(DESIGN, ENGINEERING AND ENVIRONMENTAL STUDIES)

Consultant LSA Associates, Inc. Contract No. 801 0052 70 77 Date 1/11/2018

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Principal/QA/QC	R. McCann	106	\$ 115.83	\$ 12,277.98
Associate Environmental	K. Thomas	509	\$ 53.83	\$ 27,399.47
Principal Biology	B. Selna	22	\$ 58.40	\$ 1,284.80
Principal Air/Noise	T. Chung	16	\$ 68.86	\$ 1,101.76
Principal Cultural Resource	D. McLean	40	\$ 62.96	\$ 2,518.40
Associate Environmental	N. West	160	\$ 52.75	\$ 8,440.00
Senior AQ Specialist	R. Bruggen	58	\$ 41.00	\$ 2,378.00
Associate Biology	D. Woodard	84	\$ 42.88	\$ 3,601.92
Senior Noise Specialist	J. Lui	264	\$ 42.03	\$ 11,095.92
Senior Environmental Planner	D. Atwater	200	\$ 37.90	\$ 7,580.00
Assistant Environmental Planner	C. McDonell	68	\$ 24.04	\$ 1,634.72
Associate Biology	S. Spencer	136	\$ 40.75	\$ 5,542.00
Senior Cultural Resources Manager	C. Tibbet	100	\$ 38.46	\$ 3,846.00
Senior Paleontological Resources Manager	S. Rieboldt	42	\$ 38.15	\$ 1,602.30
Senior Editor	S. Dong	0	\$ 34.41	\$ -
Biologist	L. Magee	12	\$ 37.50	\$ 450.00
Cultural Resources Manager	E. Bechtel	62	\$ 27.14	\$ 1,682.68
Associate Office Assistant	M. Zentner	0	\$ 24.04	\$ -
Senior Cultural Resources Manager	R. Goodwin	0	\$ 33.36	\$ -
GIS Specialist	J. Dean	0	\$ 27.88	\$ -
Graphics Technician	M. Phillips	2	\$ 40.58	\$ 81.16
Technical Editor	M. Mello	106	\$ 26.50	\$ 2,809.00
Editor	E. James	0	\$ 27.24	\$ -
Administrative Assistant	I. Rojas	0	\$ 20.76	\$ -
Office Assistant	L. Makakaufaki	84	\$ 20.76	\$ 1,743.84
Senior GIS Specialist	M. Canterbury	244	\$ 34.67	\$ 8,459.48
Associate - Technical Editor	B. Inloes	62	\$ 35.44	\$ 2,197.28
Word Processor	A. Hernandez	52	\$ 26.20	\$ 1,362.40
Word Processor	C. Virgil	54	\$ 27.49	\$ 1,484.46
Assistant Environmental Planner	A. Bean	383	\$ 25.00	\$ 9,575.00
Total Hours		2,866		

LABOR COSTS

a) Subtotal Direct Labor Costs	\$ 120,148.57
b) Anticipated Salary Increases (see page 2 for sample)	\$ -
c) TOTAL DIRECT LABOR COSTS [(a)+(b)]	\$ 120,148.57

FRINGE BENEFITS

d) Fringe Benefits (Rate)	<u>94.95%</u>	e) TOTAL FRINGE BENEFITS [(c) x (d)]	\$ 114,081.07
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INDIRECT COSTS

f) Overhead (Rate)	<u> </u>	g) Overhead [(c) x (f)]	\$ -
h) General and Administrative (Rate)	<u>92.48%</u>	i) Gen & Admin [(c) x (h)]	\$ 111,113.40
		j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]	\$ 225,194.46

FEE (Profit)

q) (Rate)	<u>10.00%</u>	k) TOTAL FIXED PROFIT [(c) + (j) x (q)]	\$ 34,534.30
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OTHER DIRECT COSTS (ODC)

Description	Unit(s)	Unit Cost	Total
l) Travel/ Mileage Costs (supported by consultant actual costs)		\$ -	\$ -
m) Equipment Rental and Supplies (itemize)		\$ -	\$ -
n) Permit Fees (itemize), Plan Sheets (each), Test Holes (each), etc.		\$ -	\$ -
o) Subconsultant Costs (attach detailed cost proposal in same format as prime consultant estimate for each subconsultant)	1	\$ 40,000.00	\$ 40,000.00
			p) TOTAL OTHER DIRECT COSTS [(l) + (m) + (n) + (o)]
			\$ 40,000.00
			TOTAL COST [(c) + (j) + (k) + (p)]
			\$ 419,877.34

Notes:

- Employees subject to prevailing wage requirements to be marked with an *.
- ODC items should be based on actual costs and supported by historical data and other documentation.
- ODC items that would be considered "tools of the trade" are not reimbursable.
- ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
- ODC items when incurred for the same purpose, in like circumstances, should not be included in any indirect cost pool or in overhead rate.

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

LSA

Task Description	Hours																				Subconsultants ODC=Other Direct Costs			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)				
	Principal/QA/QC	Associate Environmental	Principal Biology	Principal Air/Noise	Principal Cultural Resource	Associate Environmental	Senior AQ Specialist	Associate Biology	Senior Noise Specialist	Senior Environmental Planner	Assistant Environmental Planner	Associate Biology	Senior Cultural Resources Manager	Senior Paleontological Resources Manager	Biologist	Cultural Resources Manager	Graphics Technician	Technical Editor	Office Assistant	Senior GIS Specialist	Associate Technical Editor	Word Processor	Word Processor			Assistant Environmental Planner	Hrs	Sub	Dollars
	\$ 366	\$ 170	\$ 185	\$ 218	\$ 199	\$ 167	\$ 130	\$ 136	\$ 133	\$ 120	\$ 76	\$ 129	\$ 122	\$ 121	\$ 119	\$ 86	\$ 128	\$ 84	\$ 66	\$ 110	\$ 112	\$ 83	\$ 87			\$ 79			
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																													
1.0C Draft Project Report Approved by Caltrans	1	4																									\$ -		
1.1C Task Management and Meetings																											\$ -		
1.2C Project Scoping																											\$ -		
1.3C Project Scheduling																											\$ -		
1.4C Project Funding Support																											\$ -		
1.5C Geometric Alternatives Analysis																											\$ -		
1.6C Traffic Analysis and Study	1	2																						2			\$ -		
1.7C Obtain Right of Entry		2																						4			\$ -		
1.8C Selection of Locally Preferred Alternative																											\$ -		
1.9C Construction Phasing Plan																											\$ -		
1.10C Draft Project Report																											\$ -		
2.0C Preliminary Engineering Studies Approved by Caltrans																											\$ -		
2.1C Task Management and Meetings																											\$ -		
2.2C Geometric Plans for Project Alternatives																											\$ -		
2.3C Drainage Assessment																											\$ -		
2.4C Storm Water Data Report																											\$ -		
2.5C Conceptual Stage Construction Plan																											\$ -		
2.6C Preliminary Transportation Management Plan Data Sheet																											\$ -		
2.7C Utility Assessment																											\$ -		
2.8C Right of Way Data Sheets																											\$ -		
2.9C Life Cycle Cost Analysis																											\$ -		
2.10C Preliminary Geotechnical Investigations and Evaluation																											\$ -		
2.11C Structure Advance Planning Study (APS)																											\$ -		
2.12C Conceptual Bridge Architecture																											\$ -		
2.13C Preliminary Landscape and Aesthetics Plan																											\$ -		
2.14C Preliminary Cost Estimates																											\$ -		
2.15C ICE Workshop																											\$ -		
2.16C Roundabout Workshop																											\$ -		
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans																											\$ -		
3.1C Fact Sheets for Exception to Design Standards																											\$ -		
4.0B Prepare and Circulate Draft Environmental Document	102	489	20	14	38	156	58	82	262	200	68	136	96	38	8	60	2	100	78	240	62	52	54	364		\$ -			
4.1C Task Management and Meetings	26	293																							18		\$ -		
4.2C Area of Potential Effects (APE) Map	1	8		4	4					32	8		20			10		2	40					30		\$ -			
4.3C Water Quality Assessment Report (WQAR)	4	4			8													4	6	6	4	4	12			\$ -			
4.4C Noise Study Report	6	8		6			2		196							2	3	6	14	8	8	8				\$ -			
4.5C Noise Abatement Decision Report (NADR)	4	4							50											8	8	8				\$ -			
4.6C Visual Impact Assessment (VIA)		2			2					2														2		\$ -			
4.7C Farmland Technical Memorandum	2	2			6													4	4	2		2	12			\$ -			
4.8C Draft Relocation Impact Statement (DRIS)	2	4								4								2	2	4	2	2				\$ -			
4.9C Air Quality Analysis Report (AQAR)	7	22		4	2	40				20							4	4	4	4	4	8				\$ -			
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)	1	2			2								10					2	4	4	2	2	2			\$ -			
4.11C Archaeological Survey Report (ASR)/HPSR/HER	3	4			18					64	36		56	12		40		16	24	16			76			\$ -			
4.13B Natural Environment Study (NES)	2	8	14					42					76					8	6	14						\$ -			
4.14C CE/CE for Geotech Borings	2	12	2					24					42					10	4	4			20			\$ -			
4.15C Screencheck Draft IS/EA	22	56	2	2	4	12	8	12	8	44		12	12	12	4	4		20	8	64	16	16	16	120		\$ -			
4.16C Draft IS/EA	10	20	2	2	2	2	8	4	8	12		6	8	4	4	6		8	4	24	10	8	8	44		\$ -			
4.17C Obtain Approval to Circulate																											\$ -		
4.18C Circulate Draft IS/EA																											\$ -		
4.19C Community Impact Assessment	10	40			8	120				42	4							31	8	48			20			\$ -			

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

LSA

Task Description	Hours																												Subconsultants ODC=Other Direct Costs			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)
	Principal/QA/QC	Associate Environmental	Principal Biology	Principal Air/Noise	Principal Cultural Resource	Associate Environmental	Senior AQ Specialist	Associate Biology	Senior Noise Specialist	Senior Environmental Planner	Assistant Environmental Planner	Associate Biology	Senior Cultural Resources Manager	Senior Paleontological Resources Manager	Biologist	Cultural Resources Manager	Graphics Technician	Technical Editor	Office Assistant	Senior GIS Specialist	Associate - Technical Editor	Word Processor	Word Processor	Assistant Environmental Planner	Hrs	Sub	Dollars						
	\$ 366	\$ 170	\$ 185	\$ 218	\$ 199	\$ 167	\$ 130	\$ 136	\$ 133	\$ 120	\$ 76	\$ 129	\$ 122	\$ 121	\$ 119	\$ 86	\$ 128	\$ 84	\$ 66	\$ 110	\$ 112	\$ 83	\$ 87	\$ 79									
5.0C Public Meetings and Outreach Conducted																																	
5.1C Public Outreach Support and Public Meetings																																	
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Clr	3	16	2	2	2	4		2	2				4	4	4	2		6	6	4			13										
6.1C Task Management and Meetings		8																															
6.2C Prepare Response to Comments Matrix	2		2	2	2	4		2	2				4	4	4	2		6	6	4			8										
6.3C Select Preferred Project Alternative	1	4																															
6.4C Final Project Report																																	
6.5C Final Environmental Document		4																															
6.6C NOD and NOA																																	
7.0C Environmental Mitigation Negotiation and Permitting Complete																																	
7.1C Resource Agency Permit Related Coordination																																	
7.2C Federal Clean Water Act and California Fish and Game Code Permits																																	
8.0C Geometric Approval Drawings Complete and Approved by Caltrans																																	
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9.0C Design Mapping and Surveys Complete Approved by Caltrans																																	
9.1C Photogrammetric Surveys																																	
9.2C Preliminary Right of Way Mapping																																	
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey																																	
10.0C Other Services Directed by the City																																	
10.1C Update Federal Funding Documentation																																	
10.01C Updated Federal Funding Documentation																																	
10.2C FASTLANE Funding Documentation																																	
10.02C FASTLANE Funding Documentation																																	
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% P																																	
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12.3C Landscape and Aesthetics Plan																																	
12.4C Bridge Site Data Submittal																																	
12.5C Bridge Type Selection																																	
12.6C Storm Water Data Report																																	
12.7C Drainage Report																																	
12.8C Transportation Management Plan Data Sheet																																	
12.9C Geotechnical Design and Reports																																	
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																																	
15.1C Task Management and Meetings																																	
15.2C Right of Way Requirement Maps																																	
15.3C Appraisal Map																																	
15.4C Legal Descriptions																																	
15.5C Right of Way Map																																	
OTHER DIRECT COSTS FOR PHASE 1B																																	
C Reproduction & Mileage																																	
C Appraisals and Review Appraisal																																	
C Title																																	
C Other Direct Costs																																	
PHASE 1 SUBTOTAL:	106	509	22	16	40	160	58	84	264	200	68	136	100	42	12	62	2	106	84	244	62	52	54	383			\$ 40,000	2,866	\$ 419,877				



2280 Market Street, Suite 200
Riverside, CA 92501
951.683.2353 ph | 951.683.3901 fax

April 25, 2017

Rebecca Young, P.E., Project Engineer
Michael Baker International, Inc.
3536 Concourse Street, Suite 100
Ontario, CA 91764
VIA EMAIL: Ryoung@MBakerIntl.com

RE: SR-60 at Theodore Street Interchange Project - Change Order Proposal

Dear Ms. Young:

On Behalf of **Overland, Pacific & Cutler, Inc. (OPC)**, I would like to thank you for giving us the opportunity to submit this change order proposal to provide Michael Baker International, Inc. (MBI) with additional cost estimation and Caltrans right of way data sheet preparation services.

Project Understanding

It is our understanding an alignment shift is proposed to both Alternative 2 and 6, resulting in significant changes to the right of way impacts as identified in the approved January 25, 2016 Right of Way Data Sheets. It is anticipated that both new alternatives, Alternative 2a and 6a, will impact approximately seventy-six (76) parcels with sixty-five (65) common to Alternative 2 and 6, and six (6) parcels for a landfill property to be utilized for borrow material and common to all four (4) alternatives. MBI is requesting OPC to prepare one (1) preliminary right of way cost estimate and one (1) Caltrans Right of Way Data Sheet as required by the Caltrans Right of Way Manual for each of the new design alternatives. Also requested are updates to the approved January 25, 2016 Right of Way Data Sheets for Alternatives 2 and 6 to include the landfill property impacts. It is also expected that OPC update signatures/dates to the January 25, 2016 Right of Way Data Sheets for each of the original alternatives as a result of the delay to the project schedule.

Scope of Services

The following scope of services is anticipated for this project:

Project Management

1. Track and manage all budgetary-related aspects of OPC's Scope of Work.
2. Maintain ongoing general consultation and project coordination with the Client, SBTC, County, and other project team members.
3. Provide quality assurance and quality control.

Right of Way Cost Estimate/Caltrans Data Sheets

1. Take an inventory of the affected properties.
2. Secure preliminary parcel information from online database sources and investigate current ownerships. Utilizing this information and Assessor's Roll information, determine other valuation considerations such as zoning, lot and building size, current usage, and other relevant factors.
3. Visually inspect each property (aerial and street-level views) and note the effects of all proposed acquisitions.
4. Sort each property into product types to determine the set of real estate data to be researched and create valuation data sets for each product type.

5. Update 2015 comparable sales data with recent property listings and available sales data.
6. Prepare an estimate of the probable cost of each partial acquisition, as well as permanent and temporary easement interests, including (for partial acquisitions) damages to the remaining parcel using created data sets from various real estate value databases.
7. Prepare an estimate of the probable relocation assistance (if applicable) for each residential or non-residential occupant located on each property.
8. Prepare an estimate of the total probable loss of business goodwill (if applicable) attributable to each operating business.
9. Prepare an estimate of the inspection and demolition costs (if applicable) associated with delivering each cleared site.
10. Prepare an estimate of the total services and incidental costs associated with each real estate acquisition program (appraisals, acquisition and relocation consultants, title/escrow, legal services, etc.).
11. Prepare the latest Caltrans Right of Way Data Sheet according to the Caltrans Right of Way Manual for Alternatives 2a and 6a.
12. Updates to original Caltrans Right of Way Data Sheet according to the Caltrans Right of Way Manual for Alternatives 2 and 6 to include landfill property impacts.
13. Provide QA/QC of final work product, submit to client and other Project Team members, and respond to inquiries.

It is assumed that information regarding impacted utility and railroad facilities, necessary to completion of the Caltrans Right of Way Data Sheet, will be provided by the client. It is also assumed that costs provided for estimates and data sheets are for initial preparation only and do not include revisions based upon design change issues.

Right of Way Cost Estimate/Caltrans Data Sheet Revisions

OPC shall revise Right of Way Estimates/Caltrans Data Sheets as necessary to accommodate design changes for Alternatives 2a/6a and update signatures/dates for Alternatives 2/6. Prior to proceeding with any revisions, OPC shall develop a mutually agreed management strategy with MBI that shall include an estimated schedule, scope, and budget for revision. It is assumed that four (4) hours at the analyst position is required to provide as-needed updates.

Fee Proposal

The following cost proposal is separated into each of the phases as described above.

Fee Proposal	
<p>Project Management Includes scope/fee/schedule management, QA/QC, client coordination, and consultation throughout the project.</p>	\$1,419.00
<p>Right of Way Cost Estimate/Caltrans Data Sheets Includes preparation of Caltrans R/W Data Sheets for up to seventy-six (76) parcels and two (2) project alternatives according to the latest Caltrans standards and formats.</p>	\$4,352.51



<p>Right of Way Cost Estimate/Caltrans Data Sheet Revisions Includes updates to Right of Way Estimates/Caltrans Data Sheets as necessary to accommodate design for the new alternatives and signature/date/inclusion of landfill impact revisions to the old alternatives.</p>	<p>\$491.19</p>
<p>FEE TOTAL*:</p>	<p>\$6,262.70</p>

Based on the above, we are requesting the following fee schedule for all work involved.

Fee Summary	Cost
Original Contract Amount	\$86,976.00
Change Order – Right of Way Cost Estimate	\$6,262.70
Total Change Order Amount	\$93,238.70

Refer to the attached spreadsheet for additional information regarding hourly rates and fees.

Thank you for the opportunity to submit this change order proposal and we look forward to the opportunity of working with you on this project. Should you have any questions or need additional information, please do not hesitate to contact me or Josh Cosper at 951.683.2353.

Sincerely,

Overland Pacific & Cutler, Inc.

Accepted and Approved



Mark LaBonte
Program Manager, Principal

Name

Date



**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

OPC

Task Description	Hours																	Subconsultants			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)	
	Engineering Manager	Project Engineer	Right of Way Analyst	Right of Way Analyst	Right of Way Analyst													Hrs	Sub	Dollars			
	\$ 205	\$ 126	\$ 61	\$ 75	\$ 61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																							
1.0C Draft Project Report Approved by Caltrans																					\$ -	0	\$ -
1.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.2C Project Scoping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.3C Project Scheduling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.4C Project Funding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.5C Geometric Alternatives Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.6C Traffic Analysis and Study	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.7C Obtain Right of Entry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.8C Selection of Locally Preferred Alternative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.9C Construction Phasing Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
1.10C Draft Project Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.0C Preliminary Engineering Studies Approved by Caltrans	2	12	48	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	82	\$ 6,263
2.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.2C Geometric Plans for Project Alternatives	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.3C Drainage Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.4C Storm Water Data Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.5C Conceptual Stage Construction Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.6C Preliminary Transportation Management Plan Data Sheet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.7C Utility Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.8C Right of Way Data Sheets	2	12	48	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	82.00	\$ 6,263
2.9C Life Cycle Cost Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.10C Preliminary Geotechnical Investigations and Evaluation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.11C Structure Advance Planning Study (APS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.12C Conceptual Bridge Architecture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.13C Preliminary Landscape and Aesthetics Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.14C Preliminary Cost Estimates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.15C ICE Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
2.16C Roundabout Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	0	\$ -
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans																					\$ -	0	\$ -
3.1C Fact Sheets for Exception to Design Standards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.0C Prepare and Circulate Draft Environmental Document																					\$ -	0	\$ -
4.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.2C Area of Potential Effects (APE) Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.3C Water Quality Assessment Report (WQAR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.4C Noise Study Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.5C Noise Abatement Decision Report (NADR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.6C Visual Impact Assessment (VIA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.7C Farmland Technical Memorandum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.8C Draft Relocation Impact Statement (DRIS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.9C Air Quality Analysis Report (AQA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.11C Archaeological Survey Report (ASR)/HPSR/HER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.13B Natural Environment Study (NES)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.14C CE/CE for Geotech Borings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.15C Screencheck Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.16C Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.17C Obtain Approval to Circulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.18C Circulate Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
4.19C Community Impacts Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

OPC

Task Description	Hours																	Subconsultants			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)	
	Engineering Manager	Project Engineer	Right of Way Analyst	Right of Way Analyst	Right of Way Analyst													Hrs	Sub	Dollars			
	\$ 205	\$ 126	\$ 61	\$ 75	\$ 61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
5.0C Public Meetings and Outreach Conducted																					\$ -	0	\$ -
5.1C Public Outreach Support and Public Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Cir																					\$ -	0	\$ -
6.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.2C Prepare Response to Comments Matrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.3C Select Preferred Project Alternative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.4C Final Project Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.5C Final Environmental Document	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.6C NOD and NOA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
7.0C Environmental Mitigation Negotiation and Permitting Complete																					\$ -	0	\$ -
7.1C Resource Agency Permit Related Coordination	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
7.2C Federal Clean Water Act and California Fish and Game Code Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
8.0C Geometric Approval Drawings Complete and Approved by Caltrans																					\$ -	0	\$ -
8.1C Geometric Approval Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.0C Design Mapping and Surveys Complete Approved by Caltrans																					\$ -	0	\$ -
9.1C Photogrammetric Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.2C Preliminary Right of Way Mapping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.0C Other Services Directed by the City																					\$ -	0	\$ -
10.0C Other Services Directed by the City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.1C Update Federal Funding Documentation																					\$ -	0	\$ -
10.01C Updated Federal Funding Documentation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.2C FASTLANE Funding Documentation																					\$ -	-	\$ -
10.02C FASTLANE Funding Documentation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% P																					\$ -	0	\$ -
12.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.2C Design Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.3C Landscape and Aesthetics Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.4C Bridge Site Data Submittal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.5C Bridge Type Selection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.6C Storm Water Data Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.7C Drainage Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.8C Transportation Management Plan Data Sheet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.9C Geotechnical Design and Reports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																					\$ -	0	\$ -
15.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.2C Right of Way Requirement Maps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.3C Appraisal Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.4C Legal Descriptions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.5C Right of Way Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
OTHER DIRECT COSTS FOR PHASE 1C																					\$ -	0	\$ -
C Reproduction & Mileage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Appraisal and Review Appraisal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Title	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Other Direct Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
PHASE 1 SUBTOTAL:	2	12	48	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	82	\$ 6,263



862 E Hospitality Lane
Suite 200
San Bernardino, CA 92408
Ph: 909-888-1106
Fax: 909-889-1884

Ms. Rebecca Young, PE
Project Manager
Michael Baker International
3536 Concourse Street, Suite 100
Ontario, CA 91764

January 09, 2018

Subject: State Route (SR-60)/Theodore Street Interchange Improvements Project – Project Approval & Environmental Document (PA&ED)

Dear Ms. Young,

For the subject project, located in the City of Moreno Valley, California, WSP (formerly Parsons Brinckerhoff) is being directed by Michael Baker International (formerly RBF Consulting, Inc.) to perform additional services that are outside of our original scope of work. Therefore, WSP hereby requests Amendment No. 3 to the original Contract Agreement.

The following scope of work for additional services as requested by Michael Baker International will be performed by WSP:

1.6C Traffic Analysis and Study

1. Ramp and Interchange Closure Study

CONSULTANT shall prepare a Ramp Closure Study in accordance with Caltrans' *Community Impact Assessment* guidelines¹, similar in scope to the previous study², but using updated information on roads and traffic volumes. CONSULTANT will update the ramp and interchange closure study based on revised project description, updated project exhibits, and additional construction durations anticipated because of the Eucalyptus Avenue Design Variations. The update will consider two (2) design variations, Alternative 2a and Alternative 6a as shown in Exhibit A. The update will cover only figures and text in Chapters 4 and 5 of the report. Updates to the discussion of methodology (Chapter 2), existing conditions (Chapter 3) and the LOS analysis are excluded from the scope of work. The deliverable will include information required to be presented to the Headquarters Lane Closure Review Committee Review, which includes Conceptual Construction Staging Exhibits (prepared as part of Task 2.5C), the Transportation Management Plan (prepared as part of Task 2.6C), the Lane Closure Request Form and Traffic Signal Warrant Worksheets. Participation and attendance at a Lane Closure Review Committee meeting is anticipated prior to approval of the interchange closure.

2. Forecast Validation Memorandum

CONSULTANT will prepare a Forecast Validation Memorandum that will evaluate the traffic forecast data to determine if the 2013 existing conditions data approved in the approved Traffic

¹ *Community Impact Assessment, Standard Environmental Reference, Environmental Handbook Volume 4*, Caltrans, October 2011

² *SR-60/Theodore Interchange PA/ED Ramp Closure Study*, Parsons Brinckerhoff, June 2014



Impact Analysis can be considered representative of current (2016/2017) Existing conditions, and if the 2017 Opening Year forecasts approved in the approved Traffic Impact Analysis can be considered as representative of 2020 Opening Year conditions. Linear extrapolation will be used to analyze the current volumes. The revised existing and opening year conditions are a result of the revised project schedule identified in Task 1.3C. The Forecast Validation Memorandum will be an attachment to the Draft Project Report identified in Task 1.10C. Additional counts will be obtained for the same locations as described in the approved Traffic Impact Analysis study for the Forecast Validation Memorandum.

In the event that traffic patterns have changed, based on the new traffic counts, to the point where the assumptions used in the Traffic Impact Analysis can no longer be considered valid and additional analysis is required, such analysis will be the subject of an updated/revised Traffic Impact Analysis report as described in task 1.6C (3) herein.

3. Traffic Impact Analysis Report

As per the analysis in task 1.6C (2) and as directed by the City of Moreno Valley, CONSULTANT will update the traffic analysis that was done for the SR-60/Theodore Interchange project in 2014 and 2015³. CONSULTANT shall prepare a Traffic Impact Analysis report for the SR-60/Theodore Interchange in conformance with Caltrans guidelines⁴ that will cover:

- The study intersections to be analyzed will be the same as in the previous study, namely (see Exhibit 1):
 - Theodore Street/Ironwood Avenue
 - Theodore Street/Westbound SR-60 Ramps
 - Theodore Street/Eastbound SR-60 Ramps
 - Theodore Street/Fir (Eucalyptus) Avenue
 - Redlands Boulevard/Ironwood Avenue
 - Redlands Boulevard/Westbound SR-60 Ramps
 - Redlands Boulevard/Eastbound SR-60 Ramps
 - Redlands Boulevard/Fir (Eucalyptus) Avenue
- The freeway sections to be analyzed will be the same as in the previous study, namely:
 - SR-60 between Moreno Beach Drive and Redlands Boulevard
 - SR-60 between Redlands Boulevard and Theodore Street
 - SR-60 between Theodore Street and Gilman Springs Road
- The freeway ramps to be analyzed will be the same as in the previous study, namely:

³ *SR-60/Theodore Interchange PA/ED Traffic Impact Analysis*, Parsons Brinckerhoff, January 2015

⁴ *Guide for the Preparation of Traffic Impact Studies*, Caltrans, December 2002



- Theodore Street/Westbound SR-60 Ramps
- Theodore Street/Eastbound SR-60 Ramps
- Redlands Boulevard/Westbound SR-60 Ramps
- Redlands Boulevard/Eastbound SR-60 Ramps

Assumptions:

- a. While the previous analysis was a suitable basis for selecting from various design alternatives, it cannot also be used for completion of the environmental compliance documentation because:
 - A comparison of 2017 traffic counts to 2013 counts in the vicinity of the project (performed as part of task 1.6C (2) above) found that the percentage changes in volumes exceeded the 10% threshold within which an “Existing Conditions” analysis can be considered to remain valid.
 - CEQA requires that the background assumptions for future-year scenarios be based either on an adopted plan or be based on a list of existing, known, or reasonably foreseeable projects. The earlier analysis used background assumptions from the SCAG 2012 RTP/SCS, which is no longer an adopted plan (since it has been superseded by the 2016 RTP/SCS). Hence, the passage of time has also rendered the previous future conditions analyses unusable for CEQA purposes.
- b. Re-doing the entire previous traffic study is not required because:
 - The original traffic impact analysis used two sets of land use and road network assumptions, namely those associated with the Moreno Highlands Specific Plan and those associated with the World Logistics Center, which at the time was under study but not yet adopted. Now that the World Logistics Center has been approved by the City, no further analysis of the Moreno Highlands Specific Plan will be needed. Thus, only one set of traffic forecasts, based on the World Logistics Center, will be used going forward.
 - Of the seven build alternatives studied in the original traffic impact analysis only Alternative 6 remains under consideration. No further analysis will be needed of the other six alternatives. Furthermore, any design variations of Alternative 6, such as different configurations for the Theodore/Eucalyptus intersection, will use the same turning movement volumes as the base case analysis.
- c. Based on the understandings described above, the assumptions to be used for the new traffic study are:
 - The opening date of the SR-60/Theodore Interchange is being shifted from 2022 to 2025, and the horizon/design year shifted from 2040 to 2045⁵. The study years will therefore be 2017, 2025, and 2045.
 - The project alternatives to be studied are the No Build Alternative and two Build Alternatives corresponding to Alternative 2 and Alternative 6 in the previous study.

⁵ Caltrans requires a minimum 20-year planning horizon after the opening year



- d. CONSULTANT shall prepare Responses to Public Comments on the Traffic Impact Analysis, for a not-to-exceed level of effort of 40 hours.

4. Traffic Data for Construction Emission Analysis

CONSULTANT will analyze traffic data as input to construction emission analysis to evaluate haul truck capacity and average daily trips based on the quantity of soil (assume 1.5 million cubic yards of import borrow) to be hauled from the Badlands Landfill, located northeast of the SR-60/Theodore Street Interchange, to the project site. CONSULTANT will provide this analysis for one (1) alternative for the worst-case scenario. Evaluating and analyzing interchange or intersection Level of Service analysis for hauling import borrow and construction emission analysis is not included in this scope of work. Traffic counts for Ironwood are included in the scope.

Updates to VISSIM analysis for design variations 2a and 6a are excluded from this scope of work.

Deliverables

- Revised Ramp and Interchange Closure Study Report
- Lane Closure Review Committee Meeting Attendance
- Draft/Final Forecast Validation Memo
- Draft/Final New Traffic Impact Analysis Report
- Updated Traffic Volumes Memo for Noise and Air Quality Analysis
- Traffic Data for Construction Emission Analysis

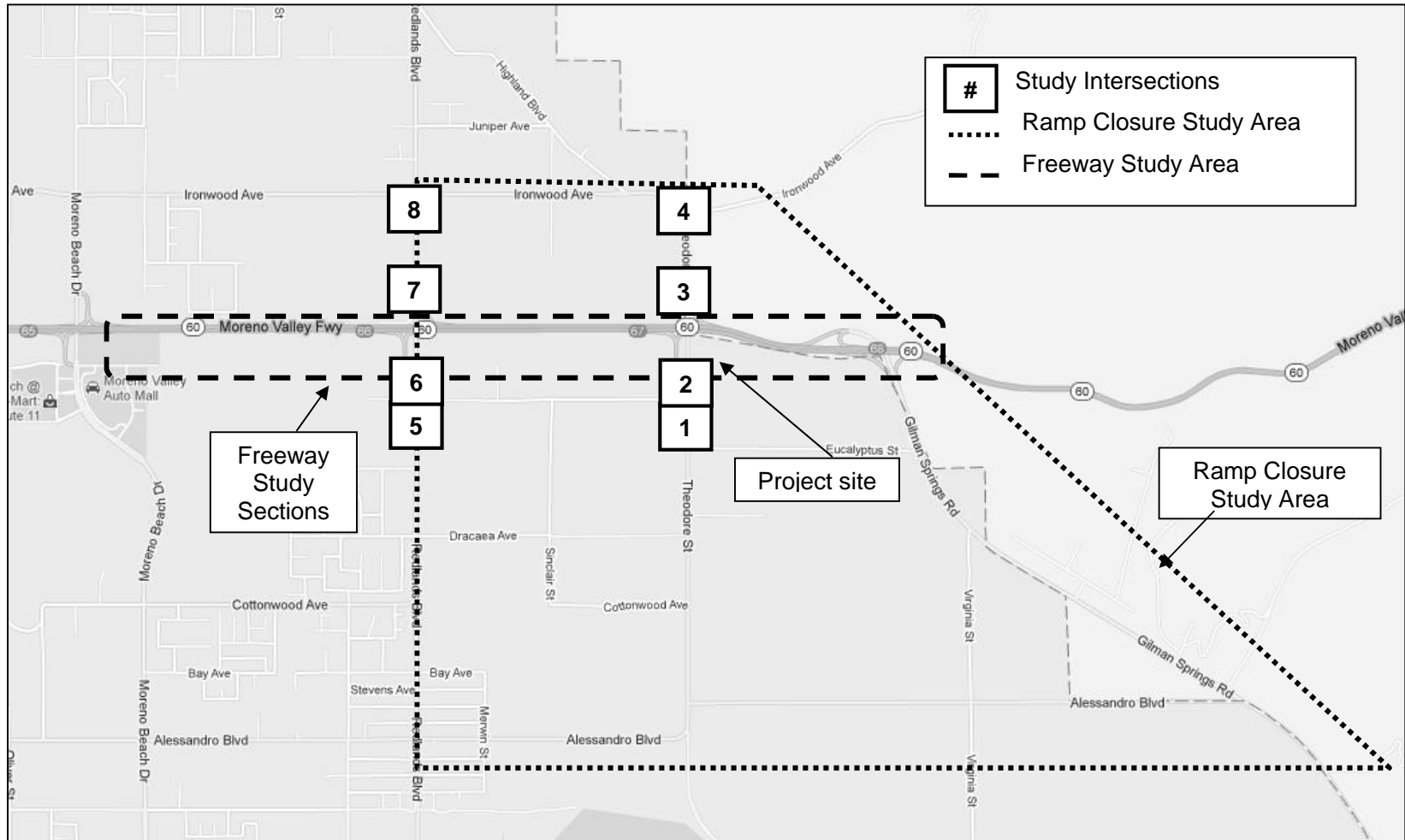


Exhibit 1: Study Area



5. Traffic Impact Analysis (Expended Out of Scope Work)

As requested by Caltrans and directed by RBF, six (6) mainline lanes were assumed, instead of the four along SR-60 in the vicinity of Theodore Street interchange for the future year traffic forecasts. This change in assumptions was requested by Caltrans after the completion of the traffic volumes forecast and Draft Traffic Impact Analysis Report. This assumption is contrary to expectations and usual transportation planning practice since the widening of SR-60 is not in the approved Southern California Association of Governments (SCAG) 2012-2035 Regional Transportation Plan (RTP). The change in assumptions required the earlier modeling work based on the four-lane assumption to be re-done.

The original proposal, scope of work, and budget assumed that the Level of Service (LOS) analysis for intersections and freeway sections would be performed using VISSIM software. Caltrans required that the intersection and freeway analysis be performed using Synchro and Highway Capacity Software (HCS), respectively. After the VISSIM analysis was completed per the original scope of work, RBF directed PB, to reanalyze the LOS analysis using Synchro and HCS, to comply with Caltrans' request.

The following additional services have been performed as directed by RBF for Task 1.6-Traffic Analysis and Study:

- A) Revised RivTAM forecasts in response to Caltrans' comments for the following study years:
 - Opening Year Conditions (2017) - The background assumptions included the Existing land uses and roadway network plus other known projects expected to be complete by 2017, including Phase 1 of the World Logistics Center (WLC).
 - Cumulative Conditions per General Plan (2040) - The land use and network assumptions followed the SCAG 2012 RTP for areas outside of Moreno Valley and the Moreno Valley General Plan for areas inside the City. For the WLC site the Moreno Highlands Specific Plan (MHSP), not the WLC, was assumed, since that is the official plan at the time of this study.
 - Cumulative Conditions with WLC (2040). The land use and network assumptions will follow the SCAG 2012 RTP for areas outside of Moreno Valley and the Moreno Valley General Plan for areas inside the City, except for the WLC site for which the full build-out of the WLC is assumed.

- B) Updated Draft Traffic Forecasts Volumes Report
 - Updated technical memorandum describing the components of the model, the land use and network assumptions, and the forecast traffic volumes for each study year.

- C) Performed Synchro analyses for the following 8 study intersections:
 - Theodore Street/Ironwood Avenue
 - Theodore Street/Westbound SR-60 Ramps
 - Theodore Street/Eastbound SR-60 Ramps
 - Theodore Street/Fir (Eucalyptus) Avenue
 - Redlands Boulevard/Ironwood Avenue
 - Redlands Boulevard/Westbound SR-60 Ramps



- Redlands Boulevard/Eastbound SR-60 Ramps
- Redlands Boulevard/Fir (Eucalyptus) Avenue

D) Revised HCS analysis of the study freeway segments

Revised HCS analysis of traffic flows along SR-60 in both directions from Gilman Springs Road eastbound off-ramp to Moreno Beach Drive westbound off-ramp. Revised weaving analysis for the six (6) Build alternative configurations for the Theodore Street interchange for the study years mentioned in scope item “A” above.

Analyzed the section of Theodore Street from Fir (Eucalyptus) Avenue to Ironwood Avenue and the section of Redlands Boulevard from Fir (Eucalyptus) Avenue to Ironwood Avenue. These analyses covered the AM and PM peak periods. This analysis focused on the LOS of the eight study intersections, and issues regarding queuing and storage space for turning movements.

The intersections were analyzed using HCM Chapter 16 methodologies for signalized intersections and HCM Chapter 17 methodologies for unsignalized intersections. Freeway segments were analyzed using HCM operational analysis.

E) Revised the Draft Traffic Impact Analysis Report based on the revised assumptions and results from scope items “A” through “D” above.

1.9C Construction Phasing Plan

CONSULTANT will develop one (1) preliminary stage construction phasing based on cost, traffic and any other related factors based upon the locally preferred alternative. A preliminary stage construction phasing plan shall be prepared to verify constructability and feasibility of traffic handling due to phasing the project. It is assumed that the phasing would identify a standalone phase that could be completed at a different time with transitions to existing or proposed roadways.

Deliverable

- Preliminary Stage Construction Phasing Plan Exhibits

2.4C Storm Water Data Report

CONSULTANT will update the Storm Water Data Report to include the revised project area accounting for the design variations, the revised project costs, and the revised project schedule. Hydromodification calculations, if required, will be prepared and provided by Michael Baker International.

The Storm Water Data Report will be updated in conformance with CALTRANS requirements in the CALTRANS Project Planning and Design Guide (February 2016). Per CALTRANS comments received on July 10, 2015, the Storm Water Data Report will be updated after circulation of the Draft Environmental Document and selection of a Locally Preferred Alternative.



Deliverables

- Draft/Final Storm Water Data Report

2.5C Conceptual Stage Construction Plan

Additional effort to incorporate the design variations for Alternative 2 and Alternative 6 have been deferred to the final design (PS&E) phase and no additional deliverables will be produced for the design variations during the PA&ED phase.

Deliverables

- No additional deliverables for design variations.

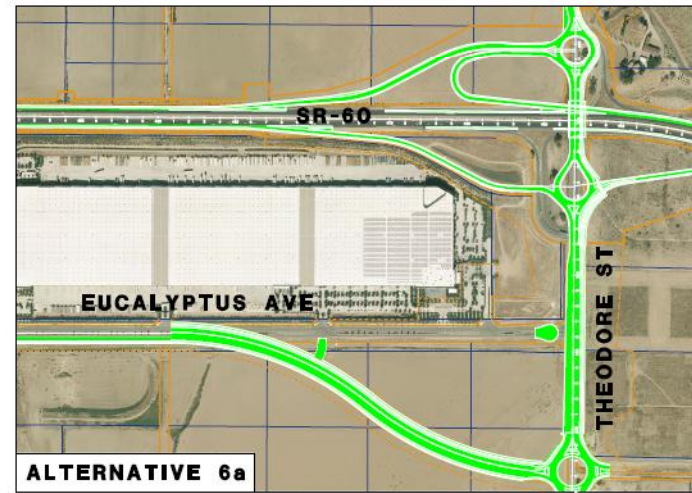
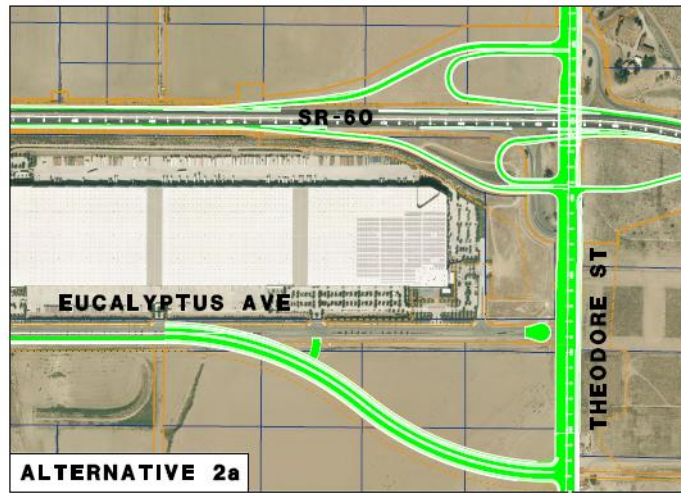
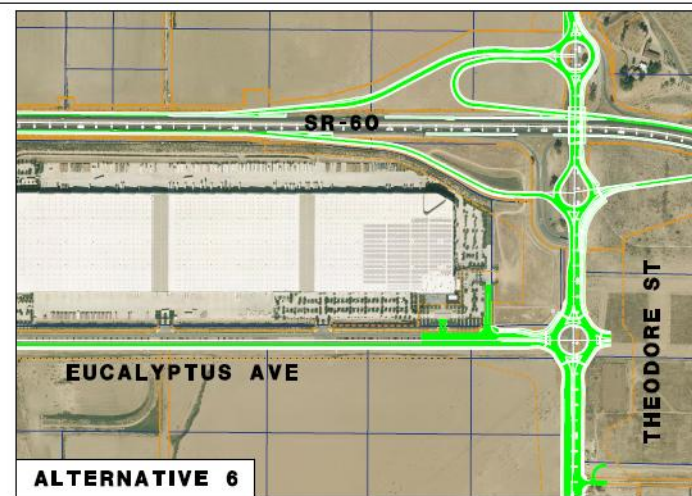
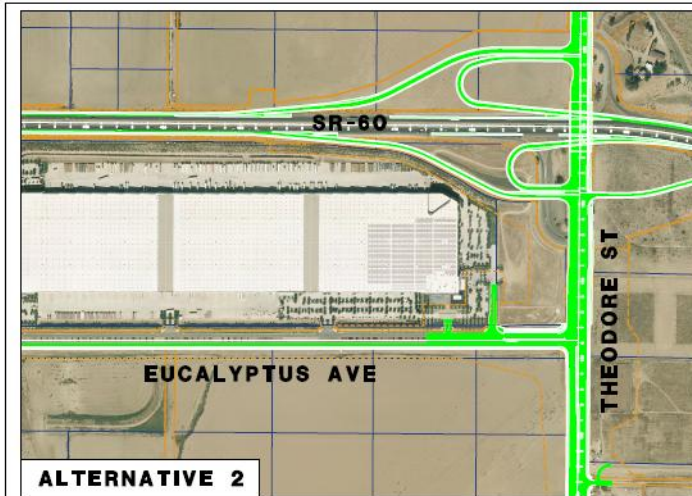
2.6C Preliminary Transportation Management Plan Data Sheet

CONSULTANT will update the Preliminary Transportation Management Plan Data sheet for the two (2) build alternatives based on the previously developed Conceptual Stage Construction Plans, the updated project cost estimates (Task 2.14C), and the updated project schedule (Task 1.3C). It is assumed that the design variations will be included as a worst-case scenario in the two (2) build alternatives.

Deliverable

- Updated Preliminary Transportation Management Plan Data Sheet for two (2) build alternatives.

Assumed two (2) reviews by Caltrans for each deliverable described in this scope of work.



NOTE: FOR DISCUSSION PURPOSES ONLY.
LINEWORK IS ASSUMED UNTIL FURTHER STUDIED.

SR-60/THEODORE STREET INTERCHANGE PROJECT

**DESIGN VARIATIONS
JULY 2016**

NO SCALE



Exhibit 2: Design Variations

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

PB

Task Description	Hours													Subconsultants CU=Counts Unlimited ODC=Other Direct Costs			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)	
	Project Manager	Project Administrator	Senior Planning Manager	Senior Supervising Engineer	Supervising Planner	Supervising Engineer	Lead Planner	Lead Engineer	Design Engineer	Senior CADD Designer	Senior Project Administrator	Senior Engineer/Planner	Hrs	Sub	Dollars				
	\$ 209	\$ 125	\$ 265	\$ 237	\$ 184	\$ 181	\$ 139	\$ 160	\$ 111	\$ 153	\$ 139	\$ 146							
PHASE 1C - PROJECT REPORT AND ENVIRONMENTAL DOCUMENT																			
1.0C Draft Project Report Approved by Caltrans	4	40	186	43	168	103	238	214								\$ -	996	\$ 182,318	
1.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.2C Project Scoping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.3C Project Scheduling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.4C Project Funding Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.5C Geometric Alternatives Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.6C Traffic Analysis and Study	4	36	186	35	168	91	238	194							\$ -	952.00	\$ 174,542		
1.7C Obtain Right of Entry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.8C Selection of Locally Preferred Alternative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
1.9C Construction Phasing Plan	-	4	-	8	-	12	-	20	-	-	-	-	-	-	\$ -	44.00	\$ 7,776		
1.10C Draft Project Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.0C Preliminary Engineering Studies Approved by Caltrans		9		22		98		70							\$ -	199	\$ 35,314		
2.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.2C Geometric Plans for Project Alternatives	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.3C Drainage Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.4C Storm Water Data Report	-	8	-	16	-	90	-	50	-	-	-	-	-	-	\$ -	164.00	\$ 29,112		
2.5C Conceptual Stage Construction Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.6C Preliminary Transportation Management Plan Data Sheet	-	1	-	6	-	8	-	20	-	-	-	-	-	-	\$ -	35.00	\$ 6,201		
2.7C Utility Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.8C Right of Way Data Sheets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.9C Life Cycle Cost Analysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.10C Preliminary Geotechnical Investigations and Evaluation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.11C Structure Advance Planning Study (APS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.12C Conceptual Bridge Architecture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.13C Preliminary Landscape and Aesthetics Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.14C Preliminary Cost Estimates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.15C ICE Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
2.16C Roundabout Workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
3.0C Fact Sheets for Exceptions to Design Standards Approved by Caltrans															\$ -	0	\$ -		
3.1C Fact Sheets for Exception to Design Standards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.0B Prepare and Circulate Draft Environmental Document															\$ -	0	\$ -		
4.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.2C Area of Potential Effects (APE) Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.3C Water Quality Assessment Report (WQAR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.4C Noise Study Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.5C Noise Abatement Decision Report (NADR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.6C Visual Impact Assessment (VIA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.7C Farmland Technical Memorandum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.8C Draft Relocation Impact Statement (DRIS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.9C Air Quality Analysis Report (AQA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.10C Paleontological Identification/Paleontological Eval Rpt (PIR/PER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.11C Archaeological Survey Report (ASR)/HPSR/HER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.13B Natural Environment Study (NES)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.14C CE/CE for Geotech Borings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.15C Screencheck Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.16C Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.17C Obtain Approval to Circulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.18C Circulate Draft IS/EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	
4.19C Community Impacts Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -	

**ESTIMATED HOURS AND FEE AMENDMENT No. 4
SR-60 AT THEODORE STREET INTERCHANGE
CITY OF MORENO VALLEY**

PB

Task Description	Hours													Subconsultants CU=Counts Unlimited ODC=Other Direct Costs			Total Estimated Hours	Total Estimate Fee (Amendment No. 4)		
	Project Manager	Project Administrator	Senior Planning Manager	Senior Supervising Engineer	Supervising Planner	Supervising Engineer	Lead Planner	Lead Engineer	Design Engineer	Senior CADD Designer	Senior Project Administrator	Senior Engineer/Planner	Hrs	Sub	Dollars					
	\$ 209	\$ 125	\$ 265	\$ 237	\$ 184	\$ 181	\$ 139	\$ 160	\$ 111	\$ 153	\$ 139	\$ 146								
5.0C Public Meetings and Outreach Conducted																		\$ -	0	\$ -
5.1C Public Outreach Support and Public Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.0C Prepare Final Env Document, Final Project Report and Obtain Env Clr																		\$ -	0	\$ -
6.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.2C Prepare Response to Comments Matrix	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.3C Select Preferred Project Alternative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.4C Final Project Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.5C Final Environmental Document	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
6.6C NOD and NOA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
7.0C Environmental Mitigation Negotiation and Permitting Complete																		\$ -	0	\$ -
7.1C Resource Agency Permit Related Coordination	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
7.2C Federal Clean Water Act and California Fish and Game Code Permits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
8.0C Geometric Approval Drawings Complete and Approved by Caltrans																		\$ -	0	\$ -
8.1C Geometric Approval Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.0C Design Mapping and Surveys Complete Approved by Caltrans																		\$ -	0	\$ -
9.1C Photogrammetric Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.2C Preliminary Right of Way Mapping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
9.3C Land Net Mapping and Surveys / Pre-Con Record of Survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.0C Other Services Directed by the City																		\$ -	0	\$ -
10.0C Other Services Directed by the City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.1C Update Federal Funding Documentation																		\$ -	0	\$ -
10.1C Updated Federal Funding Documentation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
10.2C FASTLANE Funding Documentation																		\$ -	-	\$ -
10.2C FASTLANE Funding Documentation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.0C 65% Design Plans, Specifications, and Estimates Authorized by Caltrans to Proceed to 95% PS&E																		\$ -	0	\$ -
12.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.2C Design Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.3C Landscape and Aesthetics Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.4C Bridge Site Data Submittal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.5C Bridge Type Selection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.6C Storm Water Data Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.7C Drainage Report	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.8C Transportation Management Plan Data Sheet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
12.9C Geotechnical Design and Reports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.0C Right of Way Legal/Plats and Appraisal Maps Complete																		\$ -	0	\$ -
15.1C Task Management and Meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.2C Right of Way Requirement Maps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.3C Appraisal Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.4C Legal Descriptions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
15.5C Right of Way Map	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
OTHER DIRECT COSTS FOR PHASE 1C																		\$ 11,500	0	\$ 11,500
C Reproduction & Mileage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Appraisal and Review Appraisal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Title	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	-	\$ -
C Traffic Counts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 11,500	-	\$ 11,500
PHASE 1 SUBTOTAL:	4	49	186	65	168	201	238	284	0	0	0	0					\$ 11,500	1,195	\$ 229,131	

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

**EXHIBIT G
CITY OF MORENO VALLEY
CALTRANS CONSULTANT
SUPPLEMENTARY GENERAL CONDITIONS**

The following provisions, pursuant to Caltrans Local Assistance Procedures Manual Chapter 10, Exhibit 10R, as it may be amended from time to time, are included in the Agreement. These provisions supersede any conflicting provisions in the General Conditions and shall take precedence over the General Conditions for purposes of interpretation of the General Conditions. These provisions do not otherwise modify or replace General Conditions not in direct conflict with these provisions. Definitions used in these provisions are as contained in the General Conditions.

- A. This contract is between the following named, hereinafter referred to as, CONSULTANT and the following named, hereinafter referred to as, LOCAL AGENCY:

The name of the "CONSULTANT" is as follows:

Michael Baker International Inc.

3536 Concourse, Suite 100

Ontario, CA 91764

Incorporated in the State of Pennsylvania

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

The Project Manager for the "CONSULTANT" will be *Rebecca Young, P.E.*

The name of the "LOCAL AGENCY" is as follows:

THE CITY OF MORENO VALLEY

The Contract Administrator for LOCAL AGENCY will be the **Public Works Director/City Engineer or his/her designee.**

ARTICLE IV PERFORMANCE PERIOD

This contract shall go into effect on February 6, 2018, contingent upon approval by LOCAL AGENCY, and CONSULTANT shall commence work after notification to proceed by LOCAL AGENCY'S Contract Administrator. The contract shall end on December 31, 2020 unless extended by contract amendment.

- A. CONSULTANT is advised that any recommendation for contract award is not binding on LOCAL AGENCY until the contract is fully executed and approved by LOCAL AGENCY.
- B. The period of performance for each specific project shall be in accordance with the Task Order for that project. If work on a Task Order is in progress on the expiration date of this contract, the terms of the contract shall be extended by contract amendment.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

ARTICLE V ALLOWABLE COSTS AND PAYMENTS

- A. The method of payment for this contract will be based on lump sum. The total lump sum price paid to CONSULTANT will include compensation for all work and deliverables, including travel and equipment described in Article II Statement of Work of this contract. No additional compensation will be paid to CONSULTANT, unless there is a change in the scope of the work or the scope of the project. In the instance of a change in the scope of work or scope of the project, adjustment to the total lump sum compensation will be negotiated between CONSULTANT and LOCAL AGENCY. Adjustment in the total lump sum compensation will not be effective until authorized by contract amendment and approved by LOCAL AGENCY.
- B. Progress payments may be made monthly in arrears based on the percentage of work completed by CONSULTANT. If CONSULTANT fails to submit the required deliverable items according to the schedule set forth in the Statement of Work, LOCAL AGENCY shall have the right to delay payment or terminate this Contract in accordance with the provisions of Article VI Termination.
- C. CONSULTANT shall not commence performance of work or services until this contract has been approved by LOCAL AGENCY and notification to proceed has been issued by LOCAL AGENCY'S Contract Administrator. No payment will be made prior to approval of any work, or for any work performed prior to approval of this contract.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- D. CONSULTANT will be reimbursed, as promptly as fiscal procedures will permit, upon receipt by LOCAL AGENCY'S Contract Administrator of itemized invoices in triplicate. Invoices shall be submitted no later than 45 calendar days after the performance of work for which CONSULTANT is billing. Invoices shall detail the work performed on each milestone, on each project as applicable. Invoices shall follow the format stipulated for the Cost Proposal and shall reference this contract number and project title. Final invoice must contain the final cost and all credits due LOCAL AGENCY that include any equipment purchased under the provisions of Article XI Equipment Purchase of this contract. The final invoice should be submitted within 60-calendar days after completion of CONSULTANT's work. Invoices shall be mailed to LOCAL AGENCY's Contract Administrator at the following address:

City of Moreno Valley
Capital Projects
PO Box 88005
Moreno Valley, CA 92552-0805
techinfo-capproj@moval.org

- E. The total amount payable by LOCAL AGENCY shall not exceed \$3,315,222.36.

ARTICLE VI TERMINATION

- A. LOCAL AGENCY reserves the right to terminate this contract upon thirty (30) calendar days written notice to CONSULTANT with the reasons for

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

termination stated in the notice.

- B. LOCAL AGENCY may terminate this contract with CONSULTANT should CONSULTANT fail to perform the covenants herein contained at the time and in the manner herein provided. In the event of such termination, LOCAL AGENCY may proceed with the work in any manner deemed proper by LOCAL AGENCY. If LOCAL AGENCY terminates this contract with CONSULTANT, LOCAL AGENCY shall pay CONSULTANT the sum due to CONSULTANT under this contract prior to termination, unless the cost of completion to LOCAL AGENCY exceeds the funds remaining in the contract. In which case the overage shall be deducted from any sum due CONSULTANT under this contract and the balance, if any, shall be paid to CONSULTANT upon demand.
- C. The maximum amount for which the LOCAL AGENCY shall be liable if this contract is terminated is \$0 dollars.

ARTICLE VII COST PRINCIPLES AND ADMINISTRATIVE REQUIREMENTS

- A. CONSULTANT agrees that the Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., shall be used to determine the cost allowability of individual items.
- B. CONSULTANT also agrees to comply with federal procedures in accordance with 49 CFR, Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- C. Any costs for which payment has been made to CONSULTANT that are determined by subsequent audit to be unallowable under 49 CFR, Part 18 and 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., are subject to repayment by CONSULTANT to LOCAL AGENCY.

ARTICLE VIII RETENTION OF RECORDS/AUDIT

For the purpose of determining compliance with Public Contract Code 10115, et seq. and Title 21, California Code of Regulations, Chapter 21, Section 2500 et seq., when applicable and other matters connected with the performance of the contract pursuant to Government Code 8546.7; CONSULTANT, subconsultants, and LOCAL AGENCY shall maintain and make available for inspection all books, documents, papers, accounting records, and other evidence pertaining to the performance of the contract, including but not limited to, the costs of administering the contract. All parties shall make such materials available at their respective offices at all reasonable times during the contract period and for three years from the date of final payment under the contract. The state, State Auditor, LOCAL AGENCY, FHWA, or any duly authorized representative of the Federal Government shall have access to any books, records, and documents of CONSULTANT and its certified public accountants (CPA) work papers that are pertinent to the contract and indirect cost rates (ICR) for audit, examinations, excerpts, and transactions, and copies thereof shall be furnished if

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

requested.

ARTICLE IX AUDIT REVIEW PROCEDURES

- A. Any dispute concerning a question of fact arising under an interim or post audit of this contract that is not disposed of by agreement, shall be reviewed by LOCAL AGENCY'S Chief Financial Officer.
- B. Not later than 30 days after issuance of the final audit report, CONSULTANT may request a review by LOCAL AGENCY'S Chief Financial Officer of unresolved audit issues. The request for review will be submitted in writing.
- C. Neither the pendency of a dispute nor its consideration by LOCAL AGENCY will excuse CONSULTANT from full and timely performance, in accordance with the terms of this contract.
- D. CONSULTANT and subconsultant contracts, including cost proposals and ICR, are subject to audits or reviews such as, but not limited to, a contract audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the contract, cost proposal and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR, Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review it is CONSULTANT's responsibility to ensure federal, state, or local government officials are

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

allowed full access to the CPA's work papers including making copies as necessary. The contract, cost proposal, and ICR shall be adjusted by CONSULTANT and approved by LOCAL AGENCY contract manager to conform to the audit or review recommendations. CONSULTANT agrees that individual terms of costs identified in the audit report shall be incorporated into the contract by this reference if directed by LOCAL AGENCY at its sole discretion. Refusal by CONSULTANT to incorporate audit or review recommendations, or to ensure that the federal, state or local governments have access to CPA work papers, will be considered a breach of contract terms and cause for termination of the contract and disallowance of prior reimbursed costs.

ARTICLE X SUBCONTRACTING

- A. Nothing contained in this contract or otherwise, shall create any contractual relation between LOCAL AGENCY and any subconsultant(s), and no subcontract shall relieve CONSULTANT of its responsibilities and obligations hereunder. CONSULTANT agrees to be as fully responsible to LOCAL AGENCY for the acts and omissions of its subconsultant(s) and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by CONSULTANT. CONSULTANT's obligation to pay its subconsultant(s) is an independent obligation from LOCAL AGENCY'S obligation to make payments to the CONSULTANT.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- B. CONSULTANT shall perform the work contemplated with resources available within its own organization and no portion of the work pertinent to this contract shall be subcontracted without written authorization by LOCAL AGENCY's Contract Administrator, except that, which is expressly identified in the approved Cost Proposal.
- C. CONSULTANT shall pay its subconsultants within ten (10) calendar days from receipt of each payment made to CONSULTANT by LOCAL AGENCY.
- D. All subcontracts entered into as a result of this contract shall contain all the provisions stipulated in this contract to be applicable to subconsultants.
- E. Any substitution of subconsultant(s) must be approved in writing by LOCAL AGENCY's Contract Administrator prior to the start of work by the subconsultant(s).

ARTICLE XI EQUIPMENT PURCHASE

- A. Prior authorization in writing, by LOCAL AGENCY's Contract Administrator shall be required before CONSULTANT enters into any unbudgeted purchase order, or subcontract exceeding \$5,000 for supplies, equipment, or CONSULTANT services. CONSULTANT shall provide an evaluation of the necessity or desirability of incurring such costs.
- B. For purchase of any item, service or consulting work not covered in CONSULTANT's Cost Proposal and exceeding \$5,000 prior authorization by LOCAL AGENCY's Contract Administrator; three competitive quotations must

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

be submitted with the request, or the absence of bidding must be adequately justified.

- C. Any equipment purchased as a result of this contract is subject to the following: "CONSULTANT shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two years and an acquisition cost of \$5,000 or more. If the purchased equipment needs replacement and is sold or traded in, LOCAL AGENCY shall receive a proper refund or credit at the conclusion of the contract, or if the contract is terminated, CONSULTANT may either keep the equipment and credit LOCAL AGENCY in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established LOCAL AGENCY procedures; and credit LOCAL AGENCY in an amount equal to the sales price. If CONSULTANT elects to keep the equipment, fair market value shall be determined at CONSULTANT's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by LOCAL AGENCY and CONSULTANT, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by LOCAL AGENCY." 49 CFR, Part 18 requires a credit to Federal funds when participating equipment with a fair market value greater than \$5,000 is credited to the project.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

ARTICLE XII STATE PREVAILING WAGE RATES (Verbatim)

- A. CONSULTANT shall comply with the State of California's General Prevailing Wage Rate requirements in accordance with California Labor Code, Section 1770, and all Federal, State, and local laws and ordinances applicable to the work.
- B. Any subcontract entered into as a result of this contract, if for more than \$25,000 for public works construction or more than \$15,000 for the alteration, demolition, repair, or maintenance of public works, shall contain all of the provisions of this Article, unless the awarding agency has an approved labor compliance program by the Director of Industrial Relations.
- C. When prevailing wages apply to the services described in the scope of work, transportation and subsistence costs shall be reimbursed at the minimum rates set by the Department of Industrial Relations (DIR) as outlined in the applicable Prevailing Wage Determination. See <http://www.dir.ca.gov>.

ARTICLE XIII CONFLICT OF INTEREST

- A. CONSULTANT shall disclose any financial, business, or other relationship with LOCAL AGENCY that may have an impact upon the outcome of this contract, or any ensuing LOCAL AGENCY construction project. CONSULTANT shall also list current clients who may have a financial interest in the outcome of this contract, or any ensuing LOCAL AGENCY construction project, which will follow.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- B. CONSULTANT hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of services under this contract.
- C. CONSULTANT hereby certifies that neither CONSULTANT, nor any firm affiliated with CONSULTANT will bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract. An affiliated firm is one, which is subject to the control of the same persons through joint-ownership, or otherwise.
- D. Except for subconsultants whose services are limited to providing surveying or materials testing information, no subconsultant who has provided design services in connection with this contract shall be eligible to bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract.

**ARTICLE XIV REBATES, KICKBACKS OR OTHER UNLAWFUL
CONSIDERATION**

CONSULTANT warrants that this contract was not obtained or secured through rebates kickbacks or other unlawful consideration, either promised or paid to any LOCAL AGENCY employee. For breach or violation of this warranty, LOCAL AGENCY shall have the right in its discretion; to terminate the contract

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

without liability; to pay only for the value of the work actually performed; or to deduct from the contract price; or otherwise recover the full amount of such rebate, kickback or other unlawful consideration.

**ARTICLE XV PROHIBITION OF EXPENDING LOCAL AGENCY STATE OR
FEDERAL FUNDS FOR LOBBYING**

A. CONSULTANT certifies to the best of his or her knowledge and belief that:

1. No state, federal or local agency appropriated funds have been paid, or will be paid by-or-on behalf of CONSULTANT to any person for influencing or attempting to influence an officer or employee of any state or federal agency; a Member of the State Legislature or United States Congress; an officer or employee of the Legislature or Congress; or any employee of a Member of the Legislature or Congress, in connection with the awarding of any state or federal contract; the making of any state or federal grant; the making of any state or federal loan; the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any state or federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federal appropriated funds have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency; a Member of Congress; an officer or employee of Congress, or an employee of a Member of Congress; in

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

connection with this federal contract, grant, loan, or cooperative agreement; CONSULTANT shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

- B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
- C. CONSULTANT also agrees by signing this document that he or she shall require that the language of this certification be included in all lower-tier subcontracts, which exceed \$100,000 and that all such sub recipients shall certify and disclose accordingly.

ARTICLE XVI STATEMENT OF COMPLIANCE

- A. CONSULTANT's signature affixed herein, and dated, shall constitute a certification under penalty of perjury under the laws of the State of California that CONSULTANT has, unless exempt, complied with, the nondiscrimination program requirements of Government Code Section

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

12990 and Title 2, California Administrative Code, Section 8103.

- B. During the performance of this Contract, Consultant and its subconsultants shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Consultant and subconsultants shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and subconsultants shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Contract by reference and made a part hereof as if set forth in full.

Consultant and its subconsultants shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

- C. The Consultant shall comply with regulations relative to Title VI

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

(nondiscrimination in federally-assisted programs of the Department of Transportation – Title 49 Code of Federal Regulations, Part 21 - Effectuation of Title VI of the 1964 Civil Rights Act). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in the state of California shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.

- D. The Consultant, with regard to the work performed by it during the Agreement shall act in accordance with Title VI. Specifically, the Consultant shall not discriminate on the basis of race, color, national origin, religion, sex, age, or disability in the selection and retention of Subconsultants, including procurement of materials and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the U.S. DOT's Regulations, including employment practices when the Agreement covers a program whose goal is employment.

ARTICLE XVII DEBARMENT AND SUSPENSION CERTIFICATION

- A. CONSULTANT's signature affixed herein, shall constitute a certification under penalty of perjury under the laws of the State of California, that

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- CONSULTANT has complied with Title 2 CFR, Part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (nonprocurement)”, which certifies that he/she or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years. Any exceptions to this certification must be disclosed to LOCAL AGENCY.
- B. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining CONSULTANT responsibility. Disclosures must indicate to whom exceptions apply, initiating agency, and dates of action.
- C. Exceptions to the Federal Government Excluded Parties List System maintained by the General Services Administration are to be determined by the Federal highway Administration.

ARTICLE XVIII FUNDING REQUIREMENTS

- A. It is mutually understood between the parties that this contract may have

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

been written before ascertaining the availability of funds or appropriation of funds, for the mutual benefit of both parties, in order to avoid program and fiscal delays that would occur if the contract were executed after that determination was made.

- B. This contract is valid and enforceable only, if sufficient funds are made available to LOCAL AGENCY for the purpose of this contract. In addition, this contract is subject to any additional restrictions, limitations, conditions, or any statute enacted by the Congress, State Legislature, or LOCAL AGENCY governing board that may affect the provisions, terms, or funding of this contract in any manner.
- C. It is mutually agreed that if sufficient funds are not appropriated, this contract may be amended to reflect any reduction in funds.
- D. LOCAL AGENCY has the option to void the contract under the 30-day termination clause pursuant to Article VI, or by mutual agreement to amend the contract to reflect any reduction of funds.

ARTICLE XIX CHANGE IN TERMS

- A. This contract may be amended or modified only by mutual written agreement of the parties.
- B. CONSULTANT shall only commence work covered by an amendment after the amendment is executed and notification to proceed has been provided by

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

LOCAL AGENCY's Contract Administrator.

- C. There shall be no change in CONSULTANT's Project Manager or members of the project team, as listed in the approved Cost Proposal, which is a part of this contract without prior written approval by LOCAL AGENCY's Contract Administrator.

**ARTICLE XX DISADVANTAGED BUSINESS ENTERPRISES (DBE)
PARTICIPATION**

- A. This contract is subject to 49 CFR, Part 26 entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs". Consultants who obtain DBE participation on this contract will assist Caltrans in meeting its federally mandated statewide overall DBE goal.
- B. The goal for DBE participation for this contract is "no goal"%. Participation by DBE consultant or subconsultants shall be in accordance with information contained in the Consultant Proposal DBE Commitment (Exhibit 10-O1), or in the Consultant Contract DBE Information (Exhibit 10-O2) attached hereto and incorporated as part of the Contract. If a DBE subconsultant is unable to perform, CONSULTANT must make a good faith effort to replace him/her with another DBE subconsultant, if the goal is not otherwise met.
- C. DBEs and other small businesses, as defined in 49 CFR, Part 26 are encouraged to participate in the performance of contracts financed in whole

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

or in part with federal funds. CONSULTANT or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. CONSULTANT shall carry out applicable requirements of 49 CFR, Part 26 in the award and administration of US DOT-assisted agreements. Failure by CONSULTANT to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as LOCAL AGENCY deems appropriate.

- D. Any subcontract entered into as a result of this contract shall contain all of the provisions of this section.
- E. A DBE firm may be terminated only with prior written approval from LOCAL AGENCY and only for the reasons specified in 49 CFR 26.53(f). Prior to requesting LOCAL AGENCY consent for the termination, CONSULTANT must meet the procedural requirements specified in 49 CFR 26.53(f).
- F. A DBE performs a Commercially Useful Function (CUF) when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a CUF, the DBE must also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a CUF, evaluate the amount of work subcontracted, industry

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- practices, whether the amount the firm is to be paid under the, contract is commensurate with the work it is actually performing, and other relevant factors.
- G. A DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation. In determining whether a DBE is such an extra participant, examine similar transactions, particularly those in which DBEs do not participate.
- H. If a DBE does not perform or exercise responsibility for at least thirty percent (30%) of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of the contract than would be expected on the basis of normal industry practice for the type of work involved, it will be presumed that it is not performing a CUF.
- I. CONSULTANT shall maintain records of materials purchased or supplied from all subcontracts entered into with certified DBEs. The records shall show the name and business address of each DBE or vendor and the total dollar amount actually paid each DBE or vendor, regardless of tier. The records shall show the date of payment and the total dollar figure paid to all firms. DBE prime consultants shall also show the date of work performed by their own forces along with the corresponding dollar value of the work.
- J. Upon completion of the Contract, a summary of these records shall be

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- prepared and submitted on the form entitled, "Final Report-Utilization of Disadvantaged Business Enterprise (DBE), First-Tier Subconsultants" CEM-2402F [Exhibit 17-F, of the LAPM], certified correct by CONSULTANT or CONSULTANT's authorized representative and shall be furnished to the Contract Administrator with the final invoice. Failure to provide the summary of DBE payments with the final invoice will result in twenty-five percent (25%) of the dollar value of the invoice being withheld from payment until the form is submitted. The amount will be returned to CONSULTANT when a satisfactory "Final Report-Utilization of Disadvantaged Business Enterprises (DBE), First-Tier Subconsultants" is submitted to the Contract Administrator.
- K. If a DBE subconsultant is decertified during the life of the contract, the decertified subconsultant shall notify CONSULTANT in writing with the date of decertification. If a subconsultant becomes a certified DBE during the life of the Contract, the subconsultant shall notify CONSULTANT in writing with the date of certification. Any changes should be reported to LOCAL AGENCY's Contract Administrator within 30 days.

ARTICLE XXI CONTINGENT FEE

CONSULTANT warrants, by execution of this contract that no person or selling agency has been employed, or retained, to solicit or secure this contract upon an agreement or understanding, for a commission, percentage, brokerage, or

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

contingent fee, excepting bona fide employees, or bona fide established commercial or selling agencies maintained by CONSULTANT for the purpose of securing business. For breach or violation of this warranty, LOCAL AGENCY has the right to annul this contract without liability; pay only for the value of the work actually performed, or in its discretion to deduct from the contract price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

ARTICLE XXII DISPUTES

- A. Any dispute, other than audit, concerning a question of fact arising under this contract that is not disposed of by agreement shall be decided by a committee consisting of LOCAL AGENCY's Contract Administrator and Public Works Director/City Engineer or his/her designee, who may consider written or verbal information submitted by CONSULTANT.
- B. Not later than 30 days after completion of all work under the contract, CONSULTANT may request review by LOCAL AGENCY Governing Board of unresolved claims or disputes, other than audit. The request for review will be submitted in writing.
- C. Neither the pendency of a dispute, nor its consideration by the committee will excuse CONSULTANT from full and timely performance in accordance with the terms of this contract.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

ARTICLE XXIII INSPECTION OF WORK

CONSULTANT and any subconsultant shall permit LOCAL AGENCY, the state, and the FHWA if federal participating funds are used in this contract; to review and inspect the project activities and files at all reasonable times during the performance period of this contract including review and inspection on a daily basis.

ARTICLE XXIV SAFETY

- A. CONSULTANT shall comply with OSHA regulations applicable to CONSULTANT regarding necessary safety equipment or procedures. CONSULTANT shall comply with safety instructions issued by LOCAL AGENCY Safety Officer and other LOCAL AGENCY representatives. CONSULTANT personnel shall wear hard hats and safety vests at all times while working on the construction project site.
- B. Pursuant to the authority contained in Section 591 of the Vehicle Code, LOCAL AGENCY has determined that such areas are within the limits of the project and are open to public traffic. CONSULTANT shall comply with all of the requirements set forth in Divisions 11, 12, 13, 14, and 15 of the Vehicle Code. CONSULTANT shall take all reasonably necessary precautions for safe operation of its vehicles and the protection of the traveling public from injury and damage from such vehicles.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- C. Any subcontract entered into as a result of this contract, shall contain all of the provisions of this Article.
- D. CONSULTANT must have a Division of Occupational Safety and Health (CAL-OSHA) permit(s), as outlined in California Labor Code Sections 6500 and 6705, prior to the initiation of any practices, work, method, operation, or process related to the construction or excavation of trenches which are five feet or deeper.

ARTICLE XXV INSURANCE

- A. Prior to commencement of the work described herein, CONSULTANT shall furnish LOCAL AGENCY a Certificate of Insurance stating that there is general comprehensive liability insurance presently in effect for CONSULTANT with a combined single limit (CSL) of not less than one million dollars (\$1,000,000) per occurrence.
- B. The Certificate of Insurance will provide:
 - 1. That the insurer will not cancel the insured's coverage without 30 days prior written notice to LOCAL AGENCY.
 - 2. That LOCAL AGENCY, its officers, agents, employees, and servants are included as additional insureds, but only insofar as the operations under this contract are concerned.
 - 3. That LOCAL AGENCY will not be responsible for any premiums or

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

assessments on the policy.

- C. CONSULTANT agrees that the bodily injury liability insurance herein provided for, shall be in effect at all times during the term of this contract. In the event said insurance coverage expires at any time or times during the term of this contract, CONSULTANT agrees to provide at least thirty (30) days prior notice to said expiration date; and a new Certificate of Insurance evidencing insurance coverage as provided for herein, for not less than either the remainder of the term of the contract, or for a period of not less than one (1) year. New Certificates of Insurance are subject to the approval of LOCAL AGENCY. In the event CONSULTANT fails to keep in effect at all times insurance coverage as herein provided, LOCAL AGENCY may, in addition to any other remedies it may have, terminate this contract upon occurrence of such event.

ARTICLE XXVI OWNERSHIP OF DATA

- A. Upon completion of all work under this contract, ownership and title to all reports, documents, plans, specifications, and estimates produce as part of this contract will automatically be vested in LOCAL AGENCY; and no further agreement will be necessary to transfer ownership to LOCAL AGENCY. CONSULTANT shall furnish LOCAL AGENCY all necessary copies of data needed to complete the review and approval process.
- B. It is understood and agreed that all calculations, drawings and

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

specifications, whether in hard copy or machine-readable form, are intended for one-time use in the construction of the project for which this contract has been entered into.

- C. CONSULTANT is not liable for claims, liabilities, or losses arising out of, or connected with the modification, or misuse by LOCAL AGENCY of the machine-readable information and data provided by CONSULTANT under this contract; further, CONSULTANT is not liable for claims, liabilities, or losses arising out of, or connected with any use by LOCAL AGENCY of the project documentation on other projects for additions to this project, or for the completion of this project by others, except only such use as may be authorized in writing by CONSULTANT.
- D. Applicable patent rights provisions regarding rights to inventions shall be included in the contracts as appropriate (48 CFR 27, Subpart 27.3 - Patent Rights under Government Contracts for federal-aid contracts).
- E. LOCAL AGENCY may permit copyrighting reports or other agreement products. If copyrights are permitted; the agreement shall provide that the FHWA shall have the royalty-free nonexclusive and irrevocable right to reproduce, publish, or otherwise use; and to authorize others to use, the work for government purposes.

ARTICLE XXVII CLAIMS FILED BY LOCAL AGENCY's CONSTRUCTION CONTRACTOR

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

- A. If claims are filed by LOCAL AGENCY's construction contractor relating to work performed by CONSULTANT's personnel, and additional information or assistance from CONSULTANT's personnel is required in order to evaluate or defend against such claims; CONSULTANT agrees to make its personnel available for consultation with LOCAL AGENCY'S construction contract administration and legal staff and for testimony, if necessary, at depositions and at trial or arbitration proceedings.
- B. CONSULTANT's personnel that LOCAL AGENCY considers essential to assist in defending against construction contractor claims will be made available on reasonable notice from LOCAL AGENCY. Consultation or testimony will be reimbursed at the same rates, including travel costs that are being paid for CONSULTANT's personnel services under this contract.
- C. Services of CONSULTANT's personnel in connection with LOCAL AGENCY's construction contractor claims will be performed pursuant to a written contract amendment, if necessary, extending the termination date of this contract in order to resolve the construction claims.

ARTICLE XXVIII CONFIDENTIALITY OF DATA

- A. All financial, statistical, personal, technical, or other data and information relative to LOCAL AGENCY's operations, which are designated confidential by LOCAL AGENCY and made available to CONSULTANT in

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

order to carry out this contract, shall be protected by CONSULTANT from unauthorized use and disclosure.

- B. Permission to disclose information on one occasion, or public hearing held by LOCAL AGENCY relating to the contract, shall not authorize CONSULTANT to further disclose such information, or disseminate the same on any other occasion.
- C. CONSULTANT shall not comment publicly to the press or any other media regarding the contract or LOCAL AGENCY's actions on the same, except to LOCAL AGENCY's staff, CONSULTANT's own personnel involved in the performance of this contract, at public hearings or in response to questions from a Legislative committee.
- D. CONSULTANT shall not issue any news release or public relations item of any nature, whatsoever, regarding work performed or to be performed under this contract without prior review of the contents thereof by LOCAL AGENCY, and receipt of LOCAL AGENCY'S written permission.
- E. Any subcontract entered into as a result of this contract shall contain all of the provisions of this Article.
- F. All information related to the construction estimate is confidential, and shall not be disclosed by CONSULTANT to any entity other than LOCAL AGENCY.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

ARTICLE XXIX NATIONAL LABOR RELATIONS BOARD CERTIFICATION

In accordance with Public Contract Code Section 10296, CONSULTANT hereby states under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against CONSULTANT within the immediately preceding two-year period, because of CONSULTANT's failure to comply with an order of a federal court that orders CONSULTANT to comply with an order of the National Labor Relations Board.

ARTICLE XXX EVALUATION OF CONSULTANT

CONSULTANT's performance will be evaluated by LOCAL AGENCY. A copy of the evaluation will be sent to CONSULTANT for comments. The evaluation together with the comments shall be retained as part of the contract record.

ARTICLE XXXI RETENTION OF FUNDS

- A. Any subcontract entered into as a result of this Contract shall contain all of the provisions of this section.
- B. No retainage will be held by the Agency from progress payments due the prime consultant. Any retainage held by the prime consultant or subconsultants from progress payments due subconsultants shall be promptly paid in full to subconsultants within 30 days after the subconsultant's work is satisfactorily completed. Federal law (49 CFR 26.29) requires that any delay or postponement of payment over the 30 days may take place only for good

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

cause and with the Agency's prior written approval. Any violation of this provision shall subject the violating prime consultant or subconsultant to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies, otherwise available to the prime consultant or subconsultant in the event of a dispute involving late payment or nonpayment by the prime consultant, deficient subconsultant performance, or noncompliance by a subconsultant. This provision applies to both DBE and non-DBE prime consultant and subconsultants.

ARTICLE XXXII NOTIFICATION

All notices hereunder and communications regarding interpretation of the terms of this contract and changes thereto, shall be effected by the mailing thereof by registered or certified mail, return receipt requested, postage prepaid, and addressed as follows:

CONSULTANT:

Michael Baker International Inc.

Rebecca Young, Project Manager

3536 Concours, Suite 100

Ontario, CA 91764

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

LOCAL AGENCY:

The City of Moreno Valley

Public Works Director/City Engineer

14177 Frederick Street

Moreno Valley, CA 92552-0805

ARTICLE XXXIII CONTRACT

The two parties to this contract, who are the before named CONSULTANT and the before named LOCAL AGENCY, hereby agree that this contract constitutes the entire agreement which is made and concluded in duplicate between the two parties. Both of these parties for and in consideration of the payments to be made, conditions mentioned, and work to be performed; each agree to diligently perform in accordance with the terms and conditions of this contract as evidenced by the signatures below.

**CALTRANS SUPPLEMENTARY
GENERAL CONDITIONS
PROJECT NO. 801 0052**

ARTICLE XXXIV SIGNATURES

City of Moreno Valley

Michael Baker International, Inc.

BY: _____
Thomas M. DeSantis, City Manager

BY: _____

TITLE: _____
(Select only one please)

(President or Vice President)

Date

Date

BY: _____

TITLE: _____
(Corporate Secretary)

Date