

AGENDA
Board of Directors Metro Valley Study Session

June 9, 2016

*****Start Time: 9:30 AM*****

Location

SANBAG
First Floor Lobby
1170 W. 3rd Street, San Bernardino, CA 92410

Board of Directors

Valley Representatives

Study Session Chair

Alan Wapner, Council Member
City of Ontario

Study Session Vice-Chair

Janice Rutherford, Supervisor
Second District

Dennis Yates, Mayor
City of Chino

Ed Graham, Council Member
City of Chino Hills

Frank Navarro, Council Member
City of Colton

Rich Kerr, Mayor
City of Adelanto

Curt Emick, Council Member
Town of Apple Valley

Julie McIntyre, Mayor
City of Barstow

Michael Tahan, Council Member
City of Fontana

Darcy McNaboe, Mayor
City of Grand Terrace

Larry McCallon, Mayor
City of Highland

Rhodes "Dusty" Rigsby, Mayor
City of Loma Linda

Paul M. Eaton, Mayor
City of Montclair

L. Dennis Michael, Mayor
City of Rancho Cucamonga

Mountain/Desert Representatives

Ryan McEachron, Council Member
City of Victorville

Bill Jahn, Mayor Pro Tem
City of Big Bear Lake

Eric Schmidt, Council Member
City of Hesperia

County Board of Supervisors

Robert Lovingood, First District

James Ramos, Third District
Curt Hagman, Fourth District

Jon Harrison, Mayor Pro Tem
City of Redlands

Deborah Robertson, Mayor
City of Rialto

R. Carey Davis, Mayor
City of San Bernardino

Ray Musser, Mayor
City of Upland

Dick Riddell, Council Member
City of Yucaipa

Edward Paget, Mayor
City of Needles

Joel Klink, Council Member
City of Twentynine Palms

George Huntington, Council Member
Town of Yucca Valley

Josie Gonzales, Fifth District

Ex-Officio Member – John Bulinski, Caltrans District 8 Director
Ray Wolfe, SANBAG Executive Director
Eileen Teichert, SANBAG General Counsel

San Bernardino Associated Governments
County Transportation Commission
County Transportation Authority
County Congestion Management Agency
Service Authority for Freeway Emergencies

AGENDA

Board of Directors Metro Valley Study Session

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1170 W. 3rd Street, San Bernardino, CA 92410

To obtain additional information on any items, please contact the staff person listed under each item. You are encouraged to obtain any clarifying information prior to the meeting to allow the Board to move expeditiously in its deliberations. Additional *“Meeting Procedures”* and agenda explanations are attached to the end of this agenda.

CALL TO ORDER

(Meeting Chaired by Alan Wapner)

- i. Pledge of Allegiance
- ii. Attendance
- iii. Announcements
- iv. Agenda Notices/Modifications - Melonie Donson

Possible Conflict of Interest Issues

Note agenda item contractors, subcontractors and agents which may require member abstentions due to conflict of interest and financial interests. Board Member abstentions shall be stated under this item for recordation on the appropriate item.

1. Information Relative to Possible Conflict of Interest

Note agenda items and contractors/subcontractors, which may require member abstentions due to possible conflicts of interest.

This item is prepared for review by SANBAG Board and Committee members.

CONSENT CALENDAR

Items listed on the Consent Calendar are expected to be routine and non-controversial. The Consent Calendar will be acted upon as a single motion. Items on the Consent Calendar may be removed for discussion by Board Members.

Consent - Project Delivery

2. **Construction Contract Change Orders to on-going SANBAG construction contracts with KASA Construction, Inc., Brutoco Engineering and Construction, Ortiz Enterprises, Inc., Sully-Miller Contracting Company, Flatiron West, Inc. and MCM Construction, Inc.**

Receive and file change order report.

Presenter: Garry Cohoe

This item is not scheduled for review by any other policy committee or technical advisory committee.

DISCUSSION ITEMS

Discussion - Administrative Matters

3. **Election of Committee Chair and Vice Chair**

Conduct elections for members to serve as Chair and Vice Chair of the SANBAG Board of Directors Metro Valley Study Session for terms to end on June 30, 2017.

Presenter: Garry Cohoe

This item is not scheduled for review by any other policy committee or technical advisory committee.

Discussion - Project Delivery

4. **Interstate 10 Mount Vernon Avenue Interchange - Award Conceptual Design Contract**

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Approve award of Contract No. 16-1001420 with Rajappan & Meyer Consulting Engineers, Inc. for the development of a Project Study Report/ Project Development Support document for the Interstate 10 (I-10) Mount Vernon Avenue Interchange Project in an amount not-to-exceed \$399,806.67, after receipt of Pre-Award Audit and correction of any deficiencies noted therein, as required by the Caltrans Local Assistance Procedures Manual.

B. Approve a contingency amount for Contract No. 16-1001420 of \$39,980.67, and authorize the Executive Director or designee to release contingency as necessary for the project.

Presenter: Dennis Saylor

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft contract.

5. Metrolink Station Accessibility Improvement Project - Award Design Contract

That the following be reviewed and recommended for final approval by the Board of Directors at a regularly scheduled Board meeting:

A. Acting as the San Bernardino County Transportation Authority approve award of Contract No. 15-1001122 with KOA Corporation for the preparation of Plans, Specifications and Estimate (PS&E) and Right of Way (ROW) Engineering Services for the Metrolink Station Accessibility Improvement Project in an amount not-to-exceed \$547,990.45 after receipt of Pre-award audit and correction of any deficiencies noted therein, as required by the Caltrans Local Assistance Procedures Manual.

B. Acting as the San Bernardino County Transportation Authority approve a contingency amount for Contract No. 15-1001122 of \$28,009.55 and authorize the Executive Director or designee to release contingency as necessary for the project.

C. Approve a budget amendment to SANBAG Fiscal Year 2016/2017 budget to transfer \$626,000 in State Active Transportation Program funds to Federal Active Transportation Program funds for the Metrolink Station Accessibility Improvement Project.

Presenter: Dennis Saylor

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft contract.

6. Monte Vista Grade Separation - Agreements and Invitation for Bids

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Approve Amendment No. 1 to Cooperative Agreement No. 15-1001297 with the City of Montclair for the construction of the Monte Vista Avenue Grade Separation Project which increases project funding based on actual costs and final engineers estimate.

B. Approve Amendment No. 1 to Trade Corridors Improvement Fund (TCIF) Baseline Agreement No. 16-1001448 with the California Transportation Commission (CTC), Caltrans and the City of Montclair for the Monte Vista Grade Separation and authorize the Executive Director to execute the final Amendment No. 1 to TCIF Baseline Agreement No. 16-1001448 after approval as to form by General Counsel.

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

C. Authorize the Director of Project Delivery to advertise Invitation for Bids (IFB) No. 16-1001461, pending federal authorization to proceed, for construction bids for the Monte Vista Grade Separation Project.

D. Authorize staff to proceed directly to the Board of Directors without prior Metro Valley Study Session review for the award of the Construction Contract No. 16-1001461.

Presenter: Dennis Saylor

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendments.

7. Amendment 1 to Southern California Gas Company Utility Agreement No. C12204 for the Interstate 215 Bi-County Project

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Amendment No. 1 to Utility Agreement No. C12204 with the Southern California Gas Company (Gas Company) for an additional amount of \$299,121.12 for a new amended total contract amount of \$2,699,121.12 for actual costs incurred for the relocation of a 12-inch natural gas high pressure main on the Interstate 215 (I-215) Bi-County Project.

Presenter: Dennis Saylor

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendment.

8. Legal Advisor Services for the Interstate 10 (I-10) and Interstate 15 (I-15) Corridor Projects

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Commission at a regularly scheduled Board meeting:

A. Approve award of Contract No. 16-1001447 with Nossaman, LLP for Legal Advisor Services for I-10 Contract 1 in an amount not to exceed \$4,175,000.

B. Approve a contingency amount for Contract No. 16-1001447 of \$417,500 and authorize the Executive Director or designee to release contingency as necessary for the project.

Presenter: John Meier

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and a draft of the contract.

9. New Procurement for Interstate 10 Corridor Contract 1 Project Management and Construction Management Consultant Contract

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Release of Request for Proposals (RFP) No. 16-1001530 for the procurement of the Interstate 10 (I-10) Corridor Contract 1 Project Management Construction Management (PCM) Consultant.

Presenter: Chad Costello

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft RFP.

10. New Policy 34510 Value Engineering/Value Analysis

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Repeal Measure I Major Projects Program, Value Engineering Policy 34500, approved by Board September 1, 1993; and

B. Approve Measure I Major Projects Program, Value Engineering/Value Analysis Policy 34510.

Presenter: Paula Beauchamp

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel has reviewed this item and the draft policy.

11. Interstate 215 Barton Right of Way Agreement Amendment 7

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Commission and San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Amendment No. 7 to Contract No. C12212 with CALTRANS for the Design and Right of Way phases of the Interstate 215 (I-215) Barton Road Avenue Interchange Project to add \$4,466,694 of Surface Transportation Program (STP) Funds to the Right-of-Way Capital, and \$300,000 of Measure I Valley Freeway Funds to the Right-of-Way Support for a new total design and right of way cost of \$38,071,305.

Presenter: Paula Beauchamp

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendment.

12. Preview of the Hearings to Consider Resolution of Necessity for Parcel for the Interstate 215 (I-215) Barton Road Interchange Improvement Project in the City of Grand Terrace

That the following be reviewed and recommended to proceed to a Hearing of Resolution of Necessity by the Board of Directors, acting as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

A. Conduct a public hearing to consider condemnation of real property required for the I-215 Barton Road Interchange Improvement Project in the City of Grand Terrace; and

B. Upon completion of a public hearing, that the Board of Directors adopt the Resolution of Necessity No. 16-031 authorizing and directing General Counsel, or her designees, to prepare, commence, and prosecute proceedings in eminent domain for the purpose of acquiring necessary right-of-way and real property interests from: Colton Joint Unified School District who is the successor agency for the Terrace Union School District, Trustees of the Terrace School District, County of San Bernardino, State of California, as to Parcel A; and Terrace Union School of San Bernardino County, as to Parcels B, C, and D; (Assessor's Parcel Number [APN] 0275-232-04; Caltrans Parcel Number [CPN] 23345). The Resolution must be approved by at least a two-thirds majority.

Presenter: Paula Beauchamp

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel has reviewed this item and draft resolution.

Discussion - Transportation Programming and Fund Administration

13. 2016 Federal Earmark Repurposing - San Bernardino Valley Subarea

That the following be reviewed and recommended for final approval by the Board of Directors acting in its capacity as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

Approve staff recommendation for 2016 earmark repurposing as shown in Attachment 1.

Presenter: Philip Chu

This item is not scheduled for review by any other policy committee or technical advisory committee. A similar item concerning earmark funds available for repurposing in the Mountain/Desert subareas is scheduled for review at the Mountain/Desert Policy Committee on June 17, 2016.

14. Funding Allocation and Project List for Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Approve the Measure I Funding Allocations for the Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017 as referenced in Table 1 in this Agenda Item.

B. Approve the Project List for the Measure I Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017 as referenced in Attachment 1 to this Agenda Item.

Presenter: Ellen Pollema

The information in this item was reviewed by the Transportation Technical Advisory Committee on April 4, 2016. It is not scheduled for review by any other policy committee.

Comments from Board Members

Brief Comments from Board Members

Public Comment

Brief Comments by the General Public

ADJOURNMENT

Additional Information

Attendance
SANBAG Entities
Acronym List
Mission Statement

**The next Board of Directors Metro Valley Study Session will be
August 11, 2016**

Meeting Procedures and Rules of Conduct

Meeting Procedures - The Ralph M. Brown Act is the state law which guarantees the public's right to attend and participate in meetings of local legislative bodies. These rules have been adopted by the Board of Directors in accordance with the Brown Act, Government Code 54950 et seq., and shall apply at all meetings of the Board of Directors and Policy Committees.

Accessibility - The SANBAG meeting facility is accessible to persons with disabilities. If assistive listening devices or other auxiliary aids or services are needed in order to participate in the public meeting, requests should be made through the Clerk of the Board at least three (3) business days prior to the Board meeting. The Clerk's telephone number is (909) 884-8276 and office is located at 1170 W. 3rd Street, 2nd Floor, San Bernardino, CA.

Agendas – All agendas are posted at 1170 W. 3rd Street, 1st Floor, San Bernardino at least 72 hours in advance of the meeting. Staff reports related to agenda items may be reviewed at the SANBAG offices located at 1170 W. 3rd Street, 2nd Floor, San Bernardino and our website: www.sanbag.ca.gov.

Agenda Actions – Items listed on both the “Consent Calendar” and “Discussion” contain recommended actions. The Board of Directors will generally consider items in the order listed on the agenda. However, items may be considered in any order. New agenda items can be added and action taken by two-thirds vote of the Board of Directors or unanimous vote of members present as provided in the Ralph M. Brown Act Government Code Sec. 54954.2(b).

Closed Session Agenda Items – Consideration of closed session items excludes members of the public. These items include issues related to personnel, pending litigation, labor negotiations and real estate negotiations. Prior to each closed session, the Chair will announce the subject matter of the closed session. If action is taken in closed session, the Chair may report the action to the public at the conclusion of the closed session.

Public Testimony on an Item – Members of the public are afforded an opportunity to speak on any listed item. Individuals wishing to address the Board of Directors or Policy Committee Members should complete a “Request to Speak” form, provided at the rear of the meeting room, and present it to the Clerk prior to the Board's consideration of the item. A "Request to Speak" form must be completed for each item an individual wishes to speak on. When recognized by the Chair, speakers should be prepared to step forward and announce their name and address for the record. In the interest of facilitating the business of the Board, speakers are limited to three (3) minutes on each item. Additionally, a twelve (12) minute limitation is established for the total amount of time any one individual may address the Board at any one meeting. The Chair or a majority of the Board may establish a different time limit as appropriate, and parties to agenda items shall not be subject to the time limitations. Members of the public requesting information be distributed to the Board of Directors must provide 40 copies of such information in advance of the meeting, except for noticed public hearings. Information provided as public testimony is not read into the record by the Clerk.

The Consent Calendar is considered a single item, thus the three (3) minute rule applies. Consent Calendar items can be pulled at Board member request and will be brought up individually at the specified time in the agenda allowing further public comment on those items.

Agenda Times – The Board is concerned that discussion take place in a timely and efficient manner. Agendas may be prepared with estimated times for categorical areas and certain topics to be discussed. These times may vary according to the length of presentation and amount of resulting discussion on agenda items.

Public Comment – At the end of the agenda, an opportunity is also provided for members of the public to speak on any subject within the Board’s authority. Matters raised under “Public Comment” may not be acted upon at that meeting. “Public Testimony on any Item” still applies.

Disruptive or Prohibited Conduct – If any meeting of the Board is willfully disrupted by a person or by a group of persons so as to render the orderly conduct of the meeting impossible, the Chair may recess the meeting or order the person, group or groups of person willfully disrupting the meeting to leave the meeting or to be removed from the meeting. Disruptive or prohibited conduct includes without limitation addressing the Board without first being recognized, not addressing the subject before the Board, repetitiously addressing the same subject, failing to relinquish the podium when requested to do so, bringing into the meeting any type of object that could be used as a weapon, including without limitation sticks affixed to signs, or otherwise preventing the Board from conducting its meeting in an orderly manner. Your cooperation is appreciated!

**SANBAG General Practices for Conducting Meetings
of
Board of Directors and Policy Committees**

Attendance.

- The Chair of the Board or a Policy Committee (Chair) has the option of taking attendance by Roll Call or Self-Introductions. If attendance is taken by Roll Call, the Clerk of the Board will call out by jurisdiction or supervisorial district. The Member or Alternate will respond by stating his/her name. If attendance is by Self-Introduction, the Member or Alternate will state his/her name and jurisdiction or supervisorial district.
- A Member/Alternate, who arrives after attendance is taken, shall announce his/her name prior to voting on any item.
- A Member/Alternate, who wishes to leave the meeting after attendance is taken but before remaining items are voted on, shall announce his/her name and that he/she is leaving the meeting.

Basic Agenda Item Discussion.

- The Chair announces the agenda item number and states the subject.
- The Chair calls upon the appropriate staff member or Board Member to report on the item.
- The Chair asks members of the Board/Committee if they have any questions or comments on the item. General discussion ensues.
- The Chair calls for public comment based on “Request to Speak” forms which may be submitted.
- Following public comment, the Chair announces that public comment is closed and asks if there is any further discussion by members of the Board/Committee.
- The Chair calls for a motion from members of the Board/Committee.
- Upon a motion, the Chair announces the name of the member who makes the motion. Motions require a second by a member of the Board/Committee. Upon a second, the Chair announces the name of the Member who made the second, and the vote is taken.
- The “aye” votes in favor of the motion shall be made collectively. Any Member who wishes to oppose or abstain from voting on the motion, shall individually and orally state the Member’s “nay” vote or abstention. Members present who do not individually and orally state their “nay” vote or abstention shall be deemed, and reported to the public, to have voted “aye” on the motion.

The Vote as specified in the SANBAG Bylaws.

- Each Member of the Board of Directors shall have one vote. In the absence of the official representative, the alternate shall be entitled to vote. (Board of Directors only.)
- Voting may be either by voice or roll call vote. A roll call vote shall be conducted upon the demand of five official representatives present, or at the discretion of the presiding officer.

Amendment or Substitute Motion.

- Occasionally a Board Member offers a substitute motion before the vote on a previous motion. In instances where there is a motion and a second, the maker of the original motion is asked if he or she would like to amend his or her motion to include the substitution or withdraw the motion on the floor. If the maker of the original motion does not want to amend or withdraw, the substitute motion is voted upon first, and if it fails, then the original motion is considered.
- Occasionally, a motion dies for lack of a second.

Call for the Question.

- At times, a Member of the Board/Committee may “Call for the Question.”
- Upon a “Call for the Question,” the Chair may order that the debate stop or may allow for limited further comment to provide clarity on the proceedings.
- Alternatively and at the Chair’s discretion, the Chair may call for a vote of the Board/Committee to determine whether or not debate is stopped.
- The Chair re-states the motion before the Board/Committee and calls for the vote on the item.

The Chair.

- At all times, meetings are conducted in accordance with the Chair’s direction.
- These general practices provide guidelines for orderly conduct.
- From time-to-time circumstances require deviation from general practice.
- Deviation from general practice is at the discretion of the Chair.

Courtesy and Decorum.

- These general practices provide for business of the Board/Committee to be conducted efficiently, fairly and with full participation.
- It is the responsibility of the Chair and Members to maintain common courtesy and decorum.

*Adopted By SANBAG Board of Directors January 2008
Revised March 2014
Revised May 4, 2016*

Minute Action

AGENDA ITEM: 1

Date: June 9, 2016

Subject:

Information Relative to Possible Conflict of Interest

Recommendation:

Note agenda items and contractors/subcontractors, which may require member abstentions due to possible conflicts of interest.

Background:

In accordance with California Government Code 84308, members of the SANBAG Board may not participate in any action concerning a contract where they have received a campaign contribution of more than \$250 in the prior twelve months from an entity or individual, except for the initial award of a competitively bid public works contract. This agenda contains recommendations for action relative to the following contractors:

Consent/Discussion Calendar Items

Item No.	Contract No.	Principals & Agents	Subcontractors
2-A	C13022	KASA Construction, Inc. <i>Diana Kasbar</i>	MSL Electric, Inc. Quality Hydroseeding & Restoration Treesmith Enterprises, Inc. Turboscape, Inc.
2-B	C12036	Brutoco Engineering and Construction, Inc. <i>Andy Acosta</i>	A.C. Dike Company ACL Construction, Inc. Alcorn Fence Company All American Asphalt AVAR Construction Systems, Inc. Cal-Stripe, Inc. Castle Walls LLC CGO Construction Coffman Specialties, Inc. Cooper Engineering, Inc. C.P. Construction Company, Inc. Diversified Landscape Company Dywidag Systems International G & F Concrete Cutting Griffith Company Harber Companies, Inc.

Entity: CMA, COG, CTA, CTC, SAFE

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			<p>Integrity Rebar Placers KEC Engineering KRC Safety Co., Inc. LaLonde Equipment Rental Leinaia's Transportation S.D. Precast Concrete, Inc. dba Pomeroy South Coast Sweeping Sully-Miller Contracting Company Treesmith Enterprises, Inc. Truesdale Corporation of California Visual Pollution Technologies West Coast Boring, Inc.</p>
2-C	C12224	<p>Ortiz Enterprises, Inc. <i>Patrick A. Ortiz</i></p>	<p>Alcorn Fence Company Bithell, Inc. Cal-Stripe, Inc. CGO Construction Cooper Engineering Coral Construction Coreslab Structures Diversified Landscape Griffith Company Harber Companies Hardy & Harper Hydro Sprout Integrity Rebar Placers L. Johnson Lincoln Pacific Mahaffey Companies Rogan Concrete Coring & Sawing SRD Engineering, Inc. Statewide Traffic Safety & Signs Superior Gunitite Truesdell Corporation West Coast Welding, Inc.</p>
2-D	C14164	<p>Sully-Miller Contracting Company <i>Raymond Sanchez</i></p>	<p>AC Dike ACL Construction Company, Inc. Bravo Sign & Design Cal-Stripe Coral Construction Company Diversified Landscape Company</p>

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			<p>Fencecorp, Inc. Goss Construction Company, Inc. Harber Companies, Inc. High-Light Electrical, Inc. Integrity Rebar Placers J.V. Land Clearing LNA Concrete Structures, Inc. MCM Construction, Inc. Statewide Safety & Signs, Inc.</p>
2-E	C14162	<p>Flatiron West, Inc. <i>Christian M. Peich</i></p>	<p>Advanced Concrete Sawing & Sealing All American Asphalt Coral Construction D.C. Hubbs Construction Elecnor Belco Electric, Co. Griffith Company Integrity Rebar Placers L. Johnson Construction, Inc. Malcolm Drilling Old Castle Precast, Inc. Payco Specialties, Inc. Southwest V-Ditch, Inc.</p>
2-F	15-1001238	<p>MCM Construction, Inc. <i>James A. Carter</i></p>	<p>Alcorn Fence Company BC Rentals, Inc. Bithell, Inc. Cal Strip, Inc. Griffith Company Hardy & Harper, Inc. Integrity Rebar Placers Marina Landscape, Inc. Schwager Davis, Inc. Smith & Son Surina Construction Company, Inc. VT Electric, Inc.</p>
4	16-1001420	<p>Rajappan & Meyer Consulting Engineers, Inc. <i>Lee Taubeneck</i></p>	<p>Diaz Yourman & Associates Epic Land Solutions, INC. ICF International Iteris, Inc. Stantec Towill, Inc.</p>
5	15-1001122	<p>KOA Corporations <i>Min Zhou</i></p>	<p>Coast Surveying Sussman/Prejza & Co</p>

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7	C12204	Southern California Gas Company <i>Dustin Tomlinson</i>	None
8	16-1001447	Nossaman, LLP <i>Corey Boock</i>	None

Item No.	Principals & Agents
12	Terrace Union School District of San Bernardino County <i>Owen Chang</i>

Financial Impact:

This item has no direct impact on the SANBAG budget.

Reviewed By:

This item is prepared for review by SANBAG Board and Committee members.

Responsible Staff:

Garry Cohoe, Director of Project Delivery

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016
Witnessed By:

Minute Action

AGENDA ITEM: 2

Date: June 9, 2016

Subject:

Construction Contract Change Orders to on-going SANBAG construction contracts with KASA Construction, Inc., Brutoco Engineering and Construction, Ortiz Enterprises, Inc., Sully-Miller Contracting Company, Flatiron West, Inc. and MCM Construction, Inc.

Recommendation:

Receive and file change order report.

Background:

Of SANBAG's twelve on-going construction contracts in the Metro Valley, six have had Construction Change Orders (CCO's) approved since the last reporting to the Board Metro Valley Study Session. The CCO's are listed below.

- A. Contract Number (CN) C13022 with KASA Construction, Inc. for construction of the SR-210 Segment 11 Landscaping project: CCO No. 21 (\$1,076.41 decrease for eliminating the compaction requirement for gravel mulch placed on slopes as directed by the Engineer and approved by Caltrans) and CCO No. 22 (\$7,463.00 increase to compensate contractor for application of fertilizer in accordance with the Standard Specifications and the contract Special Provisions).
- B. CN 12036 with Brutoco Engineering and Construction for construction of the I-10 Citrus Avenue Interchange project: CCO No. 70 (\$196,787.88 decrease to account for under and over utilized funds allocated for previously approved change orders).
- C. CN C12224 with Ortiz Enterprises, Inc. for construction of the I-10 Cherry Avenue Interchange project: CCO No. 65 (\$25,387.40 increase to compensate contractor for resolution of Notice of Potential Claim No. 015-05-5-15 related to work required for ADA compliance on sidewalk along Retaining Wall 33).
- D. CN C14164 with Sully-Miller Contracting Company for construction of the I-10 Tippecanoe Avenue Interchange Phase II project: CCO No. 28 Supplement 2 (\$46,000.00 additional funds for domestic water service relocation efforts) and CCO No. 49 (no cost/no credit change for modifications to striping details along northbound Anderson Street to allow for improved vehicular access to adjacent properties).
- E. CN C14162 with Flatiron West, Inc. for construction of the I-15 Base Line Interchange project: CCO No. 39 (\$10,214.00 decrease for modifications to the traffic handling plans to eliminate the need for construction of temporary southbound on ramp and other associated items of work), CCO No. 43 (\$65,584.00 increase for changes to traffic control system and paving material due to conflict with planned stage construction) and CCO No. 44 (\$5,740.03 increase

Entity: CTA, CTC

Board of Directors Metro Valley Study Session Agenda Item

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due to revisions to traffic handling plans necessary to allow for construction of Retaining Wall 382L).

F. CN 15-1001238 with MCM Construction, Inc. for construction of the I-10 Pepper Avenue Bridge Replacement project: CCO No. 4 (\$25,000.00 increase for compensation to contractor for work required to maintain roadway and provide additional traffic control for public convenience as provided for in the Standard Specifications), CCO No. 5 (\$8,000.00 increase for Federal Training Apprentice Program as required in the contract Special Provisions) and CCO No. 8 (\$5,000.00 increase for the establishment of a Dispute Resolution Advisor as required in the contract Special Provisions).

Financial Impact:

This item imposes no financial impact, as all CCOs are within previously approved contingency amounts under Task No's 0824, 0826, 0842, 0892 and 0896.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee.

Responsible Staff:

Garry Cohoe, Director of Project Delivery

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Board of Directors Metro Valley Study Session
Construction Change Orders Log

I-10 Citrus Interchange - Executed Change Orders		
Number	Description	Amount
001	Traffic Control	\$ 35,000.00
001 S-1	Traffic Control, Additional Funds	\$ 35,000.00
001 S-2	Traffic Control, Additional Funds	\$ 30,000.00
002	Maintain Irrigation and Landscaping	\$ 8,000.00
003	Water Pollution Control Maintenance Sharing	\$ 25,000.00
004	Partnering	\$ 10,000.00
004 S-1	Additional Funds	\$ 10,000.00
005	Dispute Review Board	\$ 15,000.00
005 S-1	Additional Funds	\$ 5,000.00
006	Maintain Existing Electrical Systems	\$ 20,000.00
006 S-1	Additional Funds	\$ 5,000.00
006 S-2	Additional Funds	\$ 8,100.00
007	Graffiti Removal	\$ 5,000.00
008	DS-10 Redesign and Align	\$ (143,397.00)
009	Replace Loop Detection with Video Detection	\$ 18,645.00
010	Sewer Connection on South Citrus	\$ 7,945.48
011	Replace RSC and RSLCB in WB Off-Ramp Termini with Standard JPCP	\$ (164,877.00)
011 S-1	Replace RSC and RSLCB in WB Off-ramp Termini with Standard JPCP Supplement 1	\$ 46,674.75
012	Over-Excavate and Re-Compact Under OH Abutments and WW	\$ 11,483.50
013	Replace RSC and RSLCB in WB Off-Ramp Gore	\$ (41,180.48)
014	Septic System for 76 Gas Station	\$ 36,783.25
015	ROW Delay for Alcorn Fence	\$ 1,500.00
016	DS-15 Connection to DS-1	\$ 2,911.33
017	Revise DWY Approaches and DWYS at Boyle Cul-de-Sac	\$ 11,130.00
017 S-1	Revise DWY Approaches and DWYS at Boyle Cul-de-Sac, Additional Funds	\$ 27,000.00
018	Replace RSC with Standard JPCP - WB On-Ramp Gore	\$ (32,840.80)
019	Replace RSC with Standard JPCP - EB Off-Ramp Gore	\$ (62,956.58)
020	Replace RSC with Standard JPCP - WB Off-Ramp Gore	\$ (21,153.30)
021	Non-Compensable Excusable Delay	\$ 0.00
022	Longitudinal Tining	\$ 8,500.00
023	Payment Adjustments for Price Index Fluctuations	\$ 161,000.00
024	Parapet Headwall Height Change	\$ 4,000.00
025	76 Gas Station Improvements	\$ 38,000.00
026	Non-Compensable Excusable Delay - 4 Days	\$ 0.00
027	Electrical Work	\$ 54,000.00
028	Demo and Grade on Citrus Avenue	\$ (28,022.88)
028 S-1	Additional Funds for Traffic Control	\$ 28,022.88
029	Removal and Disposal of Man-Made Objects	\$ 26,000.00
029 S-1	Additional Funds	\$ 49,800.00
030	Rock Blanket Credit	\$ (74,957.08)
032	Lane Closure Charts Change	\$ 0.00
033	DS-25 Modifications	\$ 38,500.00
034	Adjustment of Item Overruns	\$ 27,111.10
036	Change in Retaining Wall Type	\$ 29,883.70
038	Claim Settlement for Differing Site Conditions	\$ 26,400.00

Attachment: CCO Log (2797 : Construction Contract Change Orders MVSS1606)

Bolded - Construction Change Orders approved since the last reporting to the Metro Valley Study Session
Amounts shown in parentheses represent a credit to the Agency

040	DS-1 Modifications	\$ 14,000.00
041	Tree Removal and Water Line	\$ 8,500.00
042	Relocation of Gas and Water Services	\$ 12,200.00
043	ADA Requirements on Bridge	\$ 26,000.00
043 S-1	Time Adjustment	\$ 0.00
044	Eliminate Rapid-Set Concrete on #4 Lanes	\$ 86,614.00
045	Additional Concrete Swale Along RW 795	\$ 9,200.00
046	Fencing and Gates along Residential Properties	\$ 27,247.00
047	Additional Rock Blanket at Bridge Abutment	\$ 27,000.00
048	Curb and Sidewalk at SW Corner Valley/Citrus	\$ 5,200.00
050	Mulberry Channel Access Ramp	\$ 45,778.00
051	Street Light Pole Bases	\$ 8,159.00
052	Revise Curb Ramps, Sidewalks & Ped Buttons for ADA	\$ 15,000.00
054	I-10 Median Paving	\$ 44,500.00
056	Misc. Work Not Covered by Contract Items	\$ 40,000.00
057	Concrete Pavement Just-In-Time Training	\$ 1,500.00
058	NOPC No. 6 Resolution	\$ 63,000.00
059	Traffic Signal Equipment at Slover and Valley	\$ 59,787.00
060	Caltrans Safety Comments EB on Ramp	\$ 35,000.00
061	Remove Pedestrian Crossing Features	\$ 35,000.00
065	Apprentice Training	\$ 3,600.00
065 S-1	Additional Funds	\$ 1,400.00
066	Hot Mixed Asphalt Price Adjustment	\$ 35,141.65
067	Final Adjustment of Various Bid Items at Contract Unit Price	\$ 147,391.52
068	Final Adjustment of Various Bid Items at Contract Unit Price	\$ 104,127.07
069	Final Claims Adjustment and Extending Plant Establishment Period	\$ 8,000.00
070	Returning Unused Funds to Contingency	\$ (196,787.88)
CCO TOTAL		\$ 963,563.23
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 5,726,000.00

I-10 Cherry Interchange - Executed Change Orders		
Number	Description	Amount
1	Additional Traffic Control System	\$ 35,000.00
1 S-1	Additional Funds	\$ 12,000.00
2	Maintain Existing Irrigation System	\$ 5,000.00
2 S-1	Additional Funds	\$ 25,000.00
3	Water Pollution Control Maintenance Sharing	\$ 20,000.00
4	Additional Striping and Temporary Pavement	\$ 30,000.00
4 S-1	Additional Striping – Supplement 1	\$ 15,000.00
4 S-2	Additional Striping – Supplement 1	\$ 30,000.00
5	SWPPP Change of Risk Level	\$ (39,090.00)
6	Dispute Review Board	\$ 15,000.00
6 S-1	Additional Funds	\$ 10,000.00
7	Partnering	\$ 20,000.00
8	Compliance with Right-of-Way Obligations	\$ 60,000.00
8 S-1	Compliance with Right-of-Way Obligations – Supplement 1	\$ 60,000.00
8 S-2	Compliance with Right-of-Way Obligations – Supplement 2	\$ 100,000.00
9	Graffiti Removal	\$ 15,000.00

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9 S-1	Graffiti Removal – Supplement 1	\$ 25,000.00
10	Maintain Existing Electrical System	\$ 10,000.00
10 S-1	Maintain Existing Electrical System – Supplement 1	\$ 20,000.00
10 S-1	Maintain Existing Electrical System – Supplement 2	\$ 38,000.00
11	Spillway Drainage Connection to DS-1	\$ 25,000.00
11 S-1	Spillway Drainage Connection to DS-1 – Supplement 1	\$ 13,000.00
11 S-2	Additional Funds	\$ 18,000.00
12	Temporary Light Poles	\$ 20,000.00
13	Remove Existing Sign Structure	\$ 10,260.00
14	Compensation for Right-of-Way Obstruction (Leach Tank)	\$ 10,780.00
15	Revision to Contract Special Provisions for Tree Removal	\$ 0.00
16	RW 680 Footing Modifications	\$ (21,490.00)
17	Remove Existing Asbestos Pipe	\$ 10,797.00
19	Regular PCCP in Lieu of Rapid Set Concrete	\$ (152,296.00)
18	Realign 96” RCP	\$ 49,991.01
20	Driveway for Truck Stop Facility	\$ 0.00
21	Remove Tree Item Adjustment	\$ 103,187.55
21 S-1	Additional Funds	\$ 58,999.65
22	Change in Alignment for SW 697	\$ 0.00
23	Modified Concrete Barrier for Concrete Poles	\$ 25,000.00
23 S-1	Additional Funds	\$ 35,000.00
24	Removal and Disposal of Man-Made Buried Objects	\$ 5,000.00
24 S-1	Additional Funds	\$ 55,000.00
25	Additional Grout at Sound Wall 697	\$ 5,000.00
26	New Drainage System at RW 33	\$ 5,199.50
27	Modifications to Drainage System No. 1 Channel Wall	\$ 21,477.30
28	Just-in-Time Training	\$ 1,110.00
29	Maintain Existing Drainage System	\$ 20,000.00
29 S-1	Additional Funds	\$ 30,000.00
30	Modifications to Drainage System	\$ (115,480.50)
31	Payment to Edison	\$ 10,000.00
32	Various Unforeseen Additional Work	\$ 30,000.00
32 S-1	Additional Funds	\$ 30,000.00
33	Electrical Revisions for MSE Wall	\$ 46,447.28
34	Bridge Modifications as per Caltrans and UPRR	\$ 26,000.00
35	Increase in Various Items	\$ 73,234.66
36	Joint Armor for Bridge Sidewalks	\$ 13,000.00
37	Revisions to Rock Blanket Thickness	\$ (154,335.02)
37 S-1	Replace Rock Blanket with 2 ½” Gravel	\$ (23,100.00)
38	Revise SP’s for Payment for Removal of Temporary Striping	\$ 20,000.00
38 S-1	Additional Funds	\$ 14,000.00
40	Rush Truck Center Parking Lot	\$ 45,000.00
42	Pedestrian Access to Bridge	\$ 20,000.00
42 S-1	Additional Funds	\$ 5,000.00
43	Type 60C Barrier and Shotcrete Along W/B Off-Ramp	\$ 35,000.00
45	Lower Fiber Optics and Drainage Systems for Roadway	\$ 60,461.12
45 S-1	Additional Funds	\$ 10,000.00
46	Temp. Electrical Feed for Street Lighting for Stage 1A	\$ 17,000.00
48	Pedestrian Signal Heads, Pushbuttons and Street Signs	\$ 29,903.05

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49	Replace Spalled Slabs in Lieu of Patching	\$ 233,882.72
50	Concrete Barrier Anchor Block	\$ 4,825.44
51	Traffic Signal Equipment for Slover and Valley	\$ 71,082.80
52	Railroad OH Modifications	\$ 73,660.00
53	NOPC 003-07-25-13 Resolution	\$ 249,760.84
54	Stage 3B Construction Changes	\$ (45,206.82)
54 S-1	Additional Stage Construction Changes	\$ (104,722.20)
55	Modify Drain Inlet	\$ 3,526.18
56	Apprentice Training	\$ 9,600.00
57	Farmer Boy Restaurant Landscaping and Irrigation System	\$ 10,350.00
58	Modify Striping on Cherry	\$ 9,590.50
58 S-1	Resolve NOPC No. 13-04-10-15	\$ 9,664.84
59	Final Quantity on Various Bid Items	\$ (16,284.59)
60	Installation of LED Lighting Equipment	\$ 49,269.71
61	Vandal Proof Pull box Lids	\$ 30,000.00
62	Modifications to Drainage System No. 9	\$60,000.00
63	Bid Item No. 104 Final Payment Adjustment	\$ 24,347.81
65	Resolution of NOPC No. 015-05-5-15 (ADA Improvements)	\$ 25,387.40
67	Bid Item Price Adjustment	\$ 142,075.55
68	Bid Item Adjustments	\$ 18,700.01
CCO TOTAL		\$ 1,906,566.79
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 5,282,319.79

Palm Avenue Grade Separation – Executed Change Orders		
Number	Description	Amount
1	Delayed Start	\$ 0.00
1 S-1	Partial Suspension of Work Due to Utility Delays	\$ 0.00
2	Additional Hoop Rebar for CIDH Piles	\$ 1,310.00
3	Additional SWPPP Measures and SWPPP Maintenance	\$ 50,000.00
3 S-1	Additional Funds	\$ 11,406.00
3 S-2	Returning Unused Funds to Contingency	\$ (32,239.10)
3 S-3	Returning Unused Funds to Contingency	\$ (5,222.25)
4	Additional Traffic Control	\$ 25,000.00
4 S-1	Returning Unused Funds to Contingency	\$ (5,651.49)
5	Modify Contract Language to Remove Barstow	\$ 0.00
6	Modification to City Water Line	\$ (8,750.00)
6 S-1	Modification to City Water Line	\$ 0.00
6 S-2	Additional Funds	\$ 14,922.00
6 S-3	Deletion of Butterfly Valve and Hydrant	\$ (635.26)
6 S-4	Returning Unused Funds to Contingency	\$ (5,827.33)
7	Temporary Drainage System	\$ 10,000.00
7 S-1	Returning Unused Funds to Contingency	\$ (4,588.04)
8	Revisions to Denny's, Cross Slope and Detour	\$ 71,027.00
8 S-1	Additional Funds	\$ 3,500.00
8 S-2	Returning Unused Funds to Contingency	\$ (635.48)
9	Relocate Existing Pole Gate	\$ 4,242.00
10	Various Electrical Changes	\$ 39,600.00
10 S-1	Additional Funds	\$ 10,505.00

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10 S-2	Determination of Zero Days to Schedule	\$ 0.00
11	Wrought Iron Fence Substitution	\$ (5,000.00)
12	Water Meter Installation	\$ 24,514.00
12 S-1	Additional Funds	\$ 2,000.00
12 S-2	Additional Funds for Water Payment	\$ 3,000.00
12 S-3	Returning Unused Funds to Contingency	\$ (2,476.57)
13	Dispute Resolution Advisor	\$ 15,000.00
13 S-1	Returning Unused Funds to Contingency	\$ (14,250.00)
14	Cable Railing for Headwalls and Wing-Walls	\$ 3,750.00
15	Electrical Services	\$ 50,000.00
15 S-1	Returning Unused Funds to Contingency	\$ (21,952.95)
15 S-2	Additional Funds	\$ 32.84
16	VECP for Retaining Wall Elimination	\$ (65,686.51)
16 S-1	VECP Final Savings Determination	\$ (27,850.00)
17	Transition Barrier Railing at BNSF R/W	\$ 5,263.25
18	Curb and Gutter Near Edison Pole	\$ 30,000.00
18 S-1	Returning Unused Funds to Contingency	\$ (27,836.18)
19	Chain Link Fence Details on Bridge	\$ 1,050.50
20	Bridge Deck Profilograph	\$ 1,540.00
21	Accelerated Weekend Work	\$ 88,279.00
21 S-1	Returning Unused Funds to Contingency	\$ (22,124.51)
21 S-2	Deferred Time – Zero Working Days Added	\$ 0.00
22	Increase in Temporary Striping and Potholing	\$ 16,715.50
23	Modify Existing Industrial Pkwy for Frontage Road	\$ 45,055.50
23 S-1	Additional Funds	\$ 71,141.00
23 S-2	Additional Funds	\$ 25,000.00
23 S-3	Returning Unused Funds to Contingency	\$ (3,040.96)
23 S-4	Deferred Time – Zero Working Days Added	\$ 0.00
24	Temporary Electrical	\$ 3,380.00
25	Modifications to Denny's Temporary Driveway	\$ 30,000.00
25 S-1	Additional Funds	\$ 1,620.00
25 S-2	Additional Funds	\$ 32,732.00
25 S-3	Returning Unused Funds to Contingency	\$ (15,570.86)
26	BNSF Roadway Removals	\$ 40,263.00
26 S-1	Additional Funds	\$ 10,000.00
26 S-2	Returning Unused Funds to Contingency	\$ (6,026.32)
27	Traffic Signal Loops	\$ 3,025.00
27 S-1	Deferred Time – Zero Working Days Added	\$ 0.00
29	DG Walk, Swale and AC Dike changes near UPRR	\$ 3,530.00
29 S-1	Returning Unused Funds to Contingency	\$ (789.34)
30	Pavement Delineation on Industrial Parkway	\$ 4,540.00
30 S-1	Deferred Time – Zero Working Days Added	\$ 0.00
31	Apprentice Training	\$ 4,800.00
31 S-1	Returning Unused Funds to Contingency	\$ (3,037.60)
32	Roadside Signs on Street Light Poles	\$ (230.00)
33	Modify Pole Gate	\$ 527.00
33 S-1	Deferred Time – Zero Working Days Added	\$ 0.00
34	Additional Shoulder Stripe	\$ 2,431.00
34 S-1	Deferred Time – Zero Working Days Added	\$ 0.00

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Attachment: CCO Log (2797 : Construction Contract Change Orders MVSS1606)

35	Walters Driveway Wheelchair Ramps	\$ 10,000.00
35 S-1	Deferred Time – 27 Working Days Added	\$ 0.00
36	Bid Item No. 11 Price Adjustment	\$ 1,410.25
36 S-1	Deferred Time – Zero Working Days Added	\$ 0.00
37	Bid Item Cost Adjustment for Final Payment	\$ (14,756.16)
38	RE Office Lease Extension	\$ 6,111.00
38 S-1	Deferred Time – Zero Working Days Added	\$ 0.00
39	Slurry Seal Roadway	\$ 15,028.00
39 S-1	Additional Funds for Pavement Report	\$ 3,636.88
40	Claim Payment for Grading work; Exception to PFE	\$ 1,432.30
CCO TOTAL		\$ 518,899.27
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 1,254,317.50

I-10 Tippecanoe Avenue Phase II – Executed Change Orders		
Number	Description	Amount
1	Delete Paleontological Resources from Special Provisions	\$ 0.00
2	Revise Special Provisions Section “Work Around Parcel”	\$ 0.00
3	Maintain Traffic	\$ 50,000.00
4	Partnering	\$ 35,000.00
5	Dispute Review Board	\$ 15,000.00
7	Landscaping Repairs	\$ 2,300.00
8	Tree Removal	\$ 6,750.00
9	Strom Water Maintenance	\$ 19,400.00
10	Buried Man-made Objects	\$ 10,000.00
11	Sign Quantities, Flashing Beacon & Sign Foundation Modifications	\$ 38,089.58
10 S-1	Additional Funds	\$ 20,000.00
12	Placement of Suitable Embankment Material Westbound Off-ramp	\$ 60,000.00
12 S-1	Additional Funds	\$ 75,000.00
13	Replace Paving at Conejo & Lee	\$ 5,000.00
14	Plans & Specs Clarification for Bakers Parking Lot	\$ 0.00
15	Casing for Sound Wall CIDH Pile	\$ 5,000.00
16	Realignment of Drainage System No. 13	\$ 5,000.00
16 S-1	Additional Funds	\$ 3,500.00
17	Driveway Access at 1205 Coulston	\$ 17,177.50
17 S-1	Additional Funds	\$ 850.00
18	Modify Stage Construction (Adding 31 Agency Owned Float)	\$ 0.00
18 S-1	Additional Funds - Staging Modifications	\$ 0.00
18 S-2	Additional Funds – K-rail for Staging Switch	\$ 1,260.00
19	Asphalt Binder Adjustment for RHMA Mix Design	\$ 0.00
20	SCE Electrical Service Change	\$ 0.00
20 S-1	Decrease in conduit and pull boxes	\$ (5,300.00)
21	Apprentice Training Program	\$ 6,400.00
22	Grade Transition at Coulston and Conejo	\$ 25,000.00
23	K-Rail & Crash Cushion	\$ 3,025.00
24	Temporary Pavement Repairs W/B On-Ramp	\$ 8,000.00
25	Maintain Existing and Temporary Electrical Systems	\$ 50,000.00
26	Remove Tree at Del Taco	\$ 5,000.00
26 S-1	Additional Funds for trees at Lee Street	\$ 5,000.00

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28	Relocate Water Meters and Gas Meter	\$ 12,000.00
28 S-1	Additional Funds	\$ 41,219.83
28 S-2	Additional Funds	\$ 46,000.00
29	Curb Wall and Hand Railing	\$ 57,973.30
30	Traffic Signal & Interconnect Caltrans Modifications	\$ 60,743.52
31	Increase in Bid Item Costs	\$ 13,164.12
31 S-1	Additional Funds	\$ 1,723.04
31 S-2	Additional Funds	\$ 1,420.07
31 S-3	Additional Funds	\$ 15,177.10
32	Repair Damage by Others	\$ 2,000.00
33	Relocate BK Subs Sign	\$ 14,630.21
34	Install Copper Irrigation Service Line In-lieu of PVC Pipe	\$ 3,569.00
34 S-1	Additional Funds	\$ 8,818.95
34 S-2	Additional Funds	\$ 8,818.95
36	Drainage System No. 22 Re-alignment	\$ 20,000.00
37	AC Paving Transition at Back of New Sidewalk	\$ 8,000.00
39	City of San Bernardino Street Signs	\$ 2,051.75
40	Electrical Pull Box Wire Theft Deterrent	\$ 1,000.00
41	Rebar Couplers for Bridge Deck Closure Pour	\$ 35,000.00
42	Reinstalling Bakers Drive Thru Parking Lot Items	\$ 10,000.00
43	Drainage System No. 6 Additional Inlet	\$ 27,639.00
45	Luminaire Arm Changes SCE	\$ 2,400.00
47	Additional Water Meter Fees	\$ 8,355.60
49	Striping Modifications along Anderson	\$ 0.00
50	Handrail at Redlands and Anderson behind Curb Ramp	\$ 15,000.00
CCO TOTAL		\$ 878,156.52
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 1,583,771.87

Hunts Lane Grade Separation – Executed Change Orders		
Number	Description	Amount
1	Under-Sidewalk Drains and Drainage Call-Outs	\$ (1,100.00)
2	Install Temporary AC Sidewalk South of the RR Tracks	\$ 6,423.00
3	Maintain Existing Electrical	\$ 10,000.00
3 S-1	Maintain Existing Electrical	\$ 20,000.00
4	Man-Made Buried Objects	\$ 80,000.00
4 S-1	Man-Made Buried Objects	\$ 40,000.00
5	Extended Underground Utilities at Oliver Holmes	\$ 15,446.68
6	Maintain Traffic	\$ 20,000.00
6 S-1	Maintain Traffic	\$ 20,000.00
7	Partnering	\$ 5,000.00
8	Dispute Review Board	\$ 10,000.00
8 S-1	Additional Funds	\$ 995.72
9	Trainee	\$ 5,000.00
10	60" Casing Thickness Increase	\$ 16,438.80
11	Substitute Cast-in-Place with Precast Reinforced Concrete Box (RCB)	\$ 0.00
12	Retaining Wall No. 7 Alignment	\$ (2,535.00)
13	Temporary Business Signage	\$ 5,000.00
14	Pedestrian Sidewalk	\$ 10,000.00

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14 S-1	Additional Funds	\$ 19,571.63
14 S-2	Additional Funds	\$ 3,455.35
15	MSE Wall Design Methodology	\$ 0.00
16	Additional AT&T Work	\$ 25,500.00
17	16" Waterline Tie-In	\$ 12,700.00
18	SCE Utility Work Deduction	\$ (59,415.80)
19	Drainage Ditch at Club Center Drive	\$ 10,975.00
19 S-1	Additional Funds	\$ 4,298.31
19 S-2	Bypass Channel around Utility Improvements	\$ 9,217.43
19 S-3	Additional Funds	\$ 882.13
19 S-4	Additional Funds	\$ 896.93
20	AT&T Shift for Jacking Pit	\$ 20,000.00
21	Combination of Stages	\$ 0.00
22	Temporary Sewer Tie-In	\$ 70,000.00
22 S-1	Temporary Sewer Tie-In	\$ 40,000.00
23	Temporary Sewer Tie-In	\$ 37,000.00
23 S-1	Temporary Sewer Tie-In	\$ 50,000.00
24	Decatur Irrigation Rebuild	\$ 15,000.00
25	Striping Changes	\$ 0.00
26	Moving Jacking Pit	\$ 10,000.00
26 S-1	Moving Jacking Pit	\$ 30,000.00
27	Hunts Lane Drainage Change	\$ 18,462.00
28	Emergency Access Structure Waterproofing	\$ 7,000.00
29	CIDH Lap Splicing	\$ 5,216.10
30	Temporary Traffic Delineation Removal	\$ 2,365.00
31	Reimburse Pilot Bore	\$ 27,680.21
34	Additional Sewer Manhole	\$ 8,900.00
43	Plant Establishment Type Change	\$ 0.00
45	Additional Working Day's for Jack and Bore	\$ 0.00
45 S-1	Additional Working Day's	\$ 0.00
45 S-2	Additional Funds for SWPP & Field Office Rent	\$ 7,474.25
45 S-3	Additional Funds for SWPP & Field Office Rent	\$ 640.65
47	Additional Type CF Service Cabinet	\$ 3,520.00
48	Landscaping Reduction	\$ 6,526.20
49	Closure Panels at MSE Wall and Bridge	\$ 0.00
50	Shorter Street Light Under Edison Lines	\$ 3,299.25
51	Profile Bridge Deck	\$ 2,500.00
52	Deletion of Cross Gutter	\$ 0.00
53	Drain Inlet for Adjacent Properties	\$ 6,500.00
54	Additional Potholing of Edison Facilities	\$ 15,000.00
54 S-1	Decrease of Funds	\$ (7,862.82)
55	Additional Chain Link Fence and Gates	\$ 7,150.00
55 S-1	Additional Funds	\$ 19,580.00
55 S-2	Additional Funds	\$ 6,110.17
55 S-3	Additional Funds	\$ 266.81
56	Removal of At-Grade Crossing Equipment	\$ 20,000.00
56 S-1	Additional Funds	\$ 11,533.66
57	Bollards	\$ 10,000.00
58	Redwood Fence Topper on Masonry Wall	\$ 7,565.80

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59	Pavement Markings and Crosswalk Deletion	\$ 3,418.80
61	Thief-Proof Access Panels on Light Standards	\$ 411.72
62	Additional Traffic Safety Items	\$ 10,000.00
62 S-1	Additional Funds	\$ 15,869.97
64	Irrigation System Increase due to Water Meter Locations	\$ 9,780.00
65	Decatur Center Landscaping Payment	\$ 4,002.90
66	Fencing Along UPRR Easement	\$ 7,320.00
69	Superior Truck Company Gate Payment	\$ 5,500.00
71	Settlement of NOPC No. 3	\$ 86,357.51
72	Colton Electric Facility Protection	\$ 3,000.00
73	Settlement of NOPC No. 2	\$ 0.00
74	Settlement of NOPC No. 5	\$ 8,692.46
75	Settlement of NOPC No. 6	\$ 32,929.10
76	Settlement of NOPC No. 7	\$40,145.13
77	Settlement of NOPC No. 4	\$ 0.00
78	Settlement of Deferred Time – 79 Additional Working Days	\$ 0.00
79	Settlement of NOPC No. 11	\$ 9,474.52
80	Settlement of Exception to PFE (Service Splices)	\$ 6,725.00
81	Settlement of Exception to PFE (Additional Irrigation)	\$ 5,078.00
82	Re-grading Trench for 16" Water Line	\$ 6,104.48
83	Cement Slurry Red Dye	\$ 2,095.16
84	Additional Electrical Work	\$ 2,191.77
85	Fire Hydrant Relocation & Additional Sewer Manhole	\$ 25,000.00
86	Damage Repairs from Traveling Public	\$ 7,888.13
87	West Colony Community HOA Settlement	\$ 4,400.00
CCO TOTAL		\$ 1,046,562.11
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 1,833,947.00

I-10 Riverside Avenue Landscaping EEP – Executed Change Orders		
Number	Description	Amount
1	Project Deficiencies Repairs	\$ 2,500.00
CCO TOTAL		\$ 2,500.00
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 295,226.10

Laurel Street Grade Separation – Executed Change Orders		
Number	Description	Amount
1	Maintain Roadway and Maintain Traffic	\$ 20,000.00
2	Removal and Disposal of Buried Man-Made Object	\$ 10,000.00
2 S-1	Additional Funds	\$ 10,000.00
3	Revised City of Colton Electrical E-02	\$ 9,476.14
5	RJ&R and TCI Properties	\$ 47,966.00
6	Increase TWC Size of Vault	\$ 4,515.00
7	Compensate Contractor for Payment to AT&T Utility	\$ 109,740.02
7 S-1	Additional Funds	\$ 87,122.00
8	36" Casing – Waterline	\$ 86,535.00
9	Dispute Review Board	\$ 22,500.00
10	Different in Cost 750mm Wire in Lieu of 500mm	\$ 4,000.00

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10 S-1	Additional Funds	\$ 4,000.00
10 S-2	Additional Funds	\$ 15,000.0
11	Increase Depth of Colton Vault	\$ 25,000.00
12	Remove Existing SCRRA Materials	\$ 10,000.00
13	Protecting and Repairing Underground Facilities	\$ 5,000.00
13 S-1	Additional Funds	\$ 5,000.00
13 S-2	Additional Funds	\$ 10,000.00
17	BNSF Shoofly Drainage	\$ 28,228.00
19	Additional Fire Protection Measures	\$ 11,794.62
19 S-1	Additional Funds	\$ 105,100.00
19 S-2	Additional Funds	\$ 3,673.05
21	Miller's Honey Stairs, Ramps and Parking Lot Modifications	\$ 12,160.00
24	Irrigation Back-flow Substitution	\$ 0.00
30	Concrete in Lieu of AC on RJ&R Property	\$ 16,800.00
32	Differing Site Conditions – Piling	\$ 20,000.00
32 S-1	Additional Funds	\$ 90,000.00
32 S-2	Additional Funds	\$ 50,000.00
33	3' Wide Pavement Transition	\$ 10,800.00
33 S-1	Additional Funds	\$ 5,000.00
35	Revised Hot Mixed Asphalt Specifications	\$ 0.00
36	Crude Oil Price Index Fluctuation	\$ 40,000.00
37	AT&T Relocations Additional Work	\$ 7,000.00
38	Striping and Bumpers in TCI Back lot	\$ 7,470.00
39	Additional Remotes for TCI Automatic Gate	\$ 3,937.64
40	Mobilization Costs due to Relocation Delays of waterline and AT&T	\$ 28,000.00
41	Revisions to Specs for Double Swing Gate	\$ 0.00
42	Temporary AC and Re-mob for Miller's Honey Paving	\$ 8,090.00
43	SWRCB Annual Permit	\$ 1,483.90
44	Retaining Curb on TCI Property	\$ 5,000.00
45	Cost to meet Right of Way Obligations	\$ 20,000.00
45 S-1	Additional Funds	\$ 30,000.00
46	BNSF Signal Bridge	\$ 14,000.00
47	Bridge Access Casings	\$ 30,350.00
48	Additional Earthwork Mobilization for BNSF Work	\$ 25,000.00
50	10-inch Wall at Retaining Wall No. 2	\$ 50,000.00
50 S-1	Additional Funds	\$ 50,000.00
51	Planter Walls at Adjacent Properties	\$ 16,000.00
51 S-1	Additional Funds	\$ 21,700.00
52	Extend Bridge Concrete Barrier	\$ 4,000.00
53	Supports for Temporary BNSF Overhead Signal Cables	\$ 130,815.65
53 S-1	Decrease Funds	\$ (68,961.20)
55	Additional Ballast/Sub-Ballast	\$ 54,294.45
56	BNSF Signal Cable Trenching	\$ 11,630.00
57	Profilograph Work on Access Bridge	\$ 3,000.00
59	Additional Form Liners	\$ 52,690.18
60	Bid Item Adjustments to Eliminate 4" Elevation Difference	\$ 7,041.30
61	Form Liner Specification Change	\$ 0.00
CCO TOTAL		\$ 1,391,951.75
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 2,754,187.72

Attachment: CCO Log (2797 : Construction Contract Change Orders MVSS1606)

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SR-210 Segment 8 Landscaping EEP – Executed Change Orders		
Number	Description	Amount
1	Slope Erosion Control Measures	\$ 15,000.00
2	Replace Remote Control Valve Solenoids	\$ 5,299.90
CCO TOTAL		\$ 20,299.90
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 199,918.60

SR-210 Segment 11 Landscaping – Executed Change Orders		
Number	Description	Amount
2	Install Roadside Signs	\$ 1,955.96
3	Water Meter Fee Adjustment	\$ 41,729.38
3 S-1	Additional Funds	\$ 6,515.39
4	Locate Existing Crossovers	\$ 30,000.00
4 S-1	Returning Unused Funds to Contingency	\$ (3,429.76)
5	Install Irrigation Crossovers	\$ 40,000.00
5 S-1	Install Irrigation Crossovers	\$ 5,965.81
6	Traffic Control	\$ 5,000.00
6 S-1	Additional Funds	\$ 1,181.90
7	Install Wireless Communication	\$ 7,237.60
7 S-1	Additional Funds	\$ 5,342.31
7 S-2	Additional Funds	\$ 2,944.19
8	Repair Slipped Slope	\$ 64,844.08
8 S-1	Addition of 10 Working Days to Contract Time	\$ 0.00
8 S-2	Returning Unused Funds to Contingency	\$ (15,446.49)
9	Remove Man-Made Objects	\$ 10,000.00
9 S-1	Additional Funds	\$ 3,829.89
10	Wildflower Seed Change	\$ 0.00
11	Rock Blanket and V-Ditch	\$ 80,000.00
12	Pothole Paving	\$ 33,378.72
13	Additional 1.5" Electrical Conduit	\$ 8,971.96
13 S-1	10% Markup on Subcontractor Electrical work	\$ 987.20
14	Shared Cost for Fiber Optic Repairs	\$ 950.00
15	Slope Paving Repairs	\$ 12,000.00
15 S-1	Returning Unused Funds to Contingency	\$ (939.09)
16	Bid Item Overrun/Underrun Final Adjustment	\$ 36,441.15
17	Replace Frost Damaged Plants	\$ 7,500.00
17 S-1	Additional Funds	\$ 908.21
18	Three (3) Additional Work Days	\$ 0.00
19	Bid Item Price Adjustment	\$ (113,388.00)
20	Bid Item Price Adjustment	\$ 24,001.13
21	Eliminate Gravel Compaction on Slopes	\$ (1,076.41)
22	Plant Fertilizer during Planting	\$ 7,463.00
CCO TOTAL		\$ 304,868.13
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 445,031.83

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I-215 Segment 1 & 2 Project – Executed Change Orders		
Number	Description	Amount
001	Traffic Control	\$ 100,000.00
001 – S1	Traffic Control – Additional Funds	\$ 100,000.00
001 – S2	Traffic Control – Additional Funds	\$ 150,000.00
001 – S3	Traffic Control – Additional Funds	\$ 100,000.00
001 – S4	Traffic Control – Additional Funds	\$ 125,000.00
001 – S5	Traffic Control – Additional Funds	\$ 250,000.00
001 – S6	Traffic Control – Additional Funds	\$ 205,000.00
001 – S7	Traffic Control – Additional Funds	\$ 7,610.13
001 – S8	Traffic Control – Additional Funds	\$ 15,313.38
001 – S9	Traffic Control – Additional Funds	\$ 3,750.07
002	Establish a Dispute Review Board	\$ 35,000.00
002 – S1	Establish a Dispute Review Board – Additional Funds	\$ 913.78
002 – S2	Establish a Dispute Review Board – Additional Funds	\$ 187.50
003	Establish a Partnering Training Workshop	\$ 50,000.00
004	Hot Mix Asphalt Price Fluctuation Adjustment of Compensation	\$ 230,000.00
004 – S1	Hot Mix Asphalt Price Fluctuation Adjustment of Compensation – Additional Funds	\$ 100,000.00
004 – S2	Hot Mix Asphalt Price Fluctuation Adjustment of Compensation – Additional Funds	\$ 300,000.00
004 – S3	Hot Mix Asphalt Price Fluctuation Adjustment of Compensation – Additional Funds	\$ 210,000.00
004 – S4	Hot Mix Asphalt Price Fluctuation Adjustment of Compensation – Additional Funds	\$ 50,000.00
005	Maintain Existing Electrical	\$ 50,000.00
005 – S1	Maintain Existing Electrical – Additional Funds	\$ 50,000.00
005 – S2	Maintain Existing Electrical – Additional Funds	\$ 75,000.00
005 – S3	Maintain Existing Electrical – Additional Funds	\$ 24,000.00
005 – S4	Maintain Existing Electrical – Additional Funds	\$ 95,000.00
005 – S5	Maintain Existing Electrical – Additional Funds	\$ 145,000.00
005 – S6	Maintain Existing Electrical – Time Deferment, 4 Days	\$ 0.00
006	Sound Wall Block Detail Revision	\$ 0.00
007	Architectural Treatment Test Panel Size Revision	\$ 0.00
008	Just-In-Time Training for PCC Pavement and Paving Techniques	\$ 6,000.00
009	SWPPP Maintenance	\$ 100,000.00
009 – S1	SWPPP Maintenance – Additional Funds	\$ 950,000.00
009 – S2	SWPPP Maintenance – Additional Funds	\$ 395,000.00
009 – S3	SWPPP Maintenance – Additional Funds	\$ 250,000.00
009 – S4	SWPPP Maintenance – Additional Funds	\$ 9,100.31
010	Utility Potholing	\$ 10,000.00
010 – S1	Utility Potholing – Additional Funds	\$ 10,000.00
010 – S2	Utility Potholing – Additional Funds	\$ 10,000.00
010 – S3	Utility Potholing – Additional Funds	\$ 10,000.00
010 – S4	Utility Potholing – Additional Funds	\$ 20,000.00
011	Buried Man-Made Object	\$ 20,000.00
011 – S1	Buried Man-Made Object – Additional Funds	\$ 30,000.00
011 – S2	Buried Man-Made Object – Additional Funds	\$ 50,000.00
011 – S3	Buried Man-Made Object – Additional Funds	\$ 50,000.00

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011 – S4	Buried Man-Made Object – Additional Funds	\$ 49,000.00
011 – S5	Buried Man-Made Object – Additional Funds	\$ 50,000.00
011 – S6	Buried Man-Made Object – Additional Funds	\$ 95,000.00
011 – S7	Buried Man-Made Object – Time Deferment	\$ 0.00
011 – S8	Buried Man-Made Object – Additional Funds	\$ 2,594.59
012	Provide Access Control Fence	\$ 50,000.00
014	Optional Steel Pipe Pile Specification	\$ 0.00
015	Modify 13 th Street Off-Ramp	\$ 83,325.00
016	Change to Precast Girders at Redlands Loop	\$ 0.00
017	Temporary Fiber Optic	\$ 12,605.00
018	Repair Roadway	\$ 25,000.00
018 – S1	Repair Roadway – Additional Funds	\$ 25,000.00
018 – S2	Repair Roadway – Additional Funds	\$ 50,000.00
018 – S3	Repair Roadway – Additional Funds	\$ 50,000.00
018 – S4	Repair Roadway – Additional Funds	\$ 100,000.00
018 – S5	Repair Roadway – Additional Funds	\$ 125,000.00
018 – S6	Repair Roadway – Additional Funds	\$ 100,000.00
018 – S7	Repair Roadway – Additional Funds	\$ 59,608.04
018 – S8	Repair Roadway – Additional Funds	\$ 17,459.60
018 – S9	Repair Roadway – Additional Funds	\$ 0.00
018 – S10	Repair Roadway – Additional Funds	\$ 190.22
019	Change Sound Wall Pile Steel to No. 3 Rebar	\$ 0.00
020	Realign DS #6	\$ 2,398.00
021	Shear Ring Alternate Welding Method	\$ 0.00
022	Temporary Chain Link Fence at Verizon Yard	\$ 9,500.00
023	Revise DS #20	\$ 9,239.00
024	Change Traffic Opening at 9 th Street	\$ 0.00
025	Revise RW 106W and DS #8, 13 and 100	\$ 15,390.02
026	1200mm Casing for 600mm Jack Pipe DS #8 and 14	\$ 0.00
027	Change Traffic Opening at Baseline Street Over Crossing	\$ 0.00
028	Rialto Top Deck Reinforcement	\$ 0.00
029	Tie-In DS #10-0 to Segment 3	\$ 80,000.00
029 – S1	Tie-In DS #10-0 to Segment 3 – Time Deferment Closure	\$ 0.00
029 – S2	Tie-In DS #10-0 to Segment 3 – Additional Funds	\$ 40,000.00
030	Modify Overhead Sign ‘H’ Values	\$ 13,258.64
030 – S1	Sign B New Foundation	\$ 51,297.29
031	Change Bearing Pad Thickness at 5 th / 215 Southbound on Ramp	\$ 0.00
032	Right-of-Way Delay DS #100 2 nd Street	\$ 10,000.00
033	Modify DS #101 and 102 West of 9 th Segment 2	\$ 63,758.60
033 – S1	Modify DS #101 and 102 West of 9 th Segment 2 – Additional Funds	\$ 35,000.00
033 – S2	Modify DS #101 and 102 West of 9 th Segment 2 – Additional Funds	\$ 52,501.94
033 – S3	Modify DS #101 and 102 West of 9 th Segment 2 – Additional Funds	\$ 25,000.00
033 – S4	Modify DS #101 and 102 West of 9 th Segment 2 – Additional Funds	\$ 30,000.00
034	Modify DS #19 Segment 2	\$ 60,000.00
034 – S1	Modify DS #17 and #19 Segment 2	\$ 51,453.50
034 – S2	Modify DS #17 and #19 Segment 2 – Additional Funds	\$ 95,000.00
034 – S3	Modify DS #17 and #19 Segment 2 – Additional Funds	\$ 16,007.92
034 – S4	Modify DS #17 and #19 – Time Deferment	\$ 0.00
035	Change incandescent ‘Meter On’ Sign	\$ 2,547.55

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036	Strengthen Outside Shoulder	\$ 29,789.00
037	Protect Arco Station Sign and Greenbelt	\$ 10,000.00
039	Credit for Traffic Screen	\$ (35,715.00)
040	Inlet Guards	\$ 12,455.00
041	Relocate Fiber Optic Conduit at Redlands Loop	\$ 0.00
042	Southbound I-215 Detour North of 16 th Street	\$ 152,770.00
042 – S1	Southbound I-215 Detour North of 16 th Street – Additional Funds	\$ 50,000.00
042 – S2	Southbound I-215 Detour North of 16 th Street – Additional Funds	\$ 27,000.00
042 – S3	Southbound I-215 Detour North of 16 th Street – Time Deferment	\$ 0.00
043	Revise Retaining Wall 242B, Add 242C	\$ 112,324.75
044	Third Street Train Mural	\$ 4,925.49
045	Right-of-Way Delay for DS #100 at 3 rd Street Power Pole	\$ 4,182.99
047	Baseline Abutment 1 Right-of-Way Delays Due to BNSF Cables	\$ 55,000.00
047 – S1	Baseline Mitigation of Critical Path Delay	\$ 60,000.00
048	Revise Structural Section 8 and 13	\$ 19,470.00
049	Frame Roadside Signs	\$ 3,066.90
049 – S1	Additional Framed Signs	\$ 1,482.69
050	Change the Sta. for Abutment 1 and 7 16 th Street	\$ 0.00
051	TCE at ARCO Station at Baseline and H Street	\$ 0.00
052	Changes to Special Provisions for CIDH Payment Clause	\$ 0.00
053	Service Conduits for SCE Service Connections	\$ 23,218.32
054	Revise Vertical Drop Connection	\$ 0.00
055	Clean Out Storm Drain at 9 th Street	\$ 4,200.00
056	Revise DS #4, 6 and 84	\$ 5,841.20
057	Graffiti Removal	\$ 20,000.00
057 – S1	Graffiti Removal – Additional Funds	\$ 50,000.00
057 – S2	Graffiti Removal – Additional Funds	\$ 25,000.00
057 – S3	Graffiti Removal – Additional Funds	\$ 75,000.00
058	Salvage Vehicle Detection System	\$ 15,000.00
059	Reduce ADL Quality Bid Item 70 and 71	\$ 0.00
060	3 rd Street Bridge Temporary Retaining Wall Structure Backfill	\$ 25,000.00
061	Additional Drainage Inlet at 3 rd Street	\$ 8,500.00
062	New SWPPP Permit Requirements	\$ 160,665.00
062 – S1	New NPDES Permit – Order No. 2009-0009-DWG	\$ 574,911.32
062 – S2	New NPDES Permit – Order No. 2009-0009-DWG	\$ 55,024.95
062 – S3	New NPDES Permit – Order No. 2009-0009-DWQ – Additional Funds	\$ 113,909.31
062 – S4	New NPDES Permit – Order No. 2009-0009-DWQ – Additional Funds	\$ 332,960.00
063	Additional Bracing for Falsework Bent 2-5 at Baseline Street OC/OH	\$ 15,000.00
064	Right-of-Way Obligations	\$ 25,000.00
064 – S1	Right-of-Way Obligations – Additional Funds	\$ 25,000.00
064 – S2	Right-of-Way Obligations – Additional Funds	\$ 49,000.00
064 – S3	Right-of-Way Obligations – Additional Funds	\$ 86,000.00
064 – S4	Right-of-Way Obligations – Additional Funds	\$ 150,000.00
064 – S5	Right-of-Way Obligations – Additional Funds	\$ 150,000.00
064 – S6	Right-of-Way Obligations – Additional Funds	\$ 90,000.00
064 – S7	Right-of-Way Obligations – Additional Funds	\$ 27,650.95
064 – S8	Right-of-Way Obligations – Additional Funds	\$ 976.41
065	Remove Existing Storm Drain 62A	\$ 6,500.00
066	Repair Deck Opening and Joint on Redlands Loop and Rialto Bridges	\$ 90,105.80

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067	5 th Street Southbound Off-Ramp Acceleration	\$ 50,000.00
068	Modify Drainage Systems	\$ 100,000.00
068 – S1	Modify Drainage Systems – Additional Funds	\$ 90,000.00
068 – S2	Modify Drainage Systems – Additional Funds	\$ 85,000.00
068 – S3	Modify Drainage Systems – Additional Funds	\$ 250,000.00
064 – S4	Modify Drainage Systems – Additional Funds	\$ 120,000.00
068 – S5	Modify Drainage Systems – Additional Funds	\$ 60,000.00
068 – S6	Modify Drainage Systems – Additional Funds	\$ 75,000.00
068 – S7	Modify Drainage Systems – Time Deferment	\$ 0.00
069	Stage Construction 4 th Through 6 th	\$ 95,000.00
069 – S1	Stage Construction 4 th Through 6 th – Additional Funds	\$ 50,000.00
069 – S2	Stage Construction 4 th Through 6 th – Additional Funds	\$ 40,625.22
069 – S3	Stage Construction 4 th Through 6 th – Time Deferment	\$ 0.00
070	Temporary Paving Under 259	\$ 145,927.00
070 – S1	Additional Funds	\$ 53,858.01
071	Repair Fiber Optic Cable at 3 rd Street	\$ 22,000.00
072	Move Gore North for 215/259	\$ 40,000.00
073	Alignment and Temporary Paving Change Sta. 118 to Sta. 121 Median	\$ 0.00
074	Move SCE Connection at 5 th Street	\$ 30,394.56
075	Modify DS #115 at 16 th Street and H Street	\$ 11,530.90
076	Delete Shiner on Retaining Walls, Segment 1	\$ 0.00
077	Modify Drainage Systems G1 to G2 Types	\$ 38,334.30
078	Settlement of NOPC No. 1 – Pump House at 6 th Street	\$ 18,890.32
079	Revised Staging Northbound 2 nd Street Off-Ramp – 2 nd Lane Addition	\$ 25,000.00
079 – S1	Revised Staging Northbound 2 nd Street Off-Ramp	\$ 3,059.13
080	Delete Electrical and Cable Conduit Blockout and Casings at 9 th Street Bridge	\$ 2,000.00
081	Increase Quantities for Bid Item #202 – Welded Steel Pipe Casing (Bridge)	\$ 39,480.00
083	Revised SCE Connection Points	\$ 5,358.47
083 – S1	Revised SCE Connection Points – Addition of Trenton Street	\$ 10,646.65
084	Restage North End of Project and Temporary Southbound 3 rd Street Off-Ramp	\$ 1,630,850.00
084 – S1	Restage North End of Project and Temporary Southbound 3 rd Street Off-Ramp – Additional Funds	\$ 75,000.00
084 – S2	Additional Funds for the BAS Rental Property	\$ 1,343.54
085	Revise DS #38 Callouts	\$ 0.00
086	Chain Link Railing Fabric Color Change	\$ 64,003.59
087	Sidewalk Joint Armor at 9 th Street and Baseline Street OC/OH	\$ 25,000.00
088	Remove Contaminated Material at RW136	\$ 50,000.00
089	CIDH Pile Changes S259/S215 Connector	\$ 75,212.00
090	Electrical Change 2 nd and I Street and 9 th and H Street	\$ 9,499.00
091	Southbound Transition Segment 5 into Segment 2	\$ 75,000.00
091 – S1	Southbound Transition Segment 5 into Segment 2 – Additional Funds	\$ 60,000.00
092	Premium Time for Baseline and H Street Intersection	\$ 25,000.00
092 – S1	Additional Funds	\$ 1,306.16
093	Relocate Signal at South East Corner of 2 nd Street and Southbound On-Ramp	\$ 18,350.00
094	Settlement of NOPC No. 3 – Temporary Power Poles (2 nd and 3 rd Street)	\$ 34,345.28

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095	Revised Deck Contours for 5 th Street to S215 On-Ramp	\$ 0.00
096	Northbound Transition Segment 2 into Segment 5	\$ 80,145.00
097	Modify Bioswale No. 3, Segment 2	\$ 14,732.00
098	Eliminate BI #184 Prepare and Paint Concrete Median Barrier Surfaces	\$ (65,590.00)
099	DS #100 Verizon Utility Conflict	\$ 24,000.00
099 – S1	DS #100 Verizon Utility Conflict – Additional Funds	\$ 86,394.57
100	Expansion Deflection Couplers at Baseline	\$ 2,415.35
101	Remove PCCP at South End of Project	\$ 85,000.00
102	Eliminate Bid Item No. 143 – Anti-Graffiti Coating	\$ (262,800.00)
103	Traffic Signal Modification at 5 th Street Ramps	\$ 9,375.31
104	Add CTPB Under Approach Slab Type R at Redlands Loop Widen and Rialto Avenue Widen	\$ 88,330.56
104 – S1	Revised Layout for Type R Approach Slab at Redlands Loop	\$ 0.00
105	Changes to Moment Barrier Slab Wall 117W	\$ 77,228.78
106	Revised Pile Layout Abut 1 Baseline Stage 2	\$ 80,476.19
107	Sound Wall No. 1 Extension	\$ 144,330.00
107 – S1	Settlement of NOPC NO. 18 – Addition of Sound Wall No. 122	\$ 50,000.00
108	Underdrain at Wall 116W	\$ 40,540.00
109	Move SE-22 Crossing North for 5 th Street Southbound Off-Ramp	\$ 9,438.14
109 – S1	Power for Service SE-19 for Luminaires 32, 34, 35	\$ 15,346.41
110	Column Casing Specification Changes	\$ 0.00
111	Contour Grading at 5 th Street and BNSF Rail Road	\$ 30,000.00
111 – S1	Contour Grading at 5 th Street and BNSF Rail Road – Additional Funds	\$ 20,000.00
111 – S2	Regrade and Concrete Line Earthen Ditches on the West Side of BNSF Right-of-Way	\$ 40,000.00
111 – S3	Regrade and Concrete Line Earthen Ditches on the West Side of BNSF Right-of-Way – Time Deferment	\$ 0.00
112	Install Type ‘D’ Bike Loops	\$ 16,925.08
113	Transition Barrier Between 5 th Street and S215/5 th Street Off-Ramp to Match Existing Bridge	\$ 10,000.00
113 – S1	Retaining Wall 128 Transition Barrier Type 732A	\$ 10,000.00
114	Southbound Baseline On and Off-Ramp Isolation Casing Revisions	\$ 18,848.42
115	Alternative Anchorage Bridge Mounted Signs	\$ 0.00
116	Intentionally Roughening the Bridge Stems	\$ 0.00
117	Modify the 732 Concrete Barriers at DS #8 and 11 Inlets	\$ 5,000.00
117 – S1	Modify the 732 Concrete Barriers at DS #8 and 11 Inlets – Additional Funds	\$ 5,000.00
117 – S2	Modify the 732 Concrete Barriers at DS #8 and 11 Inlets – Additional Funds	\$ 10,000.00
118	Soffit Lighting Layout Changes at 2 nd and 3 rd Street Bridges	\$ 7,916.33
119	Change to Deck Drain Layout at 5 th Street to S215 On-Ramp	\$ 15,000.00
120	Modify and Upgrade Communications Systems	\$ 64,836.00
121	Pull Box Anti-Theft Installation	\$ 40,000.00
121 – S1	Pull Box Anti-Theft Installation – Additional Funds for Caltrans Pull Boxes	\$ 95,000.00
121 – S2	Utility Markers and Installation for Caltrans Pull Boxes – Additional Funds	\$ 10,000.00
121 – S3	Utility Markers and Installation for Caltrans Pull Boxes – Additional Funds	\$ 50,000.00

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121 – S4	Utility Markers and Installation for Caltrans Pull Boxes – Additional Funds	\$ 100,000.00
121 – S5	Utility Markers and Installation for Caltrans Pull Boxes – Additional Funds	\$ 22,324.69
121 – S6	Utility Markers and Installation for Caltrans Pull Boxes – Additional Funds	\$ 1,152.98
122	Settlement of NOPC No. 8 – Storm Drain Repair	\$ 120,000.00
123	Relocate SE-09, Add PPB, Revise Highland Ramp Lighting Connection	\$ 27,863.48
124	Temporary Paving for Northbound 2 nd Street Off-Ramp	\$ 30,000.00
124 – S1	Temporary Paving for Northbound 2 nd Street Off-Ramp – Additional Funds	\$ 15,000.00
125	Clearing and Grubbing Not Shown on Plans	\$ 40,000.00
126	Baseline Street Lighting	\$ 766.32
127	Replace Damaged Existing PCCP Slabs	\$ 80,000.00
127 – S1	Replace Damaged Existing PCCP Slabs – Additional Funds	\$ 40,000.00
127 – S2	Replace Damaged Existing PCCP Slabs – Time Deferment	\$ 0.00
128	Drainage at Retaining Wall 242A	\$ 69,122.75
128 – S1	Drainage at Retaining Wall 242A	\$ 16,129.25
129	Polyester Concrete Overlay at Rialto Avenue Bridge	\$ 194,000.45
129 – S1	Polyester Concrete Overlay at Rialto Avenue Bridge – Additional Funds	\$ 63,250.00
129 – S2	Polyester Concrete Overlay at Rialto Avenue Bridge – Time Deferment	\$ 0.00
130	Slope Paving at 16 th Street	\$ 17,118.80
130 – S1	Settlement of NOPC No. 29 – Barrier at Trenton	\$ 9,000.00
131	Settlement of NOPC No. 7 – Settlement Embankment	PENDING
132	Settlement of NOPC No. 9 – Importing of K-Rail Compensation Denied	\$ 24,000.00
133	Settlement of NOPC No. 14 – Rejection of Additional Costs Due to Redesign of RW242B	\$ 125,000.00
134	Stage 2B Phase 2 Northbound Transition	\$ 106,387.57
134 – S1	Stage 2B Phase 2 Northbound Transition – Additional Funds	\$ 18,968.36
135	City Work at Baseline Street	\$ 25,000.00
136	Adjustment of Temporary Construction Entrances	\$ 106,000.00
136 – S1	Adjustment of Temporary Construction Entrances – Additional Funds	\$ 77,000.00
136 – S2	Adjustment of Temporary Construction Entrances – Additional Funds	\$ 42,000.00
137	Ramp Metering System Loop Detection Changes	\$ 19,325.87
138	Pillow Wall Removal at Baseline	\$ 18,180.00
139	Drainage Changes as DS #72, Add DS #151 at SR259, Segment 2	\$ 44,353.00
140	Concrete Rubble at RW137 – Settlement of NOPC No. 13	\$ 31,921.00
141	Temporary Bracing for 3 rd Street Over Crossing	\$ 10,000.00
142	Sound Wall No. 126C Barrier Texture	\$ 4,492.00
142 S-1	Add Texture to Concrete Barrier Type 736S at SW126A	\$ 11,823.00
143	Temporary Concrete Barrier at 2 nd Street	\$ 68,000.00
144	Settlement of NOPC No. 16-P30 End Anchors and Transition Slabs	\$ 65,247.50
145	Sound Wall No. 126C Alignment Change	\$ 20,000.00
146	Settlement of NOPC No. 10 – Baseline Street	\$ 137,000.00
147	Removal of Underground Storage Tank at RW109E	\$ 30,000.00
148	Northbound Transition Stage 3B on ‘P’ Line	\$ 89,013.99
148 – S1	Northbound Transition Stage 3B on ‘P’ Line – Adjustment of Compensation	\$ 2,192.49
149	BI #16 Construction Area Signs	\$ (33,120.00)

Attachment: CCO Log (2797 : Construction Contract Change Orders MVSS1606)

Bolded - Construction Change Orders approved since the last reporting to the Metro Valley Study Session
Amounts shown in parentheses represent a credit to the Agency

150	Roadside Signs	\$ 74,290.00
150 – S1	Roadside Signs – Time Deferred	\$ 0.00
151	Temporary Sign Panel Overlay NB BMS 9 th and Baseline	\$ 13,200.00
152	Removal of Asbestos Pipe – Baseline Street to SB215 On-Ramp	\$ 15,000.00
153	Revisions to Bridge Mounted Signs at 9 th and Baseline Street	\$ 228,957.75
154	Revisions to ‘SFR’ and 3 rd Street	\$ 24,330.00
154 – S1	Modify Signalization of ‘SFR’ and 3 rd Street	\$ 5,291.84
155	Replace ‘REACT’ Crash Cushion with Concrete Barrier at ‘5SE’	\$ 172,473.82
156	Install Chain Link Fence on Sound Wall at 9 th Street	\$ 9,250.00
157	16 th Street Bent Cap Reinforcement PT Conflict	\$ 21,066.00
157 – S1	16 th Street Bent Cap Steel, Bents 2, 3, 4 and 5	\$ 30,000.00
158	Drainage Modifications at ‘5SE’ Line	\$ 99,000.00
158 – S1	“5SE” Gore Modification	\$ 20,000.00
158 – S2	“5SE” Gore Modification – Additional Funds	\$ 30,000.00
158 – S3	“5SE” Gore Modification – Time Deferment	\$ 0.00
158 – S4	“5SE” Gore Modification – Additional Funds	\$ 9,629.13
158 – S5	“5SE” Gore Modification – Additional Funds	\$ 4,599.32
159	Modify DS #8(qq) Inlet	\$ 5,461.40
160	Modify Barrier at Retaining Wall 108E	\$ 20,000.00
161	Irrigation Crossover at Northbound Highland Avenue Off-Ramp	\$ 24,000.00
161 – S1	Irrigation Crossover at Northbound Highland Avenue Off-Ramp – Additional Funds	\$ 174.27
162	Eliminate Jacking for 2 nd Street UC and 3 rd Street UC for Stage 3B	\$ (10,000.00)
163	City Water Meter Change and Adjustment of Compensation	\$ (145,985.05)
163 – S1	Cost Adjustment to 40mm Water Meters	\$ 7,890.00
163 – S2	Delete Two Water Meters and BPA	\$ (23,072.29)
164	Modify DS #71(a)	\$ 2,775.15
165	Modify DS #103	\$ 13,203.00
166	Settlement of NOPC NO. 17 – Overhead Power Lines	\$ 63,000.00
167	Settlement of NOPC NO. 21 – Pinning of K-Rails	\$ 30,000.00
168	Inefficiencies Due to OH Power Lines at Southbound Baseline On-Ramp	\$ 10,000.00
169	Delete Bid Item 183 – Clean and Paint Structural Steel	\$ (12,000.00)
170	Export Soil with Rubble to 13 th Street and H Street Site	\$ 45,000.00
170 – S1	Export Soil from Old 13 th Street Ramp Off Site	\$ 60,000.00
170 – S2	Additional Funds	\$ 115,965.86
171	Revise 3 rd Street Abutment 2 Footing	\$ 10,118.00
171 – S1	Revise 3 rd Street Abutment 2 Footing – Time Deferment Closure	\$ 0.00
172	Settlement of NOPC No. 23 – Differing Site Conditions at Redlands Loop	\$ 15,531.00
173	Additional Soffit Lighting at 2 nd Street Bridge	\$ 11,519.59
173 – S1	Additional Soffit Lighting at 2 nd Street Bridge – Time Deferment	\$ 0.00
174	Settlement of NOPC NO. 22 – Temporary Lighting	\$ 20,000.00
175	Hubbard State Right-of-Way Adjustment	\$ 10,008.00
175 – S1	Concrete Barrier Right of ‘P’ Line	\$ 75,000.00
175 – S2	Time Deferment – 3 Days	\$ 0.00
175 – S3	Hubbard State Right-of-Way Adjustment – Time Deferment	\$ 0.00
175 – S4	Concrete Barrier Right of ‘P’ Line – Additional Funds	\$ 2,219.07
176	Delete Type 60G Barrier in Segment 1	\$ (7,000.00)
176 – S1	Delete Type 60G Barrier in Segment 1 – Time Deferment	\$ 0.00
177	Paint Sound Wall Cover Plates After Galvanizing	\$ 2,672.13

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177 – S1	Paint Sound Wall Cover Plates After Galvanizing – Time Deferment	\$ 0.00
178	Railing at ‘P’ Line and ‘R’ Line	\$ 35,660.00
178 – S1	Railing at ‘P’ Line and ‘R’ Line – Additional Funds	\$ 3,483.84
178 – S2	Railing at ‘P’ Line and ‘R’ Line – Time Deferment	\$ 0.00
179	Strengthen Concrete Barrier Rail on ‘3NO’ Line	\$ 18,698.00
179 – S1	Strengthen Concrete Barrier Rail on ‘3NO’ Line – Time Deferment	\$ 0.00
180	Drainage Improvements at 3 rd Street and ‘3SE’ Line	\$ 15,000.00
180 – S1	Drainage Improvements at 3 rd Street and ‘3SE’ Line – Additional Funds	\$ 10,000.00
180 – S2	Drainage Improvements at 3 rd Street and ‘3SE’ Line – Time Deferment	\$ 0.00
181	New Sign Panels on Existing Sign Structures at 5 th Street OC	\$ 15,000.00
181 – S1	New Sign Panels on Existing Sign Structures at 5 th Street OC – Time Deferment	\$ 0.00
182	Additional 60E Median Concrete Barrier	\$ 11,808.00
182 – S1	Additional 60E Median Concrete Barrier – Time Deferment	\$ 0.00
183	Location Change for Sign ‘H’ Segment 1	\$ 0.00
184	Sound Wall 134 Alignment Change	\$ (16,635.60)
185	Settlement of NOPC No. 12 – Track Monitoring at RW137	\$ 91,041.00
186	Payment for Barrier Mounted Signs	\$ 149,903.59
186 – S1	Payment for Barrier Mounted Signs – Time Deferment	\$ 0.00
187	Adjust Overhead Sign ‘Q’ at Baseline	\$ 45,000.00
187 – S1	Adjust Overhead Sign ‘Q’ at Baseline – Time Deferment	\$ 0.00
188	Block Out Around MBGR Posts Per New Standard	\$ 30,000.00
188 – S1	Block Out Around MBGR Posts Per New Standard – Additional Funds	\$ 70,000.00
188 – S2	Block Out Around MBGR Posts Per New Standard – Time Deferment	\$ 0.00
189	SR259 Median Removal and Tie-In	\$ 45,000.00
189 – S1	SR259 Median Removal and Tie-In – Additional Funds	\$ 14,333.28
189 – S2	SR259 Median Removal and Tie-In – Time Deferment	\$ 0.00
189 – S3	SR259 Median Removal and Tie-In – Additional Funds	\$ 10,293.26
190	Decrease Bid Item No. 110 – Grind Existing Concrete Pavement	\$ (78,867.60)
191	Seal Joints in Existing Concrete Pavement	\$ 30,000.00
191 – S1	Seal Joints in Existing Concrete Pavement – Time Deferment	\$ 0.00
192	Additional Drainage Swale Along BNSF Right-of-Way	\$ 113,234.71
192 – S1	Additional Drainage Swale Along BNSF Right-of-Way – Time Deferment	\$ 0.00
193	Payment for Fence, Barrier Surface, Sound Wall Mounted Signs	\$ 34,339.00
193 – S1	Payment for Laminated Box Beam Sign 2-20-5 and 6	\$ 28,489.18
193 – S2	Payment for Laminated Box Beam Sign 2-20-5 and 6 – Time Deferment	\$ 0.00
194	Modifications to Existing Electrical Systems due to Contract Work	PENDING
195	Add Drainage Inlet Type G-2 at Sta. 133+45	\$ 15,000.00
195 – S1	Add Drainage Inlet Type G-2 at Sta. 133+45 – Time Deferment	\$ 0.00
196	Spandrel, Curb and Gutter North Side of 9 th and J Street	\$ 15,000.00
196 – S1	Spandrel, Curb and Gutter North Side of 9 th and J Street – Time Deferment	\$ 0.00
196 – S2	Spandrel, Curb and Gutter North Side of 9 th and J Street – Add Funds	\$ 6,158.27
197	ADA Requirements for Curb Ramps	\$ 30,000.00
197 – S1	ADA Requirements for Curb Ramps – Time Deferment	\$ 0.00
198	Delete Slope Paving at 16 th Street Bridge, Abut 7	\$ (26,152.50)
199	SR259 Cross Sections	\$ 75,000.00
199 – S1	SR259 Cross Sections – Time Deferment, 114 Days	\$ 0.00
199 – S2	Additional Funds	\$ 56,141.50
200	Adjust Bid Item No. 49 – Adjust Water Values to Grade	\$ (3,850.11)

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201	Adjust Final Pay Items Nos. 137 and 216	\$ 20,506.90
202	Adjust Bid Item No. 53 – Remove Concrete Barrie (Type K)	\$ 267.75
202 – S1	Additional Funds	\$ 401.46
203	Adjust Bid Item No. 9 – Temporary Concrete Washout	\$ 12,815.50
204	Adjust Bid Item No. 50 – Adjust Sewer Manhole	\$ 3,205.03
205	Adjust Bid Item No. 246 – Concrete Barrier (Type 60E)	\$ 32,011.20
206	HMA QC/QA Incentive Adjustment	\$ 135,114.79
207	Increase Bid Item No. 8 – Temporary Gravel Bag Berm	\$ 34,065.60
208	Adjust Bid Item No. 46 – Remove Base and Surfacing	\$ (85,031.34)
209	Increase Bid Item No. 2 – Temporary Fence	\$ 8,403.75
210	Increase Bid Item No. 27 – Remove Chain Link Fence	\$ 33,914.64
211	Decrease Bid Item Nos. 28, 191 and 252(F)	\$ (9,097.00)
212	Mulch Remedy	\$ 10,000.00
212 – S1	Mulch Remedy – Time Deferment, 4 Days	\$ 0.00
213	Increase Bid Item No. 254 and 255	\$ 119,505.75
214	Increase Bid Item No. 236; Decrease Bid Item No. 237	\$ 10,400.00
215	Adjust Bid Item No. 99 – Aggregate Base (Approach Slab)	\$ 4,701.38
216	Adjust Bid Item No. 109 – Seal Longitudinal Isolation Joint	\$ (48.91)
217	Adjust Bid Item No. 19 – Type III Barricade	\$ (466.40)
217 – S1	Adjust Bid Item No. 19 – Type III Barricade	\$ 466.40
218	Adjust Bid Item No. 182 – Install Sign (Strap and Saddle Bracket Meth.)	\$ (80,296.64)
219	Adjust Bid Item No. 52 – Remove Concrete (Sidewalk and Cross Gutter)	\$ 19,220.68
220	Adjustment to Increase and Decrease in Bid Items Used on Project	\$ 0.00
223	NOPC No. 19 Settlement	\$ 175,000.00
224	PFE Exceptions Settlement excluding Superior Gunite and Coffman	\$1,920,080.00
CCO TOTAL		\$ 19,395,427.28
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 22,471,980.00

SR-210 Segment 9 & 10 Landscaping EEP – Executed Change Orders		
Number	Description	Amount
1	Irrigation Controller Repair	\$ 616.43
2	Additional Irrigation Controller Repair	\$ 1,019.17
3	Repair Leaking Backflow and Meter	\$ 1,500.00
CCO TOTAL		\$ 3,135.60
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 295,226.10

I-15 Baseline Interchange – Executed Change Orders		
Number	Description	Amount
1	Maintain Traffic	\$ 50,000.00
1 S-1	Provide for Contractors Signature	\$ 0.00
1 S-2	Additional Funds	\$ 75,000.00
2	Partnering	\$ 22,000.00
3	Dispute Review Board	\$ 15,000.00
4	Maintain and Repair Existing/Temporary Electrical	\$ 10,000.00
4 S-1	Provide for Contractors Signature	\$ 0.00
4 S-2	Additional Funds	\$ 25,000.00
6	Repairs to Existing Irrigation System	\$ 26,247.00

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7	Storm Water Pollution Prevention – Cost Sharing	\$ 50,000.00
8	Existing Landscaping & Irrigation Changes	\$ 10,000.00
10	Shotcrete Strength Change	\$ 0.00
11	Concrete Slurry behind Anchor Wall No. 2	\$ 12,000.00
12	Fire Plan	\$ 27,693.00
13	Apprentice Training	\$ 16,800.00
14	Buried Man-made Objects	\$ 15,000.00
14 S-1	Additional Funds	\$ 15,000.00
15	Replace Bid Item 69 with Geocomposite Drain	\$ 0.00
16	Additional K-rail and Crash Cushion Array	\$ 17,970.00
17	Eliminating Removal of Decorative Columns	\$ (4,332.70)
18	RE Office; Additional Furniture & High-speed Internet	\$ 5,000.00
19	Revisions to CMP Schedule for Re-sequencing	\$ 0.00
20	12” Curb at Base Line and Americana	\$ 30,480.00
21	Relocate 12” CVWD Line	\$ 32,200.00
23	Welded Steel Pipe Wall Thickness	\$ 16,808.60
26	Retaining Wall 385R Drainage System	\$ 15,000.00
30	From Liner Spec Revision	\$ 0.00
33	Modify Retaining Wall 385R	\$ 20,000.00
34	Additional Drainage System on Southbound Off Ramp	\$ 22,862.44
35	Relocate Fire Service Assembly	\$ 15,000.00
37	Revise Traffic Handling Plans for Pavement Joint	\$ 24,237.14
38	Temporary Traffic Signal Items for Removal of Traffic Island	\$ 19,407.48
39	Traffic Handling Plan Modifications	\$ (10,241.00)
42	Concrete Paving “Just In Time Training”	\$ 750.00
43	Changes to Traffic Control System and Paving Material	\$ 65,584.00
44	Revisions to Traffic Handling Plans for RW 382L	\$ 5,740.03
CCO TOTAL		\$ 646,205.99
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 2,235,012.00

I-10 Pepper Avenue Bridge Replacement – Executed Change Orders		
Number	Description	Amount
4	Maintain Roadway and Traffic Control	\$ 25,000.00
5	Federal Training Apprentice Program	\$ 8,000.00
8	Establish Dispute Resolution Advisor	\$ 5,000.00
CCO TOTAL		\$ 38,000.00
TOTAL CONTINGENCY AND SUPPLEMENTAL		\$ 952,681.00

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- San Bernardino County Transportation Commission •San Bernardino County Transportation Authority
 - San Bernardino County Congestion Management Agency •Service Authority for Freeway Emergencies
-

Minute Action

AGENDA ITEM: 3

Date: June 9, 2016

Subject:

Election of Committee Chair and Vice Chair

Recommendation:

Conduct elections for members to serve as Chair and Vice Chair of the SANBAG Board of Directors Metro Valley Study Session for terms to end on June 30, 2017.

Background:

Terms for the Chair and Vice Chair of each of the SANBAG policy committees and Metro Valley Study Session expire on June 30, 2016. Election of Chair and Vice Chair for each of the policy committees and Metro Valley Study Session is scheduled to immediately follow the annual election of SANBAG Officers, which occurred at the June Board of Directors meeting.

This item provides for an election to be conducted, which will identify the Chair and Vice Chair of the Study Session to serve until June 30, 2017. A complete listing of SANBAG policy committees, memberships, and chairs is attached to this item for reference.

Financial Impact:

Staff support for this activity is consistent with the adopted budget. There is no additional financial impact on the adopted SANBAG Fiscal Year 2016/2017 budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee.

Responsible Staff:

Garry Cohoe, Director of Project Delivery

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Entity: COG, CTA, CTC

SANBAG Policy Committee Membership

COMMITTEE	PURPOSE	MEMBERSHIP	TERMS
<p>General Policy Committee Membership consists of the following: SANBAG President, Vice President, and Immediate Past President 4 East Valley (3 City, 1 County) 4 West Valley (3 City, 1 County) 4 Mt/Desert (3 City, 1 County) City members shall be SANBAG Board Members elected by caucus of city SANBAG Board Members within the subarea. All Policy Committee and Board Study Session Chairs are included in this policy committee. All City members serving as Board officers, Committee chairs, or Board Study Session Chair, are counted toward their subareas City membership. Supervisors collectively select their representatives. The SANBAG Vice President shall serve as Chair of the General Policy Committee.</p>	<p>Makes recommendations to Board of Directors and: (1) Provides general policy oversight which spans the multiple program responsibilities of the organization and maintains the comprehensive organization integrity; (2) Provides policy direction with respect to administrative issues, policies, budget, finance, audit, and personnel issues for the organization; (3) Serves as policy review committee for any program area that lacks active policy committee oversight. Committee has authority to approve contracts in excess of \$25,000 with notification to the Board of Directors. (Brown Act)</p>	<p>Robert Lovingood, Supervisor, Vice President (Chair) Ryan McEachron, Victorville, President (Vice Chair) L. Dennis Michael, Rancho Cucamonga, Past President</p> <p><u>West Valley</u> L. Dennis Michael, Rancho Cucamonga Alan Wapner, Ontario (Chair – MVSS) Dennis Yates, Chino Janice Rutherford, Supervisor</p> <p><u>East Valley</u> James Ramos, Supervisor (Chair – CRTC) Larry McCallon, Highland Rhodes “Dusty” Rigsby, Loma Linda Dick Riddell, Yucaipa</p> <p><u>Mountain/Desert</u> Robert Lovingood, Supervisor, Vice President (Chair – MDC) Ryan McEachron, Victorville, President Joel Klink, Twentynine Palms Bill Jahn, Big Bear Lake</p>	<p>6/30/2016 6/30/2016 6/30/2016</p>
<p>Transit Committee Membership consists of 11 SANBAG Board Members: 9 Valley-members, two being Southern California Regional Rail Authority (SCRRA) primary (*) and two being SCRRA alternate (**) members. 2 Mountain/Desert Board Members who serve on the Board of a Mountain/Desert transit agency. SCRRA members and alternates serve concurrent with their term on the SCRRA Board of Directors as appointed by the SANBAG Board. Other members are appointed by the SANBAG President for 2-year terms.</p>	<p>Provides policy guidance and recommendations to the SANBAG Board of Directors and Southern California Regional Rail Authority (SCRRA) delegates with respect to commuter rail and transit service. * SCRRA Primary Member ** SCRRA Alternate Member (Brown Act)</p>	<p>James Ramos, Supervisor** (Chair) Bill Jahn, Big Bear Lake (Vice Chair) Paul Eaton, Montclair* Jon Harrison, Redlands Robert Lovingood, Supervisor Larry McCallon, Highland* L. Dennis Michael, Rancho Cucamonga Ray Musser, Upland Dick Riddell, Yucaipa Deborah Robertson, Rialto Alan Wapner, Ontario**</p>	<p>Indeterminate (6/30/2016 Indeterminate (6/30/2016 Indeterminate 12/31/2016 12/31/2017 Indeterminate 12/31/2017 12/31/2017 12/31/2016 12/31/2016 12/31/2016 Indeterminate</p>

SANBAG Policy Committee Membership

COMMITTEE	PURPOSE	MEMBERSHIP	TERMS
<p>Mountain/Desert Committee Membership consists of 12 SANBAG Board Members from each Mountain/Desert jurisdiction and County Supervisors representing the First, Second, and Third Districts.</p>	<p>Provides ongoing policy level oversight related to the full array of SANBAG responsibilities as they pertain specifically to the Mountain/Desert subregion. The Committee also meets as the Mountain/Desert Measure I Committee as it carries out responsibilities for Measure I Mountain/Desert Expenditure Plan. (Brown Act)</p>	<p>Robert Lovingood, Supervisor (Chair) Bill Jahn, Big Bear Lake (Vice Chair) Curt Emick, Apple Valley George Huntington, Yucca Valley Rich Kerr, Adelanto Joel Klink, Twentynine Palms Ryan McEachron, Victorville Julie McIntyre, Barstow Edward Paget, Needles James Ramos, Supervisor Janice Rutherford, Supervisor Eric Schmidt, Hesperia</p>	<p>Indeterminate (6/30/2016) Indeterminate (6/30/2016) Indeterminate Indeterminate Indeterminate Indeterminate Indeterminate Indeterminate Indeterminate Indeterminate Indeterminate</p>

Policy Committee Meeting Times

General Policy Committee	Second Wednesday, 9:00 a.m., SANBAG Office
Transit Committee	Second Thursday, 9:00 a.m., SANBAG Office
Mountain/Desert Committee	Third Friday, 9:30 a.m., Apple Valley

NOTE: Policy Committee meetings will not be held in July of each year (effective 9/5/12).

Board of Directors Study Sessions for Metro Valley Issues

STUDY SESSION	PURPOSE	MEMBERSHIP	TERMS
<p>Board of Directors Study Sessions for Metro Valley Issues Refer to SANBAG Policy 10007.</p>	<p>To review, discuss, and make recommendations for actions to be taken at regular meetings of the Board on issues relating to Measure I Projects in the Valley. (Brown Act)</p>	<p>Board of Directors Alan Wapner, Ontario (Chair) Janice Rutherford, Supervisor (Vice Chair)</p>	<p>6/30/2016 6/30/2016</p>

Meeting Time: Second Thursday, 9:30 a.m., SANBAG Office

I-10 and I-15 Corridor Joint Sub-Committee

Joint Sub-Committee	PURPOSE	MEMBERSHIP
<p>I-10 and I-15 Corridor Joint Sub-Committee In January 2015, the Board approved the change status of Express Lanes Ad Hoc Committee to the creation of the I-10 and I-15 Corridor Joint Sub-Committee of the Board of Directors Metro Valley Study Session and the Mountain/Desert Policy Committee (I-10 and I-15 Joint Sub-Committee). Members of the committee will be members of the SANBAG Board of Directors and will be appointed by the SANBAG Board President. The President will appoint the Chair and Vice-Chair of the Sub-Committee. The Sub-Committee will include a minimum of nine and a maximum of fourteen SANBAG Board members. Membership will be composed of a minimum of three representatives from the East Valley; and a minimum of two representatives from the Victor Valley. The Sub-Committee will meet as necessary immediately following the Metro Valley Study Session.</p>	<p>The purpose is to consider and make recommendations to the Board of Directors on the development of express lanes in San Bernardino County, in particular on the I-10 and I-15 Corridors. (Brown Act)</p>	<p>Alan Wapner, Ontario – Chair Ryan McEachron, Victorville – Vice Chair Josie Gonzales, Supervisor Robert Lovingood, Supervisor Larry McCallon, Highland L. Dennis Michael, Rancho Cucamonga Frank Navarro, Colton Dusty Rigsby, Loma Linda Deborah Robertson, Rialto Janice Rutherford, Supervisor Michael Tahan, Fontana</p>

Attachment: SANBAG Policy Committee Membership (2798 : Election of Committee Chair and Vice Chair

Public and Specialized Transportation Advisory and Coordinating Council (PASTACC)

COMMITTEE	PURPOSE	MEMBERSHIP	TERMS
<p>Public and Specialized Transportation Advisory and Coordinating Council (PASTACC)</p> <p>Membership consists of 13 members appointed by the SANBAG Executive Director.</p> <p>6 representing Public Transit Providers</p> <p>1 representing County Dept. of Public Works</p> <p>1 representing the Consolidated Transportation Services Agency</p> <p>5 representing Social Service Providers</p>	<p>Subject to the Transportation Development Act (TDA) Section 99238 – establishes PASTACC’s statutory responsibilities;</p> <p>(1) Review and make recommendations on annual Unmet Transit Needs hearing findings</p> <p>(2) Score and make recommendations for Federal Transit Administration Section 5310 Capital Grant Program applications</p> <p>(3) Assist SANBAG in developing public outreach approach on updating the Coordinated Public Transit/Human Services Transportation Plan</p> <p>(4) Review call for projects for Federal Transit Administration Section 5316, and 5317 grant applications</p> <p>(5) Monitor and make recommendations on Federal regulatory processes as they relate to transit and specialized transit</p> <p>(6) Monitor and disseminate information in reference to State level law and recommendations as they relate to transit and specialized transit</p> <p>(7) Receive annual reports on funded specialized programs funded through FTA Section 5316, 5317 and Measure I</p> <p>(8) Identify regional or county level areas of unmet needs</p> <p>(9) Address special grant or funding opportunities</p> <p>(10) Address any special issues of PASTACC voting and non-voting members</p> <p>(Brown Act)</p>	<p>Standing Membership –</p> <p>Barstow Area Transit, Manager *</p> <p>Morongo Basin Transit Authority, Manager *</p> <p>Mountain Area Regional Transit Authority, Manager *</p> <p>Needles Area Transit, Manager *</p> <p>Omnitrans, Manager *</p> <p>Victor Valley Transit Authority, Manager *</p> <p>County of San Bernardino Dept. of Public Work, Manager *</p> <p>Valley Transportation Services (VTS), Manager *</p> <p>At Large Membership –</p> <p>San Bernardino Dept. of Aging and Adult Services, Director *</p> <p>Inland Regional Center, Director *</p> <p>Inland Empire United Way 2-1-1, Director *</p> <p>Victor Valley Community Service Counsel, Director *</p> <p>Community Senior Services, Director *</p>	<p>On-going</p> <p>On-going</p> <p>On-going</p> <p>On-going</p> <p>On-going</p> <p>On-going</p> <p>On-going</p> <p>On-going</p> <p>1/31/2017</p> <p>9/30/2017</p> <p>9/30/2017</p> <p>1/31/2017</p> <p>2/28/2018</p>

Meeting Dates and Time: Bi monthly, beginning in February, 2nd Tuesday of the month, 10:00 a.m., SANBAG Office

* Manager or Director may designate alternate/s

Independent Taxpayer Oversight Committee (ITOC) Review of Measure I Expenditure Plan

COMMITTEE	PURPOSE	MEMBERSHIP	TERMS
<p>Independent Taxpayer Oversight Committee (ITOC) Review of Measure I Expenditure Plan</p> <p>The ITOC shall provide citizen review to ensure that all Measure I funds are spent by the San Bernardino County Transportation Authority (hereby referred to as the Authority) in accordance with provision of the Expenditure Plan and Ordinance No. 04-01.</p>	<p>The ITOC shall review the annual audits of the Authority; report findings based on the audits to the Authority; and recommend any additional audits for consideration which the ITOC believes may improve the financial operation and integrity of program implementation.</p> <p>The Authority shall hold a publicly noticed meeting, which may or may not be included on the agenda of a regularly scheduled Board meeting, with the participation of the ITOC to consider the findings and recommendations of the audits.</p> <p>(Brown Act)</p>	<p>Richard Haller</p> <p>Rod Johnson</p> <p>Mike Layne</p> <p>Norman Orfall</p> <p>Craig Scott</p> <p>Ray Wolfe, Ex-Officio</p> <p>In addition to the appointed members, the SANBAG Executive Director will serve as an ex officio member.</p>	<p>12/31/16</p> <p>12/31/16</p> <p>12/31/18</p> <p>12/31/18</p> <p>12/31/18</p>

SANBAG Ad Hoc Committees

COMMITTEE	PURPOSE	MEMBERSHIP
<p>Budget Process In July 2012, the SANBAG Board President appointed this ad hoc committee to review SANBAG’s budget preparation process and final budget document and make recommendations to help improve communication and transparency of SANBAG’s budget to elected officials and the general public.</p>	<p>Review SANBAG’s budget adoption process and final budget document and make recommendations on changes to improve the process and the final budget document to make them more useful and informative to Board Members and the public.</p>	<p>Ray Musser, Upland – Chair Mike Podegracz, P.E. – City Manager, City of Hesperia Sam Racadio – Council Member, City of Highland Kevin Ryan - Principal Transportation Planner, City of Fontana</p>
<p>Legislative In March 2013, the SANBAG Board President appointed this ad hoc committee. This committee will consist of the SANBAG Board Officers.</p>	<p>Review proposed legislation at the state and federal level. Provide direction to staff on positions consistent with the Board-adopted legislative platform.</p>	<p>President – Ryan McEachron, Victorville Vice President – Robert Lovingood, Supervisor Immediate Past President – Dennis Michael, Rancho Cucamonga</p>
<p>Transit Review Ad Hoc Committee In July 2013, the SANBAG Board President appointed this ad hoc committee.</p>	<p>Review transit agency efficiencies and maximize transit funding.</p>	<p>Janice Rutherford, Supervisor – Chair Jim Harris, Twentynine Palms Robert Lovingood, Supervisor Ryan McEachron, Victorville L. Dennis Michael, Rancho Cucamonga Dusty Rigsby, Loma Linda Alan Wapner, Ontario</p>
<p>Statutory Entity Ad Hoc Committee In June 2015, the SANBAG Board President appointed this ad hoc committee.</p>	<p>Study and make recommendations to full Board regarding sponsoring legislation to consolidate certain SANBAG entities and functions into a new statutory entity.</p>	<p>Bill Jahn, Big Bear Lake - Chair Jon Harrison, Redlands George Huntington, Yucca Valley Robert Lovingood, Supervisor Ryan McEachron, Victorville Janice Rutherford, Supervisor Alan Wapner, Ontario</p>

SANBAG Technical Advisory Committees

COMMITTEE	PURPOSE	MEETING SCHEDULE
<p>Transportation Technical Advisory Committee (TTAC) Committee membership consists of a primary staff representative of each SANBAG member agency designated by the City Manager or County Administrative Officer.</p>	<p>SANBAG’s Transportation Technical Advisory Committee was formed by SANBAG management to provide input to SANBAG staff on technical transportation-related matters and formulation of transportation-related policy recommendations to the SANBAG Board of Directors. The TTAC is not a Brown Act committee.</p>	<p>Generally meets on the first Monday of each month at 1:30 PM, at SANBAG.</p>

Attachment: SANBAG Policy Committee Membership (2798 : Election of Committee Chair and Vice Chair

<p>City/County Manager’s Technical Advisory Committee (CCM TAC) The committee is made up of up to two representatives of the County Administrator’s Office and the city manager or administrator from each city and town in the County.</p>	<p>SANBAG’s City/County Manager’s Technical Advisory Committee was established in the Joint Powers Authority that established SANBAG. The primary role of the committee is to provide a forum for the chief executives of SANBAG’s member agencies to become informed about and discuss issues facing SANBAG. It also provides a forum for the discussion of items of mutual concern and a way to cooperate regionally in addressing those concerns. The CCM TAC is a Brown Act Committee.</p>	<p>Meets on the first Thursday of each month at 10:00 AM, at SANBAG.</p>
<p>Planning and Development Technical Forum (PDTF) Committee membership consists of a primary staff representative of each SANBAG member agency designated by the City Manager or County Chief Executive Officer.</p>	<p>The SANBAG Planning and Development Technical Forum was formed by SANBAG management to provide an opportunity for interaction among planning and development representatives of member agencies on planning issues of multijurisdictional importance. The PDTF is not a Brown Act Committee.</p>	<p>Meets the 4th Wednesday of each month at 2:00 p.m. at the Depot (in the SCAG Office).</p>
<p>Project Development Teams</p>	<p>Project Development Teams (PDTs) are assembled for all major project development activities by SANBAG staff. Teams are generally composed of technical representatives from SANBAG, member jurisdictions appropriate to the project, Caltrans, and other major stakeholder entities that have significant involvement in the project. PDTs make recommendations related to approaches to project development, evaluation of alternatives, and technical solutions. PDTs meet on a regular basis throughout the project phase to review progress and to provide technical input required for project development. The PDTs are not Brown Act Committees.</p>	<p>Varies with the PDT, at SANBAG.</p>

Minute Action

AGENDA ITEM: 4

Date: June 9, 2016

Subject:

Interstate 10 Mount Vernon Avenue Interchange - Award Conceptual Design Contract

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Approve award of Contract No. 16-1001420 with Rajappan & Meyer Consulting Engineers, Inc. for the development of a Project Study Report/ Project Development Support document for the Interstate 10 (I-10) Mount Vernon Avenue Interchange Project in an amount not-to-exceed \$399,806.67, after receipt of Pre-Award Audit and correction of any deficiencies noted therein, as required by the Caltrans Local Assistance Procedures Manual.

B. Approve a contingency amount for Contract No. 16-1001420 of \$39,980.67, and authorize the Executive Director or designee to release contingency as necessary for the project.

Background:

The I-10 Mount Vernon Avenue Interchange Project holds position Number 8 on the interchange priority list. At its February 3, 2016 meeting, the Board of Directors approved separate Cooperative Agreements with the City of Colton and Caltrans to define roles, responsibilities, and funding for the Project Study Report/Project Development Support (PSR/PDS) phase with SANBAG as lead agency for this phase. At the same meeting, the Board of Directors also approved the release of a Request for Proposals (RFP) to procure a professional services contract to prepare the PSR/PDS document. The PSR/PDS document will study two build alternatives that will focus on improving traffic operations and local circulation at the I-10/Mount Vernon Avenue intersection with Valley Boulevard and the westbound I-10 entrance ramp.

The RFP 16-1001420 was released on February 9, 2016, and posted on SANBAG's website. The selected firm will provide a PSR/PDS for the I-10 Mount Vernon Interchange Project. The RFP was downloaded by approximately seventy-three (73) consultants registered on Planet Bids. The solicitation was issued in accordance with current SANBAG policies and procedures for procurement of professional services. Addendum No. 1 was issued on March 3, 2016, which posted the questions received prior to the questions submittal deadline, along with their respective answers.

Four (4) proposals were received by the date and time specified in the RFP. A responsiveness review was conducted by the Procurement Analyst and found the four (4) proposals to be responsive.

The proposals were disseminated to all evaluation committee members on March 16, 2016. A copy of the Score Sheets and the Declaration of Impartiality and Confidentiality form were

Entity: CTA

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June 9, 2016

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also distributed to the committee members. The evaluation committee was comprised of: two (2) SANBAG staff members, one (1) member from the City of Colton, and one (1) member from Caltrans District 8.

The evaluation committee members met on March 30, 2016, and discussed each proposal according to the evaluation criteria, including the proposals' strengths and weaknesses. At the completion of their discussion, the committee members individually scored the proposals based on evaluation set criteria.

Because of the scoring, the firms were ranked in order of technical merit, and a short-list was developed. Three (3) firms were short-listed and invited to interview.

Interviews were conducted with the three (3) firms on April 12, 2016. At the completion of the interviews, the evaluation committee separately scored the interviews.

The highest ranked firm, Rajappan & Meyer Consulting Engineers, Inc., is being selected due to their:

- Experience with preparing PSR/PDS project initiation documents throughout California;
- Experience with traffic issues in similar projects;
- Experience with Caltrans procedures;
- Overall availability to this project and ability to streamline the project's process.

As a result of the scoring, the evaluation committee recommends that the contract to perform the scope of work as outlined in the RFP 16-1001420, be awarded to Rajappan & Meyer Consulting Engineers, Inc. The firm ranked first in overall score. The firm clearly demonstrated a thorough understanding of the scope of work and proposed an overall solid team. Evaluation forms are located in the Contract Audit File.

The scope of work and fee of \$399,806.67 for this contract is consistent with services and funding identified in Cooperative Agreement No. 15-1001228 with the City of Colton and the independent cost estimate. This work is anticipated to take about twelve months to complete. In addition, staff is requesting approval a contingency in the amount of \$39,980.67, and authorize the Executive Director or designee to release contingency as necessary for the project.

Financial Impact:

This item is consistent with the approved SANBAG Fiscal Year 2016/2017 budget under Task No. 830, subtask 0898. The funding sources include Measure I Valley Freeway Interchange Fund and Local Funds.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft contract.

Responsible Staff:

Dennis Saylor, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Contract Summary Sheet

General Contract Information

Contract No: 16-1001420 Amendment No.: _____ Vendor No.: 03220
 Vendor/Customer Name: Rajappan & Meyer Consulting Engineers Sole Source? Yes No
 Description: I-10 Mt Vernon - PID Design Contract
 Start Date: 07/06/2016 Expiration Date: 12/31/2017 Revised Expiration Date: _____
 Has Contract Term Been Amended? No Yes - Please Explain _____
 List Any Related Contracts Nos.: _____

Dollar Amount			
Original Contract	\$ 399,806.67	Original Contingency	\$ 39,980.67
Revised Contract (Inclusive of Prior Amendments)	\$ -	Revised Contingency (Inclusive of Prior Amendments)	\$ -
Current Amendment	\$ -	Contingency Amendment	\$ -
TOTAL CONTRACT VALUE	\$ 399,806.67	TOTAL CONTINGENCY VALUE	\$ 39,980.67
		TOTAL DOLLAR AUTHORITY (Contract Value and Contingency)	\$ 439,787.34

Contract Authorization

Executive Director Date: _____
 Executive Director Action: _____
 Board of Directors Date: 07/06/2016
 Board of Directors Action: Approve Contract 16-1001420

Contract Management: Payable/Miscellaneous

Invoice Warning: 20% Renewals: _____ Type: Capital PAA Other
 Retention: _____ % Maximum Retention: \$ _____
 Services: Construction Intrgrnt/MOU/COOP A & E Services Other Professional Services
 Disadvantaged Business Enterprise (DBE) Goal _____ %

Contract Management: Receivable

E-76 and/or CTC Date _____ (Attach Copy) Program Supplement No.: _____
 Finance Letter Reversion Date: _____ EA No.: _____

All of the above MUST be submitted to FINANCE including originals, amendments and miscellaneous transaction changes

Additional Information

Project Manager: Brian Smith

Attachment: 16-1001420 CSS (2510 : 10 Mount Vernon - Award PID Design Contract)

EXHIBIT A – SCOPE OF WORK

SCOPE OF WORK

OVERVIEW

San Bernardino Associated Governments, acting as San Bernardino County Transportation Authority (“SANBAG”) is seeking professional services for the development of a Project Study Report/Project Development Support (PSR/PDS) Project Initiation Documents (PID) for the Interstate 10 (I-10) Mount Vernon Avenue Interchange Project (“Project”) in the City of Colton. SANBAG Sales Tax Measure I Funds and City Funds will be used to cover the cost of the preparation of the PSR/PDS.

The Mount Vernon Avenue Interchange is located in the City of Colton on I-10 at Post Mile 23.25, approximately 0.54 miles east of the 9th Street Interchange and about 1.0 miles west of the Interstate 215 Interchange.

The PID will utilize existing available information to identify support costs for the work and studies needed to complete the Project Approval and Environmental Document (PA&ED) phase and to gain Caltrans approval to advance the project.

The PID may lead to the determination that there is only one viable build alternative.

For purposes of the RFP, assume the following delivery schedule:

PSR-PDS	May 2016 – September 2017
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APPLICABLE STANDARDS

All documents shall be prepared in accordance with current SANBAG, Caltrans, San Bernardino County (County) and City of Colton (City) regulations, policies, procedures, manuals, and standards where applicable. Consultant shall obtain, at its expense, all applicable Manuals and Standard Plans in order to complete the project work.

I. GENERAL DESCRIPTION OF REQUIRED SERVICES

- A. Required services listed below do not supersede the requirements established in the Contract.
- B. Consultant Services include the studies, reports and drawings necessary to complete the PID phase and obtain Caltrans approval.
- C. SANBAG may include optional consultant services that include the studies, reports and drawings necessary to complete the PA&ED phase and obtain Caltrans approval.
- D. The deliverables list for the PID will be refined during the planning and scoping PDT meetings. Not all deliverables may be required.
- E. Develop and maintain a Project schedule utilizing the Primavera P6 Project Management, Release 7.0 software. The Project schedule will be presented monthly to the Project Development Team (PDT) meeting and electronic files to be provided

as requested to SANBAG. A deliverables matrix will accompany the schedule. The deliverables matrix will highlight the status of the documents in the review process.

- F. Identify the anticipated Caltrans Fact Sheets for Design Exceptions needed to document non-standard features necessary to advance the project into the next phase of development. Fact Sheets will be developed for Caltrans approval in the future follow-on PA/ED phase.
- G. Employ quality control procedures that identify potential risks and uncertainties related to development and construction of the Project. Risks that may be encountered include, but are not limited to, soil conditions, constructability, factors of safety, impacts to adjacent properties, public safety, and environmental considerations. If at any time during the performance of this Scope of Services, Consultant observes, encounters, or identifies any circumstance that could pose potential risk, Consultant shall notify SANBAG immediately.
- H. The Task and WBS Structure used for pricing, cost reporting and schedule preparation is the Caltrans Workplan Standards Guide for Delivery of Capital Projects will be used. Project Management will be performed in accordance to the Caltrans' Workplan Standards Guide for Delivery of Capital Projects.
- I. The PID phase will include project cost estimates of sufficient detail necessary for project fund programming purposes.
- J. It is SANBAG's practice to involve the community in the projects. Assume that preparation and materials may be needed to communicate to the public, city staff and stakeholders as part of the PID phase.

II. ASSUMPTIONS

- A. The Consultant will develop and evaluate up to two build and one no-build alternatives to address the operational deficiencies of the Project study area, including the benefits and impacts of the proposed improvements for each alternative. Alternatives will consider improvements ranging from on- and off-ramp widening to interchange reconfiguration/reconstruction. At the conclusion of this evaluation, one alternative will be carried forward for further development and analysis.
- B. Assume there will be three meetings per month during the duration of this contract, including one mandatory monthly PDT meeting.
- C. Assume 20 hard copies and 3 CDs of all major deliverables. Consultant will coordinate with SANBAG and Caltrans prior to distribution of all deliverables to determine the points of contact and confirm the number of hard copies and format of soft copies.
- D. Assume one SANBAG peer review and revisions prior to each major deliverable. Assume one local agency review and two Caltrans reviews for each major deliverable and a workshop for comment resolution, if required.

III. SUMMARY OF TASKS REQUIRED PER CALTRANS WORK BREAKDOWN STRUCTURE FOR THE PSR-PDS

The following is a summary of anticipated tasks outlined in the Caltrans Work Breakdown

Structure (WBS) necessary to complete the PID phase and obtain Caltrans approval. Consultant shall refer to the Caltrans Project Development Procedures Manual (PDPM), including Appendix S, for the specific guidelines of completing the PSR-PDS documentation. This summary is not intended to be all inclusive and work may include tasks listed in the WBS that are not identified in this summary.

Task 100 Project Management

The services provided include the initiation and planning, execution, control and close out of the project. Tasks include:

- Initiation and planning of the project.
- Overall project management and supervision of project staff to facilitate the performance of the work.
- Coordination with stakeholders, including city, county, state, and federal regulatory agencies.
- Coordinate with members of the Project Development Team (PDT).
- Tracking progress of the work.
- Administering subcontracts and directing their work.
- Planning and leading public workshops (as appropriate)
- Preparing progress reports using the WBS described in the Caltrans Workplan Standards Guide for the Delivery of Capital Projects.
- Conducting meetings over the Project Period of Performance.
- Preparation and distribution of agendas prior to the meetings, preparation of meeting minutes and distribution of minutes within five working days after the meetings.
- Organizing the Kick-off Pre-PID Meeting with Caltrans, SANBAG, and Project stakeholders to define the project and project limits, review roles and responsibilities, and determine which deliverables are necessary to meet the Project approval requirements.
- Development and maintenance of the Work Plan and Project Schedules throughout the Project. The Project Schedule will be maintained in a standard format with Work Breakdown Structure (WBS) Elements. The schedule will be prepared using the Critical Path Method. Corrective or remedial actions to recover schedule loss will be included.
- Develop and use a Project Specific Quality Assurance and Quality Control Plan in conformance with Section V.
- Development and use a Project Management Plan.
- Development and use a Risk Management Plan.
- Development and use a Document Control Plan.

Deliverables:

- Pre-PID meeting, PDT meeting notices, agendas, handouts, and minutes
- Public meeting notices, presentation materials, handouts and documentation of comments received.
- Presentation materials consisting of agendas, previous meeting minutes, current schedule and deliverables matrix, current plans and action item log.
- Monthly Project Master Schedule delivered one week prior to the PDT meeting.
- Project Master Schedule in electronic format delivered as requested.

- Project specific Project Specific Quality Assurance and Quality Control Plan
- Project Management Plan
- Project specific Risk Management Plan
- Document Control Plan
- Final copy of all major deliverables during close-out

Task 150 Project Initiation Documents

Overview of PSR-PDS

Work involves the preparation, review, and approval of a Project Initiation Document. Prior to starting these activities, the Consultant will host a scope definition meeting to determine which PID (PSR/PDS) documents are required. Consultant will obtain and reviewing all relevant reports, studies, mapping or other information available in relation to the project. A Pre-PID meeting should be held to discuss the purpose and need, identify deficiencies and complete the Design Scoping Index and include with the meeting minutes for the PDT.

Problem Definition: Analyze available information to resolve and determine the project's need and purpose. Determine the existing and future Level of Service (LOS) in the no-build scenario and analyze all available traffic information and volumes. Develop consensus on the Purpose and Need Statement and provide appropriate documentation for the PDT.

Alternatives Development: This activity includes development of potential alternatives and reaching consensus with internal/external stakeholders that will be addressed in the PID. This activity is anticipated to consider up to two build alternatives and one no build alternative.

Project Initiation Documents: The PSR-PDS document is used to gain approval for the project studies to move into the follow-on Project Approval and Environmental Document (PA&ED) phase. The PSR-PDS is used to estimate and program the capital outlay support cost necessary to complete the studies and work needed during PA&ED. The required information is reduced with much of the detail being completed during PA&ED. The document requirements are defined in Appendix S of the Caltrans Project Development Manual. Specific requirements will be defined in the PDT planning session.

PSR-PDS Activities

As outlined within the PDPM Appendix S, the anticipated activities for the PSR-PDS including the following work items listed below. Consultant is to meet with the Project Manager to obtain concurrence on the specific tasks required and perform a schedule review prior to initiating the work. This summary is not intended to be all inclusive and work may include tasks listed in the WBS that are not identified in this summary.

- A. Surveys and Maps:** Efforts include the compilation and delivery of existing survey and boundary information to complete the PSR-PDS including:
- Topography and/or Aerial Photography Mapping
 - Horizontal and Vertical Control
 - Aerial Photogrammetric Mapping
 - Supplemental Topographic Surveys

- Utility Research and Mapping
- Right of Way Base Map

B. Engineering Studies (as appropriate):

- **Preliminary Geometric Plans, Horizontal and Vertical Alignments**
- **Design Exceptions Checklist**
- **Drainage and Best Management Practices (BMP)**
- **Preliminary Structures Improvement Plan:** This task includes all efforts required to develop, review, approve and distribute a preliminary structure plans to identify the structural scope of work and preliminary cost. Two alternatives will be investigated:
 - **Bridge Widening:** The existing bridge will be widened on either side of the bridge depending on roadway geometry and vertical highway clearance. The widening construction type will match the existing bridge steel framing on concrete bents and columns.
 - **Bridge Replacement:** The existing bridge will be demolished and a new bridge will be constructed with cast in place pre-stress concrete girders and concrete bents and columns.
- **Conceptual Cost Estimate (CCE) – Right-of-Way Component:** Estimate the cost of acquisition as a range of values based on the scope of the right of way for all parcels for two alternatives including real estate acquisition costs, relocation assistance costs (where applicable), appraisal fees, condemnation costs, title and escrow fees, environmental fees, eminent domain support fees and right of way consultant fees. **Utility Locations & Map:** Review the existing plans, as-builts and perform field investigation and a field review of the area. Identify utility needs, inspect facilities and prepare a utility estimate for inclusion in the ROW Data Sheets.
- **Structure Preliminary Geotechnical Report:** The task includes efforts required to prepare a Structure Preliminary Geotechnical Report which typically consists of field reviews, researching existing files, literature reviews and information gathering, such as proposed plans/alternatives and location history, and making recommendations for planned foundation types.
- **Storm Water Data Report:** In general, a Storm Water Data Report (SWDR) is required for every project. Depending upon the extent of soil disturbance and degree of storm water impacts a short form may be used. Caltrans concurrence is required.
- **Value Analysis:** The project has limited scope and options. A VA may not be required.
- **Hydraulic/Hydrology Studies:** The task includes review and inspection of existing facilities to determine the need to upgrade or replace the existing drainage system and culvert inspection study
- **ADA Compliance site review**
- **Risk Register**
- **FHWA Coordination**
- **Corridor & System Coordination**

C. Transportation Problem Definition and Site Assessment:

- Compile and review existing background information that may impact the alternatives under consideration.

- Review existing reports studies and mapping including planning documents, field reviews, as-builts, base mapping, existing surveys and ROW maps, Caltrans traffic data (PEMS), TASAS and Pavement Management System (PMS) adjacent projects under development as appropriate.
- Develop project constraints and information required to determine the extent of the existing problem and future needs including discussions with internal and external stakeholders.
- Analyze the existing problem and future requirements to determine the project's need and purpose.

D. Traffic Studies

- Preliminary Traffic Methodology Memo
- Transportation Planning Scoping Information Sheet (TPSIS)
- Transportation planning provides the framework for selecting, scoping and constructing projects on State Highway System. Consultant will collect information and complete transportation planning scoping information sheet.
 - Traffic Engineering Performance Assessment (TEPA) Coordination and Scope Refinement
 - Data Collection
 - Traffic Forecasts/Volume Development
 - Traffic Operations Analysis
 - Documentation and Response to Comments
- Conceptual Staging Plan and Transportation Management Plan
The TMP datasheet will be developed identifying the proposed TMP strategies.
- Multimodal Review: This review addresses temporary construction and permanent impacts as well as possible improvements to:
 - Pedestrian facilities
 - Bicycle facilities

Transit facilities

Intersection Control Evaluation: This section would conduct Intersection Control Evaluation of the use of alternative intersection control designs, specifically, roundabouts, single point interchanges, and diverging diamonds. It is assumed that up to two (2) alternative intersection control designs will be analyzed during horizon year build conditions.

E. Preliminary Environmental Analysis Report (PEAR)

It is anticipated that the Contractor will be required prepare a Draft and Final PEAR for support of the PSR/PDS. The PEAR will use existing, available information and will not include the development of any detailed analyses or technical studies. A general field visit/windshield survey will be conducted but no focused surveys are included. The PEAR includes:

- Discussion of potential impacts related to alternatives capable of functioning adequately meeting Caltrans policies. It is assumed that up to two build alternatives will be evaluated
- A discussion of environmental resources and a description of the potential project issues or impacts, which could delay the project or affect any project alternative.
- Description of studies that are needed to complete an environmental evaluation.

- A recommended environmental determination/documentation and a tentative schedule for its completion. If an environmental document is required, specify the lead agency for its preparation.
- A corridor initial site assessment (ISA) for potential hazardous waste that may be encountered during the construction phase (excavation and/or structure demolition) of the project. If the project includes the purchase of new right-of-way, based on the based on numbers of parcels and ownership separate ISA study will be conducted. Identification of required or anticipated permits or approvals.

Deliverables:

- Draft PSR/PDS
- Capital Outlay Project Estimate
- Final PSR/PDS

IV. PROJECT SPECIFIC QUALITY ASSURANCE AND QUALITY CONTROL PLAN REQUIREMENTS

Quality Assurance (QA) encompasses all of the planned and systematic activities implemented within the quality system that can be demonstrated to provide confidence that a product or service will fulfill requirements for quality. Quality Control (QC) consists of operational techniques and activities used to fulfill requirements for quality. For environmental review process, preliminary engineering and final design, QC includes technical checking, review and design verification activities, while the QA activities includes the monitoring, surveillances, auditing and other means of oversight of the QC activities and documentation, to ensure completeness and adherence to the QC procedures.

A project specific quality management plan (herein referred to as a Project QA/QC Plan) shall be developed by the Consultant and submitted to SANBAG for review and approval. The Project QA/QC Plan shall describe how QA and QC will be executed and managed by the Consultant and its subconsultants. In lieu of a Project QA/QC Plan, for small projects at the discretion of the SANBAG Director of Project Delivery, a copy of the Consultant's standard QA and QC procedures that are to be followed by the Consultant team (including subconsultants) for the project, will be submitted to SANBAG for review and approval. The standard QA and QC procedures document and any appended project-specific processes, should address the same requirements listed below for the Project QA/QC Plan.

The following is a list of the minimum content and scope of what the Project QA/QC Plan shall contain. When submitted to SANBAG for review, the Project QA/QC Plan will be reviewed and assessed to ensure that these topic areas are covered and adequately addressed by the plan.

Project Introduction and Scope:

1. Project description
2. Scope of work
3. Quality objectives
4. List of deliverable documents for each milestone submittal

Project Team Qualifications, Organization, Staff, Roles and Responsibilities:

5. A description of the minimum resource requirements for staff competence, skills, experience, and credentials.
6. Organization chart showing project staff and lines of QA and QC authority and communications.
7. List of project staff members, roles and responsibilities, including verification, QC review and technical checking, Project Management, Project QA Management and Technical Lead duties.

Quality Training:

8. Quality training, including a training syllabus, schedule, and methods of tracking the staff that have been trained.

Scheduling of Quality Activities:

9. Detailed QA and QC schedule that provides the timing, durations, and dependencies for all QC technical checking, interdisciplinary reviews, internal design verification against project criteria, and internal QA audits.

SANBAG, Caltrans Reviews:

10. Formal external (SANBAG and Caltrans) review schedules (Peer Reviews and Constructability Reviews).
11. Processes for SANBAG Peer Review and Caltrans review comments tracking, response, resolution, checking of comment incorporation, and closure process.

Internal Reviews:

12. Quality procedures related to interdisciplinary design review (IDR) process.
13. Technical review of environmental reports.

Management of Requirements:

14. The requirements for the development of a Basis of Design report that includes a list of governing project criteria, source documents for the governing criteria, including those from Caltrans, SANBAG and local municipalities.
15. Requirements management processes used to track design variation requests, and procedures for changes to the requirements as a result of approved design variances.

Quality Procedures for Project Controls:

16. Project QA and QC procedures related to approved project scope changes and associated revisions to estimates and schedule.
17. Project QA and QC procedures for configuration management against the baseline design.

Quality Control (QC) Procedures:

18. Detailed QC procedures, including descriptions of process steps and documentation of processes for technical checking, QC reviews, and design verification. The procedures for technical checking will include:
 - QC testing and validation of computer software used for the calculations
 - Checking of calculations and data (hand calculations and computer calculations input and output)

- Checking of drawings and exhibits
 - Checking of specifications and contract documents
 - Checking of quantities and cost estimates
 - Review of studies or report-type documents
 - QC of CADD-produced documents
19. Checklists to be used to verify: design criteria / technical compliance; submittal contents; CADD compliance; specifications compliance; calculations compliance; and milestone specific level of completion.

Quality Assurance (QA) Procedures:

20. The processes for QA monitoring, surveillances, and audits of the QC activities, including when QA audits are to be conducted prior to submittals, and the QC activities and QC documentation to be audited.
21. Processes for the management of the implementation of Corrective Action to internal and external QA audit non-conformances and findings.

Quality Documentation:

22. Quality Records list or definition.

Document Control procedures, including electronic files and project folders, submittal procedures, control of hardcopies, uploading of scanned hardcopy PDF files, document retention requirements, and the treatment of quality documents. This part of the Project QA/QC Plan may reference sections of a project management plan and/or a separate project or firm document control plan.

Minute Action

AGENDA ITEM: 5

Date: June 9, 2016

Subject:

Metrolink Station Accessibility Improvement Project - Award Design Contract

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors at a regularly scheduled Board meeting:

- A. Acting as the San Bernardino County Transportation Authority approve award of Contract No. 15-1001122 with KOA Corporation for the preparation of Plans, Specifications and Estimate (PS&E) and Right of Way (ROW) Engineering Services for the Metrolink Station Accessibility Improvement Project in an amount not-to-exceed \$547,990.45 after receipt of Pre-award audit and correction of any deficiencies noted therein, as required by the Caltrans Local Assistance Procedures Manual.
- B. Acting as the San Bernardino County Transportation Authority approve a contingency amount for Contract No. 15-1001122 of \$28,009.55 and authorize the Executive Director or designee to release contingency as necessary for the project.
- C. Approve a budget amendment to SANBAG Fiscal Year 2016/2017 budget to transfer \$626,000 in State Active Transportation Program funds to Federal Active Transportation Program funds for the Metrolink Station Accessibility Improvement Project.

Background:

The Metrolink Active Transportation Program (ATP) project will utilize a grant of federal ATP funds to provide safe pedestrian/bicycle access, wayfinding signage, sidewalk improvements, high-visibility crosswalks, bicycle parking, and improvements to key corridors of the regional bicycle network designed to directly connect to Metrolink Stations in six cities in San Bernardino County. On January 6, 2016, the Board of Directors approved a Categorical Exemption under the California Environmental Quality Act (CEQA) and authorized the release of a Request for Proposals (RFP) for final design services. On February 3, 2016, the Board of Directors approved separate Cooperative Agreements with each of the six cities to define project roles, responsibilities and funding, specifying SANBAG as the lead agency for project administration and funding. On March 3, 2016, Caltrans approved a Categorical Exemption/Categorical Exclusion Determination under the National Environmental Policy Act (NEPA) for the Project.

Recommendation A & B: The RFP No. 15-1001122 for final design services was released on January 7, 2016, and was sent electronically to consultants registered on PlanetBids. There were seventy-seven (77) firms who downloaded the RFP packet from PlanetBids. The solicitation was issued in accordance with current SANBAG policies and procedures for Architectural & Engineering services.

Entity: CTA, JPA

The RFP was also posted on SANBAG's website to engage firms to provide PS&E, ROW Engineering and Design Support Services during Construction for the Metrolink Station Accessibility Improvement Project. A Pre-Proposal meeting was held on January 20, 2016, and was attended by fifteen (15) firms. Addendum No. 1 was issued on January 28, 2016, providing a copy of the list of the pre-proposal attendees, and SANBAG's responses to the questions received by the advertised due date.

SANBAG received three proposals by the date and time specified in the RFP. The following is a summary of the events that transpired in the evaluation and selection process. A responsiveness review was conducted by the Procurement Analyst and found that all three proposals met the requirements outlined in the RFP.

The proposals were disseminated to all evaluation committee members with a copy of the Score Sheets and the Declaration of Impartiality and Confidentiality form on February 09, 2016. The Evaluation Committee was comprised of two individuals from SANBAG's staff, one from the City of Rancho Cucamonga and one from the City of San Bernardino.

Evaluators concluded their individual review of the proposals and convened to review, discuss and score the proposals. The Evaluation Committee members met on February 24, 2016, and discussed each proposal according to the evaluation criteria, including the proposal's strengths and weaknesses. The Procurement Analyst provided information regarding the reference checks of the firms. Four (4) references were contacted for each firm with replies from all references except one who was out of town. The reference feedback was all favorable with no negative feedback on any of the firms. At the completion of discussions the committee members individually scored the proposals based on evaluation criteria.

From the evaluation of the proposals a short-list was developed. The firms short-listed and invited to interviews were CH2M Hill, Inc. and KOA Corporation. Full detail of the scores is included in the Contract Audit File.

Interviews were conducted with the short-listed firms. Interviews were 50 minutes in length, which consisted of a 15-minute for set up and a brief introduction and presentation, followed by 30 minutes of questions and answers. At the completion of the interviews, the Evaluation Committee separately scored the interviews.

The Committee considered both firms qualified to perform the work specified in the RFP. The highest ranked firm, CH2M Hill, Inc. (CH2M) was selected for the following reasons: The firm was able to demonstrate a clear understand of the scope of work and give good examples of the firm's ability to identify and address key components that could have an impact of the schedule and budget. The firm proposed a strong staff of key personnel with the experience and knowledge as a working team to meet all expectations and goals of this project.

Because of the scoring, the evaluation committee recommended that the contract to perform the scope of work as outlined in the Request for Proposals No. 15-1001122, be awarded to CH2M the firm ranked first in technical score and overall score.

On April 12, 2016, SANBAG opened negotiations with CH2M asking the firm to submit their proposed fee schedule. The cost proposal was over the Independent Cost Estimate (ICE) by a sizable amount. As part of the negotiations, the scope of work was reduced without jeopardizing the integrity of the project goals. Even with the reduction in scope, CH2M was still 80% over budget and acknowledged they were not able to reduce their fee any lower. Unable to arrive on a cost that was agreeable to SANBAG and CH2M, both parties arrived at a mutual agreement that

Board of Directors Metro Valley Study Session Agenda Item

June 9, 2016

Page 3

negotiations were not successful as stated in the Notice of Intent to Award dated March 9, 2016. As a result the negotiations with CH2M were concluded.

As outlined in SANBAG's Contracting and Procurement Policy 11000, the intention to award this contract was offered to the second highest-ranking firm, KOA Corporation (KOA). SANBAG staff opened negotiations with KOA also asking the firm to submit a fee proposal. KOA was able to submit a fee proposal that was in-line with the ICE without altering the scope of work. KOA offered alternative methods to accomplish some of the tasks for the project.

Following procurement policy 11000, SANBAG staff recommends that the contract be awarded to KOA Corporation the second highest scoring firm in technical and overall score. The firm also clearly demonstrated a thorough understanding of the goal of this project through the revised scope of work and proposed an overall solid team. Evaluation forms and reference checks are located in the Contract Audit File.

Staff recommends approval of Contract No. 15-1001122 for \$547,990.45 with KOA as well as a contingency for this contract in the amount of \$28,009.55 with authorization for the Executive Director or his designee to release these funds as necessary.

Recommendation C: In the SANBAG Fiscal Year 2016/2017 budget, the funding for the Metrolink Station Accessibility Improvement Project was incorrectly identified with State Active Transportation Funds instead of Federal Active Transportation Funds.

Staff recommends approval of a budget amendment to SANBAG Fiscal Year 2016/2017 budget to transfer \$626,000 in State Active Transportation Program funds to Federal Active Transportation Program funds for the Metrolink Station Accessibility Improvement Project.

Financial Impact:

This item amends the SANBAG Fiscal Year 2016/2017 budget to transfer \$626,000 in State Active Transportation Program funds to Federal Active Transportation Program funds for the Metrolink Station Accessibility Improvement Project.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft contract.

Responsible Staff:

Dennis Saylor, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Contract Summary Sheet

General Contract Information

Contract No: 15-1001122 Amendment No.: _____ Vendor No.: 01196
 Vendor/Customer Name: KOA Corporation Sole Source? Yes No
 Description: PS&E, ROW Engineering and Design Support Services for Metrolink ATP Project
 Start Date: 07/06/2016 Expiration Date: 12/31/2018 Revised Expiration Date: _____
 Has Contract Term Been Amended? No Yes - Please Explain _____
 List Any Related Contracts Nos.: _____

Dollar Amount			
Original Contract	\$ 547,990.45	Original Contingency	\$ 28,009.55
Revised Contract (Inclusive of Prior Amendments)	\$ -	Revised Contingency (Inclusive of Prior Amendments)	\$ -
Current Amendment	\$ -	Contingency Amendment	\$ -
TOTAL CONTRACT VALUE	\$ 547,990.45	TOTAL CONTINGENCY VALUE	\$ 28,009.55
		TOTAL DOLLAR AUTHORITY (Contract Value and Contingency)	\$ 576,000.00

Contract Authorization

Executive Director Date: _____
 Executive Director Action: _____
 Board of Directors Date: 07/06/2016
 Board of Directors Action: Approve Contract 15-1001122

Contract Management: Payable/Miscellaneous

Invoice Warning: 20% Renewals: _____ Type: Capital PAA Other
 Retention: _____ % Maximum Retention: \$ _____
 Services: Construction Intrgrnt/MOU/COOP A & E Services Other Professional Services
 Disadvantaged Business Enterprise (DBE) Goal 8%

Contract Management: Receivable

E-76 and/or CTC Date _____ (Attach Copy) Program Supplement No.: _____
 Finance Letter Reversion Date: _____ EA No.: _____

All of the above MUST be submitted to FINANCE including originals, amendments and miscellaneous transaction changes

Additional Information

Project Manager: Brian Smith

Attachment: 15-1001122 - CSS (2504 : Metrolink ATP - Award Design Contract)

ATTACHMENT "A"
SCOPE OF WORK
Contract No. 15-1001122

San Bernardino Associated Governments acting as San Bernardino County Transportation Authority ("SANBAG") is seeking professional services for the preparation of plans, studies and reports necessary for development of the Plans, Specifications and Estimate (PS&E) for the Metrolink Active Transportation Program, Phase I ("Project") at seven Metrolink Facilities in San Bernardino County.

The Active Transportation Program (ATP) was created by Senate Bill 99 (Chapter 359, Statutes of 2013) and Assembly Bill 101 (Chapter 354, Statutes of 2013) to encourage increased use of active modes of transportation, such as biking and walking. The ATP consolidates various transportation programs; including the federal Transportation Alternatives Program, state Bicycle Transportation Account, and federal and state Safe Routes to School programs into a single program.

This Project will improve pedestrian and bicycle accessibility at seven Metrolink Stations by extending bike trails and lanes, improving sidewalks and crosswalks, providing bike lockers and racks, and adding way-finding signage. The project locations and proposed improvements are identified in Figures A.1 to A.7. The proposed improvements have been divided into Phase I and Phase II elements based on a preliminary estimate and compatibility with available Phase I funding constraints. As the PS&E progresses, proposed improvements may be shifted between Phase I and Phase II to remain within funding constraints.

I. APPLICABLE STANDARDS

- A. All documents shall be prepared in accordance with current Federal, State and local regulations, policies, procedures, manuals, and standards where applicable. Consultant shall obtain, at its expense, all applicable Manuals and Standard Plans.
- B. Project plans and specifications must comply with the Federal Americans with Disabilities Act (ADA) requirements 28 CFR, Part 35 or Part 36, and the *California and Local Building Codes* within the project limits. In accordance with 28 CFR Sec. 35.151, curbs and ramps must meet current ADA standards if the project includes streets that are to be newly constructed or altered (includes repaving). For ADA requirements, see Chapter 11 "Design Standards," and Section 12.7 of this chapter. Complete the Caltrans Certification of Compliance with Americans with Disabilities Act (ADA) Form TR-040.
- C. The Task and WBS Structure used for pricing, cost reporting and schedule preparation is the Caltrans Workplan Standards Guide for Delivery of Capital Projects.
- D. Project Management will be performed in accordance to the Caltrans' Workplan Standards Guide for Delivery of Capital Projects.
- E. Project Plans will be prepared in MicroStation V8 format and in accordance with the Caltrans CADD User's Manual.

- F. Project Specifications and Special Provisions will be prepared in accordance with Caltrans 2015 Standard Specifications and Special Provisions
- G. Standard plans from each local Agency will be utilized for elements of work within their jurisdiction.

II. GENERAL DESCRIPTION OF REQUIRED SERVICES

- A. Consultant Services include the studies, reports, drawings, plans specifications, estimates, and special provisions necessary to complete the PS&E package.
- B. The Work includes ROW support, specifically related to utility research and coordination, surveys and mapping required for ROW and Utility certification.
- C. The Work includes design support during construction. Specifically, the scope includes providing background information on the PS&E package, answering Requests for Information (RFI) and preparation of the construction as-built package.
- D. The Moving Ahead for Progress in the Twenty First Century (MAP-21) requires pre-project and post-project pedestrian and bike traffic analysis and is included in this scope of work.
- E. The final technical reports must bear the signature, stamp or seal, registration number, and registration certificate expiration date of the registered civil engineer most directly in responsible charge or other registered or certified professional working on the report as specified in Section 9 of the Project Development Procedures Manual.
- F. Develop and maintain a Project schedule utilizing the Primavera P6 Project Management, Release 7.0 software or approved equal. The Project schedule will be presented monthly to the Project Development Team (PDT) meeting and electronic files will be provided as requested to SANBAG. A deliverables matrix will accompany the schedule. The deliverables matrix will highlight the status of the documents in the review process.
- G. Employ quality control procedures that identify potential risks and uncertainties related to construction of the Project. Risks that may be encountered include, but are not limited to, soil conditions, constructability, factors of safety, impacts to adjacent properties, public safety, and environmental considerations. If at any time during the performance of this Scope of Services, Consultant observes, encounters, or identifies any circumstances that could pose potential risk, Consultant shall notify SANBAG immediately.

IV. PROJECT

This contract is for Phase I projects only. Figures A.1 to A.7 include both Phase I and Phase II projects. Both Phases are included in the Environmental Documents. Scope refinement will occur during the early design phase. Assume the projects shown as Phase I in Figures A.1 to A.7 are included in this scope of services.

V. ASSUMPTIONS

- A. Assume there will be three (3) meetings per month for the duration of the PS&E phase, including a monthly PDT meeting. Assume the PS&E phase spans nine (9) months.
- B. Assume there will be one (1) meeting per month for the duration of the construction phase and that construction spans nine (9) months.
- C. Assume eight (8) hard copies and eight (8) CDs of all final deliverables. Consultant will coordinate with SANBAG and each City prior to distribution of all deliverables to determine the points of contact and format of copies.
- D. Assume each major deliverable will include a SANBAG peer review in conjunction with a review by each local Agency, followed by a workshop for comment resolution, if required.
- E. SANBAG's ROW consultant has performed a utility investigation and has acquired facility mapping for utilities within the project limits. These utility facility maps will be provided to the Consultant to include in the plans and to identify conflicts.
- F. Assume all improvements will be within public right of way and temporary construction or permanent easements will not be required.

VI. SCOPE OF SERVICES

The following is a summary of anticipated tasks outlined in the Caltrans Work Breakdown Structure (WBS) necessary to complete the PS&E phase and obtain Caltrans approval. This summary is not intended to be all inclusive and work may include tasks listed in the WBS that are not identified in this summary.

Task 100 Project Management

The services provided include the initiation and planning of the project, and the execution, control and close out of the project. Tasks include:

- Initiation and planning of the project
- Providing project management and supervision of project staff to facilitate the performance of the work
- Preparation and maintenance of the Project schedule and deliverables matrix

- Presenting the schedule and deliverables matrix to the monthly Project Development Team (PDT) meeting
- Coordination with Agencies to determine project priorities and access permit requirements
- Coordination with the PDT and project stakeholders
- Administering subcontracts and directing their work (if applicable)
- Preparation and distribution of agendas prior to the meetings, preparation of meeting minutes and distribution of minutes within five working days after the meetings
- Organizing the Kick-off Meeting with Project Stakeholders to define the project and project limits, review roles and responsibilities, and determine which document deliverables are necessary
- Development and maintenance of the Work Plan
- Preparation of remedial actions to recover schedule loss
- Development and use a Project Specific Quality Assurance and Quality Control Plan in conformance with Section VI.
- Development and use a Project Management Plan.
- Development and use a Risk Management Plan.
- Development and use a Document Control Plan

Deliverables:

- PDT meeting notices, agendas, handouts, and minutes
- Presentation materials consisting of agendas, previous meeting minutes, current schedule and deliverables matrix, current plans and action item log.
- Monthly Project Master Schedule delivered one week prior to the PDT meeting.
- Project Master Schedule in electronic format delivered as requested.
- Project Specific Quality Assurance and Quality Control Plan
- Project Management Plan
- Project specific Risk Management Plan
- Document Control Plan
- Final copy of all major deliverables during close-out

Task 160/165 Preliminary Engineering and Environmental Studies

Project Initiation Documents and some preliminary engineering studies were completed for the ATP Grant Application and the "Improvement to Transit Access for Cyclists and Pedestrians Report". Prior to starting the PS&E activities, an assessment is required of preliminary engineering studies requirements to support the PS&E Work. Coordinate with PDT to determine which of the following are required and at what level.

- Surveys and maps to determine boundary information
- Topography, Base Maps and Plan Sheets
- Utility locations plans and estimate
- Preliminary Investigation Report to assess work-site conditions and topographic data
- Geometric Plans, Horizontal and Vertical Alignments
- Water Quality Management Plan

- Fact Sheet for Exceptions to Design Standards (if required)

The following are required:

- Transportation Problem Definition and Site Assessment for Impacted Roadways
 - Compile and review existing background information.
 - Review existing reports studies and mapping including planning documents, field reviews, as-builts, base mapping, existing surveys and ROW maps.
 - Develop project constraints and information required to determine the extent of the existing problem and future needs including discussions with internal and external stakeholders.
 - Analyze the existing problem and future requirements to determine the project's need and purpose.
 - Prepare the necessary Fact Sheets for Design Exceptions, in the event that non-standard features are necessary.

Foot and Bicycle Traffic Assessment: Consultant will conduct a high-level assessment for pedestrian and bicyclist activity surrounding the station areas. No quantitative before and after foot and bicycle assessment will be conducted.

- List of permits required to complete project

Task 185 Base Maps and Plan Sheets

Work during PS&E development involves the preparation of geometric base maps and functional base plan sheets, including review of existing project information, gathering appropriate mapping, conducting additional studies. Final products of this task include preparation of Right of Way maps and plan sheets.

The task includes updating the project information needed to prepare the engineering design report, perform preliminary design and determine ROW requirements.

Specifically:

- Field reviews and topographic surveys
- Research and obtain copies of existing studies
- Research, obtain, and review utility maps and plans
- Obtain Record of Survey, benchmark, and centerline tie information
- Produce mapping and survey control necessary for the PS&E including
 - Incorporation of Basic (Corridor) Control and adjacent project.
 - Establishing primary control throughout the project
 - Establishing supplemental control for the project
 - Documenting the control survey.

Deliverables:

- Updated project information and confirmation of Purpose and Scope

- Permanent Project Control Monumentation
- Project Control Diagram or Control Record of Survey
- Project Control Report
- Project file containing the following:
 - Topography
 - Right of Way boundaries
 - Structures
 - Utility Locations

Task 230 Draft PS&E Package

Work involves the preparation and review of draft roadway plans, specifications, estimates, roadway design and functional PS&Es. Due to the limited impact of the project on the community or environment, not all PS&E studies or deliverables may be required.

Fact Sheets: Prepare the necessary Fact Sheets for Design Exceptions, in the event that non-standard features are necessary.

Engineering Reports: Finalize project design reports needed to establish design parameters and complete design.

Electrical Service Coordination: This task includes all efforts required to coordinate and obtain electrical service agreements with the local electrical service providers. Service agreements may be required for signal, lighting, communication and irrigation elements of work.

Deliverables:

- Road and Highway Plans including, but not limited to Title Sheet and Key Maps, Project Control, Typical Sections, Layouts, Profiles, Construction Details, Summary of Quantities, Water Pollution Control, Drainage, Utility (existing and proposed), Stage Construction, Traffic Handling, Detour, Pavement Delineation, Sign, Removal, Landscape & Planting, Irrigation, Erosion Control
- Project Specifications
- Response to Comments Matrices (PEER review and Agency comments)
- Quantities Estimate
- Cost Estimate
- Engineering Reports and Calculations
 - Hydrology and Hydraulics Analysis (if required)
 - Water Quality Management Plan
 - Electrical Load Calculations
- Draft PS&E Submittal Packages (65% and 95%)
- Electrical Service Agreements

Task 255 Final PS&E Package

This activity includes reproduction, distribution, coordination, and circulation of the project's plans, specifications and estimate. Included are coordinating reviews, reaching consensus and incorporation of comments. Task includes:

- Final Plans including Constructability Review.

- Utility Plans for conflicts (proposed and existing)
- Review Project for Final Permit Needs
- Review Aesthetics
- All Specifications and Estimate
- Materials design elements and specifications
- Conformity with Environmental Commitments
- Perform Safety Review
- Perform PS&E Reviews
- Prepare Construction Staking Package
- Prepare Resident Engineer's Pending File
- Final bid package for construction
- Support construction procurement as required
- Incorporate PEER review, Agency comments and constructability review comments

Deliverables:

- Comment Resolution Matrix or focus meetings as required
- Updated PS&E Package
- Approved Environmental Reevaluation
- Final PS&E Package
- Materials Information Handout
- Construction Staking Package
- Resident Engineer's Pending File

Task 200/220 Right of Way Engineering

This task identifies Consultant Right of Way and Utility services. Consultant Work includes mapping for utilities and identification of conflicts and coordination with the Utility Companies to produce the utility plan sheets. Consultant Work includes the following:

- Utility Relocation Plan: Coordinate with the Utility Companies to produce the utility relocation plans for the protection, removal and relocation of utility facilities necessary to clear and certify ROW.
- ROW and Utility Certifications.
Potholing: Pothole plan and Pothole exploration necessary to positively locate potential utility conflicts.

Deliverables:

- Right of Way Mapping
- Utility Location Maps (existing and proposed)
- Pothole Request Map
- Pothole Data
- Utility Coordination efforts
- Utility Agreements (if required)
- Railroad Agreements (if required)
- Utility Certification
- Right of Way Certification

VII. PROJECT SPECIFIC QUALITY ASSURANCE AND QUALITY CONTROL PLAN REQUIREMENTS

Quality Assurance (QA) encompasses all of the planned and systematic activities implemented within the quality system that can be demonstrated to provide confidence that a product or service will fulfill requirements for quality. Quality Control (QC) consists of operational techniques and activities used to fulfill requirements for quality. For environmental review process, preliminary engineering and final design, QC includes technical checking, review and design verification activities, while the QA activities includes the monitoring, surveillances, auditing and other means of oversight of the QC activities and documentation, to ensure completeness and adherence to the QC procedures.

A project specific quality management plan (herein referred to as a Project QA/QC Plan) shall be developed by the Consultant and submitted to SANBAG for review and approval. The Project QA/QC Plan shall describe how QA and QC will be executed and managed by the Consultant and its subconsultants. In lieu of a Project QA/QC Plan, for small projects at the discretion of the SANBAG Director of Project Delivery, a copy of the Consultant's standard QA and QC procedures that are to be followed by the Consultant team (including subconsultants) for the project, will be submitted to SANBAG for review and approval. The standard QA and QC procedures document and any appended project-specific processes, should address the same requirements listed below for the Project QA/QC Plan.

The following is a list of the minimum content and scope of what the Project QA/QC Plan shall contain. When submitted to SANBAG for review, the Project QA/QC Plan will be reviewed and assessed to ensure that these topic areas are covered and adequately addressed by the plan.

Project Introduction and Scope:

1. Project description
2. Scope of work
3. Quality objectives
4. List of deliverable documents for each milestone submittal

Project Team Qualifications, Organization, Staff, Roles and Responsibilities:

5. A description of the minimum resource requirements for staff competence, skills, experience, and credentials.
6. Organization chart showing project staff and lines of QA and QC authority and communications.
7. List of project staff members, roles and responsibilities, including verification, QC review and technical checking, Project Management, Project QA Management and Technical Lead duties.

Quality Training:

8. Quality training, including a training syllabus, schedule, and methods of tracking the staff that have been trained.

Scheduling of Quality Activities:

9. Detailed QA and QC schedule that provides the timing, durations, and dependencies for all QC technical checking, interdisciplinary reviews, internal design verification against project criteria, and internal QA audits.

SANBAG, Caltrans Reviews:

10. Formal external (SANBAG and Caltrans) review schedules (Peer Reviews and Constructability Reviews).
11. Processes for SANBAG Peer Review and Caltrans review comments tracking, response, resolution, checking of comment incorporation, and closure process.

Internal Reviews:

12. Quality procedures related to interdisciplinary design review (IDR) process.
13. Technical review of environmental reports.

Management of Requirements:

14. The requirements for the development of a Basis of Design report that includes a list of governing project criteria, source documents for the governing criteria, including those from Caltrans, SANBAG and local municipalities.
15. Requirements management processes used to track design variation requests, and procedures for changes to the requirements as a result of approved design variances.

Quality Procedures for Project Controls:

16. Project QA and QC procedures related to approved project scope changes and associated revisions to estimates and schedule.
17. Project QA and QC procedures for configuration management against the baseline design.

Quality Control (QC) Procedures:

18. Detailed QC procedures, including descriptions of process steps and documentation of processes for technical checking, QC reviews, and design verification. The procedures for technical checking will include:
 - QC testing and validation of computer software used for the calculations
 - Checking of calculations and data (hand calculations and computer calculations input and output)
 - Checking of drawings and exhibits
 - Checking of specifications and contract documents
 - Checking of quantities and cost estimates
 - Review of studies or report-type documents
 - QC of CADD-produced documents
19. Checklists to be used to verify: design criteria / technical compliance; submittal contents; CADD compliance; specifications compliance; calculations compliance; and milestone specific level of completion.

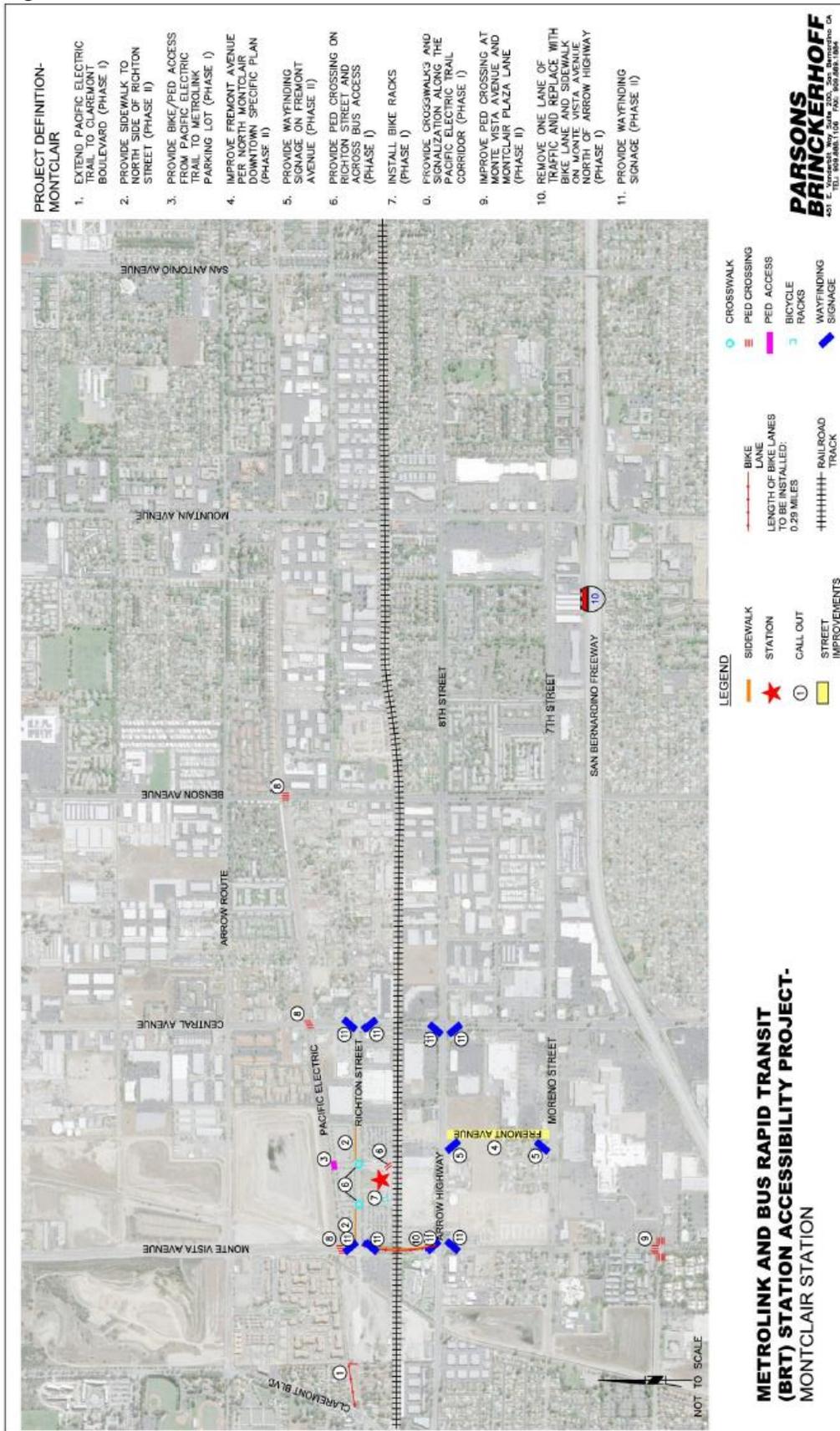
Quality Assurance (QA) Procedures:

20. The processes for QA monitoring, surveillances, and audits of the QC activities, including when QA audits are to be conducted prior to submittals, and the QC activities and QC documentation to be audited.
21. Processes for the management of the implementation of Corrective Action to internal and external QA audit non-conformances and findings.

Quality Documentation:

22. Quality Records list or definition.
23. Document Control procedures, including electronic files and project folders, submittal procedures, control of hardcopies, uploading of scanned hardcopy PDF files, document retention requirements, and the treatment of quality documents. This part of the Project QA/QC Plan may reference sections of a project management plan and/or a separate project or firm document control plan.

Figure A.1



Attachment: 15-1001122 - Att A Scope of Work [Revision 2] (2504 : Metrolink ATP - Award Design Contract)

5.b

Figure A.2

PROJECT DEFINITION- UPLAND

1. PROVIDE MID-BLOCK PED/BIKE CROSSING WITH SIGNAL OR FLASHING OVERHEAD BEACON AT EUCLID AVENUE AND PACIFIC ELECTRIC TRAIL (PHASE I)
2. PROVIDE WAYFINDING SIGNAGE AT EUCLID AVENUE AND "A" STREET (PHASE I)
3. PROVIDE SHARED BIKE LANE MARKINGS ON CLASS III BIKE LANES AT 8TH STREET AND CAMPUS AVENUE (PHASE I)
4. PROVIDE BIKE LANE STRIPING AND "COLOR" THOROUGH CONFLICT ZONES ON EUCLID AVENUE (PHASE II)
5. PROVIDE SIDEWALK ON WEST SIDE OF 3RD AVENUE (PHASE I)
6. INSTALL SHORT AND LONG-TERM BIKE PARKING (PHASE II)
7. PROVIDE PEDESTRIAN AUTOMATED CROSSING GATES AT RAILROAD TRACKS AT EUCLID AVENUE AND "A" STREET (PHASE II)
8. PROVIDE CROSSWALKS AT 16 INTERSECTIONS ALONG 1ST AVENUE, 2ND AVENUE, AND 3RD AVENUE (PHASE I & II)
9. PROVIDE PEDESTRIAN AUTOMATED CROSSING GATES ON WEST SIDE OF THE STREET AT RAILROAD TRACKS ON 2ND AVENUE SOUTH OF "A" STREET (PHASE II)
10. PROVIDE BIKE LANE STRIPING ON FOOTHILL BOULEVARD (PHASE II)
11. PROVIDE CROSSWALK MARKINGS AT BENSON AVENUE AND PACIFIC ELECTRIC TRAIL (PHASE II)

LEGEND

- SIDEWALK
- STATION
- CALL OUT
- BICYCLE LOCKERS
- CROSSWALK
- AUTOMATIC GATE
- BIKE LANE MARKINGS
- PED CROSSING
- BIKE PARKING
- WAYFINDING SIGNAGE
- BIKE LANE
- LENGTH OF BIKE LANES TO BE INSTALLED: 6.61 MILES
- RAILROAD TRACK

PARSONS BRINCKERHOFF
401 E. TRAVIS AVENUE, SUITE 1000, SAN ANTONIO, TX 78202
TEL: 202.245.1100 FAX: 202.245.1154

METROLINK AND BUS RAPID TRANSIT (BRT) STATION ACCESSIBILITY PROJECT- UPLAND STATION

Attachment: 15-1001122 - Att A Scope of Work [Revision 2] (2504 : Metrolink ATP - Award Design Contract)

15-1001122

ATTACHMENT A SOW

03/17/15

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Figure A.3

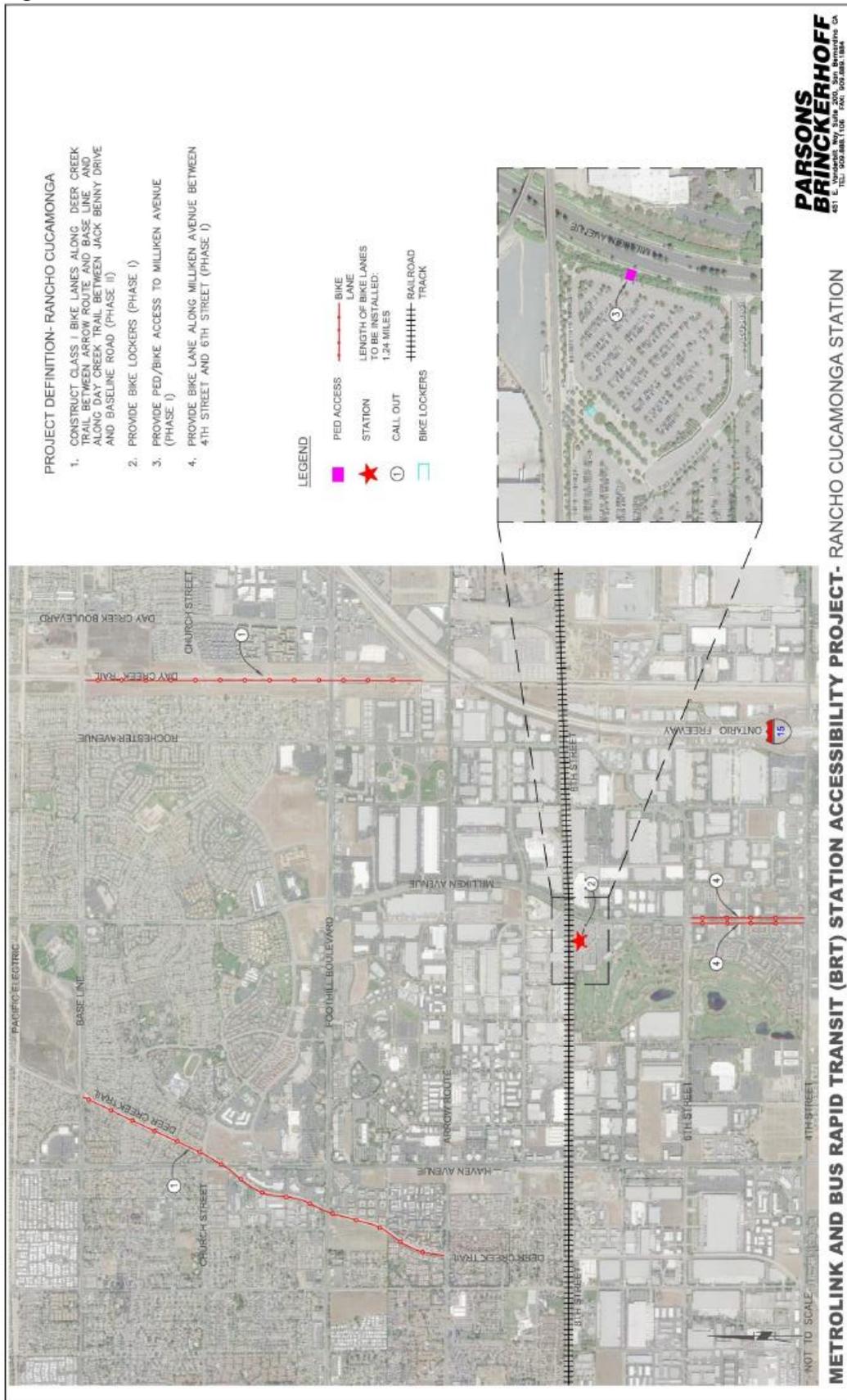
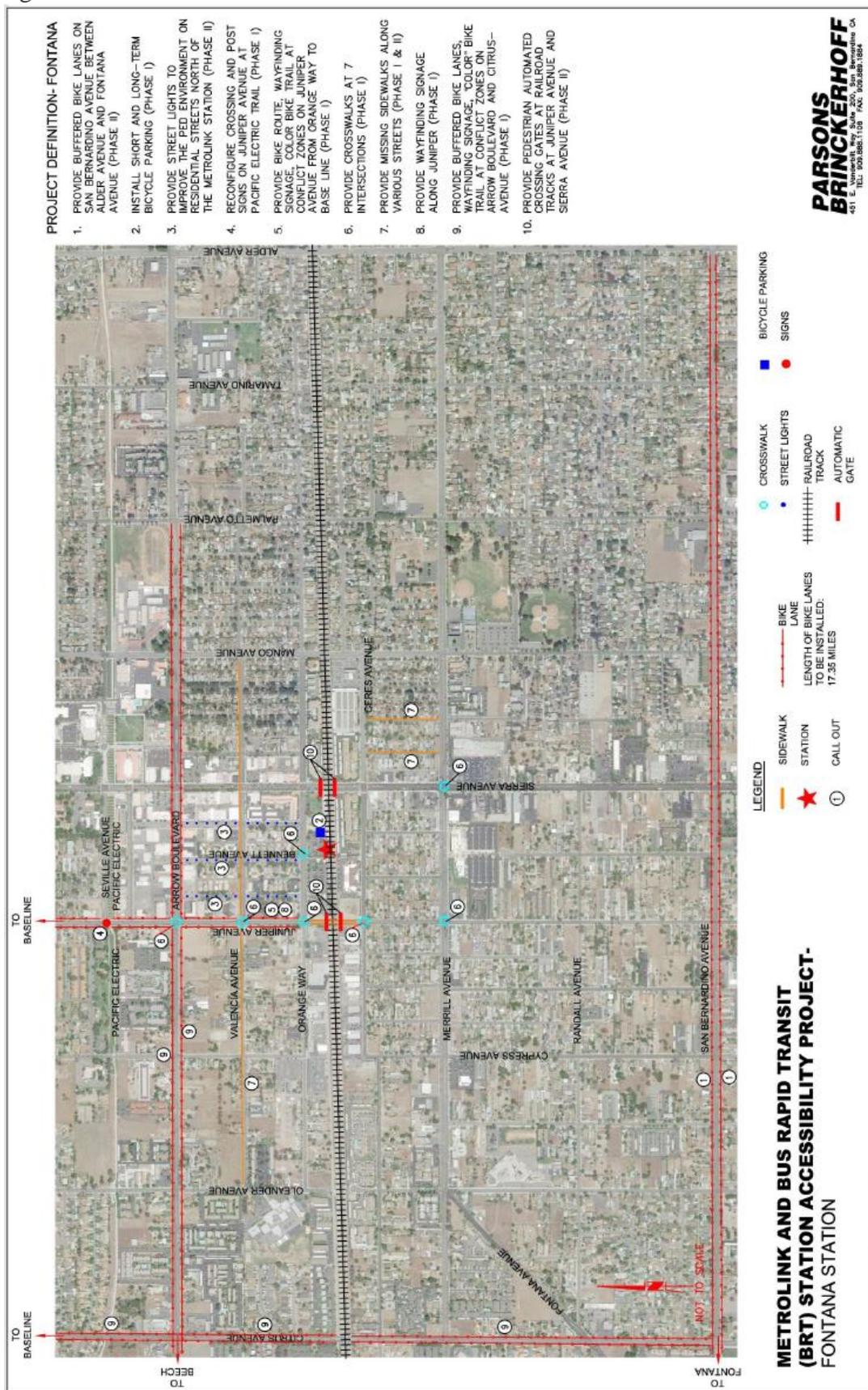


Figure A.4



Attachment: 15-1001122 - Att A Scope of Work [Revision 2] (2504 : Metrolink ATP - Award Design Contract)

Figure A.5

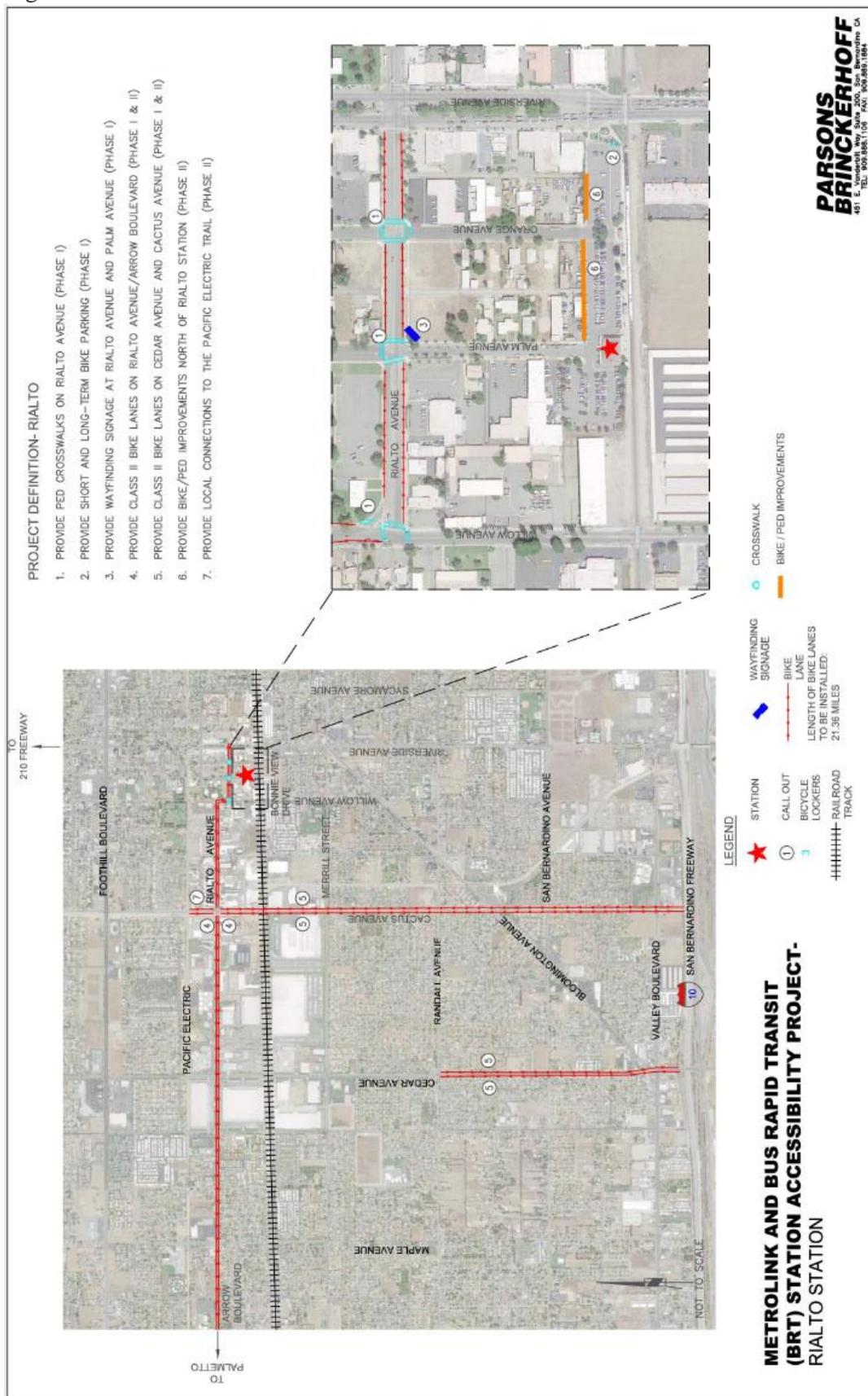


Figure A.6

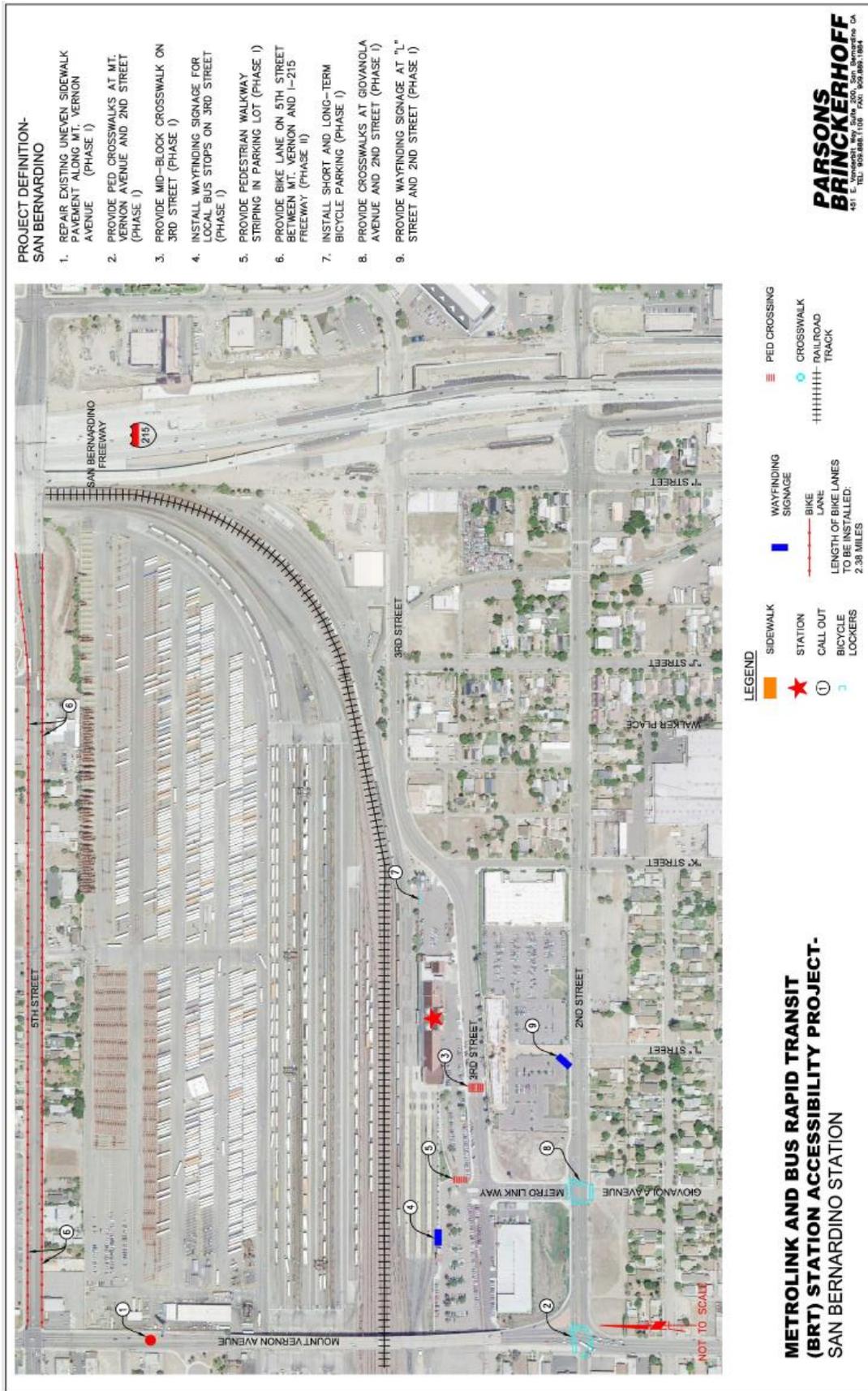
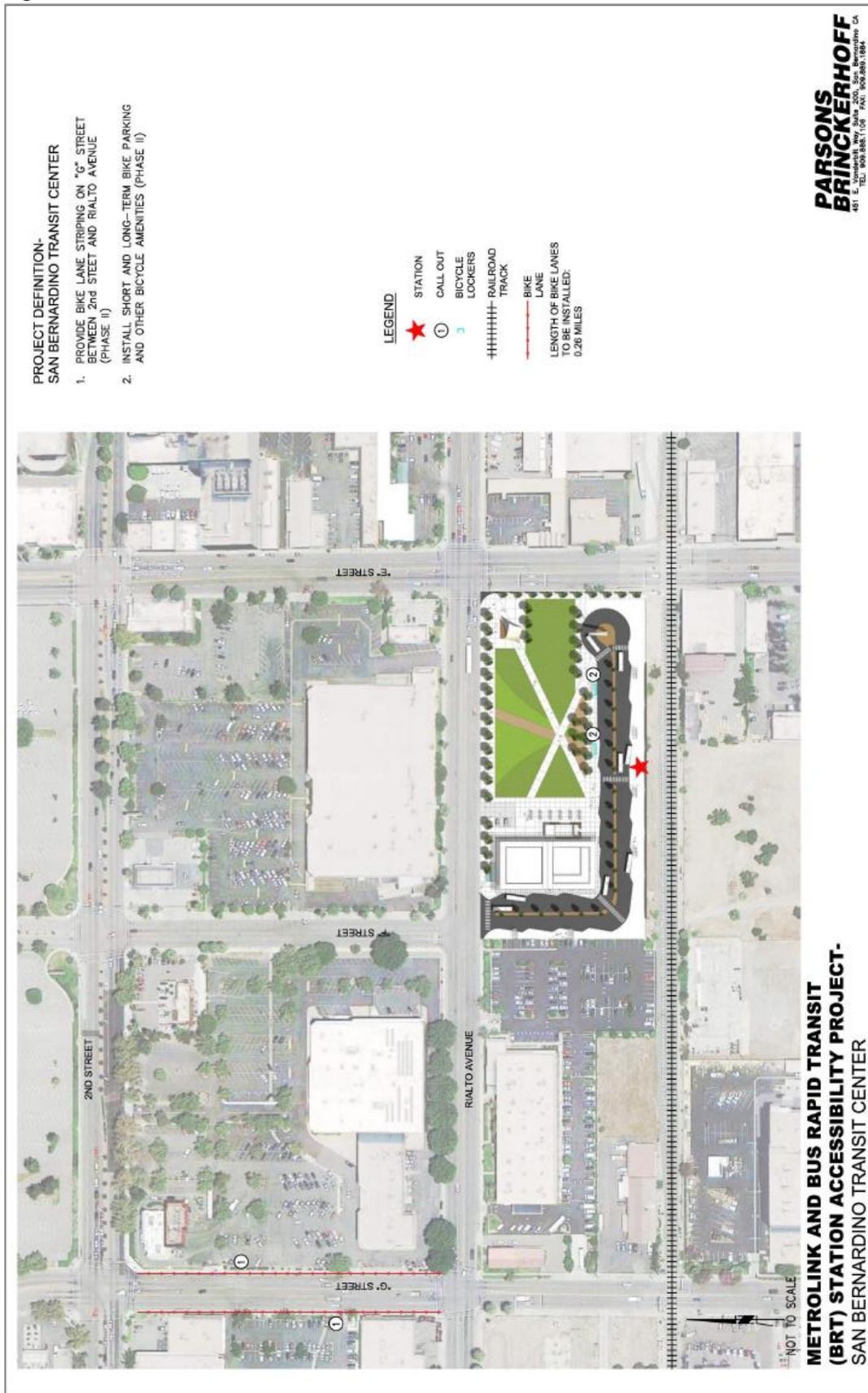


Figure A.7



Minute Action

AGENDA ITEM: 6

Date: June 9, 2016

Subject:

Monte Vista Grade Separation - Agreements and Invitation for Bids

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

A. Approve Amendment No. 1 to Cooperative Agreement No. 15-1001297 with the City of Montclair for the construction of the Monte Vista Avenue Grade Separation Project which increases project funding based on actual costs and final engineers estimate.

B. Approve Amendment No. 1 to Trade Corridors Improvement Fund (TCIF) Baseline Agreement No. 16-1001448 with the California Transportation Commission (CTC), Caltrans and the City of Montclair for the Monte Vista Grade Separation and authorize the Executive Director to execute the final Amendment No. 1 to TCIF Baseline Agreement No. 16-1001448 after approval as to form by General Counsel.

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

C. Authorize the Director of Project Delivery to advertise Invitation for Bids (IFB) No. 16-1001461, pending federal authorization to proceed, for construction bids for the Monte Vista Grade Separation Project.

D. Authorize staff to proceed directly to the Board of Directors without prior Metro Valley Study Session review for the award of the Construction Contract No. 16-1001461.

Background:

The Monte Vista Grade Separation project in the City of Montclair is concluding the design and right-of-way phase with construction scheduled to start in early 2017. The design and right-of-way phase is being led by the City of Montclair and SANBAG will lead the construction phase.

Recommendation A: On September 2, 2015, the Board approved Cooperative Agreement No. 15-1001297 with the City of Montclair for the construction phase of the Monte Vista Grade Separation based on estimated project costs of \$19,601,000 and a public/development share split of 81.1% and 18.9%. An amendment is now required to this agreement to revise the development share percentage used in the original agreement as well as to update the project funding based on actual costs and the final engineers estimate. This amendment revises the public share to 91.5% and the development share to 8.5%, consistent with the Nexus Study.

Entity: CTA, CTC

Board of Directors Metro Valley Study Session Agenda Item

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At the time of Board approval, it was noted in the staff report that the City of Montclair was early in the final design phase and the estimated costs were based on April, 2015 estimates. It was noted that an increase in costs was anticipated by final design. The final engineer's estimate of construction costs has now been completed which captures some additional and updated construction costs that were not reflected in the preliminary engineer's estimate due to unit cost increases and constructability issues which required additional bid items and costs to address. In addition, SANBAG has awarded a contract to a construction management (CM) firm, and final costs and contributions have been negotiated with the Union Pacific Railroad (UPRR), with both CM and UPRR costs coming in higher than originally estimated. Utilizing these updated costs, this amendment includes a total construction cost of \$26,960,492.00, which consists of a SANBAG share of \$24,417,225.18 and a City of Montclair share of \$2,543,266.82 before project buy downs.

The City of Montclair has been notified by Caltrans staff of the intent to award the project \$5,000,000.00 in California Public Utility Commission (PUC) Section 190 Grade Separation Program funds. These PUC funds, along with a negotiated UPRR contribution of \$1,076,309.00 will be used to buy down project costs, which will reduce the SANBAG share to \$18,857,402.45 and the City of Montclair share to \$2,026,780.56. The SANBAG share will consist of Projects of National and Regional Significance (PNRS) funds, Trade Corridor Improvement Fund (TCIF) funds and Measure I Valley Major Street Program (Grade Separation) funds.

Staff is recommending approval of Amendment No. 1 to Cooperative Agreement No. 15-1001297 with the City of Montclair for the construction of the Monte Vista Grade Separation Project

Recommendation B: On March 2, 2016, the Board approved TCIF Baseline Agreement No. 16-1001448 with the CTC, Caltrans and the City of Montclair for the Monte Vista Grade Separation project which included funding based on the latest engineers estimate at the time of execution. An amendment is now required for consistency with the cost increases reflected in Agreement 15-1001297 as referenced in Recommendation A. This agreement reflects the anticipated PUC Section 190 funding being approved by August, 2016. Staff recommends approval of this recommendation.

Recommendation C & D: Staff anticipates receiving federal authorization to proceed towards the end of September, 2016. Staff is recommending that the Board authorize the Director of Project Delivery to advertise the construction contract for the project through the release of IFB No. 16-1001461, subject to the issuance of the federal authorization to proceed with construction such that the IFB can be issued as expeditiously as possible.

The TCIF program requires that a construction contract be awarded within six months of allocation of funding. Given this time line, staff is requesting authorization to proceed directly to the Board with a recommendation for construction contract award without prior Metro Valley Study Session review to ensure that the contract is awarded within the 6 month constraint.

Financial Impact:

This item is consistent with the Fiscal Year 2016/2017 Budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory

Board of Directors Metro Valley Study Session Agenda Item

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committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendments.

Responsible Staff:

Dennis Saylor, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Contract Summary Sheet

General Contract Information

Contract No: 15-1001297 Amendment No.: 1 Vendor No.: 01455
 Vendor/Customer Name: City of Montclair Sole Source? Yes No
 Description: Monte Vista Grade Separation Cooperative Agreement
 Start Date: 09/02/2015 Expiration Date: 08/31/2020 Revised Expiration Date: _____
 Has Contract Term Been Amended? No Yes - Please Explain _____
 List Any Related Contracts Nos.: _____

Dollar Amount			
Original Contract	\$ 3,927,614.00	Original Contingency	\$ -
Revised Contract (Inclusive of Prior Amendments)	\$ 3,927,614.00	Revised Contingency (Inclusive of Prior Amendments)	\$ -
Current Amendment	\$ (1,384,347.18)	Contingency Amendment	\$ -
TOTAL CONTRACT VALUE	\$ 2,543,266.82	TOTAL CONTINGENCY VALUE	\$ -
		TOTAL DOLLAR AUTHORITY (Contract Value and Contingency)	\$ 2,543,266.82

Contract Authorization

Executive Director Date: _____
 Executive Director Action: _____
 Board of Directors Date: 07/06/2016
 Board of Directors Action: Approve Amendment No. 1 to Agreement 15-1001297

Contract Management: Payable/Miscellaneous

Invoice Warning: 20% Renewals: _____ Type: Capital PAA Other
 Retention: _____% Maximum Retention: \$ _____
 Services: Construction Intrgrnt/MOU/COOP A & E Services Other Professional Services
 Disadvantaged Business Enterprise (DBE) Goal _____%

Contract Management: Receivable

E-76 and/or CTC Date _____ (Attach Copy) Program Supplement No.: _____
 Finance Letter Reversion Date: _____ EA No.: _____

All of the above MUST be submitted to FINANCE including originals, amendments and miscellaneous transaction changes

Additional Information

Project Manager: Brian Smith

Attachment: 15-1001297-01 CSS (2506 : Monte Vista Grade Separation - City Coop & IFB)

**AMENDMENT NO. 1 TO
COOPERATIVE AGREEMENT NO. 15-1001297
BETWEEN
SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY
AND
CITY OF MONTCLAIR
FOR
CONSTRUCTION PHASE FOR THE GRADE SEPARATION AT
MONTE VISTA AVENUE/UPRR IN THE CITY OF MONTCLAIR**

I. PARTIES AND TERM

A. THIS AMENDMENT NO. 1 to COOPERATIVE AGREEMENT (“Agreement”) is made and entered into by and between the San Bernardino County Transportation Authority (hereinafter referred to as “AUTHORITY”) and the City of MONTCLAIR (CITY), (AUTHORITY and CITY may be referred to herein as a “Party” and collectively “Parties”).

II. RECITALS

A. WHEREAS, CITY and AUTHORITY have previously entered into Cooperative Agreement, No. 15-1001297 which delineates roles, responsibilities, and funding commitments relative to the Construction activities of the PROJECT.

B. WHEREAS, the CITY and AUTHORITY wish to amend Cooperative Agreement, No. 15-1001297 to update the estimated Construction Phase costs of the PROJECT based on the latest engineer’s estimate developed during final design phase, updated construction management costs, and adjusted party shares.

NOW, THEREFORE, the Parties agree to amend Cooperative Agreement No. 15-1001297 between the CITY and AUTHORITY as follows:

1. Delete paragraph F of Section II, entitled “RECITALS” and replace with the following:

“F. WHEREAS, the project Construction phase is estimated to cost a total of \$26,960,492.00, which includes \$275,000.00 for the AUTHORITY to provide Project Management services for the Project; and”

2. Delete paragraph K of Section II, entitled “RECITALS” and replace with the following:

“K. WHEREAS, the remaining PROJECT cost, aside from AUTHORITY Project Management costs, for the Construction Phase is estimated at \$26,685,492.00, which shall be funded with 8.5% Development Share funds and 91.5% Public Share funds as defined by the Nexus Study and the SANBAG Measure I 2010-2014 Strategic Plan after application of any

buy downs, as noted in Paragraphs “H” and “I” in Section V, in accordance with AUTHORITY Measure I Strategic Plan Policy 40001/VS-30.”

3. Delete paragraph B of Section III, entitled “AUTHORITY RESPONSIBILITIES” and replace with the following:

“B. To contribute towards the Construction phase of the PROJECT cost an amount not to exceed \$24,417,225.18, as shown in “Revised Attachment A”. The actual cost of a specific contract may ultimately vary from the estimates provided in Attachment A, however, under no circumstances is the total combined AUTHORITY contribution to exceed \$24,417,225.18 without an amendment to this Agreement.”

4. Delete paragraph J of Section IV, entitled “CITY RESPONSIBILITIES” and replace with the following:

“J. To reimburse AUTHORITY for the Development Share of actual costs incurred for the Construction phase of the PROJECT and up to \$275,000 for SANBAG Project Management as shown in “Revised Attachment A”. The actual cost of a specific contract may ultimately vary from the estimates provided in “Revised Attachment A”, however, under no circumstances is the total combined CITY contribution to exceed \$2,543,266.82 without an amendment to this Agreement.”

5. Delete paragraph I of Section V, entitled “MUTUAL RESPONSIBILITIES” and replace with the following:

“I. CITY has applied to be on the priority list for a Project allocation from the PUC. City will diligently seek to comply with all requirements to submit an allocation request for a \$5 million allocation from the PUC. Should such funding be secured for the project, CITY will request payment from Caltrans. All PUC funds will buy down Project costs and if received, SANBAG will progressively invoice CITY the full amount of PUC allocation.”

6. Replace “Attachment A” with the “Revised Attachment A” which is attached to this Amendment No. 1 and by this reference incorporated herein; and replace all references to “Attachment A” with “Revised Attachment A” throughout Cooperative Agreement No. 15-1001297.
7. Except as amended by this Amendment No. 1, all other terms and conditions of Cooperative Agreement No. 15-1001297 shall remain in full force and effect.
8. The recitals are incorporated into the body of this Amendment No. 1.
9. This Amendment No. 1 may be signed in counterparts, each of which shall constitute an original.
10. The Effective Date of this Amendment is the date AUTHORITY executes this Amendment No. 1.

SIGNATURES ON FOLLOWING PAGE:

**SIGNATURE PAGE TO
AMENDMENT NO. 1 TO
COOPERATIVE AGREEMENT NO. 15-1001297
BETWEEN
SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY
and CITY OF MONTCLAIR**

**SAN BERNARDINO COUNTY
TRANSPORTATION AUTHORITY**

CITY OF MONTCLAIR

By: _____
Robert Lovingood
President, Board of Directors

By: _____
Paul M. Eaton
Mayor

Date: _____

Date: _____

APPROVED AS TO FORM

APPROVED AS TO FORM:

By: _____
Eileen Monaghan Teichert
General Counsel

By: _____
Diane E. Robbins
City Attorney

ATTEST

By: _____
Jeffery Hill
Procurement Manager

By: _____
Andrea M. Phillips
Deputy City Clerk

Attachment: 15-1001297-01 MVGS Coop Amend 1 [Revision 2] (2506 : Monte Vista Grade Separation - City Coop & IFB)

Revised Attachment A

PROJECT DESCRIPTION

The CITY of Montclair and SANBAG propose to construct a grade separation crossing at Monte Vista Avenue Union Pacific Railroad Crossing. The cost estimate for the construction phase of the project is approximately \$26,960,492.00.

PROJECT FUNDING TABLE

Public Share: 91.5%- \$24,417,225.18 before buy downs²

Nexus Development Impact Fee Share (DIF, “Development Share” or “Local Share”): 8.5%- \$2,543,266.82 before buy downs² (including SANBAG project management cost)

Phase	Estimate Cost ¹	Shares per Nexus Study	
		Public Share	Development Share
Construction Management	\$3,315,020.00	\$3,033,243.30	\$281,776.70
Construction Capital	\$23,370,472.00	\$21,383,981.88	\$1,986,490.12
SANBAG Project Management ³	\$275,000.00	\$0.00	\$275,000.00
TOTAL	\$26,960,492.00	\$24,417,225.18	\$2,543,266.82

¹ Estimated Costs are based on April 2016 estimates.

² UPRR project contribution and PUC allocation, if obtained, will buy down total project cost in accordance with Measure I Strategic Plan Policy 40001/VS-30. Buy down amounts will cause proportional adjustment of Public and Development Shares.

³ In accordance with Measure I Strategic Plan Policy VMS-29 and VMS-30 SANBAG Project Management costs are to be paid solely by Development Share.

PROJECT SCHEDULE

Currently the Monte Vista Avenue Grade Separation schedule is as shown here below with approximate milestones:

Milestones	Estimated Completion Date
Environmental Approval	Summer 2013
Plans, Specifications & Estimate (PSE)	Spring 2016
Right of Way (ROW)	Winter 2013
Construction Start	Winter 2017
Completion for Beneficial Use	Summer 2018

Contract Summary Sheet

General Contract Information

Contract No: 16-1001448 Amendment No.: 1 Vendor No.: 450
 Vendor/Customer Name: CTC, Caltrans & City of Montclair Sole Source? Yes No
 Description: TCIF Baseline Agreement for Monte Vista Grade Separation
 Start Date: 07/06/2016 Expiration Date: 03/02/2019 Revised Expiration Date: _____
 Has Contract Term Been Amended? No Yes - Please Explain _____
 List Any Related Contracts Nos.: _____

Dollar Amount			
Original Contract	\$ -	Original Contingency	\$ -
Revised Contract (Inclusive of Prior Amendments)	\$ -	Revised Contingency (Inclusive of Prior Amendments)	\$ -
Current Amendment	\$ -	Contingency Amendment	\$ -
TOTAL CONTRACT VALUE	\$ -	TOTAL CONTINGENCY VALUE	\$ -
		TOTAL DOLLAR AUTHORITY (Contract Value and Contingency)	\$ -

Contract Authorization

Executive Director Date: _____
 Executive Director Action: _____
 Board of Directors Date: 07/06/2016
 Board of Directors Action: Authorize Executive Director to Execute 16-1001448 with Caltrans, CTC and City once Agreement is Finalized

Contract Management: Payable/Miscellaneous

Invoice Warning: 20% Renewals: _____ Type: Capital PAA Other
 Retention: % Maximum Retention: \$ -
 Services: Construction Intrgrnt/MOU/COOP A & E Services Other Professional Services
 Disadvantaged Business Enterprise (DBE) Goal _____ %

Contract Management: Receivable

E-76 and/or CTC Date _____ (Attach Copy) Program Supplement No.: _____
 Finance Letter Reversion Date: _____ EA No.: _____

All of the above MUST be submitted to FINANCE including originals, amendments and miscellaneous transaction changes

Additional Information

Project Manager: Brian Smith

Attachment: 16-1001448-01 CSS [Revision 1] (2506 : Monte Vista Grade Separation - City Coop & IFB)

**TRADE CORRIDORS IMPROVEMENT FUND
PROJECT BASELINE AGREEMENT AMENDMENT #1**

On _____, with CTC Resolution TCIF _____, attached hereto for reference, the California Transportation Commission approved a TCIF Program Amendment to revise fund programming and project schedule of TCIF Project: Monte Vista Grade Separation Project.

The Project Baseline Agreement provision for the Monte Vista Grade Separation Project, effective on March 16, 2016, made by and between the California Transportation Commission, the California Department of Transportation, the City of Montclair, and San Bernardino Associated Governments remains in effect except for the following sections:

4.1 Project Schedule and Cost

See Project Programming Request Form, attached as Exhibit A.

California Department of Transportation
Malcolm Dougherty, Director

California Transportation Commission
Susan Bransen, Executive Director

City of Montclair
Edward C. Starr, City Manager

San Bernardino Associated Governments
Raymond Wolfe, Executive Director

APPROVED AS TO FORM:

Eileen Monaghan Teichert, SANBAG General Counsel

Exhibit A

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised September 2013)

General Instructions

<input checked="" type="checkbox"/> Amendment (Existing Project)					Date:	5/20/16
District	EA	Project ID	PPNO	MPO ID	TCRP No.	
08			1190	20010135		
County	Route/Corridor	PM Bk	PM Ahd	Project Sponsor/Lead Agency		
SBD				San Bernardino Associated Governments (SANBAG)		
				MPO	Element	
				SCAG	LA	
Project Manager/Contact		Phone		E-mail Address		
Brian Smith		(909)884-8276		bsmith@sanbag.ca.gov		
Project Title						
Monte Vista Avenue Grade Separation at UPRR Line						
Location, Project Limits, Description, Scope of Work						
In the City of Montclair construct grade separation at Monte Vista Avenue/Union Pacific Railroad and associated roadway improvements to provide four lanes to traffic and a connector between Monte Vista Avenue and State Street. Pre-construction components previously funded with a combination of Local, Federal and other State funding.						
<input type="checkbox"/> Includes ADA Improvements <input type="checkbox"/> Includes Bike/Ped Improvements						
Component		Implementing Agency				
PA&ED		Montclair, City of				
PS&E		Montclair, City of				
Right of Way		Montclair, City of				
Construction		San Bernardino Associated Governments (SANBAG)				
Purpose and Need						
The purpose of the work is to improve traffic flow, eliminate rail crossing delays and provide adequate levels of service through the year 2025.						
Benefits:						
The project will improve safety, improve emergency vehicle response time, provide efficient movement of goods and mitigate the train/vehicular traffic conflict delays that are expected to worsen through 2025. The project will also improve air quality, lower noise and improve the quality of life for residents and motorists of both the County and the City.						
Project Benefits						
The project will improve safety, improve emergency vehicle response time, provide efficient movement of goods and mitigate the train/vehicular traffic conflict delays that are expected to worsen through 2025. The project will also improve air quality, lower noise and improve the quality of life for residents and motorists of both the County and the City.						
<input type="checkbox"/> Supports Sustainable Communities Strategy (SCS) Goals <input type="checkbox"/> Reduces Greenhouse Gas Emissions						
Project Milestone					Existing	Proposed
Project Study Report Approved						
Begin Environmental (PA&ED) Phase					04/01/02	
Circulate Draft Environmental Document			Document Type CE/CE	/ /		
Draft Project Report					08/27/02	
End Environmental Phase (PA&ED Milestone)					07/19/13	
Begin Design (PS&E) Phase					01/01/03	
End Design Phase (Ready to List for Advertisement Milestone)					03/01/16	
Begin Right of Way Phase					01/01/03	
End Right of Way Phase (Right of Way Certification Milestone)					03/01/16	04/27/16
Begin Construction Phase (Contract Award Milestone)					11/02/16	02/07/17
End Construction Phase (Construction Contract Acceptance Milestone)					01/31/19	05/01/19
Begin Closeout Phase					02/02/19	05/02/19
End Closeout Phase (Closeout Report)					08/01/19	03/05/20

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised September 2013)

Date: 5/20/16

District	County	Route	EA	Project ID	PPNO	TCRP No.
08	SBD,	,	,		1190	
Project Title: Monte Vista Avenue Grade Separation at UPRR Line						

Existing Total Project Cost (\$1,000s)									Implementing Agency
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	
E&P (PA&ED)									Montclair, City of
PS&E									Montclair, City of
R/W SUP (CT)									Montclair, City of
CON SUP (CT)									San Bernardino Associated
R/W									Montclair, City of
CON			22,753					22,753	San Bernardino Associated
TOTAL			22,753					22,753	

Proposed Total Project Cost (\$1,000s)									Notes
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON			26,685					26,685	
TOTAL			26,685					26,685	

Fund No. 1:	State Bond - Trade Corridor Program (TCIF)								Program Code
Existing Funding (\$1,000s)									20.XX.723.000
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency
E&P (PA&ED)									Caltrans
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON			2,113					2,113	
TOTAL			2,113					2,113	

Proposed Funding (\$1,000s)									Notes
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON			2,113					2,113	
TOTAL			2,113					2,113	

Fund No. 2:	Demo - Demonstration-State TEA21 (DEMOS21)								Program Code
Existing Funding (\$1,000s)									20.30.010.680
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency
E&P (PA&ED)									San Bernardino Associated Gove
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON			12,152					12,152	
TOTAL			12,152					12,152	

Proposed Funding (\$1,000s)									Notes
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	
E&P (PA&ED)									PNRS funds
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON			14,715					14,715	
TOTAL			14,715					14,715	

Attachment: 16-1001448-01 TCIF baseline agreement amendment monte vista GS [Revision 1] (2506 : Monte Vista Grade Separation - City Coop

Fund No. 3: Local Funds - SBD Co Measure I (XSBD)									Program Code	
Existing Funding (\$1,000s)									20.XX.400.100	
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency	
E&P (PA&ED)									San Bernardino Associated Gov	
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			5,570					5,570		
TOTAL			5,570					5,570		
Proposed Funding (\$1,000s)										Notes
E&P (PA&ED)										
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			2,029					2,029		
TOTAL			2,029					2,029		

Fund No. 4: Local Funds - City Funds (CITY)									Program Code	
Existing Funding (\$1,000s)									20.XX.400.100	
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency	
E&P (PA&ED)									Montclair, City of	
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			1,842					1,842		
TOTAL			1,842					1,842		
Proposed Funding (\$1,000s)										Notes
E&P (PA&ED)										
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			1,752					1,752		
TOTAL			1,752					1,752		

Fund No. 5: Local Funds - Local Transportation Funds (LTF)									Program Code	
Existing Funding (\$1,000s)									20.XX.400.100	
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency	
E&P (PA&ED)									San Bernardino Associated Gov	
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			1,076					1,076		
TOTAL			1,076					1,076		
Proposed Funding (\$1,000s)										Notes
E&P (PA&ED)										UPRR
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			1,076					1,076		
TOTAL			1,076					1,076		

Fund No. 6:		PUC 190							Program Code	
Existing Funding (\$1,000s)										
Component	Prior	14/15	15/16	16/17	17/18	18/19	19/20+	Total	Funding Agency	
E&P (PA&ED)									CPUC	
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON										
TOTAL										
Proposed Funding (\$1,000s)									Notes	
E&P (PA&ED)									PUC 190 fund	
PS&E										
R/W SUP (CT)										
CON SUP (CT)										
R/W										
CON			5,000					5,000		
TOTAL			5,000					5,000		

Attachment: 16-1001448-01 TCIF baseline agreement amendment monte vista GS [Revision 1] (2506 : Monte Vista Grade Separation - City Coop

Minute Action

AGENDA ITEM: 7

Date: June 9, 2016

Subject:

Amendment 1 to Southern California Gas Company Utility Agreement No. C12204 for the Interstate 215 Bi-County Project

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Amendment No. 1 to Utility Agreement No. C12204 with the Southern California Gas Company (Gas Company) for an additional amount of \$299,121.12 for a new amended total contract amount of \$2,699,121.12 for actual costs incurred for the relocation of a 12-inch natural gas high pressure main on the Interstate 215 (I-215) Bi-County Project.

Background:

In June 2012, at the onset of the Right of Way phase for the I-215 Bi-County Project, the Board approved Utility Agreement No. C12204 with the Gas Company for the relocation of a 12-inch high pressure gas main that was in conflict with the project. Based on an analysis performed by SANBAG's Right of Way consultant and Caltrans staff, it was determined that the Gas Company had prior rights and the liability for costs related to the relocation of this 12-inch gas main was to be 100% project cost. The agreement specified that SANBAG would pay actual costs and the agreement would be amended if the actual costs exceeded 125% of the estimated cost.

The gas line relocation work was performed in 2015 and was coordinated with the I-215 Bi-County construction. The relocation was monitored by SANBAG's Right of Way consultant and Caltrans, and the work was performed according to plan along the designed alignment. However, the Gas Company encountered several unforeseen constructability issues that resulted in higher actual costs than what was estimated for the agreement. The Gas Company attributes the cost increase to several factors which are listed below:

- Some sections of pipe had to be located deeper than expected due to unforeseen conflicts with other buried utilities and infrastructure. This required shoring the trench, causing delays to the schedule and additional cost.
- The plan assumed that only the trenched portion of La Cadena Drive would be repaved, however, the entire width of the street had to be repaved due to more extensive trenching.
- In some areas, borings were required in order to avoid impacts to traffic. The original plan did not account for borings.
- Because borings were required for some areas, about 500 feet of pipe had to be coated.
- Due to proximity to high voltage wires, the gas line pipes had to be demagnetized before installation for safety purposes.

Entity: CTA

Board of Directors Metro Valley Study Session Agenda Item

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- Lane closures and additional traffic control activities were not anticipated but were required to accommodate the excavation and shoring of trenches.

The Gas Company's constructability challenges resulted in additional cost of \$299,121.12 beyond the estimated cost in the agreement. The cost schedule and invoices detailing the actual costs incurred by the Gas Company have been reviewed and verified by SANBAG's Right of Way consultant. Staff is recommending that the Board approve Amendment No. 1 to C12204 in order to reimburse the Gas Company for actual costs related to utility relocation necessary for the I-215 Bi-County Project.

Concurrently, staff is performing an audit of the Gas Company's billing related to C12204 to ensure that all the costs under the invoiced amount are eligible costs under the agreement. According to the agreement, if the audit determines any of the costs to be unallowable, the Gas Company will reimburse SANBAG. The cost increase associated with this amendment is consistent with the programmed costs for the Right of Way phase of the I-215 Bi-County Project.

Financial Impact:

This item is consistent with the 2016/2017 Fiscal Year Budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendment.

Responsible Staff:

Dennis Saylor, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

AMENDMENT NO. 1 TO CONTRACT NO. C12204

UTILITY AGREEMENT

BY AND BETWEEN

SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY

AND

SOUTHERN CALIFORNIA GAS COMPANY

FOR

I-215 BI COUNTY PROJECT

This AMENDMENT No.1 to Utility Agreement No. C12204 is made by and between the San Bernardino County Transportation Authority (referred to hereafter as "Agency") and Southern California Gas Company (hereinafter referred to as "Owner"). Agency and Owner are each a "Party" and collectively the "Parties" herein.

RECITALS:

WHEREAS, Agency and Owner, previously executed a Utility Agreement on or about March 21, 2013 ("AGREEMENT") setting forth the terms and conditions of the relocation of certain of Owner's Facilities as required by Agency's I-215 Bi County HOV Gap Project; and

WHEREAS, in the performance of said work, increased costs over and above those estimated at the time of the execution of said Agreement were incurred due to the following factors:

- Paving costs were higher than anticipated due to an unanticipated requirement to repave the entire lane width of La Cadena Drive rather than just the trenched portions;
- Because a portion of the pipe that was installed was bored in to avoid traffic impacts, approximately 500' of pipe had to be sent out to be coated prior to boring;
- Digging was deeper than anticipated in several locations due to unanticipated substructures resulting in increased shoring costs and increased number of working days;
- Due to new California Public Utilities Commission regulations, additional inspections and reporting were required for work by Owner's welding contractor resulting in the need for extra welders and increased number of working days to accommodate inspections;
- High-power electrical lines magnetized stockpiled pipes which had to be demagnetized before installation;
- Soil conditions were poor, with loose soil and added depth in many locations causing cave-in issues and difficulty with shoring and pipe installation;
- Mismarked utility lines that were encountered during the work increased the number of working days; and
- Additional coordination with City of Colton inspectors for lane closures and added traffic control requirements resulted in additional time to set up and take down traffic control measures; and

WHEREAS, it has been determined that, since final costs have overrun the amount shown in said

Agreement by 40%, and when the increased cost exceeds by 25% the estimated amount set forth in said Agreement, said Agreement shall be amended to show the increased cost of the work to the Agency; and

WHEREAS, the estimated cost to the Agency of the work to be performed under said Agreement was \$1,920,000.00, and by reason of the increased costs referred to above, the amended estimated cost to the Agency is \$2,699,121.12.

NOW, THEREFORE, the Parties agree to amend the Agreement as follows:

1. The estimated cost to the Agency of \$1,920,000.00 as set forth in said Agreement is hereby amended to read \$2,699,121.12.
2. All other terms and conditions of said Agreement remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment to Utility Agreement No C12204 the date executed by Agency below.

**SAN BERNARDINO COUNTY
TRANSPORTATION COMMISSION**

SOUTHERN CALIFORNIA GAS COMPANY

By: _____
Ryan McEachron
Board President

By: _____

Name: _____

Its: _____

Date: _____

Date: _____

APPROVED AS TO FORM:

By: _____
Eileen Monaghan Teichert
General Counsel

RECOMMEND FOR APPROVAL:

By: _____
Pete Castellan
Overland, Pacific, and Cutler

Attachment: C12204-01 [Revision 3] (2660 : I-215 Bi-County: SCG Utility Agreement Amendment 1 (C12204))

Minute Action

AGENDA ITEM: 8

Date: June 9, 2016

Subject:

Legal Advisor Services for the Interstate 10 (I-10) and Interstate 15 (I-15) Corridor Projects

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Commission at a regularly scheduled Board meeting:

- A. Approve award of Contract No. 16-1001447 with Nossaman, LLP for Legal Advisor Services for I-10 Contract 1 in an amount not to exceed \$4,175,000.
- B. Approve a contingency amount for Contract No. 16-1001447 of \$417,500 and authorize the Executive Director or designee to release contingency as necessary for the project.

Background:

This is a new contract.

The I-10 Corridor Project is studying a single-lane High Occupancy Vehicle (HOV) Alternative and dual-lane Express Lanes Alternative while the I-15 Corridor Project is studying a dual-lane Express Lanes Alternative to address the growing traffic demand along these two corridors. Should Express Lanes be selected as the Preferred Alternative for the I-10 and I-15 Corridor Projects, there are a number of project development tasks needed to advance the projects through the project development phase to the start of construction. These tasks include financial, legal and project management services.

During the July 2015, Board meeting, the Board approved the procurement of Investment Grade Traffic and Revenue services and Financial Advisor services, and both of these contracts are now underway in support of the Corridor Projects. Legal Advisor services will also be required to support and advance the projects through the procurement process, and to support the projects during construction.

The Legal Advisor will provide legal assistance in guiding these projects to successful award and implementation of design-build (DB) contracts under two-step "Best Value" procurements for construction of the Corridor Projects, and of a DB contract for the Tolling System. The Legal Advisor would also provide legal advice and review pertaining to the many agreements required to implement the projects, including agreements with Caltrans, California Highway Patrol (CHP) and other agencies. The Legal Advisor services would not include right of way or project financing issues which will be provided by right of way legal counsel and bond counsel.

Recommendation A: During the February 2016 meeting, the SANBAG Board authorized the release of a Request for Proposals (RFP) for Legal Advisor Services for the I-10 and I-15 Corridor Projects. RFP 16-1001447 was released on February 3, 2016, and posted on SANBAG's website. The RFP was downloaded by approximately twelve (12) firms registered

Entity: CTC

on Planet Bids. The solicitation was issued in accordance with current SANBAG policies and procedures for procurement of professional services. Addendum No. 1 was issued on February 18, 2016, which included federal forms for firms to submit with their proposal; and revised the contract template to include federal provisions.

Three (3) proposals were received by the date and time specified in the RFP. Two (2) additional proposals were received after the date and time specified in the RFP; those two (2) proposals were returned to the firms unopened since they were not received prior to the proposal submission deadline. A responsiveness review was conducted by the Procurement Analyst and found the three (3) proposals submitted prior to the proposal submission deadline to be responsive. The following is a summary of the events that transpired in the evaluation and selection process.

The proposals were disseminated to all evaluation committee members. A copy of the Score Sheets and the Declaration of Impartiality and Confidentiality form were also distributed to the committee members. The Evaluation Committee was comprised of four (4) SANBAG staff. Evaluators concluded their individual review of the proposals and convened to review, discuss and score the proposals. The Evaluation Committee members met on March 16, 2016, and discussed each proposal according to the evaluation criteria, including the proposals' strengths and weaknesses. At the completion of discussions the committee members individually scored the proposals based on evaluation set criteria.

The firms were ranked in order of technical merit, and a short-list was developed. Of the three firms submitting proposals, the following two firms were short-listed and invited to interview (in alphabetical order): Best Best & Krieger, LLP (BB&K) and Nossaman, LLP. Minor variances in the criteria scores were noted and discussed. Full detail of the scores is included in the Contract Audit File.

Interviews were conducted with the short-listed firms. Interviews were 50 minutes in length; which consisted of a 15 minute 'opening statement' by the firms, followed by 30 minutes of questions and answers, and 5 minutes of 'closing statements' by the firms. At the completion of the interviews, the Evaluation Committee separately scored the interviews.

The highest ranked firm, Nossaman, LLP, was selected due to their:

- Experience with design-build procurements that includes projects throughout the country;
- Extensive knowledge and experience with managed lanes throughout the State of California;
- Understanding of the core issues involved with managed lanes projects;
- Work approach to resolve key issues throughout each phase of the project.

As a result of the scoring, the evaluation committee recommends that the contract to perform the scope of work as outlined in the RFP 16-1001447 be awarded to Nossaman, LLP. The firm ranked first in overall score, and clearly demonstrated a thorough understanding of the scope of work. Evaluation forms and reference checks are located in the Contract Audit File.

Staff has worked with Nossaman, LLP in finalizing a scope of services and negotiating a cost proposal appropriate to the defined scope. An independent cost estimate was prepared to aid in this process. The Scope of Work is included with this agenda item.

The Legal Advisor will develop procurement documents, and provide legal advice for the procurement process and supporting agreements for the DB Highway Improvements contract for I-10 Contract 1 (Los Angeles County Line to I-15). At approximately the same time, the Legal

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June 9, 2016

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Advisor will also develop documents and provide legal advice for the procurement of the Toll System for I-10 Contract 1, which would include installation of the tolling system and operation of the tolling system for the initial three to five years. The Tolling System procurement may also contain options to include I-10 Contract 2 and I-15 Project 1 in order to maintain consistency between Express Lanes projects. The Legal Advisor's fee for these two major procurements is included in this contract, the timing of which is summarized as follows:

- I-10 Contract 1: Civil Highway Improvements (2nd Half 2016-2017)
- I-10 Contract 1: Tolling System Installation and Operation (2nd Half 2016-2017)

The Legal Advisor contract would also include options for the Legal Advisor to provide similar services for I-10 Contract 2 (I-15 to Ford Street) and I-15 Project 1 (State Route 60 to State Route 210), which would follow the completion of I-10 Contract 1 procurements and agreements. The approximate timing of these two Contract options is summarized as follows:

- I-10 Contract 2: Civil Highway Improvements (2018-2019)
- I-15 Project 1: Civil Highway Improvements (2018-2019)

The fee for these two Contract options is not included in the subject recommendation, given the variability in the procurement process and the future timing of this work. This fee cannot be fully confirmed at this time since a number of assumptions and other variables are anticipated to change over the next four years. Therefore, staff recommends developing a final scope and fee when these unknown conditions and project variables are understood more fully.

The proposed cost for I-10 Contract 1 is a not-to-exceed amount of \$4,175,000, and the duration of the contract will run through December 31, 2024.

Recommendation B: Due to the length of the contract and the nature of procurement process to be performed, there may be additional items that come up during the course of contract performance which are not currently defined, or require a higher level of effort. For these reasons, it is recommended to provide a contingency amount of \$417,500 and authorize the Executive Director, or his designee to release contingency as required for the project.

Financial Impact:

This item is consistent with the adopted SANBAG Fiscal Year 2016/2017 budget under Task Number 0823. The funding source is Measure I Valley Freeway Funds.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and a draft of the contract.

Responsible Staff:

John Meier, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Contract Summary Sheet

General Contract Information

Contract No: 16-1001447 Amendment No.: - Vendor No.: 01519
Vendor/Customer Name: Nossaman, LLP Sole Source? Yes No
Description: Legal Advisor Services for the I-10 and I-15 Corridor Projects
Start Date: 07/06/2016 Expiration Date: 12/31/2024 Revised Expiration Date:
Has Contract Term Been Amended? X No Yes - Please Explain
List Any Related Contracts Nos.:

Table with 4 columns: Contract Type, Dollar Amount, Contingency Type, Dollar Amount. Rows include Original Contract, Revised Contract, Current Amendment, and TOTAL CONTRACT VALUE.

Contract Authorization

Executive Director Date:
Executive Director Action:
Board of Directors Date: 07/06/2016
Board of Directors Action: Approve Contract 16-1001447

Contract Management: Payable/Miscellaneous

Invoice Warning: 20% Renewals: Type: Capital PAA Other
Retention: % Maximum Retention: \$
Services: Construction Intragnt/MOU/COOP A & E Services Other Professional Services
Disadvantaged Business Enterprise (DBE) Goal n/a

Contract Management: Receivable

E-76 and/or CTC Date (Attach Copy) Program Supplement No.:
Finance Letter Reversion Date: EA No.:

All of the above MUST be submitted to FINANCE including originals, amendments and miscellaneous transaction changes

Additional Information

Contract Manager: Eileen Teichert
Project Manager: John Meier

Attachment: CSS-C16-1001447 (2873 : Legal Advisor Services for the I-10 and I-15 Corridor Projects)

EXHIBIT A - SCOPE OF SERVICES

General Description of Projects and Services

The I-10 and I-15 corridors represent critical routes for commuter, recreational and goods movement traffic across the greater Los Angeles region, and are two of the most heavily utilized corridors within San Bernardino County. Both of these corridors experience regular congestion along certain segments, and this congestion is expected to worsen as San Bernardino County continues to grow. The San Bernardino County Transportation Commission (SBCTC) is studying a single-lane High Occupancy Vehicle (HOV) Alternative and a dual-lane Express Lanes Alternative for the I-10 Corridor Project, and is studying a dual-lane Express Lanes Alternative for the I-15 Corridor Project, to address the growing traffic demand along these two corridors.

The provision of legal services described in this Scope of Services is contingent upon Caltrans' selection of the Express Lanes Alternative as the Preferred Alternative during the environmental review process. The Legal Advisor selected for the I-10 and I-15 Corridor Projects, referred to herein as ATTORNEY, will assist in guiding these projects to successful award and implementation of design-build (D/B) contracts under two-step "Best Value" procurements for construction of the Corridor Projects listed below, and of one to three toll services contracts for Toll Facilities Systems Integration and Operation (Toll Facilities Systems) for the I-10 Corridor Project. It is possible that only one toll service contract will be procured and such contract may have an option for I-10 Corridor Project Contract 2 and the I-15 Corridor Project. In addition, ATTORNEY will provide appropriate legal services as it pertains to cooperative agreements with various governmental entities and jurisdictions that are necessary for the implementation of the Corridor Projects.

Under California Streets and Highways Code Section 149.11 (AB 914-2014) SBCTC has authority to build and operate express lanes on the I-10 and I-15 Corridors. SBCTC's authority to use the design-build method of procurement to design and construct the Corridor Projects is pursuant to Chapter 6.5 of the Public Contract Code (AB 401-2013).

The ATTORNEY services required under this Scope of Services are not currently anticipated to include environmental, right of way or project financing (bonds, TIFIA loans, short-term notes, etc.) legal services.

Projects Descriptions

I-10 Corridor Project

It is currently anticipated that the I-10 Corridor Project will be delivered in two contracts through two separate contract packages and procurements, known as I-10 Contract One (Los Angeles County Line to I-15) and I-10 Contract Two (I-15 to Ford Street). It is currently anticipated that a total of three separate contracts would be awarded for the I-10 Corridor Project--two D/B contracts for the highway improvements and one toll services contract for the Tolling Facilities System. It is possible that different packaging of the I-10 Corridor Project may occur which would modify the above.

Major anticipated project milestones for the I-10 Corridor Project Contract 1 are currently as follows:

- Submit Transportation Infrastructure Finance and Innovation Act (TIFIA) Letter of Interest – (Mar 2016)
- Circulate Draft Environmental Document (Contracts 1 and 2) (April 2016)
- Caltrans' Designation of Preferred Alternative (Contracts 1 and 2) (June 2016)
- Release of RFP to select Project/Construction Manager (July 2016)
- TIFIA Creditworthiness Review – (2nd Quarter 2016)
- Begin Design-Build (D/B) procurement – RFQ Release (Nov 2016)
- Release D/B Draft RFP – (1st Quarter 2017)
- Caltrans Environmental Approval of Project (Contracts 1 and 2) (2nd Quarter 2017)
- Release D/B Final RFP – (3rd Quarter 2017)
- SBCTC Awards D/B Contract (1st Quarter 2018)
- Financial Close – (1st Quarter 2018)
- Construction -- (2019 to 2022)

Major anticipated project milestones for the I-10 Corridor Project Contract 2 are currently as follows:

- Circulate Draft Environmental Document (Contracts 1 and 2)(April 2016)
- Caltrans Environmental Approval of Project (Contracts 1 and 2) (2nd Quarter 2017)
- Submit Transportation Infrastructure Finance and Innovation Act (TIFIA) Letter of Interest – (2018)
- Release of RFP to select Construction Manager (2018)
- Begin Design-Build (D/B) procurement – RFQ Release (2018)
- Release D/B Draft RFP (2019)
- SBCTC Awards D/B Contract – (2020)
- Financial Close – (2020)
- Construction -- (2021 to 2024)

I-15 Corridor Project

The I-15 Corridor Project is considering the implementation of two Express Lanes in each direction from State Route 60 to US-395. The first contract of the I-15 Corridor Project, from State Route 60 (SR-60) to State Route 210 (SR-210), known as I-15 Project One, initiated Project Approval/Environmental Document (PA/ED) in October 2014. Environmental and engineering analysis of the I-15 corridor from SR-210 to US-395 is not anticipated to start for several years, and therefore legal services for that segment of the I-15 Corridor are outside the scope of this Contract. Major anticipated project milestones for I-15 Project One (SR-60 to SR-210) are currently as follows:

- Circulate Draft Environmental Document (1st Quarter 2017)
- Caltrans Designation of Preferred Alternative (2nd Quarter 2017)
- Environmental Approval (4th Quarter 2017)
- Submit Transportation Infrastructure Finance and Innovation Act (TIFIA) Letter of Interest – (2018)
- Release of RFP to select Construction Manager (2018)
- Begin Design-Build (D/B) procurement – RFQ Release (2018)
- Release D/B Draft RFP (2019)
- SBCTC Awards D/B Contract – (2020)
- Financial Close – (2020)
- Construction -- (2021 to 2024)

Scope of Services

1.0 General Scope of Services

ATTORNEY will undertake the following activities with respect to the Corridor Projects.

- 1.1. Research, review ensure compliance with the existing laws, policies, procedures, standards, and requirements of SBCTC, CALTRANS, and local and regulatory agencies that are applicable to and govern the procurement, design, and construction of the Projects.
- 1.2. Provide advice on necessary legislation, if any, to authorize the Projects and allow SBCTC to utilize and optimize its desired delivery and procurement methods including providing input, if necessary, on legislative strategy.

2.0 D/B and Toll Services Procurements and Contracts

The following applies to each of the separate procurements and D/B contracts for civil construction of I-10 Corridor Project Contract 1, I-10 Corridor Project Contract 2 and I-15 Corridor Project 1, and to the procurement and toll services contract for the Toll Systems Facilities Integrator and Operator.

For the D/B contracts and design and civil construction of the Projects, ATTORNEY will provide legal advice on project activities relating to the accomplishment of each project's design-build milestones from the D/B procurement and contract award, to the commencement, duration and close-out of construction.

For the Toll Systems Facilities Integrator and Operator contract, ATTORNEY will provide legal advice from drafting and review of the procurement documents through to award and implementation of the toll services contract with the Toll Systems Facilities Integrator and Operator.

- 2.1 RFQ, Contract and ITP Development – ATTORNEY shall assist with the development of the procurement and contractual documents for review and approval by SBCTC. ATTORNEY will coordinate with the Program Manager on such documents and shall review and comment on the technical provisions (TPs) prepared by the technical advisor. ATTORNEY shall draft and review these document to ensure compliance with all policies and procedures and legal requirements applicable to SBCTC. ATTORNEY shall provide support to the contract development as-needed and shall assist in the development of the contract documents and subsequent advice and counsel. Typical level of efforts may include: attendance at Risk Analysis, Legal and Financial Workshops; advisory role on state and federal requirements; develop Request for Qualifications (RFQ), develop main contract documents; develop Instructions to Proposers (ITP) and review and comment on TPs and support for a variety of topics, including Clarifications and Addenda. Following the I-10 Corridor Project Contract 1, SBCTC and ATTORNEY shall reassess whether ATTORNEY shall continue as the primary drafter of the RFQ and ITP documents for I-10 Corridor Project Contract 2.
- 2.2 Insurance Requirements – ATTORNEY, through its subconsultant, shall assist the Program Manager in providing an assessment of each Project scope, criteria, and risks necessary to develop a comparative analysis regarding the options for providing Project insurance, whether a standard practice program, OCIP, CCIP or other available and innovative marketable options. Assist in providing review, analysis and recommendations regarding the insurance statements and proposals submitted by D/B teams as part and in support of the procurement process.
- 2.3 Risk Assessment – Assist with the implementation of a risk assessment and determining the likelihood and impacts of the various risks on the procurement and contract process.
- 2.4 Procurement Process Development – The ATTORNEY shall assist in structuring the procurement process to maximize the benefits that the D/B and toll services industries and D/B and toll services teams bring to each Project while still meeting the requirements. This shall incorporate a process that is well defined, transparent, and that allows for confidential free-flow of ideas. The procurement process shall incorporate an optional Request for Letters of Interest (RFLOI) (which is not anticipated for the I-10 Corridor Project Contract 1), a RFQ , industry review including a Draft Request for Proposal (DRFP), and a Final Request for Proposal (FRFP).
- 2.4.1 Request for Qualifications (RFQ)
- a) The ATTORNEY shall review any RFLOI prepared by others for advertisement by SBCTC. The RFLOI will provide general information about each Project and invite interested teams to be placed on a contact list for the Project.
 - b) Prior to the release of a RFQ, ATTORNEY will assist in the identification and development of appropriate contractual requirements through discussions with the Program Manager and SBCTC.

- c) ATTORNEY shall also participate in an evaluation workshop to develop criteria that will be used to develop evaluation criteria to assist in shortlisting potential proposers' Statements of Qualifications (SOQs). Evaluation criteria could include experience, qualifications, personnel, and financial capacities.
- d) ATTORNEY shall assist in the coordination with SBCTC, and its stakeholders, to help develop a transparent process to evaluate SOQs. ATTORNEY shall assist in developing an RFQ Evaluation Manual and help facilitate an evaluation training session with mandatory attendance for all evaluators to review the final evaluation process and to understand the importance of confidentiality. Confirmation that the RFQ, shortlisting and evaluation documents and processes meet applicable laws will be provided by the ATTORNEY.

2.4.2 Industry Review Process – ATTORNEY shall assist in the development of the Draft Request for Proposal (DRFP) documents, including draft contract and ITP. Key aspects as a part of the industry review process shall include:

- a) Issuing DRFP – After publishing a DRFP to the shortlisted teams, which shall include a draft ITP, draft contract and draft TPs, facilitate feedback from the various shortlisted proposer teams on the terms, conditions, and technical requirements. This feedback from the industry shall provide valuable information that can be used to optimize the risk profile for the Project, clarify any unclear requirements, and improve the clarity of proposals to maximize the benefit to the project.
- b) One-on-One Meetings – Assist SBCTC with facilitating and participating in one-on-one meeting with shortlisted teams. It is contemplated that each procurement shall have one industry review one-on-one meeting with each shortlisted team. If there are four shortlisted teams, that would mean four one-on-one meetings per procurement.
- c) Internal Q&A - The D/B teams shall have the opportunity to submit questions, comments and requests for clarification. ATTORNEY shall assist in the development of internal responses and action items on the basis of such inputs from the proposer teams.
- d) Finalization Process – ATTORNEY shall assist in the finalization of the RFP documents based on input received during industry review and shall assist SBCTC in coordinating any approvals and authorizations for issuance required from Caltrans and FHWA.

2.4.3 Final Request for Proposals (FRFP) – ATTORNEY shall assist in developing the FRFP documents including the Instructions to Proposers (ITP), the Contract and the Technical Provisions (TP).

- a) Instructions to Proposers (ITP) – The ITP shall provide the road map for the proposal process to shortlisted proposer teams. It includes the rules of the process, proposal submittal requirements, and evaluation criteria. A well-structured proposal process shall bring to the project significant advantages and attract suitable shortlisted proposer teams. The following shall be included in the procurement process to maximize these benefits:
- 1) Proposal Criteria Workshop – to establish an outline of the proposal submittal requirements, evaluation criteria, relative weighting of evaluation criteria, and legal pass/fail requirements;
 - 2) Alternative Technical Concepts (ATC) – this component shall allow the D/B teams to propose equal or better solutions to those required under the D/B FRFP and will maximize the opportunity for innovation and their means and methods. It is anticipated that the ATC process will apply to the D/B procurements, but not the toll services procurements; and
 - 3) Legal requirements and legal pass/fail submittal requirements of the ITP will be provided. Confirmation that the ITP meets applicable laws will be provided by the ATTORNEY.
- b) Contract - ATTORNEY shall be the primary drafter of the D/B contract and the toll services contract, with technical input supplied by SBCTC and the technical advisor. In follow-up sessions to the initial risk management exercise, ATTORNEY shall provide support to identify ways to mitigate risk in the Contract and shall provide input to allocate any remaining risks to the party best able to handle each element of risk. ATTORNEY will provide input into the content and support coordination of the contents of the Contract with the other elements of the RFP.
- c) Technical Provisions – The technical advisor will be the primary drafter of the TPs. The TPs are made up of sections divided into administrative, design, and construction requirements of the RFP. This document establishes the scope of work, technical requirements, and interpretation of standards that the design-builder shall follow to successfully deliver each Project. ATTORNEY will review and comment on the TPs and work with the technical advisor on TP and contract integration.
- d) Supporting Documents – The technical advisor will have primary responsibility for supporting documents. The standards for design and construction that SBCTC, CALTRANS and others have provided will be assembled and indexed. The technical Task Forces will review industry standards, CALTRANS standards, SBCTC standards, and other related agency standards to confirm their applicability to each Project. During this

review, the Task Forces will determine if any modifications are necessary to apply each standard to D/B and toll services delivery. ATTORNEY will provide advice as needed regarding supporting documents.

- e) Reference Materials - The technical advisor will have primary responsibility for reference materials. The available data and information that SBCTC, CALTRANS and others have provided as relevant to the Project shall be compiled and organized so that it is made available to the shortlisted proposer teams in preparing their proposals and delivering the Project. This information will be presented in the Reference Materials portion of the RFP. ATTORNEY will provide advice as needed regarding reference materials.
- 2.4.4 Client and Agency Reviews - As part of the overall procurement process, the ATTORNEY shall meet, as needed, with the Program Manager, SBCTC, CALTRANS and/or FHWA and other relevant agencies and establish a formal review process for all procurement documents including ATCs, Clarifications and Addenda. As part of this formal review process, a secure and confidential site shall be developed by the technical advisor and utilized to effectively help in communicating with prospective reviewers throughout the procurement process.
- 2.4.5 One-on-One Meetings for each shortlisted proposer team – to provide their comments and input and ATC ideas, as applicable, in a confidential environment. It is anticipated that, for the D/B procurements, there will be 3 one on one meetings per shortlisted proposer team following issuance of the FRFP, two related to the documents and one related to ATCs. For the toll services procurements, it is anticipated that there will be one (1) one-on-one meeting per shortlisted proposer team following issuance of the FRFP.
- 2.4.6 ATCs, Addenda and Clarifications - ATTORNEY shall support, as necessary, the Program Manager to manage the ATC process (for the D/B procurements), Addenda and Clarification components of the procurement process, including the following:
- a) Provide support as required during the confidential one-on-one meetings, including preparing agendas and minutes. Two (2) ATC Meetings following issuance of the FRFP (one for concept ATCs and one for ATCs) are anticipated for four (4) anticipated D/B shortlisted proposer teams, for a total of eight (8) meetings;
 - b) Review ATC response letters, including any conditional approval letters; and
 - c) Management of the responses to RFP questions, clarifications, and preparation of any required addenda. Content for responses to requests for clarification and production of the addenda material will be completed by

the entity that prepared the applicable portions of the original document
 Legal review and confirmation that such responses meet applicable laws
 will be provided by ATTORNEY.

2.4.7 Proposal Evaluation and Award – ATTORNEY shall assist in developing a transparent and defensible process to evaluate proposals. ATTORNEY will facilitate a training session with required attendance for all evaluators prior to beginning the evaluation of proposals where the evaluation process and confidentiality requirements shall be clearly communicated. A panel of evaluation process facilitators will oversee the actions of the evaluation team to assure that the process is followed and confidentiality is maintained. Confirmation that the RFP and evaluation processes meet applicable laws will be provided by ATTORNEY.

2.4.8 Negotiations. The ATTORNEY shall assist, as necessary, in the negotiation process, including conforming the D/B and toll services contracts to reflect any changes that arise in the negotiations process and final execution of the applicable contracts. Legal review and confirmation that such negotiations and changes in the D/B and toll services contracts meet applicable laws will be provided by the ATTORNEY.

3.0 Agreements

Prepare and/or assist in the preparation of other non-procurement agreements required for the Projects. The agreements will be with various public agencies such as CALTRANS, and governmental entities involved in the Projects.

4.0 Miscellaneous Information

- 4.1 Services listed above may be reduced or eliminated if an Express Lanes Alternative is not ultimately selected for one or more of the identified Projects, or if one or more of the project schedules are delayed beyond the duration of this CONTRACT.
- 4.2 ATTORNEY shall attend meetings and participate in conference calls, related to the Projects when requested.
- 4.3 Services to support SBCTC to provide monitoring of the CONTRACTOR's performance and compliance with D/B and toll services contract requirements during the contract administration/implementation period are included in the scope of this Contract.
- 4.4 ATTORNEY shall provide such other services or advice related to the Projects as requested by SBCTC.
- 4.5 Prior to commencing work on a new task within the scope of services, ATTORNEY shall first obtain the written consent of SANBAG General Counsel

Minute Action

AGENDA ITEM: 9

Date: *June 9, 2016*

Subject:

New Procurement for Interstate 10 Corridor Contract 1 Project Management and Construction Management Consultant Contract

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Release of Request for Proposals (RFP) No. 16-1001530 for the procurement of the Interstate 10 (I-10) Corridor Contract 1 Project Management Construction Management (PCM) Consultant.

Background:

The I-10 Corridor Project is currently in the environmental phase and is progressing toward approval with the Record of Decision (ROD) expected in summer 2017. As preliminary engineering work continues and the Draft Environmental Document public circulation period is closing, staff is now coordinating closely with Caltrans on the next step to deliver this project including procurement of a Project Management Construction Management (PCM) consultant team. This agenda item will serve to initiate this procurement by circulating the RFP in seeking a robust PCM consultant team to manage the delivery of the first phase of the I-10 Corridor, designated as I-10 Contract 1, which also includes the Monte Vista Interchange. The I-10 Contract 1 project, in alignment with the Locally Preferred Alternative selected by the Board in July 2014, is planned to implement ten miles of express lanes in each direction from the Los Angeles County line to the I-15 utilizing a design-build delivery. The PCM consultant will be responsible for leading the project management and construction management efforts for two separate contracts that include:

- I-10 Contract 1 Highway Civil Design and Construction (Design-Build) Contract, and
- Toll System Design, Installation, Integration and Operations Contract.

As described in the draft Scope of Work, the PCM will provide oversight, support and management for all related design and construction activities for both contracts, as well as being responsible for the right-of-way acquisitions and utilities. The PCM will also play a key role in performing the industry review and outreach to potential contractors as well as the development of the final technical provisions, RFP and related design-build contract documents. Note, the contract language allows for Termination for Convenience in the event the I-10 Contract 1 project does not proceed.

Entity: CTA

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As required by State Assembly Bill No. 401, the State is required to perform specific duties related with Independent Quality Assurance (IQA) inspection and testing for any design-build project on the State Highway System, including the I-10 Contract 1. As a result, staff has been coordinating closely with Caltrans to better understand their anticipated roles and responsibilities in delivering the project. Staff has also been monitoring other similar projects currently progressing forward to gather advice and lessons learned from other design build projects. One of the primary lessons learned from other similar projects is that there can often be overlapping duties and responsibilities by the team in performing project IQA reviews, inspections, and related audits being performed by either the PCM or Caltrans staff that lead to confusion and inefficiencies. Additionally, there may also be project delays if reviews and audits are performed in sequence, not concurrently performed, by the PCM than the Caltrans staff for design and construction work.

Simultaneously, staff is discussing several similar projects with Caltrans, including the very successful Devore project recently completed, to develop a preliminary project team model, organizational structure, roles and responsibilities and issue resolution ladder to help achieve successful project delivery. Fortunately, staff is greatly benefited from working with some of the same Caltrans District and Headquarters team members that successfully led the Devore project in order to identify specific strategies that helped build a cohesive team and successfully completed the Devore design build project. Considering this, staff has developed preliminary guiding documents, in coordination with the PCM Scope of Work, aimed at two primary goals – (1) informing potential PCM consultants of the contract requirements, and (2) developing a preliminary, streamlined strategy to build one cohesive “I-10 Contract 1 Team” for successfully completing all related design, right of way and construction activities.

A draft Scope of Work is included with this item as Attachment 1. The preliminary estimate cost range for this contract is approximately \$24 to \$27 Million. This excludes the Caltrans IQA efforts required per AB 401. Staff recommends approval to circulate RFP 16-10015830 for the procurement of a PCM consultant firm for I-10 Contract 1. The goal of this procurement is to lead to a new consultant contract resulting in delivery of the I-10 Contract 1.

Financial Impact:

This item is consistent with the 2016/2017 Fiscal Year Budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft RFP.

Responsible Staff:

Chad Costello, Project Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Attachment 1**DRAFT SCOPE OF WORK (SOW) –
I-10 Corridor Contract One**

Project Management Construction Management Consultant (“PCM” or “Consultant”)

San Bernardino Associated Governments (SANBAG), in partnership with the Department of Transportation (Caltrans) and Federal Highway Administration (FHWA), is seeking to procure a comprehensive PCM consultant team to assist with the implementation of San Bernardino County’s initial express lane project, the Interstate 10 (I-10) Corridor Contract One Express Lanes Project (Project). In general, the PCM’s role in completing this SOW for this initial project will require an inherent flexibility and cooperation that will best accommodate SANBAG, including Caltrans as a key advisor and approving agency, to successfully complete this Project as one collaborative team. The PCM management team will require unique capabilities to jointly work together with the Caltrans team, on behalf of SANBAG, to successfully manage the design, construction and implementation of the Project.

This SOW uses the terms Design Build (DB) and Toll System Provider (TSP) throughout to reflect these two primary contracts respectively (or refers to them collectively as the “Contractors”). The PCM scope of work (SOW) assumes that future work related to the planning, procurement, design, construction, installation, testing, operation, and maintenance of the Project is accomplished with two separate design-build contracts:

- Highway civil design and construction contract (DB), and
- Toll system design, installation, integration, operations and maintenance contract (TSP).

At this time, however, this assumption of two primary contracts is preliminary and used in this document simply as a matter of convenience and it is possible that some of these scope items could be combined in the future and there may be more or less than two primary contracts procured. Specific decisions as to how SANBAG will actually procure and deliver these future services have yet to be made. Included in this SOW are PCM services to analyze, recommend, and assist SANBAG in making these future decisions.

Due to schedule or funding constraints the selected Consultant will be required to initiate certain project services for later completion by the DB and/or TSP. Examples of these project services include preliminary design of some project elements, right-of-way (ROW) engineering, toll planning documents, toll operations requirements, etc. Alternatively, the selected Consultant may be required to initiate and complete other project services. Examples of these project services include the completion of the Project Management Plan (PMP), project-wide safety program, etc. Selected Consultant shall work with SANBAG to define the project services where such strategies are applicable and beneficial to the Project.

The Consultant shall assist SANBAG, in coordination with Caltrans, with the planning, procurement, design, construction, installation, testing, operation, maintenance, and general oversight of the Project. The Consultant will provide SANBAG with the agreed upon staff, resources, and expertise to manage the Project. This PCM SOW was written with the intent to describe all planned PCM services to be provided by the Consultant. However, situations may arise where the Consultant will be required to provide additional services not specifically defined in this SOW. SANBAG is open to innovative ideas or methods of performing these additional services and will look for the PCM to provide key advice to meet these challenges. The Consultant will be required to provide assistance to SANBAG, in collaboration with Caltrans as a key team member, to provide these additional services and help assure the successful completion of the Project.

A. Project Management

Under SANBAG's direction, in coordination with Caltrans, provide overall management of Project activities and/or support for agency agreements, procurements and negotiations, contract awards and contract management, project controls, toll system planning and installation, right-of-way (ROW) engineering and acquisition, utility relocation, final design, construction, environmental permitting, safety, quality, public outreach, and other Project activities. These Project management responsibilities include overseeing the activities of the DB, TSP, environmental mitigation, and other contracts further defined in this SOW:

A.1 Project Management

Under SANBAG's direction,

- Represent SANBAG and be the contact for coordination and communication between SANBAG and the DB and TSP. Consultant will be the primary point of contact with SANBAG on all Project and contract-related matters;
- Plan and conduct meetings, cooperate and coordinate with stakeholder agencies including Caltrans, FHWA, regional agencies, and municipalities;
- Coordinate and oversee Project activities and deliverables performed by the DB, TSP, and other contractors associated with the Project;
- Cooperate and coordinate with other SANBAG consultants, financial advisors, legal advisors, and contractors to achieve completion of Project development activities; and
- Develop, monitor compliance, and maintain a commitment register and log based on the commitments and obligations with Federal, State, and Local agency requirements contained in the environmental document and all applicable agreements.

A.2 Project Administration

Under SANBAG's direction, provide administrative personnel and perform general office management and administration for the duration of the PCM contract term. Administrative responsibilities include:

- Schedule meetings; prepare meeting agendas, minutes, and action items; provide Project standards and templates for Project communications; institute specific Project initiatives;
- Provide document control services throughout the Project duration; and
- Provide general office support at a future co-located office for the PCM, SANBAG, Caltrans, FHWA, and others as necessary.

A.3 Project Information and Development of Plans

Consultant shall obtain and review relevant Project information and prepare various plans.

- **Project Information**
Obtain and review all available Project information including preliminary engineering, Project reports/briefs, presentations, plans, cost estimates, environmental documents, environmental technical studies, advance planning studies, cooperative agreements and other Project information provided by SANBAG, Caltrans, and others.
- **Major Project Deliverables and Reports**
In conjunction with SANBAG staff and its advisors, develop, submit, and obtain approval of the FHWA Major Project deliverables including the PMP, Financial Plan (FP) annual updates per FHWA, USDOT Transportation Infrastructure Finance Innovation Act (TIFIA) reports, or other status reports as required by SANBAG.
- **Project Close-Out Plan**
Identify the requirements to effectively close-out the DB and TSP contracts including submittals of all record drawings, progress required to obtain substantial and final completion, necessary documentation, applications, data, submittals, and completion of all reports.
- **Other Plans**
Prepare other plans identified elsewhere in this SOW. Identify and prepare other plans as necessary to comply with local, state, or federal requirements or as directed by SANBAG.

A.4 Project Safety

Under SANBAG's direction, Consultant shall provide a Safety Engineer/Manager who will be responsible for overseeing Project safety including ensuring Project team and contractor compliance with Project safety requirements relevant to future co-located Project and toll operations offices and construction sites. Safety activities include but are not limited to:

- Develop a Project-wide safety program. Provide and implement a Project oversight site safety plan and provide safety training for all owner oversight personnel on the Project. Provide Personal Protective Equipment (PPE), including hard hats and safety vests, for all owner oversight personnel who will be working on the Project site;
- Develop the safety requirements that will be included into the DB and TSP procurement documents including safety manual and training program requirements for all Project personnel, and administration of the DB's safety program by a designated safety officer;
- Provide input and analysis associated with the option for an Owner Controlled Insurance Program or Contractor Controlled Insurance Program;
- Ensure compliance of the safety program with all federal, state and local laws including those of Occupational Safety and Health Administration, Caltrans, SANBAG and local agencies and jurisdictions;
- Review various Project activities and work processes and perform periodic audits to assess general office safety and compliance with current best practices;
- Work with Caltrans to merge its budgeted safety responsibilities with SANBAG and Consultant, and build one effective safety oversight program for the Project. Establish roles and responsibilities, necessary oversight, and reporting requirements;
- Perform safety oversight of the DB and TSP:
 - Verify implementation of the safety training by the DB and TSP for all Project staff, and provide training to office staff as required;
 - Track DB and TSP's proper investigation and reporting of accidents;
 - Monitor the provision of proper safety PPE to all DB and TSP personnel, and other Project personnel as required; and

- Regularly monitor and document or require documentation, from DB and TSP of safety meetings with set agendas as conducted by DB and TSP to document safety understanding and compliance.
- Oversee the investigation of accidents, report to SANBAG and Caltrans, and recommend corrective actions to reduce risks and reoccurrence.

A.5 Independent Quality Assurance (IQA)

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide a Quality Engineer/Manager who will be responsible for overseeing Project quality including ensuring Project team and contractor compliance with Project quality requirements relevant to all deliverables and construction. Quality activities include but are not limited to:

- In Coordination with Caltrans, develop a comprehensive, Project-wide IQA program based on the Project scope, assumed construction contracts, stakeholder requirements, and delivery approach of the Project. The IQA program shall include the clear delineation of roles and responsibilities between all identified parties related to all design, procurement, installation, and construction activities and the development and maintenance of a quality manual;
- Develop the quality requirements that will be included into the DB and TSP procurement documents;
- On behalf of SANBAG, collaborate closely with Caltrans to cooperatively merge its quality responsibilities with Consultant, and build one effective quality oversight program for the Project. Establish roles and responsibilities, necessary oversight, and reporting requirements to form one IQA team jointly composed of PCM and Caltrans staff with the aim of streamlining effective IQA procedures;
- Perform IQA during final design, installation, and construction of Project improvements of DB and TSP work including overseeing compliance with quality control (QC) and Quality Assurance (QA) requirements, over-the-shoulder reviews, audits of contractor's QC and QA activities, resolution of audit findings, coordinating with contractor's quality personnel, and providing periodic quality reporting as directed by SANBAG; and
- Set up and implement project IQA system that provides data input, management, and reporting from IQA software used to track IQA audits in design and construction of the Project.

A.6 Public Outreach

Under SANBAG's direction, Consultant shall provide assistance in the development and implementation of public and government relations communication plans for the Project. The community and government relations communication plans shall provide:

- Public information and response to public and media questions about the Project;
- Public information about tolled express lanes and toll facility operations;
- Ongoing communications with staff and boards of public agencies, project partners, and elected officials;
- Attendance at and participation in public meetings, hearings, industry presentations, and community group presentations, including the preparation of presentation materials;
- Prepare and distribute, as directed by SANBAG, Project brochures, fact sheets, branding items, messaging, and other necessary communication and collateral materials to support SANBAG's communications obligation and requirements with the agencies and communities, provide updated Project information to websites, social media sites, or other online media sites as requested by SANBAG;
- Lead and/or participate in regularly scheduled DB and TSP meetings including certain technical work groups, preconstruction, and construction related meetings with SANBAG, Caltrans, DB, and TSP personnel. Prepare for meetings, as required, to properly organize or support each meeting event;
- Establish, operate, and maintain the Project Helpline until an appropriate handoff to the DB and/or TSP as directed by SANBAG;
- Oversee operations and maintenance of the Project Helpline by the DB and/or TSP and ensure that responses and actions required of the Contractors are carried out per contract requirements. Continue to respond to agency-directed questions and issues received through the Project Helpline as needed;
- Oversee, monitor, and cooperate in business support meetings by the DB and TSP, and organize and prepare for such meetings, as requested by SANBAG, to support the Project's efforts to mitigate issues and disruptions to local businesses due to construction activities;
- Support SANBAG in preparing and organizing for media events and governmental relations activities, including news organizations and media and elected officials;

- Prepare and organize, in support of SANBAG, special events such as “ground-breaking” and “ribbon cutting” ceremonies;
- Provide reports, meeting organization materials, tables, data, and other forms of communications to present or document activities on the public outreach efforts; and
- Maintain a database record of all public outreach contacts and responses.

A.7 Project Support and Other Services

- Consultant shall emphasize a focused effort, combined with strategic management personnel, to implement and continuously maintain a positive team environment and collaborative relationship with Caltrans;
- Participate in the review of insurance claims involving incidents as they affects SANBAG and Caltrans and provide analyses, identify means to mitigate or resolve, and make recommendations for action by SANBAG;
- Establish and implement a partnering program for the Project using an independent facilitator to structure and conduct the program. The intent of this program is to build working relationships among all Project participants and stakeholders, including SANBAG, Caltrans, Consultant, local jurisdictions, DB, TSP, and others to best facilitate the cooperation and relations between parties in meeting the Project objectives and successfully completing all Project work;
- Prior to the start of final design and construction, organize, schedule, and conduct a pre-design and construction conference that includes select agencies that will be participating in the Project, as well as the DB and TSP, to communicate the approach and plan to design and construct the Project;
- Identify, define, and implement key Project initiatives that will benefit SANBAG and the Project by improving work processes and reducing Project costs and resource requirements;
- Schedule, coordinate, and/or attend meetings, as required, and provide all necessary meeting materials (i.e., agendas, minutes, action items, reports and documents) necessary to support the Project management activities;
- In coordination with SANBAG, Caltrans and other project consultants, participate in internal meetings, prepare and provide information and project documents such as Project cost reports, Project financing updates, federal TIFIA loan reports, federal fund invoices, federal fund Authorization to Proceed (E-76) packages,

and other project documents as needed. At this time, planned funding sources include SANBAG Measure I sales tax funds, federal CMAQ/STP funds, TIFIA loan proceeds, and toll revenue bond proceeds;

- Assist with preparation and review of annual updates of the following Project program capital cost and operating cost estimates to support SANBAG's annually updated financial model:
 - Toll customer account fee revenue estimate (based on assumed toll policies and business rules);
 - "Non-toll transaction" revenue estimate (based on assumed toll policies and business rules);
 - Major pavement rehabilitation estimate; and
 - Toll system replacement schedule cost estimates.
- Participate in planning meetings, provide information, prepare materials, and directly participate in formal presentations made to the bond rating agencies, TIFIA office, SANBAG Board, FHWA, Caltrans, lenders, and others directly related to project funding and financing as directed by SANBAG;
- Incorporate, review and/or monitor to completion various SANBAG commitments made in bond and loan documents into the procurement documents for the DB, TSP as required; and
- Prepare, review or assist in the preparation of various technical supporting documents or reports related to Project funding and financing, state tolling approvals, or federal tolling approvals that are required by the TIFIA office, FHWA, Caltrans, investors, and others.

A.8 Risk Management

- Under SANBAG's direction, in coordination with Caltrans, perform a Project risk assessment including conducting a risk management workshop with appropriate Project stakeholders to identify risks, probability and severity of risk occurrence, proposed mitigation strategies, responsible parties, and mitigation timing. Prepare a risk register to document, track, and manage Project risks;
- Perform ongoing Project risk identification and management activities by working with the various Project work groups, including the DB and TSP;
- Provide periodic updates of the risk register showing resolution and mitigation of defined Project risks, identification of new risks, and required mitigation measures; and

- Provide all necessary reports and actions requested by SANBAG to support requests of Caltrans, FHWA, lenders, or others in documenting adherence to all risk management requirements and practices.

A.9 Agency Agreements and Stakeholder Coordination

- Work with SANBAG and its legal advisors to create, review, develop, negotiate, and execute agency agreements including but not limited to the following:
 - Construction Zone Enhanced Enforcement Program (Caltrans/CHP);
 - Environmental Mitigation Agreements and Environmental In-Lieu Fee Agreements (various agencies);
 - Project of Division Interest (PODI) Agreement (FHWA and Caltrans);
 - Design-Build Cooperative Agreement (design-build phase, Caltrans);
 - Toll Facilities Agreement (toll operations phase, Caltrans);
 - California Tolling Agency Interoperable Agreements (various statewide tolling agencies);
 - Toll Violation Enforcement Agreement (California Highway Patrol (CHP));
 - Roadway Maintenance Agreement (TBD, possibly Caltrans); and
 - Other agency agreements as necessary.
- Assist and coordinate the preparation, review and execution of Freeway Agreements and/or Freeway Maintenance Agreements between the State and local jurisdictions for the Project if required; consultant may be required to assist with reviewing site-specific maintenance requirements, preparing exhibits, and drafting agreement language to facilitate their execution;
- Identify, define, schedule, facilitate and coordinate with stakeholder agencies in support of Project policies, procedures, practices and schedules. Additionally, Consultant shall work through barriers and enhance opportunity for innovations in the timely delivery of the Project, particularly with those commitments and obligations associated with any agreements between SANBAG and the respective agency as appropriate.
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B. Design Management

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide day-to-day management of all planning, design review, and oversight activities for the Project including coordinating with stakeholders and affected agencies on technical issues relating to utilities, ROW acquisition, third-party coordination, and environmental mitigation. Coordinate DB design activities with those of the TSP as described in Section C, Tolling Services.

Consultant shall assist with review and development of the Request for Proposal (RFP) documents, Technical Provisions, Reference Information Documents and all other pertinent attachments. Consultant shall participate in the evaluations of the DB and TSP submitted documents, review proposals and provide technical selection recommendations for the DB and TSP contracts. Consultant, in close coordination with Caltrans, shall perform the following Design management activities:

B.1 Design Management

- Under SANBAG's direction, in coordination with Caltrans, perform IQA reviews for all DB and TSP design submittals for conformance with the contract documents and all applicable Federal, State, and Local agency requirements. In coordination with the Caltrans Design Approving Manager, provide staff planning and resource requirements to facilitate Caltrans approval and meet schedule commitments and including all required disciplines such as highway, structural, drainage, utilities, traffic, landscape, aesthetics, acoustic, and geotechnical, materials engineers and other support staff as required to perform all relevant IQA reviews and approvals. Consultant shall emphasize a focused effort, combined with strategic management personnel, to implement and continuously maintain a positive team environment and collaborative relationship with Caltrans in effectively managing design IQA efforts.
- Consultant shall perform a brief screen-check, peer review of all submittals prior to initiating IQA reviews to ensure submittals are fully complete, certified, and prepared for IQA reviews by the PCM/Caltrans Design team.

B.2 Design Support

- Review, organize, and consolidate the design concept drawings to be provided as part of the DB and TSP RFP documents. The basis for the design concept drawings shall be the drawings provided by SANBAG's Project Approval/Environmental Document (PA/ED) Consultant;
- Review all available Project data and information, including Project reports, plans, estimates, technical and planning studies, cooperative agreements, environmental documentation and other Project information as provided by SANBAG, Caltrans, and other stakeholder agencies;

- Review and understand the Geometric Approval Drawings (GADs), exceptions to Mandatory and Advisory Design Standards, and other documents developed by SANBAG's PA/ED Consultant. Evaluate the possibility of implementing any innovative design improvements, while taking into consideration Project risks, geometry, cost, schedule, ROW, design exception impacts, ingress/egress assumptions, CHP requirements, toll operator tow truck staging areas, etc. Provide a written evaluation and recommendation to SANBAG;
- Provide engineering support for further definition and refinement of ROW delineation to develop ROW requirements for negotiated and eminent domain acquisition of Project ROW;
- Prepare and submit encroachment permit applications for surveying, geotechnical investigations, utility potholing and construction as appropriate. These may include, but are not limited to Caltrans Encroachment Permits, City Encroachment Permits, Flood Control Encroachment Permits, etc.;
- Provide preliminary design as requested by SANBAG to support high risk project elements, such as utilities, necessary to support the DB and TSP delivery schedule;
- Review DB and TSP Computer-Aided Design and Drafting (CADD) protocols and document DB and TSP compliance to contract documents and Caltrans standards and requirements;
- Monitor compliance and take corrective actions to submittal procedures, cycles, and review time frames for the processing, review, and approval of all submittals by SANBAG, Caltrans, and stakeholder agencies in compliance with the DB and TSP contracts;
- Represent SANBAG, in coordination with Caltrans, and the DB on all engineering issues to facilitate Project approvals. Facilitate other agency reviews/approvals of all Project submittals;
- Provide CADD support, as necessary, for any technical analyses, graphical presentations, reference materials, ROW acquisition, regulatory permits, and Project documents;
- Regularly coordinate and communicate with SANBAG, in collaboration with Caltrans, on status and progress of design reviews and oversight of DB's submittals. Identify any technical issues with proposed solutions and make recommendations to resolve to SANBAG, including necessary actions to implement proposed solution(s);
- Coordinate SANBAG, Caltrans, and other stakeholder agency involvement and participation in DB technical meetings, process DB

meeting minutes, and coordinate SANBAG and stakeholder action items resulting from technical meetings, along with necessary agency approvals;

- Schedule, coordinate, and attend meetings, as necessary, in cooperation with the agencies and contracted parties (DB and TSP), including the preparation of agendas, meeting minutes, and action items; and
- Participate with utility oversight personnel in providing Notices to Owners and in overseeing and coordinating the design and engineering work of the utility agencies and those of the DB and TSP, as appropriate.

B.3 Structures

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Review all available project data and information, including project reports, plans, estimates, technical and planning studies for incorporation into the RFP documents;
- Identify areas for risk reduction, long term maintenance reduction and improved safety;
- Identify and provide preliminary long lead time Project elements necessary to support the DB and/or TSP delivery schedules as requested by SANBAG;
- Provide design management services to review DB and/or TSP submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to structures-related issues and activities after issuance of Release for Construction (RFC) packages.

B.4 Roadway & Drainage

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Review all available project data and information, including project reports, plans, estimates, technical and planning studies for incorporation into the RFP documents;
- Identify areas for risk reduction, long term maintenance reduction and improved roadside safety;
- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract

requirements, Caltrans standards, and stakeholder agency standards; and

- Review and respond to roadway & drainage related issues and activities after issuance of RFC packages.

B.5 Maintenance of Traffic

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports, required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to maintenance of traffic related issues and activities after issuance of RFC packages.

B.6 Geotechnical

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Review, organize, and consolidate the geotechnical information developed by SANBAG's PA/ED Consultant to develop a geotechnical information package that will be provided to the Contractors as part of the RFP. The purpose of this geotechnical information package is to provide data for the design-build contractors to prepare a competitive bid and minimize the contingency in the bid due to unknown geotechnical information and to minimize potential risks. Coordinate the level of detail to provided with SANBAG and Caltrans;
- Coordinate with SANBAG to provide additional geotechnical exploration and testing services, as necessary;
- Evaluate DB submitted documents and provide technical selection recommendations;
- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to geotechnical related issues and activities after issuance of RFC packages.

B.7 Traffic Management System (TMS)

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Review draft Traffic Management Plan (TMP) and make recommendations on possible enhancements;
- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to TMS related issues and activities after issuance of RFC packages.

B.8 DB Toll System Infrastructure:

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Review and provide comments to DB design plans, submittals, and shop drawings of the toll infrastructure work, including communications and power conduit duct banks, vaults and roadside equipment cabinet installations, gantries, Changeable Message Sign (CMS) and camera pole installation, toll utility buildings, emergency backup generators, and integration of the DB requirements with the requirements of the TSP contract;
- Review DB toll related deliverables and provide technical selection recommendations as necessary;
- Review and respond to toll system infrastructure related issues and activities after issuance of RFC packages.

B.9 Electrical & Lighting

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Coordinate with SANBAG, Caltrans, and the DB to identify system needs and technology requirements for incorporation into the RFP; additional coordination with the TSP will be required to ensure project compatibility between both contracts to plan and properly implement all Project work;
- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to electrical & lighting related issues and activities after issuance of RFC packages.

B.10 Landscape & Aesthetics

Under SANBAG's direction, in coordination with Caltrans, Consultant shall:

- Provide design management services to review DB submittals, including design plans, investigations, studies, and reports required by the contract, for acceptability and conformance to contract requirements, Caltrans standards, and stakeholder agency standards; and
- Review and respond to landscape & aesthetics related issues and activities after issuance of RFC packages.

B.11 Environmental & Permits

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide environmental oversight, support, monitoring, compliance, and coordination of DB's environmental obligations and commitments under the contract, including SANBAG's obligations and requirements with resource agencies.

The following permits are anticipated to support the delivery schedule and complete the Project:

- United States Army Corps of Engineers (USACE) 404;
- Regional Water Quality Control Board (RWQCB) 401 Certification; and
- California Department of Fish and Wildlife (CDFW) 1602 Streambed Alteration permit.

SANBAG's PA/ED Consultant will provide permit application packages for submittal, though the PCM may be required to provide support and ongoing compliance monitoring throughout the duration of the Project. This work includes:

- Incorporation of environmental requirements and approved mitigation commitments and plans into the RFPs; support the preparation of environmental permit application packages (provided by others) as appropriate and perform ongoing monitoring of proper compliance by the Contractors;
- Oversee compliance of Contractor's permit requirements in meeting the obligations and commitments within the final USACE 404 permit, RWQCB 401 certification; CDFW 1602 permit; and RCFCWCD encroachment permit;
- Coordinate approval of the above permits and agreements with each resource agency, address any changes required of the DB by the agencies, and further the approval of the permits and agreements;
- Analyze and assess environmental re-validation and re-evaluations required due to SANBAG directed changes and implement accordingly;

- Coordinate with Caltrans for review and comment on all environmental activities, including agreements, permits, and exercises of re-validation and re-evaluation;
- Oversee the Contractor's acquisition and/or maintenance of all necessary environmental permits affecting construction including storm water permits, flood control permits or any other permits required to perform Project work;
- Schedule and coordinate meetings necessary to meet all environmental requirements, including providing agenda and meeting minutes and action items; and
- Oversee implementation of the approved mitigation monitoring plan for compliance with Caltrans and regulatory agencies permit requirements and the mitigations and commitments documented in the environmental document.

B.12 Utility Coordination & Oversight

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide a ROW/Utility Team Leader who will be responsible for coordinating all utility work affected by the Project. In order to accommodate and facilitate the DB and TSP schedules, Utility coordination activities may include, but are not limited, to the following:

- Verify all existing utility information provided by SANBAG's PA&ED Consultant and identify utilities that may be impacted by the Project; consultant shall analyze the preliminary utility conflict matrix (UCM) to ensure appropriate potholing and field verification has been performed.
- If necessary consultant may be required to complete supplemental field work, surface investigations, manhole dip surveys, and potholing to fully complete the UCM, RFP, technical provisions, utility agreements, and other Project documents;
- Meet with utility companies and other entities to determine their design and construction requirements related with the relocation, protection, and abandonment of utilities required to accommodate the Project and to establish any potential ROW impacts for utility relocations including guy poles, supports, easement requirements, etc.;
- Coordinate, plan and identify all temporary and permanent utility requirements early in the design phase for Project work, especially related with bridge structures, advance planning studies, and staging plan development; consider innovative methods that may benefit the Project when planning utility and other related Project work such as requesting brief utility disconnections that may be possible in order to implement a single-stage bridge structure

replacement that provides shorter overall work durations and minimizes net community impacts, etc.;

- Coordinate and provide all final, executed utility agreements with private utility owners as necessary to facilitate utility work. Monitor all utility relocation work activities and meet regularly with DB, TSP, utility agencies, Caltrans, SANBAG, and other stakeholder agencies to coordinate and schedule all required utility relocation work;
- Coordinate all interaction and correspondences with utility owners including but not limited to preparation of proper notices (i.e., Notice to Owners), DB and TSP submittals, notice to utility owners required to commence their (utility owner) design, procurement, and relocation activities, as necessary;
- Prepare Report of Investigation (ROI) as outlined in Section 13-05 of Caltrans ROW Manual Chapter 13;
- Review and comment, as appropriate, on utility owner designs for inclusion into DB and TSP final design documents, and review DB and TSP RFC documents for proper inclusion of the utility owner designs;
- Confirm that the utility agency, DB and TSP have all necessary permits and ROW clearances to allow relocation work to proceed;
- Oversee coordination between the DB, TSP and utility agencies' construction and relocation work, address any issues and confirm identification, protection, adjustment, removal, or relocation of the subject utility in compliance with State and Federal laws and regulations, standards, and agreements; assist, coordinate and document all discussions related with utility betterments between the Project team, DB, TSP and utility agencies; and
- Oversee and coordinate the final documentation and completion of the utility owner relocation work, and review and recommend final payments and closeout.

B.13 Survey & ROW Engineering

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide all surveying and related ROW work such as identification of ROW requirements, ROW acquisitions, easements and ROW engineering services as needed in support of design development and IQA of the Design–Builder's construction survey and to complete post-construction Record of Survey Tasks will consist of the following:

- Pre-Construction Record of Survey – provide a pre-construction record of survey for the ROW land net map in conformance with statutory requirements and to delineate limits of existing record

ROW. The project surveyor will prepare a record of survey in conformance with existing standards by the County of San Bernardino;

- Utility Verification – provide field survey services to document the pothole locations as required;
- Advanced Design Surveys – provide field survey services to document the geotechnical borings;
- ROW Engineering – provide appraisal maps (ROW Maps) in conformance with Caltrans District 8 guidelines and drafting standards to facilitate ROW acquisition;
- Field and office survey support on an as-needed basis to provide survey IQA checks; and
- Provide a post-construction Record of Survey of the new ROW limits and record a post-construction Record of Survey for the land net in conformance with statutory requirements and to delineate limits of the new record ROW. A record of survey will be submitted for review and filing by the County of San Bernardino.

B.14 ROW Services

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide a ROW/Utility Team Leader who will be responsible for the technical and administrative functions required to provide the necessary ROW. Consultant shall analyze preliminary right of way requirements defined within the PA/ED documents to develop the RFP, Technical Provisions, and parcel delivery schedule that will maximize the available work areas for the DB and TSP and help facilitate completing the Project in a timely fashion according to the schedule. ROW services include but are not limited to:

- Overall coordination and management with SANBAG, Caltrans, FHWA and the DB and TSP and assist with the development and implementation of the ROW program as needed; ROW program shall consider all types of permanent or temporary acquisition requirements and easements including utility easements, aerial easements, structure easements, maintenance easements, sub-surface easements, foundation easements, etc.;
- Prepare ROW cost estimates; review status of overall ROW project budget when ROW cost estimates are updated regularly with Project Controls, SANBAG and Caltrans management team;
- Considering the DB and TSP Project schedule, consultant shall provide all related property acquisition and negotiation services required for SANBAG to acquire property for the public transportation Project in a timely, efficient manner and at a reasonable cost including appraisal and review of appraisals,

including all necessary environmental investigations and remediation;

- Provide any necessary remaining ROW environmental investigations and remediation to support ROW acquisition services;
- Obtain, review and provide title reports and escrow documents, related utility documents, easement requirements, and ROW certification;
- Assess any proposed modifications or changes to the ROW proposed by the DB and TSP and provide investigations and analyses to help facilitate completing the Project; consultant is encouraged to provide innovative ideas, techniques, or proposed recommendations to SANBAG if it may benefit the ROW program and the Project as a whole;
- Provide ROW acquisition and relocation services under compliance with Federal, State, and Local laws and regulations, and in support of the Project's schedule as needed;
- Perform all necessary Project close-out activities, in coordination with Caltrans, including ROW transfer from SANBAG to the various agencies, and working with SANBAG to determine the excess land disposition process and begin the disposition process as soon as practicable;
- Continue to provide the appropriate progress/status reports, and schedule and attend meetings, as necessary, to support the acquisition, relocation, and close-out processes, and coordination with the DB and TSP.

C. Tolling Services

Consultant shall provide comprehensive PCM services and oversight for the design, installation, and operation of the toll system including the necessary technical expertise and staffing resources to review and finalize the technical requirements, RFP, solicitation, selection, implementation, testing, integration and operation of the Project. Currently, SANBAG is evaluating an option to use an existing toll agency in the region ("Partner Agency") for providing Back Office Support (BOS) and Customer Service Center (CSC) functionality. To facilitate this, it is anticipated that the TSP will provide the toll lane collection system, ITS, communications, networking and interface to the Partner Agency. SANBAG is still discussing options of providing toll system traffic management and roadway tow service operations so these are not yet fully determined. Options being considered for these services include either requesting Caltrans traffic management and existing Freeway Service Patrol contracts to provide these services or requesting these services as part of the TSP contract. The services envisioned and described herein require unique technical expertise in toll systems, operational business processes, traffic operations, system testing and system auditing skills along with strong project management skills.

C.1 General

- Consultant shall support, inform, coordinate, and make recommendations to SANBAG in the areas of tolling and operations;
- Provide day to day management of the tolling, ITS and integration activities including oversight, coordination and planning of related activities with the DB, TSP, Partners, and regional interoperable agencies;
- Take ownership of the tolling schedule and deliverables to ensure timely delivery of the TSP Contract and designated operating agreements (Caltrans, CHP and Partner Agencies), identification and resolution of any delays, and notifications of delays to SANBAG along with corrective action;
- Facilitate regularly scheduled meetings with SANBAG management to review progress and provide status. Required meetings will have agendas and meeting minutes summarizing the discussion, along with current and future actions needed to progress the project;
- Oversight of the project document control and tracking processes for the TSP and designated operating agreements;
- Ensure project tolling and operations conform to current and proposed state and national regulations, such as Moving Ahead for Progress in the 21st Century Act (MAP-21) and California Vehicle Code related to toll and enforcement; and
- Develop the toll system portion of the PMP.

C.2 TSP Planning

The Planning for the SANBAG Express Lanes will have progressed prior to Award of this contract. The Consultant will support SANBAG in evaluating, contributing to, and assessing the policies, procedures, business rules, customer account rules, management rules and technical requirements developed prior to commencing Work. Consultant will be responsible for assuming management of and finalizing these prior to the project opening. SANBAG has advanced many operating policies and are supplied in the attached Exhibits XX (**Need to add the policies and ConOps**)

- Assume management of the design concepts, specifications, testing and procedures for the TSP procurement and related agreements, making any necessary changes or update for SANBAG approval and incorporation into the final procurement documents;
- Provide comments and input to the Concept of Operations (ConOps) and if needed updates for Caltrans and FHWA approval;

- Assume responsibilities for finalizing documentation for procurement and as needed, develop any necessary reports or memos to achieve final agreements and approval with SANBAG Board and Partner Agencies;
- Develop white papers, reports, or methods addressing the following:
 - General approach to provide the necessary customer services and/or traffic management operations physical location, ensure the necessary facilities are available in time for the opening of the I-10 Express Lanes;
 - Applicability and methods to incorporate security and privacy measures in software, hardware, and operations;
 - Compliance with national interoperability requirements under MAP-21 including various options and implementation approaches;
 - Toll Policy, Violation Enforcement, and Business Rules; and
 - Other issues identified by SANBAG.
- Provide updates as needed to operational expenditures (OPEX) for required financial updates by the lenders and SANBAG;
- Review and recommend updates to toll policy and operations where needed to project goals and improve efficiency;
- Evaluate and research video tolling, toll violation, enforcement and collection procedures, to ensure SANBAG is aware of technologies and processes at the forefront of the tolling and related industries;
- Prepare, and recommend for approval operating business rules, prepare account reconciliation policies and procedures among stakeholder agencies, and assist Commission to develop necessary general ledger requirements and entries; and
- Assess the current Caltrans Inland Empire TMC locations and determine upgrades or modifications necessary to properly support the SANBAG Express Lanes at Caltrans Inland Empire TMC or at a new SANBAG, standalone TOC location.

C.3 Toll Operations and Maintenance Planning

Risk Management

- Update the existing toll operations risk management work (currently being conducted) to help SANBAG further identify and address the major risks in the toll implementation and operations phase of this facility;

- Address risks related to the toll system in the risk management workshop discussed in Section A.8, above, and include these risks and appropriate mitigation measures in the Project's risk register.

Performance Metrics

- Evaluate and update existing toll performance metrics strategy (currently being developed), including, but not limited to toll and ITS systems, express lane traffic, administrative, customer service operations, roadside operations/customer assistance, toll revenue, violations and collections performance.

Asset Management

- Develop an asset management strategy for the toll systems and equipment, drawings, manuals, documentation and warranties. This strategy, at a minimum, must track toll facility assets, establish replacement schedules, identify maintenance responsibilities, identify timing to commence asset management activities, and implementing an asset management software solution.

Communication and Marketing Strategy

- Support SANBAG existing communication and marketing strategy and work closely with the outreach firm to educate them on the tolling system and provide material and support for outreach events; and
- Prior to opening the Express Lanes, Consultant shall work with SANBAG's outreach firm to coordinate with TSP and other agencies to support the marketing and promotion of the facility.

Incident Management and Disaster Recovery

- Develop Incident Management and Disaster Recovery Plan for all SANBAG Express Lanes projects, which include both I-10 and I-15. This will be incorporated into the TSP and Partner Agencies policies and procedures.

Standard Operating Procedures (SOP)

- Identify the required SOPs for the operations and maintenance of the SANBAG Express Lanes project and ensure the TSP or other contracted service develops and finalizes the SOPs. Consultant shall validate the SOPs prior to Express Lanes opening and monitor after opening.

C.4 Procurement

The Procurement process for the TSP will have started prior to award of this Contract, therefore, the Consultant shall transition over as the technical lead in finalizing the TSP RFP and procurement documents, ensuring coordination between the DB RFP design for tolling infrastructure and all elements of the TSP

RFP including, but not limited to design, installation, testing, open to traffic, and start of toll collection schedule. The Consultant shall support the evaluation, advertisement, RFP response evaluations, negotiations, (including assistance conducting the Best and Final Offers (BAFO) process, and final contract award of the TSP contract as discussed further in Section D.3 “Procurement Services” below.

C.5 Oversight, Coordination, and IQAs

Under SANBAG direction, in coordination with Caltrans, Consultant shall be responsible for the oversight, coordination, management and IQA of the TSP design, implementation, validation, and testing to ensure the Project requirements and performance standards are met. Consultant shall ensure collaboration between the DB and TSP contractors and Partner Agencies to achieve for on time delivery and Express Lanes opening. Consultant will be responsible for the following:

- Oversight and delivery of the TSP Contract including identifying and allocating staff to oversee work performed by the DB, TSP, and Partner Agencies;
- Planning and scheduling of toll system activities for roadway implementation and testing, mitigating any potential delays or issues;
- Organizing status meetings with project contractors (DB, TSP, and Partner Agencies) and stakeholder agencies (Caltrans, FHWA and cities) as needed to review timeline and coordinate efforts to ensure design, installation, roadside construction, testing, acceptance and startup of the are complete in time for Express Lanes opening;
- Providing and support contract administration activities associated with the TSP, including safety and quality compliance, review of progress and invoice applications, submittals, and monthly reports; and
- Coordinating IQA review of designs, submittals, design plans, and shop drawings between the DB and TSP.

DB / TSP Coordination:

- Working with TSP, evaluate installation and acceptance of each tolling location, developing punch list and non-conformance items identified for DB. Determine the effect of these items in proceeding with implementation and potential affect to DB contract through penalties or Liquidated damages; and
- Ensure DB documents are compliance with the contract requirements, and obtain timely signoff and acceptance by SANBAG and the TSP for toll installation and testing to begin.

TSP

- Coordinate all design review meetings and system demonstrations to ensure TSP is meeting the defined scheduled timeframe and SANBAG and required stakeholders are participating in the review. Provide technical recommendations during these reviews that will benefit project goals or achieve benefit to SANBAG;
- Manage and oversee adherence to the TSP contract technical requirements, including compliance with the PMP, safety plan, and the design and installation requirements for roadside toll equipment, communications equipment, power equipment, cameras, CMS signage, and toll operations and customer service center facility layout plans;
- Perform TSP contract management and administration including identifying potential SOW changes, review of submitted contract change orders (CCO), performing required analyses, coordinating potential and implemented changes, as necessary, with other contracts, and maintain full documentation of all potential and actual changes as further described in Section D, Contracts Management and Procurement Services;
- Review and provide comments on TSP designs, design plans, submittals, and shop drawings of the toll system;
- Review and coordinate project schedules, including SANBAG Express Lanes milestones, toll infrastructure, toll systems, and other agreements;
- Review the TSP submittals and testing and startup plans, provide oversight of the systems testing and startup in compliance with the contract, and obtain testing and acceptance signoffs by SANBAG and other stakeholder agencies;
- Gather comments on all project documentation and deliverables from Consultant, SANBAG and stakeholders. Work with TSP and SANBAG to finalize documents, ensuring comments have been correct and are complete. These documents include: system requirements, system detailed design, QA/QC, project management, design and development, operational, implementation, installation, testing, training and maintenance plans, manuals and as-built drawings;
- Review and comment on interfaces to DB provided toll system infrastructure, shop drawings and equipment/device submittals and provide general technical oversight;
- Ensure coordinated review, comment and approval of contractor installation drawings with TSP;
- Coordinate turnover and acceptance of tolling locations and infrastructure from the DB Contactor to the TSP;

- Oversight of all toll equipment installation and testing, including: Factory Acceptance Test, Integration Test, On-Site Systems Test(s), Commissioning Test, Operational Test and Systems Acceptance Test;
- Assistance in the Caltrans permitting process as required;
- Evaluate installation and acceptance of TSP work for each tolling location, developing punch list and non-conformance items identified. Determine the effect of these items in proceeding with to completion and opening of the project. Assess potential penalties or Liquidated damages per the TSP contract terms;
- Provide oversight and review of training manuals, coordinate training sessions participation provided by the TSP, and review attendance and training completed by the training participants;
- Obtain from the TSP manufacturer warranties, as-built drawings, training materials, and other manuals required under the contract;
- Determine operational readiness; and
- Coordinate road opening and start of toll collection and maintenance.

BOS / CSC – If supplied by Partner Agency, otherwise this will be part of TSP Contract:

- Oversee the Partner Agency activities to support the training and startup of the Express Lanes project;
- Review operations manuals and SOPs to ensure all aspects of the I-10 Express Lane toll operations are identified;
- Review toll facility startup plans for the Partner Agency;
- Coordinate startup activities with Partner Agency so they are aware of project schedule and milestones;
- Oversee and participate in all design review meetings and system demonstrations;
- Review plans and documentation required of the Partner Agency to support SANBAG I-10 Express Lanes project, such as operational requirements, performance measures, survey and quality measures, staffing plan, training program and user manuals;
- Test and oversee of functionality related to only I-10 Express Lanes project, including demonstration, operational and system acceptance testing;

- Oversee build outs for networking and communications with Partner Agency back office. Conduct operational readiness testing, prior to Express Lanes opening and start of toll collection; and
- Oversee any customer service build-out, as required.

Traffic Management Center (TMC)

- Develop Performance-Based Road Management and Maintenance terms for the traffic and incident identification and response;
- Facilitate and participate in meetings to coordinate activities and schedules between SANBAG, Caltrans, TSP, and stakeholders;
- Review and coordination of project schedules, including Caltrans and other agreements;
- Oversight and participation in all operational process and procedures;
- Review, comment and recommend for approval of all documentation and deliverables, including operational requirements, performance measures, staffing plans, training program and user manuals; and
- Perform operational readiness testing, developing updates or changes prior to the I-10 Express Lanes opening.

D. Contracts Management and Procurement Services

Under SANBAG's direction, in coordination with Caltrans, Consultant shall provide contracts management and administration services to monitor performance by the DB and TSP to the requirements of their respective contracts. This includes all aspects of the contract, for example, the Disadvantage Business Enterprise (DBE) subcontracting performance, labor compliance, administration of change management processes, and claims support on behalf of SANBAG.

In support of SANBAG, define, prepare, and administer procurements for DB, TSP and environmental mitigation contracts, and other procurements as required for the Project development and/or operations and maintenance.

Contract management and procurement services include:

D.1 Contracts Management

- Provide contracts management services for the overall Project and its various contracts. This includes identification and allocation of staffing resources to accomplish specific contract administration tasks; integration and coordination with Project Staff on contract matters; and attendance at meetings to coordinate contract management-related activities and deliverables with the DB, TSP, and stakeholder entities associated with the Project. Identify contract compliance issues for the DB and TSP contracts, provide

analyses, and make recommendations to resolve issues for SANBAG approval;

- Provide the systems and tools appropriate to track, monitor, document, and report on DB, TSP, environmental mitigation, and other contracts and the compliance to their respective contracts, and timing of actions, recommendations, and approvals;
- Coordinate and manage additional SANBAG contracts in connection with environmental mitigation and other contracts related to Project development, design, construction, operations and maintenance as appropriate;
- Coordinate, monitor and manage contract compliance between SANBAG and Consultant, providing communications and correspondence in addressing clarifications and amendments. Monitor compliance with Federal, State, and Local agency requirements including:
 - Provide regular updates to audited overhead rates as requested by SANBAG, including those of Consultant and Subconsultants; and
 - Demonstrate compliance with Consultant's contract commercial requirements, including invoicing content and format, allowable compensation, schedule adherence, insurance coverage requirements, etc. through submitted documentation.
- Schedule, coordinate, and attend meetings to support all Project-related contract administration activities, including, where appropriate, providing agenda, meeting minutes, and action item listings.

D.2 Contract Administration

- Establish Project correspondence and communication procedures and protocols consistent with the requirements of the DB and TSP contracts and monitor and document compliance to these requirements;
- Process DB and TSP correspondence according to the Project requirements in a timely manner to support SANBAG and stakeholder agency approvals;
- Review DB and TSP payment applications for compliance to contract requirements. Identify areas of concern and resolve with DB and TSP and SANBAG;
- Identify the amount of the final payment due to DB and TSP and assist SANBAG with processing any final contract changes and the resolution of any claims. Obtain evidence of certification of all lien

releases, transfer of title to appropriate agencies, and certification of delivery of final record drawings to Caltrans where appropriate. Secure and transmit to SANBAG all required turn-over items, including, but not limited to, guarantees, affidavits, releases, bonds, waivers, keys, manuals, and maintenance stock;

- Prepare final Project accounting and closeout reports of all reporting and document control systems. Organize all pertinent data, purge all files, and send to document control;
- Prepare the final documentation to release all liens and recommend final payment and release of bonds and retention;
- Provide the systems and tools to provide documentation and tracking of DB and TSP and Consultant's contract compliance;
- Prepare and issue SANBAG-directed CCOs in compliance with the DB and TSP respective contract requirements. Negotiate final terms with the DB and TSP to process the CCOs and seek any necessary external approvals as appropriate;
- Review and analyze contractor-initiated CCOs by DB and TSP. Negotiate final terms and process for approval by SANBAG and other stakeholder agencies, including Caltrans and FHWA as appropriate;
- Perform regular review and documentation of DB and TSP communications for changes and claims, and report to SANBAG with recommendations and actions; and
- Provide reporting tools and CCO logs to properly track and monitor change notices, CCOs, and claims to identify trends and measure cost and schedule impacts.

D.3 Procurement Services

Under SANBAG direction, provide broad procurement support for the DB, TSP, environmental mitigation, and other contracts as necessary to develop, design, build, operate, and maintain the Project. Consultant shall participate in the development of a procurement strategy, assist in the development of solicitations by preparing SOWs and technical documents, review and provide input on procurement documents to SANBAG's general counsel and provide additional support as directed by SANBAG.

- Consultant shall review and understand SANBAG policies, procedures, and legal requirements related to its procurements;
- Consultant shall coordinate with SANBAG to:
 - Support the preparation of procurement documents including Requests for Qualifications (RFQs), RFPs, contracts, evaluation criteria, evaluation manuals, and certain

- procurement correspondence by either providing direct input or review and comment on documents as appropriate;
- Maintain adequate practices and procedures to ensure strict adherence to confidentiality agreements by all members of the procurement team, including measures to ensure the security of all procurement-related documents;
 - Develop a detailed work plan for SANBAG's timely development, review of and collaboration on procurement documents;
 - Participate in regular discussions and calls during the development of design-build procurement documents and procurement period as appropriate;
 - Maintain a complete and accurate official procurement file, including electronic and hard copies;
 - Track, review, and coordinate with SANBAG in the development of responses to questions received from proposers. Assist in the development of addenda to procurement documents;
 - Assist SANBAG with the evaluation of Statements of Qualifications (SOQ), Proposals (including technical proposals and concepts, price/cost proposals, and schedules), potential conflicts of interest, conformance with procurement submittal requirements (including insurance, proposal and payment and performance security, and business structure), and other deliverables, including preparation of technical analysis and reports;
 - Assist in contract negotiations and the award process following selection; and
 - Participate and help conduct advance industry review meetings and processes (if applicable) and post-shortlist and selection debriefing meetings; and assist SANBAG with any protests.
- Consultant, under SANBAG's direction, shall be directly responsible to:
 - Work with the Project Team to present/Identify alternatives, analyze, and make recommendations to SANBAG for the structure of its future Project-related procurements for design-build, system integration, and operations and maintenance services to best accomplish the necessary planning, development, design, procurement, construction, installation, testing, operation, and maintenance of the Project;

- Prepare SOWs/technical provisions for the procurements for the DB, TSP, environmental mitigation work, and other required services for other procurements;
- Incorporate lessons learned from recent SANBAG procurements, projects and other relevant projects involving design-build, system integration, and operations and maintenance across the region, state and/or nation;
- Incorporate strategies, action plans, performance criteria, and other requirements in the areas of risk management, performance metrics, asset management, customer service, communication, and marketing;
- Prepare necessary technical documents including plans, exhibits, maps, cost estimates, etc. for these same procurements;
- Plan and prepare various procurement schedules to meet overall Project development and operations and maintenance schedule goals;
- Plan and coordinate any necessary review of procurement documents with Caltrans, FHWA and local agencies;
- Plan, organize and lead internal team meetings and external meetings with industry and shortlisted proposers related to SANBAG procurements;
- Assist SANBAG with the analysis of alternative technical concepts (ATCs) submitted by the proposers;
- Help identify, accumulate, review, index and catalogue relevant reference documents for the procurements;
- Prepare certain correspondence, documentation, and presentations for SANBAG approval related to procurements and contract awards; and
- Plan, administer, and perform related tasks associated with procurement processes including organizing proposal evaluation teams, internal procurement meeting organization and administration, external industry events and meetings, facility reservations and setup, and related tasks.

D.4 Labor Compliance – Disadvantaged Business Enterprise (DBE)

Consultant shall support the preparation of the Project bid/contract specifications containing appropriate and current language concerning State prevailing wage requirements, Federal Davis-Bacon Act requirements and apprentice requirements, and provisions to be included in the DB, TSP, and other contracts as applicable. Services include responding to contractor comments and providing technical

assistance on all labor compliance requirements, as necessary. Labor compliance shall also include:

- Development of a “Federal On-the-Job Training (OJT) Participation” goal, as necessary, and ensure that all required OJT provisions, labor compliance forms, and applicable Federal prevailing wage determinations are included in the applicable contracts;
- Develop processes and procedures for labor compliance functions in accordance with State and Federal requirements and the Caltrans Local Assistance Procedures Manual;
- Develop planned labor compliance activities as part of the PMP, including roles and responsibilities;
- Determine and update the Federal general wage determinations, as necessary, based on wage rate amendments and the Federal “10-Day rule” found under 29 CFR Section 1.6(c) (3);
- Determine applicable State prevailing wage rate determinations applicable to the Project based on the Project’s bid advertise date;
- Prepare a pre-bid meeting checklist designed to facilitate review of all labor compliance requirements including applicable prevailing wage requirements and potential proposers;
- Verify compliance with California’s Department of Industrial Relations (DIR) requirements for labor compliance, including:
 - Provide technical guidance and coordinate with SANBAG to establish the appropriate reporting requirements and information necessary for the DIR to perform labor compliance on the Project;
 - Provide periodic audits of DB, TSP, and other contractor’s compliance to DIR requirements and information needed for labor compliance monitoring;
 - Support SANBAG with coordinating with DIR, as necessary, on its performance of Project review audits and site interviews; and
 - Periodically review with SANBAG its compliance to State and Federal requirements for labor compliance.
- Observe and monitor DB, TSP, and other contractors labor relations with labor organizations on behalf of SANBAG, periodically review labor practices on the Project, and discuss labor issues with the DB, TSP, and other contractors, as appropriate, to mitigate potential for delays to Project completion. Make recommendations, as appropriate, on resolution of labor issues to SANBAG;

- Monitor DB, TSP, and other contractors for compliance to labor code requirements and provisions for labor harmony on the Project;
- Develop a DBE Contractor Performance Plan requirement for inclusion in the applicable contracts;
- Develop an annual DBE reporting update requirement for inclusion in the applicable contracts;
- Consider and develop contract-specific DBE goals for applicable procurements in accordance with Caltrans race-conscious directives;
- Participate in workgroup meetings relative to the development and finalization of all applicable DBE solicitations and contractual provisions;
- Confirm contractor-claimed DBE participation crediting in conformance with 49 CFR Part 26 and Caltrans directives, including Commercially Useful Function (CUF) provisions;
- Conduct Good Faith Efforts reviews of proposers for compliance with all DBE contract-specific goal requirements, as necessary, to determine responsiveness to applicable requirements;
- Review DB, TSP, and other applicable contractors' DBE reports for accuracy and coordinate with contractors to reconcile discrepancies; and
- Provide oversight of DBE and labor compliance activities of the DB, TSP, and other applicable contractors and general support to SANBAG, including compliance by the contractor with their DBE Performance Plan, and Federal, State, and Local requirements for prevailing wages and Davis-Bacon Act requirements.

D.5 Document Controls Management

- Under SANBAG's direction, in coordination with Caltrans, consultant shall provide, implement and maintain a SANBAG-Consultant document collaboration portal for all Project communications;
- Oversee integration of this electronic document collaboration portal, including administration, with the DB's and TSP's document control systems once identified;
- Provide ongoing document management and control of all DB, TSP, and other contractor submittals and correspondence. Integrate the DB and SANBAG document management procedures and tools in support of transmittal, submittal processing, and approval requirements. This activity will include all Project documentation for design reviews, Requests for Information (RFIs),

and all other submittals. Maintain the tools, filing, storage, and retention of Project documentation following Caltrans' uniform filing system. Consultant shall assist and support SANBAG, Caltrans and other Project Team staff with the proper authorizations, instruction and use of the system to facilitate the effective document management throughout completion of the Project.

E. Project Controls

Under SANBAG's direction, in coordination with Caltrans, provide overall Project controls management, administration, and oversight services related to the cost, scheduling, estimating, and document management requirements for the PCM, DB, TSP, and other related Project contracts including the necessary plans, procedures, tools, processes, and tasks for ongoing planning, budgeting, and control of the Project. The specific Project controls activities planned include the following:

E.1 Project Controls Management

- Provide review and management of the budget, cost engineering, scheduling, estimating, and document controls processes and procedures. Review the monthly invoices for the DB and TSP to maintain conformance with the Work Breakdown Structure (WBS) cost structure;
- Provide monthly trend registers, cost, and schedule reports on Project performance, both separate and in conjunction with, the DB and TSP reporting requirements. Reporting will be provided in an agreed upon format on activities with stakeholder and third-party agencies. Provide any other necessary documentation deemed required to support Project performance monitoring;
- Update and document changes in the Project processes and procedures as provided for in the PMP and submit, as necessary, for reviews and approvals by SANBAG, Caltrans, and FHWA;
- Perform periodic reviews and analyses of the DB and TSP cost performance, as appropriate, to determine trends that may result in potential claim situations, and document such analyses and monitor trends; and
- Monitor and report, as necessary, SANBAG program costs that are external to PCM contract. This will include costs associated with the Project that are incurred through other agreements, in accordance with State, Federal, or Local requirements, or as otherwise defined under the PCM contract.

E.2 Cost Engineering

- Prepare monthly invoices for contract services with adequate budget allocation for actual costs incurred; check for compliance to

contract compensation requirements; monitor charges to established WBS codes to support cost control and reporting; verify appropriateness of charges; and respond to SANBAG questions or comments on invoicing;

- Develop budgeting for work tasks for Consultant activities; assign tasks against the WBS; monitor labor charges and expenses for validity and proper coding; and provide progress and reporting support for internal management and client needs;
- Review monthly invoices/progress payments submitted by the DB and TSP as to compliance with contract requirements and progress achieved on the Project; and
- Coordinate development of reports related to SANBAG program costs that are external and internal to the PCM contract. Coordinate with DB and TSP to develop additional reports, as necessary.

E.3 Scheduling

- Prepare and maintain an overall Project schedule and coordinate with all Project disciplines to schedule updates and provide monthly reporting to SANBAG. Include identification and analysis of resource constraints and requirements, as appropriate, and any constraints to costs and cash flow;
- Provide schedule analyses, as required, to address schedule issues and concerns resulting from Project activities, either of Caltrans, SANBAG, and/or Consultant, or of the DB and TSP. In addressing issues, determine and recommend recovery actions, including resource and cash flow requirements;
- Review the DB and TSP design and construction schedule to monitor compliance with their contracts, and incorporate their schedules into the master program schedule. Provide analysis and document all schedule changes and their impacts to the baseline schedule, and request and analyze recommendations of DB and/or TSP recovery plans;
- Participate in weekly DB and TSP scheduling meetings to coordinate respective schedules, identify areas of schedule concern, monitor schedule performance, and track schedule alignment of weekly schedules to Project schedules;
- Schedule, coordinate, and attend meetings, as necessary, to support Project schedule activities, including preparation of agendas, meeting minutes, and action items; and
- Provide monthly schedule reports on Project performance, both separate and in conjunction with, DB and TSP reporting

requirements. Provide any other necessary supports deemed required to support Project performance monitoring.

E.4 Cost Estimating

- Consultant shall review the current project cost estimate and budget, and prepare a new cost estimate and firm budget for the Project, including the provision for contingencies and escalations and submit to SANBAG for approval. The cost estimate and budget shall be updated quarterly as new information is developed, changes to the budget shall be tracked as variances, and SANBAG shall be notified on a prompt and regular basis. Any change or variance from the Project budget will be submitted to SANBAG for approval;
- Provide review and analyses of potential CCOs submitted by the DB and TSP, including presentation of cost and schedule impacts, solutions to mitigate impacts, and recommendations to SANBAG and other stakeholder agencies for approval; and
- Provide estimating support, as necessary, to review and analyze DB and TSP changes and value engineering proposals. Provide recommendations to SANBAG.

F. Construction Management

Under SANBAG's direction, in coordination with Caltrans, provide Construction Management services for construction IQA oversight, administration and compliance to contract requirements by the DB and TSP. In accordance with Assembly Bill 401, the Consultant shall provide all administrative management, staff and related support services necessary to complement and facilitate the construction IQA effort (also known as Caltrans IQA Assessors) required to be performed by Caltrans staff. Consultant shall emphasize a focused effort, combined with strategic management personnel, to implement and continuously maintain a positive team environment and collaborative relationship with Caltrans in effectively performing construction IQA tasks. These services include:

F.1 Construction Management

- Organize, schedule and conduct a pre-construction conference that includes all agencies, utilities, DB and TSP that will be participating in the Project and other impacted projects within the limits of the Project. Provide all meeting support services such as meeting notices and meeting minutes;
- Provide and implement a construction management staffing plan that effectively integrates with Caltrans' role, responsibilities, and staffing for the Project and provides the necessary resources and capabilities to oversee and monitor the quality of construction work performed by the DB and TSP. The staffing plan should strategically recognize Caltrans key role as State highway owner,

Project advisor and approving agency, hence, IQA efforts should be performed together jointly in collaboration with PCM and Caltrans staff as one team - functioning as one streamlined, cohesive IQA effort and avoiding a duplication of staffing, efforts and reviews;

- Monitor the DB and TSP overall planning of construction activities to identify critical milestones and priorities, and to determine budget estimates and staffing requirements for the defined scope and schedule;
- Prepare and submit of the monthly report of construction activity and progress that relates to DB and TSP progress and compliance to contract requirements;
- Field monitor DB and TSP construction activities and compliance to their safety plan. Note concerns or deficiencies immediately to DB or TSP for their implementation of corrective measures;
- Develop/implement a field issue resolution program, including issue identification and resolution by the DB, TSP or other appropriate agencies;
- Observe and identify all potential changes in SOW based on DB and TSP activities, review all CCOs submitted, and perform required analyses and recommendations to SANBAG for disposition;
- Review work status and recommend to SANBAG when the Project is substantially complete. Prepare a summary of the status of the work of DB and TSP and a "punch list" of any incomplete work or work that does not conform to the contract documents. Coordinate and assist Caltrans in conducting final inspections and oversee completion of all work. Recommend relief of maintenance to SANBAG for DB and TSP for all or portions of the Project; and
- Certify the amount of the final payment due to DB and TSP and assist SANBAG with the processing of any final contract changes and the resolution of any claims. Obtain evidence of certification of all lien releases, transfer of title to appropriate agencies, and certification of delivery of final record drawings to Caltrans. Secure and transmit to SANBAG all required turn-over items, including, but not limited to, guarantees, warranties, affidavits, releases, bonds, waivers, keys, manuals, and maintenance stock.

F.2 Construction Services & Administration

- Serve as the primary liaison between Project team, ensuring timely and accurate distribution of information and materials;
- Establish and maintain Project records. Project recordkeeping shall include, correspondence, memoranda, contract documents, RFIs,

CCOs, claims, SANBAG directives, meeting minutes, shop drawings, supplementary drawings, review and approval of submittals, and quantity calculations, measurements and daily Extra Work Reports that support progress payments, and other pertinent documents. Consultant shall maintain a record of the names, addresses, and telephone and fax numbers of the Contractors, subcontractors, and principal material suppliers;

- Research and compile statistical information and related data and produce special or recurring reports and complete special projects as assigned; maintain and monitor the operating budget as directed;
- Establish and maintain document archiving and retrieval systems (both electronic and hard copy), prioritizing the flow of Project reports/correspondence, and ensuring timeliness in the handling, processing, and resolution of requests, requirements, or problems;
- Establish and maintain follow-up files and confidential files for Project team;
- Make recommendations for additions or revisions to existing Project practices and policies. Serve as focal point for gathering newly published policies and the dissemination of materials;
- Maintain the Project team meetings calendar. Assist Project team in coordinating meetings; and
- Manage project vehicle fleet, maintaining monthly inspection, maintenance and fueling records.

F.3 Roadway Construction Oversight

- Monitor the overall planning of construction activities to identify critical milestones and priorities. Determine budget estimates and staffing requirements for the roadway work scope and schedule;
- Coordinate and conduct pre-construction and pre-activity meetings with the DB;
- Provide engineering assessment of plans for adequacy of design, particularly with respect to suitability to actual field conditions;
- Ensure compliance with the plans ,specifications shop drawings, and material data submittals by the DB and TSP; recommend, modify, interpret, and edit special provisions and prepare modification estimates; and keep necessary records pertaining to construction progress, and budget performance;
- Monitor the DB construction QC programs, including the adequacy of capability of QC resources. Oversee and provide, as necessary, notification to the DB and TSP of rejected work when it is the

opinion that the work or materials do not conform to the requirements of the Design-Build contract documents;

- Monitor compliance of DB and TSP safety plans and note concerns or deficiencies immediately to DB or TSP for their implementation of corrective measures;
- Support and assist with administration of Caltrans IQA oversight activities and their recording of daily progress of the Project with accurate and complete daily reports, including weather conditions, work performed, number of workers, problems encountered, and other relevant data. Maintain independent photographic log of the construction progress indexed and geolocated for easy retrieval;
- Review all detour, lane closure, temporary access, signing, delineation, and traffic management and control plan for compliance with contract TMP requirements and all safety laws and regulations. Notify any deficiencies to DB or TSP for their immediate correction and compliance. Communicate any special notices to the public outreach team;
- Observe and identify all potential changes in SOW based on DB and TSP activities, and review all CCOs submitted, perform required analyses, and present recommendations to SANBAG for disposition. Maintain separate log and files to document all potential and actual changes;
- Perform oversight and review of laboratory, shop, and mill test reports of materials and equipment, as needed;
- Monitor DB and TSP compliance to inspection and surveys of properties adjacent to the Project to monitor possible ground movement or structural damage to properties that may be caused by the works; and
- Monitor test and inspection records and noncompliance reports for satisfactory resolution of noncompliant work.

F.4 Structures Construction Oversight

- Monitor the overall planning of construction activities to identify critical milestones and priorities. Determine budget estimates and staffing requirements for the structures work scope and schedule;
- Coordinate and conduct pre-construction and pre-activity meetings with the DB and TSP;
- Provide engineering assessment of plans for adequacy of design, particularly with respect to suitability to actual field conditions;
- Ensure compliance with the plans, specifications shop drawings, and material data submittals by the DB and TSP; recommend,

modify, interpret, and edit special provisions and prepare modification estimates; and keep necessary records pertaining to construction progress, and budget performance;

- Monitor the DB and TSP construction QC programs, including the adequacy of capability of QC resources. Oversee and provide, as necessary, notification to the DB and TSP of rejected work when the work or materials do not conform to the requirements of the contract documents;
- Monitor compliance of DB and TSP safety plans and note concerns or deficiencies immediately to DB or TSP for their implementation of corrective measures;
- Oversee project-wide performance of construction inspection and IQA oversight activities and their recording of daily progress of the Project with accurate and complete daily inspection reports, including weather conditions, work performed, number of workers, problems encountered, and other relevant data. Maintain independent photographic log of the construction progress indexed for easy retrieval;
- Perform oversight and review of laboratory, shop, and mill test reports of materials and equipment, as needed;
- Monitor DB and TSP compliance with field investigation and surveys of properties adjacent to the Project to monitor possible ground movement or structural damage to properties that may be caused by the work; and
- Ensure that all test reports and records and noncompliance reports are satisfactorily resolved.

F.5 Toll System Construction Oversight

- Monitor the overall planning of construction activities to identify critical milestones and priorities. Determine budget estimates and staffing requirements for the structures work scope and schedule;
- Coordinate and conduct pre-construction and pre-activity meetings with the DB and TSP;
- Provide engineering assessment of plans for adequacy of design, particularly with respect to suitability to actual field conditions;
- Ensure compliance with the plans, specifications shop drawings, and material data submittals by the DB and TSP; recommend, modify, interpret, and edit special provisions and prepare modification estimates; and keep necessary records pertaining to construction progress, and budget performance;

- Monitor the DB and TSP construction QC programs, including the adequacy of capability of QC resources. Oversee and provide, as necessary, notification to the DB and TSP of rejected work when the work or materials do not conform to the requirements of the contract documents;
- Monitor compliance of DB and TSP safety plans and note concerns or deficiencies immediately to DB or TSP for their implementation of corrective measures;
- Provide construction oversight of the delivery of the toll system infrastructure by the DB. Validate/confirm the DB work, in coordination with the TSP, is correct per the design and technical requirements. This includes validating and testing power and communications conduit duct banks, gantries, CMS and camera pole installation, toll utility buildings, and emergency backup generators;
- Oversee the installation of TSP work, including roadside tolling equipment, communications and power, express lane cameras, CMS signage, traffic operations, and data center build out, document compliance with the contract requirements, and obtain signoff and acceptance by Commission and other stakeholder agencies, as required;
- Perform oversight and review of laboratory, shop, and mill test reports of materials and equipment, as needed;
- Monitor test and inspection records and noncompliance reports for satisfactory resolution of noncompliant work.

F.6 Office Engineering

- Coordinate with DB and TSP for completion and submittal of final record drawings or as-built drawings. The record drawings and documents shall be prepared and submitted in conformance with the contract requirements;
- Monitor that the DB and TSP maintain a detailed photographic history of the Project in compliance with their Design-Build contracts, including labels with location, direction of view, date, time, and any information of interest. Photographs shall be maintained in an electronic indexed album or SANBAG approved software. Photographs shall include, but not be limited to, conditions prior to construction, during construction, changes to detours, barricade placement, disputed work, rejected work, and completed work;
- Coordinate between Design and Construction personnel to receive and distribute Project plans and documents throughout the Project term;

- Perform general construction office duties relating to administration of construction contracts, such as processing extra work invoices, preparing progress estimates, and filing documents following Caltrans' uniform filing system;
- Monitor DB and TSP compliance with plans, quality of work, and construction activity; including review of selection/use of computer-based processes to compile engineering data, horizontal and vertical alignments, curve computations, and preparation of as-built plans;
- For schedule/work activities where the need is identified, prepare quantity calculations and quantity sheets for payment purposes and review calculations prepared by Roadway and Structures Resident Engineering teams;
- Prepare or assist in the preparation of CCOs for the purpose of making alterations, deviations, additions to, or deletions from the plans and specifications to ensure proper completion or construction of the contract by gathering critical information necessary and interpreting technical reports and data to determine a feasible solution;
- Resolve/close out RFIs and CCOs timely;
- Coordinate between field personnel in tracking and logging all field documents, including reports and daily Progress Reports;
- Track and document all safety procedures and reports;
- Track and document all environmental and stormwater pollution prevention related reports and inspections and coordinate with the environmental personnel on the Project;
- Track, monitor, and document all roadway closures on the Project, and document any Project related calls on Caltrans TMC;
- Develop, maintain, and update Project's contact matrix and assure posting and distribution to the Project's team;
- Provide the tracking and maintenance of Project work schedules, analyses, technical and production reports, and other documentation as required;
- Organize, prepare, and conduct field site investigations and visitations from Caltrans, SANBAG, and FHWA personnel to confirm Project progress, conduct studies, or any other purpose; and
- Schedule, coordinate, and attend meetings, as necessary, to support Project oversight and construction activities, including the

preparation of meeting materials, agendas, minutes, and action item list

DRAFT

Minute Action

AGENDA ITEM: 10

Date: June 9, 2016

Subject:

New Policy 34510 Value Engineering/Value Analysis

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

- A. Repeal Measure I Major Projects Program, Value Engineering Policy 34500, approved by Board September 1, 1993; and
- B. Approve Measure I Major Projects Program, Value Engineering/Value Analysis Policy 34510.

Background:

San Bernardino Associated Governments (SANBAG) Board of Directors approved Policy 34500 Measure I Major Projects Program, Value Engineering on September 1, 1993, for all projects within the SANBAG Major Projects Program regardless of the lead agency of design. Since 1993 several new federal and state mandates have been sanctioned. In order to keep SANBAG's projects eligible for federal and state funds, all project deliverables must comply with current requirements.

The intent of this agenda item is to identify the historical and current regulation applicable to Value Engineering requirements (Attachment 1) and to present a new policy for consideration for approval (Attachment 2). The purpose of the policy is to keep SANBAG's projects, present and future, in compliance with federal and state requirements with respect to Value Engineering/Value Analysis (VA/VE) and to efficiently deliver all programmed projects. Not only does the proposed policy require compliance with federal and state requirements, it requires the consideration of a VA/VE for each Major Projects Program project. Therefore, it is recommended to repeal the currently outdated Measure I Major Projects Program, Value Engineering Policy 34500 which was approved by the Board of Directors in 1993 and to approve this new Policy 34510.

The terms VA and VE are used interchangeably throughout the manufacturing and transportation industry, however, many federal agencies, including the Federal Highway Administration (FHWA), use the term VE while Caltrans uses VA. The primary goal of a VA/VE study is to improve value. Value of a project can be measured in many ways including, but not limited to, cost savings, meeting safety objectives, improved project performance, maximized quality, and the mitigation and/or avoidance of risks.

Entity: CTA

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Value Engineering, as it pertains to our transportation projects, is an analysis conducted by a multi-disciplinary team to improve the value of a project, product, or process by identifying and evaluating functions. Benefits to a project from Value Engineering Analysis include, but are not limited to:

- Sound Decision Making
- Problem Solving
- Early Identification/Assess Risk
- Extended Improved Level of Service
- Reduction of Project Costs
- Ensuring land use compatibility
- Discovery of Opportunities/Constraints
- Building Stakeholder Consensus
- Optimizing Staging/Phasing
- Reducing Change Orders
- Improved Quality
- Improved Safety

Both FHWA and Caltrans have implemented the VE/VA program in a well-defined manner. Just as mandates change, instructions and guidance change as well. The policy drafted for consideration is flexible in that it requires adherence to the present-day VE/VA requirements. Recently Moving Ahead for Progress in the 21st Century (MAP-21, Section 1503(a)(3)) amended the applicable project thresholds which is also reflected in the Code of Federal Regulations (23 CFR 627.5(b)).

Staff recommends repealing the existing Value Engineering Policy and approval of the new policy to permit continued compliance with federal and state requirements as statutes and regulations change.

Financial Impact:

This item has no financial impact to the Fiscal Year 2016/2017 Budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel has reviewed this item and the draft policy.

Responsible Staff:

Paula Beauchamp, Project Delivery Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Attachment 1

Value Engineering/Value Analysis Mandates1992

Department of Transportation (DOT) Order 1395.1A, dated May 8, 1992, directs each DOT to strongly encourage the use of Value Engineering for major transportation projects in planning, design, and/or construction phases and federally funded by grants or other federal program.

Office of Management and Budget's (OMB) Value Engineering Circular A-131, dated May 21, 1993, requires each agency to report each fiscal year the results of using VE to OMB, except those agencies whose total budget is under \$10M or whose total procurement obligations do not exceed \$10M in a given fiscal year.

1993

SANBAG Board of Directors approved Policy 34500 Measure I Major Projects Program, Value Engineering, on September 1, 1993, for all projects within the SANBAG Major Projects Program regardless of the lead agency of design. This policy was proposed by staff and approved by the Board because the 1991 Strategic Plan included an assumption that a certain dollar savings against cost estimates for the Major Projects Program projects would result from value engineering.

1995

The National Highway System Designation Act of 1995 required States to carry out a VE analysis for all Federal-aid highway projects on the National Highway System costing \$25 million or more.

1997

On February 14, 1997 the FHWA established the FHWA VE program and the requirement that State Transportation Agencies create and sustain a VE program at Title 23 Code of Federal Regulations Part 627 (23 CFR Part 627).

2005

Section 1904 of the Safe, Accountable, Flexible, Efficient, Transportation Equity Act: A Legacy for Users (SAFETEA-LU), signed into law on August 10, 2005, required that a VE analysis or other cost-reduction analysis be conducted for Federal-aid projects of \$25 million or more in value and bridge projects with an estimated total cost of \$20 million or more and any other projects as designated by the Secretary of Transportation.

2010

FHWA Order 1311.1A Value Engineering Policy is issued on May 25, 2010.

2012

Moving Ahead for Progress in the 21st Century Act (MAP-21) is signed into law July 6, 2012, raising thresholds for triggering VE analysis, removing VE requirements for Design Build projects and requirements that State Transportation Agencies establish and maintain a VE program.

2013

FHWA issued Order 1311.1B FHWA Value Engineering Policy on August 28, 2013, cancelling the previous FHWA Order 1311.1A Value Engineering Policy, issued on May 25, 2010.

2014

Federal Regulations (23 CFR Part 627) are updated on September 5, 2014, to implement the changes made by Section 1503 of MAP-21.

A Final Rule was published by the FHWA on October 6, 2014, updating VE regulations to be consistent with Federal Regulations and MAP-21.

San Bernardino Associated Governments	Policy	34510
Adopted by the Board of Directors August 3, 2016	Revised	New
Measure I Major Projects Program, Value Engineering/Value Analysis	Revision No.	0

Important Notice: A hardcopy of this document may not be the document currently in effect. The current version is always the version on the SANBAG Intranet.

Table of Contents Purpose Definitions Policy Revision History

I. PURPOSE

To identify that Federal and/or State requirements for Value Engineering/Value Analysis change from time to time and assure compliance with the most current State and federal statutes, regulations, and policies.

II. DEFINITIONS

Caltrans – The state highway department as represented within San Bernardino County by District 8

FHWA – Federal Highway Administration

Value Analysis (Caltrans terminology) – same definition as Value Engineering

Value Engineering (FHWA terminology) – A systematic process of reviewing and assessing a project by a multidisciplinary team not directly involved in the planning and development phases of a specific project in order to document recommendations for:

- A. Providing the needed functions, considering community and environmental commitments, safety, reliability, efficiency, and overall lifecycle cost (as defined in 23 U.S.C. 106(f)(2));
- B. Optimizing the value and quality of the project; and
- C. Reducing the time to develop and deliver the project.

III. POLICY

Each project that is led by SANBAG’s Project Delivery Department shall be considered for a Value Engineering/ Value Analysis; and shall be reviewed to determine whether the most current Caltrans’ Value Engineering or FHWA’s Value Analysis requirements apply.

- A. At the present time, aside from design-build projects and bridge projects not located on the National Highway System (NHS), per FHWA, the following Federal-aid highway program funding projects are categorized for Value Engineering Analysis:
 - Projects on the NHS with an estimated total project cost of \$50 million or more;
 - Bridge projects on the NHS with an estimated total project cost of \$40 million or more;
 - Any project designated by the FHWA as a “Major Project” either on or off the NHS that utilizes federal funds for any contract or phase. “Major Projects” are defined at this time as federal aid projects valued over \$500 million or identified by the Secretary of Transportation as being “Major” as result of a special interest.
 - Projects where a VE has not been conducted and a change is made to the project’s scope or design between the final design and the construction contract award which results in an

- increase in the project's total cost exceeding the above noted thresholds.
 - Any other project FHWA determines to be appropriate.
 - Projects delivered utilizing the Construction Manager/General Contractor (CM/GC) method of contracting if any of the above criteria apply.
- B. All SANBAG led projects, that are identified by the most current statutes, by FHWA or by Caltrans' most current requirements as being subject to Value Engineering or Value Analysis, shall conduct said studies in compliance with such requirements in order to meet federal obligation and/or state allocation requirements.

Adopted by Board of Directors: August 3, 2016

REVISION HISTORY

Revision No.	Revisions	Adopted
0	Adopted.	08/02/16

Attachment: Policy 34510 [Revision 1] (2804 : New Policy: Value Engineering/Value Analysis)

Minute Action

AGENDA ITEM: 11

Date: June 9, 2016

Subject:

Interstate 215 Barton Right of Way Agreement Amendment 7

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting as the San Bernardino County Transportation Commission and San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

Approve Amendment No. 7 to Contract No. C12212 with CALTRANS for the Design and Right of Way phases of the Interstate 215 (I-215) Barton Road Avenue Interchange Project to add \$4,466,694 of Surface Transportation Program (STP) Funds to the Right-of-Way Capital, and \$300,000 of Measure I Valley Freeway Funds to the Right-of-Way Support for a new total design and right of way cost of \$38,071,305.

Background:

The I-215 Barton Road Interchange Improvement Project (Project) is currently in the design and Right-of-Way (ROW) phases of project delivery. During these phases, the project has sustained changes of funding types, project delivery methods, agency roles and responsibilities, and cost updates. As a result of these changes, the Cooperative Agreement C12212 between Caltrans and SANBAG for the design and right of way phase has been amended six times. The current proposed amendment to this cooperative agreement serves to increase the total project value by \$4,766,694 for a new total design and right of way cost of \$38,071,305.

An increase of \$300,000 is for right of way support services for providing additional appraisal and acquisition services required as a result of innovation presented by the Construction Manager/General Contractor (CM/GC); support services for eminent domain activities; and additional support services for unanticipated utility coordination efforts. For the right of way capital cost increase, an additional \$4,466,694 is for increased costs associated with temporary construction easement periods, property values, and anticipated settlement or trial amounts. The specifics regarding the cost increases are discussed below.

1. SANBAG Right of way support costs have increased by \$300,000 and can be funded with Measure I Valley Freeway funds for an overall total of \$3,974,943. The increased ROW scope of work includes:
 - Preparation of additional title reports, appraisals, and negotiations for the new parcels needed as a result of the design changes generated by the CM/GC process. Previous amendments included the capital cost of the additional parcels but not the ROW consultant's additional costs to secure these properties.
 - Preparation of support materials and the provision of support services to SANBAG legal counsel during the eminent domain process. A previous amendment revised roles and responsibilities such that the San Bernardino County Transportation Commission would acquire property in its name and conduct Resolutions of

Entity: CTA, CTC

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- Necessity Hearings (RONs) for involuntary acquisitions required by this project. Previously, the California Transportation Commission was to conduct the RONs. That same amendment included funding for legal services but not for the support services.
- Conveyance of properties acquired in the Commission's name and serving Caltrans or the City to the appropriate entity and disposal of excess property. This action is required as a result of the Commission acquiring properties in Commission's name instead of Caltrans' name.
 - Utility coordination increase is due to additional unanticipated utility conflicts with the gas company and water lines, and Edison's eight separate utility agreements (UA); adding to a total of 14 UAs.
2. ROW Capital cost has increased by \$4,466,694 to be funded by Surface Transportation Program funds for a total of \$27,642,275. Of the 37 properties needed for this project, 14 owners have settled, the Board of Directors has adopted Resolutions of Necessity for 11 properties, and 12 owners are still in negotiations with pending RON hearings. In addition utility relocation costs have increased.
- Higher than estimated settlements amounts are under discussion due to rising property values, the FHWA's expansion of the temporary construction easement periods, and additional costs related with the eminent domain process and extended negotiations. The estimate for the acquisition cost has increased \$1,797,399 for a total of \$22,679,150.
 - The utility companies have been working with Caltrans and SANBAG's ROW consultant on identifying utility conflicts, developing utility relocation plans and utility agreements. The previous utility cost was based in preliminary design information. At this time, most of the conflicts have been identified, utility relocation plans are in progress, and several estimates have been sent from the utility companies. The estimates received have increased SANBAG's participation by \$2,669,295 for a total of \$4,963,125.

Just recently utility companies have identified all the conflicts included in the project, designed relocation plans and provided the estimated costs for relocation. In addition, all right of way support and capital costs were updated in an effort to keep the project moving. For this reason, staff recommends approval of this item concurrent with Fiscal Year 2016/2017 budget approval.

Financial Impact:

This item is consistent with the adopted SANBAG Fiscal Year 2016/2017 budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel and Procurement Manager have reviewed this item and the draft amendment.

Responsible Staff:

Paula Beauchamp, Project Delivery Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

08-SBD-215-0.58/1.95
 EA: 0J070
 Project Number: 0800000282
 Federal Funds
 CALTRANS Agreement 08-1537 A/7
 C12212

AMENDMENT NO. 7 TO AGREEMENT 08-1537

THIS AMENDMENT No. 7 (AMENDMENT), entered into and effective on _____, is between the State of California, acting through its Department of Transportation, referred to as CALTRANS, and

San Bernardino County Transportation Authority, a public agency, referred to hereinafter as SANBAG; and

San Bernardino County Transportation Commission, a public agency, referred to hereinafter as COMMISSION.

RECITALS

1. CALTRANS and SANBAG, collectively referred to as PARTNERS, entered into Agreement No. 08-1537 (AGREEMENT) on May 30, 2012, defining the terms and conditions to reconstruct the interchange on Interstate 215 at Barton Road in Grand Terrace, referred to as PROJECT.
2. PARTNERS entered into Amendment Funding Summary No. 2 to AGREEMENT on November 30, 2012, to move \$1,500,000 DEMO funds from PS&E to R/W Capital; reduce \$20,739.00 STIP/RIP capital funds to \$17,400,000; add \$500,646 Section 115 and \$1,980,000 Section 112 funds for PS&E; reduce \$2,332,047 Measure funds to \$1,351.40 for PS&E; and add \$1,839,000 Measure funds for R/W capital.
3. PARTNERS entered into Amendment Funding Summary No. 3 to AGREEMENT on July 23, 2014, to add \$100,000 Measure funds for CALTRANS to perform the R/W support activities.
4. PARTNERS entered into Amendment No. 4 to AGREEMENT on October 30, 2014, to add Construction Manager/General Contractor provisions; designate CALTRANS as the implementing agency for R/W engineering activities; increase DEMO R/W Capital funds from \$1,500,000 to \$2,293,830, add \$557,000 DEMO funds for R/W Support and \$1,801,401 for PS&E Support; decrease Measure funds for PS&E from \$1,351,401 to \$150,000, decrease Measure funds for R/W

- Capital from \$1,839,000 to \$500,000 and increase Measure R/W Support funds from \$1,697,000 to \$2,247,823.
5. PARTNERS entered into Amendment No. 5 to AGREEMENT on October 30, 2015, to add San Bernardino County Transportation Commission as a new party to this AGREEMENT; Allow COMMISSION to provide all necessary R/W services to acquire R/W, exercise its existing power of Eminent Domain to acquire any necessary property for the PROJECT in accordance with California Code of Civil Procedure, Section 1245.235 and to convey by quitclaim deed to CALTRANS all PROJECT acquired right-of-way located within CALTRANS' jurisdictional boundaries within thirty (30) days COMMISSION's request to CALTRANS to accept such acquired property and at no expense to CALTRANS.
 6. PARTNERS entered into Amendment No. 6 to AGREEMENT on April 7, 2016, to add an additional \$909,454 Federal Surface Transportation Program (STP) funds for PS&E.
 7. PARTNERS now seek to amend the AGREEMENT for the following reasons:

Add an additional \$4,466,694 Federal Surface Transportation Program (STP) funds for Right of Way Capital and an additional \$300,000 Measure I funds for Right of Way Support.
 8. A revised FUNDING SUMMARY Number - 7, dated May 18, 2016, is attached and made part of this AMENDMENT.

IT IS THEREFORE MUTUALLY AGREED:

1. A revised FUNDING SUMMARY Number 7, dated May 18, 2016, is attached and made part of the AGREEMENT. Any reference to the FUNDING SUMMARY Number 7 in the AGREEMENT is deemed to refer to the revised FUNDING SUMMARY Number 7 dated May 18, 2016, attached herein.
2. This AMENDMENT is deemed to be included and made part of the AGREEMENT.
3. All other terms and conditions of the AGREEMENT shall remain in full force and effect.

SIGNATURES

PARTNERS declare that:

- 1. Each partner is an authorized legal entity under California state law.
- 2. Each partner has the authority to enter into this agreement.
- 3. The people signing this agreement have the authority to do so on behalf of their public agencies.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SAN BERNARDINO COUNTY
TRANSPORTATION AUTHORITY

APPROVED

APPROVED

By: _____
John Bulinski
District 8 Director

By: _____
Ryan McEachron
Board President

APPROVED AS TO FORM

SAN BERNARDINO COUNTY
TRANSPORTATION COMMISSION

APPROVED

By: _____
Attorney
Department of Transportation

By: _____
Ryan McEachron
Board President

CERTIFIED AS TO FINANCIAL TERMS

ATTEST

By: _____
Accounting Administrator

By: _____
Vicki Watson
SANBAG's and COMMISSION's
Board Clerk

CERTIFIED AS TO FUNDS

APPROVED AS TO FORM

By: _____
Lisa Pacheco
District Budget Manager

By: _____
Eileen Monaghan Teichert
SANBAG's and COMMISSION's Counsel

CONCURRENCE

By: _____
Jeffery Hill
SANBAG's & COMMISSION's
Procurement Manager

Attachment: Agreement 1537 A-7 (DRAFT) [Revision 3] (2842 : Barton Rd ROW COOP Amendment 7)

I-215 Barton Rd IC Funding Summary 7 (Amendment No. 7)

FUNDING SUMMARY

Funding Source	Funding Partner	Fund Type	PS&E Support	R/W Capital	R/W Support	Totals by Fund Type
STATE	SANBAG	STIP/RIP	\$0	\$17,400,000	\$0	\$17,400,000
FEDERAL	SANBAG	Demo*	\$2,256,987	\$3,666,645	\$557,000	\$6,480,632
FEDERAL	SANBAG	Section 115	\$500,646	\$0	\$0	\$500,646
FEDERAL	SANBAG	Section 112	\$1,980,000	\$0	\$0	\$1,980,000
FEDERAL	SANBAG	STP	\$909,454	\$4,466,694	\$0	\$5,376,148
LOCAL	SANBAG	Measure	\$150,000	\$2,108,936	\$4,074,943	\$6,333,879
		Totals by Component	\$5,797,087	\$27,642,275	\$4,631,943	\$38,071,305

*Toll Credit to match DEMO/STP funds : \$2,257 PSE DEMO (\$452k toll credit). \$909,454 PSE STP (\$105k toll credit). \$4,224 ROW DEMO (\$845k toll credit). \$4,466,694 ROW STP (\$513k toll credit)

I-215 Barton Rd IC Funding Summary 7 (Amendment No. 7)

SPENDING SUMMARY

Funding Source	Funding Partner	Fund Type	PS&E SUPPORT		R/W SUPPORT		R/W CAPITAL		Totals by Fund Type
			CALTRANS	SANBAG	CALTRANS	SANBAG	CALTRANS	SANBAG	
AGENCY EXPENDING FUNDS			CALTRANS	SANBAG	CALTRANS	SANBAG	CALTRANS	SANBAG	
STATE	SANBAG	STIP/RIP	\$0	\$0	\$0	\$0	\$0	\$17,400,000	\$17,400,000
FEDERAL	SANBAG	Demo*	\$2,256,987	\$0	\$557,000	\$0	\$0	\$3,666,645	\$6,480,632
FEDERAL	SANBAG	Section 115	\$500,646	\$0	\$0	\$0	\$0	\$0	\$500,646
FEDERAL	SANBAG	Section 112	\$1,980,000	\$0	\$0	\$0	\$0	\$0	\$1,980,000
FEDERAL	SANBAG	STP	\$909,454	\$0	\$0	\$0	\$0	\$4,466,694	\$5,376,148
LOCAL	SANBAG	Measure	\$150,000	\$0	\$100,000	\$3,974,943	\$0	\$2,108,936	\$6,333,879
		Totals by Component	\$5,797,087	\$0	\$657,000	\$3,974,943	\$0	\$27,642,275	\$38,071,305

Attachment: I-215 Barton IC funding summary (2842 : Barton Rd ROW COOP Amendment 7)

Cooperative Agreement History:

The Environmental Phase was concluded in March 2014; however, the SANBAG Board desired to advance the Plans, Specifications and Estimates (PS&E) and right of way (ROW) phases. Therefore, in May 2012, the Board acting as the San Bernardino County Transportation Authority (Authority) approved Cooperative Agreement No. C12212 (Caltrans No. 08-1537) with Caltrans for those phases of the Project. The first amendment revised the funding plan with no scope or cost increase. The second amendment added \$100,000 to begin ROW engineering. The third amendment (entitled Amendment No. 4) revised the funding plan and added \$1,162,653 to fund Construction Management/General Contractor (CM/GC) delivery method and to cover an increase in the estimate for utility coordination and relocation. Amendment five added the San Bernardino County Transportation Commission (Commission) as a party to the Agreement, and identified the Commission as the responsible party for acquiring property in the Commission’s name, exercising Eminent Domain, and conveying property, under the jurisdiction of Caltrans, to Caltrans at the conclusion of the project. Amendment five also increased the PROJECT funding by \$4,964,457 to cover the additional ROW parcels required and the legal costs for the eminent domain process. Amendment six increased PS&E costs by \$909,454 to cover the Independent Cost Estimator (ICE) consultant, Caltrans rate matrix adjustment, and increases on Caltrans’ scope of work due to design changes generated by the CM/GC process.

Agreement or Amendment No. and Funding Summary No.	PS&E Support		R/W Support				Increase	Net Change from Original	Reason for change
	Caltrans	CMGC	R/W Eng CT	SANBAG R/W	R/W Cap	Total			
Orig/ FS 1 BOD May 2012	\$ 3,832,047.00	\$ -	\$ -	\$ 1,597,000.00	\$ 20,739,000.00	\$ 26,168,047.00			
AMEND1 BOD Nov 2012	\$ 3,832,047.00	\$ -	\$ -	\$ 1,597,000.00	\$ 20,739,000.00	\$ 26,168,047.00	\$ -	\$ -	Change Funding Type Only
AMEND 2; FS 3 BOD Jun 2014	\$ 3,832,047.00	\$ -	\$ 100,000.00	\$ 1,597,000.00	\$ 20,739,000.00	\$ 26,268,047.00	\$ 100,000.00	\$ 100,000.00	R/W Engr
AMEND 4; FS 4 BOD OCT 2012	\$ 3,832,047.00	\$ 600,000.00	\$ 657,000.00	\$ 2,147,823.00	\$ 20,193,830.00	\$ 27,430,700.00	\$ 1,162,653.00	\$ 1,262,653.00	CMGC, R/W Engr & Support
AMEND 5; FS 5 BOD Sept 2015	\$ 3,832,047.00	\$ 1,055,586.00	\$ 657,000.00	\$ 3,674,943.00	\$ 23,175,581.00	\$ 32,395,157.00	\$ 4,964,457.00	\$ 6,227,110.00	ICE, Legal Support Services, updated R/W Capital Costs
AMEND 6; FS 6	\$ 4,136,996.00	\$ 1,660,091.00	\$ 657,000.00	\$ 3,674,943.00	\$ 23,175,581.00	\$ 33,304,611.00	\$ 909,454.00	\$ 7,136,564.00	CMGC Procurement/escalation design change/cost negotiation
UNDER CONSIDERATION: AMEND 7; FS 7	\$ 4,136,996.00	\$ 1,660,091.00	\$ 657,000.00	\$ 3,974,943.00	\$ 27,642,275.00	\$ 38,071,305.00	\$ 4,766,694.00	\$ 11,903,258.00	R/w support & capital increases: additional utility coordination, support for eminent domain activities, extended TCE periods, increased property values, trial & settlement estimates.
	\$ 5,797,087.00 Total PS&E Support		\$ 4,631,943.00 Total R/W Support						

Minute Action

AGENDA ITEM: 12

Date: June 9, 2016

Subject:

Preview of the Hearings to Consider Resolution of Necessity for Parcel for the Interstate 215 (I-215) Barton Road Interchange Improvement Project in the City of Grand Terrace

Recommendation:

That the following be reviewed and recommended to proceed to a Hearing of Resolution of Necessity by the Board of Directors, acting as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

A. Conduct a public hearing to consider condemnation of real property required for the I-215 Barton Road Interchange Improvement Project in the City of Grand Terrace; and

B. Upon completion of a public hearing, that the Board of Directors adopt the Resolution of Necessity No. 16-031 authorizing and directing General Counsel, or her designees, to prepare, commence, and prosecute proceedings in eminent domain for the purpose of acquiring necessary right-of-way and real property interests from: Colton Joint Unified School District who is the successor agency for the Terrace Union School District, Trustees of the Terrace School District, County of San Bernardino, State of California, as to Parcel A; and Terrace Union School of San Bernardino County, as to Parcels B, C, and D; (Assessor's Parcel Number [APN] 0275-232-04; Caltrans Parcel Number [CPN] 23345). The Resolution must be approved by at least a two-thirds majority.

Background:

Steady progress has been made towards the start of construction on the I-215 Barton Road Interchange Improvement Project (Project). One of the remaining critical path items is right-of-way acquisition. The SANBAG Board acting as the San Bernardino County Transportation Commission (Commission) has authorized the acquisition of property necessary for this interchange project. Some parcels are being acquired through negotiated sale. The purpose of this agenda item is to present information regarding the upcoming Hearing for Resolution of Necessity for a property needed for construction of the Project but which has not reached a negotiated settlement. The Commission's right-of-way agent, Overland, Pacific & Cutler, Inc. (OPC) presented offers to the Colton Joint Unified School District who is the successor agency to the entities that currently show on title, which are the Terrace Union School District, Trustees of the Terrace School District, County of San Bernardino, State of California and the Terrace Union School of San Bernardino County..

Although negotiations are ongoing, dialogue with the School District for the parcels listed has not yet resulted in settlement, and these parcels need to be acquired through eminent domain, which requires compliance with a statutorily-prescribed process. During the eminent domain process, the Commission's right-of-way agent will continue to negotiate with the School District and attempt to achieve a negotiated settlement for the necessary property interests.

Entity: CTC

The Commission is authorized to acquire property by eminent domain pursuant to the California Public Utilities Code Section 130220.5. Eminent domain will allow the Commission to obtain legal rights to the properties needed for the Project if a negotiated sale cannot be reached. Since the process takes several months, it is necessary to start this process now to ensure that the property interests are obtained to meet the scheduled start of construction in the summer of 2017.

In order to adopt the Resolutions of Necessity, the Commission must make the four findings discussed below for each of the parcels. The issue of the amount of just compensation for these property interests is not addressed during the Resolution of Necessity hearing. The four necessary findings are:

1. The public interest and necessity require the Project.

The Project is located in City of Grand Terrace where if no improvements are made to the interchange, the existing and future traffic congestion will not be mitigated. The proposed improvements, which are consistent with the circulation element of the City of Grand Terrace General Plan, are necessary to reduce existing and future traffic congestion. The congestion is reduced by increasing capacity and enhanced traffic operations.

The Project includes the following improvements:

- Replacement of the existing Barton Road Overcrossing (Bridge No. 54-0528)
- Reconstruction/widening of Barton Road
- Realignment of the existing entrance and exit ramps and roadway improvements on local streets
- Traffic signal modifications
- Roundabout at intersection of Barton Road/southbound ramps/La Crosse Avenue

On Barton Road, the Project construction limits extend from 0.3 miles to 0.4 miles west and east of the I-215 centerline, respectively. The Project construction limits on I-215 begin at 0.73 miles and end at 0.35 miles south and north of the Barton Road centerline, respectively.

2. The Project is planned and located in the manner that will be most compatible with the greatest public good and least private injury.

During the environmental phase of the Project three alternatives were studied. The City of Grand Terrace, SANBAG, and Caltrans selected this alternative to construct as it included the least right-of-way impacts to the community and provided the greatest improvement to circulation. The Project is being constructed in phases to maximize the traffic circulation during construction to the greatest extent possible and to minimize right-of-way impacts to adjacent properties. The proposed design minimizes the property required for the Project, but still requires full acquisitions, partial acquisitions, and temporary construction easements. During the design phase, project planners, engineers, and a construction manager/general contractor considered alternative alignments, work windows, and work area reductions that would provide access to adjacent properties where access to those properties would be affected by the Project. Each alternative was assessed based on the needs and constraints of each property owner. Staff and OPC have also had numerous communications with the property owners about their needs in order to design the Project in a manner that causes the least private injury while accomplishing the greatest public good through construction of the Project.

3. The property sought to be acquired is necessary for the Project.

While some of the Project is being constructed within existing right-of-way, some acquisition from the School District is needed to allow the construction of a new bridge, new road, existing roadbed widening, sound wall, drainage systems, and required utility relocations. For the subject property, the following right-of-way interests are required:

- Permanent Right of Way and Temporary Construction Easement (TCE) from the School District property, (APN 0275-232-04; CPN 23345) is needed to accommodate the improvement of Barton Road and the realignment of the northbound entrance ramp.

4. Offers required by Section 7267.2 of the Government Code have been made to the owner or owners of record.

The subject property was appraised and offer for the full amount of the appraisal were made to the owner or owners of record in accordance with Section 7267.2 of the Government Code.

- The offer for the School District property, (APN 0275-232-04; CPN 23345) was presented on February 15, 2016.

Upon completion of the Project, the Commission will transfer properties acquired for this Project to Caltrans or to the City of Grand Terrace for those real property interests that will be incorporated into the State Highway System or the City facility, respectively.

Financial Impact:

This item has no financial impact to the Fiscal Year 2016/2017 Budget.

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. SANBAG General Counsel has reviewed this item and draft resolution.

Responsible Staff:

Paula Beauchamp, Project Delivery Manager

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Minute Action

AGENDA ITEM: 13

Date: June 9, 2016

Subject:

2016 Federal Earmark Repurposing - San Bernardino Valley Subarea

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors acting in its capacity as the San Bernardino County Transportation Commission, at a regularly scheduled Board meeting:

Approve staff recommendation for 2016 earmark repurposing as shown in Attachment 1.

Background:

On March 8, 2016, the Federal Highway Administration (FHWA) issued guidance on the implementation of an earmark repurposing provision contained in the 2016 Consolidated Appropriations Act. The Consolidated Appropriations Act allows States to repurpose any earmark that was designated on or before September 30, 2005, and is either less than 10 percent obligated or closed out. The repurposing provision is only available during Federal Fiscal Year 2015/2016.

The potential amount available in California for repurposing is approximately \$110-\$200 million. On April 14, 2015, the Earmark Repurpose Working Group agreed that the Regional Transportation Planning Agency (RTPA) would undertake the effort working with the earmark project sponsors in their region to identify eligible earmark projects to be repurposed. It was also agreed by the Working Group that the effort to identify earmark projects for repurposing would be limited to those with an obligation authority (OA) balance of more than \$1,000.

Caltrans has created two earmark lists: one identifying earmarks that were designated before September 30, 2005 and have less than 10 percent obligated, which are available for repurposing; and one identifying earmarks that were designated before September 30, 2005, and have greater than 10 percent obligated, which are only available for repurposing if their final voucher is paid and the project close-out has been completed by June 30, 2016.

Earmark funds are not required to be repurposed, they may remain with their current earmark project. However, the sponsors of such earmark projects are expected to provide proper justification to keep the projects as originally earmarked. The decision to allow the earmark to remain will be made by the local sponsoring agency based upon project timeline and status.

For a project to be eligible for a repurposed earmark, FHWA has established the following guidelines:

Entity: CTA, CTC

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1. The project must be eligible for the Surface Transportation Block Grant (STBG) Program under Fixing America's Surface Transportation Act (FAST Act), formerly known as the Surface Transportation Program (STP) under prior Acts.
2. The project must be within 50 miles of the original earmark project.

Eleven (11) projects have been identified within the San Bernardino Valley subarea with a total of \$26,761,359 earmark funds available for repurposing. SANBAG staff has been working closely with the sponsoring agencies to identify projects that are eligible for earmark repurposing. Attachment 1 identifies each of these earmark projects and the recommended action.

It should be noted that Caltrans has not released information on the process of identifying alternative projects. Once these earmarks are repurposed on an alternate project, the earmark must also be programmed to that alternate project in the Federal Transportation Improvement Program (FTIP). SANBAG staff will continue to work closely with the sponsoring agency once Caltrans releases additional guidance on the repurposing and programming process.

Caltrans requested that the RTPA notify Caltrans of the sponsoring agency's ability to use earmarks according to the following timeline:

May 30, 2016 Deadline for project sponsors to submit all Final Report of Expenditure (FOE) documentation and invoices to Caltrans for earmarks that are currently obligated to active projects. This will allow enough time for Caltrans to complete the close-out process prior to a June 30, 2016, deadline. Any unused earmark funds can be repurposed once the project is closed out.

August 1, 2016 Deadline for RTPAs to submit the request to Caltrans for earmark repurposing.

September 30, 2019 Deadline for obligation of repurposed earmark.

Financial Impact:

This item has no impact on the adopted Fiscal Year 2016/17 Budget

Reviewed By:

This item is not scheduled for review by any other policy committee or technical advisory committee. A similar item concerning earmark funds available for repurposing in the Mountain/Desert subareas is scheduled for review at the Mountain/Desert Policy Committee on June 17, 2016.

Responsible Staff:

Philip Chu, Management Analyst III

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016

Witnessed By:

Attachment 1. Earmark Funds Available for Repurposing and Recommended Action
(San Bernardino Valley Subarea)

Sponsoring Agency	Demo ID/ Legislation	Project Description	Total Earmark	Obligated Amount as of 12/18/2015	Remaining Balance	Repurpose (Y/N)	Recommended Action/Comments
City of Chino	CA 517 SAFETEA-LU	Pine Avenue extension from Route 71 to Euclid Avenue in the City of Chino, California	\$6,119,319	\$2,560,000	\$3,559,319	N	Project underway. City is preparing environmental documents.
City of Colton	CA 651 SAFETEA-LU	Construct grade separations at Washington Ave. and UPRR crossing east and Washington Ave. and La Cadena Drive in Colton	\$359,960	\$0	\$359,960	Y	City of Colton will repurpose to Reche Canyon Realignment to Hunts Lane RTP ID: 4120116
City of Grand Terrace	IMD PL 108-4472005 H020	Interstate 215 at Barton Road overcrossing, City of Grand Terrace, San Bernardino County- interchange reconstruction, including redesign of northbound Barton Road on and off ramps and widening of Barton Road bridge structure	\$1,710,000	\$0	\$1,710,000	Y	IMD fund is not qualified for use on I-215. The city would like to keep the funds on I-215 Barton Road interchange once it is repurposed to STBG.
City of Fontana	CA 395 SAFETEA-LU	Construct Inland Empire Transportation Management Center in Fontana to better regulate traffic and dispatch personnel to incidents	\$1,079,880	\$0	\$1,079,880	Y	City is planning to install fiber optic to bring back video and communications to the Transportation Management Center

Attachment: Attachment 1 - Earmark Repurpose Recommendations (2838 : Earmark Repurposing San

Sponsoring Agency	Demo ID/ Legislation	Project Description	Total Earmark	Obligated Amount as of 12/18/2015	Remaining Balance	Repurpose (Y/N)	Recommended Action/Comments
City of Loma Linda	CA 180 Sec 330	Tippecanoe/I-10 Interchange and medical center access, San Bernardino, California	\$2,980,500	\$1,490,250	\$1,490,250	N	The balance should be \$0 because remaining amount was obligated on I-10 Tippecanoe Phase II construction 6053 (083)
City of Montclair	CA 505 SAFETEA-LU	Ramona Avenue Grade Separation, Montclair, California	\$1,439,840	\$0	\$1,439,840	Y	Repurpose to Central Ave/UPRR Grade Sep Rehab project FTIP: 20131302
City of Ontario	CA 001 93 APP ACT	Access Ontario International Airport	\$3,200,222	\$3,046,139	\$153,861	Y	Repurpose to Grove Ave Corridor project FTIP: 20150201
City of Ontario	CA 001 ISTE A	Access Ontario International Airport	\$4,584,515	\$4,349,173	\$235,342	Y	Repurpose to Grove Ave Corridor project FTIP: 20150201
City of Ontario	CA 001 TEA-21	Access Ontario International Airport	\$9,850,798	\$7,168,817	\$2,681,981	Y	Repurpose to Grove Ave Corridor project FTIP: 20150201
SANBAG	CA 524 SAFETEA-LU	Improve interstates and roads part of the Inland Empire Goods Movement Gateway project in and around the former Norton Air Force Base	\$17,998,000	\$13,811,199	\$4,186,802	N	Will be expended/ obligated onto I-215 Barton IC FTIP SBD 31850, which was included in the Congressional intent letter for this earmark.
SANBAG	CA 744 PNRS	Roadway Improvements in and around the former Norton Airforce Base as part of the Inland Empire Goods Movement Gateway Project	\$49,823,893	\$39,959,769	\$9,864,124	N	Will be expended/ obligated onto I-215 Landscape FTIP: 20150305

Minute Action

AGENDA ITEM: 14

Date: June 9, 2016

Subject:

Funding Allocation and Project List for Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017

Recommendation:

That the following be reviewed and recommended for final approval by the Board of Directors, acting in its capacity as the San Bernardino County Transportation Authority, at a regularly scheduled Board meeting:

- A. Approve the Measure I Funding Allocations for the Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017 as referenced in Table 1 in this Agenda Item.
- B. Approve the Project List for the Measure I Valley Major Street Program/Arterial Sub-Program for Fiscal Year 2016/2017 as referenced in Attachment 1 to this Agenda Item.

Background:

As part of the 2010-2040 Measure I Strategic Plan the SANBAG Board approved creation of the Valley Arterial sub-program under the Major Street Program. Strategic Plan Policy 40006 requires each valley jurisdiction to execute a Jurisdiction Master Agreement with SANBAG to be eligible for reimbursement of Measure I Valley Arterial sub-program funds. The agreements serve as multi-year contracts to apply throughout the remaining life of Measure I 2010-2040. On an annual fiscal year basis, as required by the Jurisdictional Master Agreements, SANBAG is to adopt the Measure I Valley Major Street Program/Arterial Sub-Program Funding Allocations and Project List.

The funding allocations were presented to the SANBAG Board in March 2016 as part of the Fiscal Year 2016/2017 budget planning process. In addition, the allocation includes a partial repayment of deferred allocations that benefited the Project Advancement Agreement (PAA) program.

The Fiscal Year 2016/2017 funding allocations approved by the SANBAG Board in March 2016 are included in Table 1, as well as each jurisdiction's previous allocation amounts. The cumulative allocation through Fiscal Year 2016/2017, which includes any repayment of deferred allocations, is listed in the last column of the table.

Entity: CTA

Table 1
Approved Measure I Valley Major Street/Arterial Sub-Program Allocation Amounts

Jurisdiction	Equitable Share	Cumulative Allocation through 15/16	Approved Adjusted FY 16/17 Allocation	Cumulative Allocation through 16/17
Chino	7.591%	\$2,800,621.59	\$1,104,086.73	\$3,904,708.32
Chino Hills	2.194%	\$749,815.61	\$319,236.20	\$1,069,051.81
Colton	2.534%	\$940,348.16	\$367,173.28	\$1,307,521.44
Fontana	19.400%	\$7,013,582.47	\$2,599,771.41	\$9,613,353.88
Grand Terrace	1.389%	\$511,082.35	\$202,374.43	\$713,456.78
Highland	6.777%	\$2,315,308.71	\$986,254.68	\$3,301,563.39
Loma Linda	4.074%	\$1,389,730.90	\$593,344.27	\$1,983,075.17
Montclair	0.597%	\$203,795.22	\$81,000.88	\$284,796.10
Ontario	12.272%	\$4,195,003.96	\$1,679,741.55	\$5,874,745.51
Rancho Cucamonga	5.044%	\$2,010,159.95	\$561,546.12	\$2,571,706.07
Redlands	4.854%	\$1,653,178.53	\$707,510.82	\$2,360,689.35
Rialto	3.831%	\$1,403,900.99	\$559,629.28	\$1,963,530.27
San Bernardino	7.857%	\$2,705,645.20	\$1,144,040.02	\$3,849,685.22
Upland	2.743%	\$1,063,942.82	\$382,182.03	\$1,446,124.85
Yucaipa	5.965%	\$2,541,429.09	\$643,080.53	\$3,184,509.62
County	12.878%	\$6,653,098.82	\$1,388,363.97	\$8,041,462.79
Arterial Allocation	100.00%	\$38,150,644.37	\$13,319,336.20	\$51,469,980.57

The Project List in Attachment 1 represents the projects for which expenditures are eligible for reimbursement in Fiscal Year 2016/2017. The project list is based on the submittals jurisdictions provided to SANBAG as part of their Capital Project Needs Analysis (CPNA) submittal. The list includes all projects listed for Fiscal Years 2016/2017 and 2017/2018 plus projects for which there were prior expenditures that have not been fully reimbursed. Staff is requesting approval of the Project List.

The Transportation Technical Advisory Committee (TTAC) reviewed the funding allocations (Table 1) on February 1, 2016, prior to SANBAG Board approval in March 2016. The Project List (Attachment 1) was reviewed by TTAC on April 4, 2016.

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Financial Impact:

This item is not consistent with the Fiscal Year 2016/2017 Budget, Subtask No. 0515, Measure I Valley Apportionment and Allocation. A future budget amendment may be needed depending on actual reimbursement requests.

Reviewed By:

The information in this item was reviewed by the Transportation Technical Advisory Committee on April 4, 2016. It is not scheduled for review by any other policy committee.

Responsible Staff:

Ellen Pollema, Management Analyst II

Approved
Board of Directors Metro Valley Study Session
Date: June 9, 2016
Witnessed By:

ATTACHMENT 1

Measure I Valley Major Street Program/Arterial Sub-Program
Projects Eligible for Reimbursement in FY2016/2017

Project Information					Eligible for Reimbursement			
Agency	2015 Nexus Study?	Nexus Study Project Cost Estimate	Project Type	Public Share	Nexus Study Project Description	PRIOR	FY16-17	FY17-18
Chino	Yes	\$278,000	ART	64.80%	Construct Traffic Signal at the Intersection of Eucalyptus and Mountain	\$0	\$5,000	\$134,000
Chino	Yes	\$198,740	ART	64.80%	Construct Traffic Signal at the Intersection of Kimball and Main	\$99,370	\$0	\$0
Chino	Yes	\$258,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and El Prado	\$1,000	\$10,000	\$75,000
Chino	Yes	\$333,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and Euclid	\$1,000	\$10,000	\$100,000
Chino	Yes	\$334,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and Main Street	\$0	\$4,000	\$163,000
Chino	Yes	\$334,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and Sultana Ave	\$0	\$4,000	\$163,000
Chino	Yes	\$334,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and Mill Creek/Chino-Corona Rd	\$0	\$4,000	\$163,000
Chino	Yes	\$334,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and Rincon Meadows Ave	\$0	\$4,000	\$163,000
Chino	Yes	\$333,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and SR-71	\$1,000	\$10,000	\$100,000
Chino	Yes	\$334,000	ART	64.80%	Construct Traffic Signal at the Intersection of Pine Avenue and West Preserve Loop	\$4,000	\$163,000	\$0
Chino	Yes	\$1,854,000	ART	64.80%	Widen El Prado Road from Central Ave to Pine from 2 to 4 lanes	\$0	\$63,000	\$264,000
Chino	Yes	\$6,794,000	ART	64.80%	Widen Pine Ave from Hellman Ave to Euclid Ave from 2 to 4 lanes	\$0	\$215,000	\$353,000
Chino	Yes	\$31,387,120	ART	64.80%	Widen Pine Avenue from Euclid Avenue to SR 71 from 2 to 4 lanes	\$185,000	\$150,000	\$400,000
Chino		\$43,105,860			Total	\$291,370	\$642,000	\$2,078,000
Chino Hills		\$0			Total	\$0	\$0	\$0
Colton	Yes	\$1,070,000	ART	56.40%	Realign Reche Canyon Rd to Hunts Ln from Washington St to City limit and Widen Reche Canyon Rd from City limit to City/Riverside city limits from 2 lanes to 4 lanes	\$0	\$0	\$153,408
Colton	Yes	\$26,054,640	ART	56.40%	Widen La Cadena Dr from Rancho Ave to Iowa split including bridge over Santa Ana River from 4 to 6 lanes	\$169,820	\$94,300	\$84,600
Colton	Yes	\$468,100	ART	56.40%	Extend Washington St to La Cadena Dr	\$0	\$52,734	\$0
Colton	Yes	\$11,149,708	ART	56.40%	Mount Vernon Bridge over UPRR Widening Project	\$293,910	\$57,105	\$57,105
Colton		\$38,742,448			Total	\$463,730	\$204,139	\$295,113
Fontana	Yes	\$4,769,000	ART	67.90%	Beech: Construct 4 lanes extending the street from Miller to Foothill	\$11,757	\$1,486,853	\$0
Fontana	Yes	\$7,881,000	ART	67.90%	Foothill: widen from Citrus Ave to Maple Ave from 4 to 6 lanes	\$109,767	\$931,671	\$0
Fontana	Yes	\$6,365,000	ART	67.90%	Citrus: widen from Jurupa Ave to Slover Ave from 2 to 4 lanes	\$84,695	\$88,273	\$746,511
Fontana	Yes	\$9,767,000	ART	67.90%	Sierra: Foothill Blvd to Baseline Rd widen from 4 to 6 lanes	\$574,474	\$1,171,979	\$0
Fontana	Yes	\$5,059,440	ART	67.90%	Etiwanda/Slover Intersection	\$0	\$241,996	\$3,193,364
Fontana		\$33,841,440			Total	\$780,693	\$3,920,772	\$3,939,875
Grand Terrace	Yes	\$1,752,730	ART	60.10%	Widen Michigan Ave from Commerce Way to Main St from two lanes to four lanes	\$443,000	\$114,000	\$117,000
Grand Terrace		\$1,752,730			Total	\$443,000	\$114,000	\$117,000
Highland	Yes	\$21,044,000	LOAN	N/A	SR210/Base Line Interchange	\$209,000	\$454,000	\$692,000
Highland		\$21,044,000			Total	\$209,000	\$454,000	\$692,000
Loma Linda		\$0			Total	\$0	\$0	\$0
Montclair	Yes	\$12,000,000	ART	81.10%	Widen Monte Vista Ave from San Bernardino St to Arrow Hwy from 4 to 6 lanes	\$0	\$1,000,000	\$1,000,000
Montclair	Yes	\$35,000,000	ART	81.10%	Monte Vista and UPRR Grade Separation	\$38,000	\$0	\$0
Montclair		\$47,000,000			Total	\$38,000	\$1,000,000	\$1,000,000

ATTACHMENT 1

Measure I Valley Major Street Program/Arterial Sub-Program
Projects Eligible for Reimbursement in FY2016/2017

Project Information						Eligible for Reimbursement		
Agency	2015 Nexus Study?	Nexus Study Project Cost Estimate	Project Type	Public Share	Nexus Study Project Description	PRIOR	FY16-17	FY17-18
Ontario	Yes	\$4,693,000	ART	55.60%	Widen Grove Ave from I-10 Frwy to Holt Blvd from 4 to 6 lanes, including W. Cuc. Creek Bridge	\$465,402	\$644,231	\$527,505
Ontario	Yes	\$2,400,000	ART	55.60%	Widen Holt Blvd. from 750 ft west of to 750 ft east of Grove Ave from 4 to 6 lanes	\$209,890	\$597,005	\$527,505
Ontario	Yes	\$3,500,000	ART	55.60%	Widen Holt Blvd. from 750 ft. west of to 750 ft. east of Mountain Ave. from 4 to 6 lanes	\$396,150	\$872,225	\$677,625
Ontario	Yes	\$3,500,000	ART	55.60%	Widen Mountain Ave. between Brooks and Vesta Streets from 4 to 6 lanes	\$396,150	\$872,225	\$677,625
Ontario		\$14,093,000			Total	\$1,467,592	\$2,985,686	\$2,410,260
Rancho Cucamonga	Yes	\$7,503,040	ART	71.30%	Wilson Ave from East Ave to Wardman Bullock Rd - new street	\$1,659,400	\$300,000	\$288,000
Rancho Cucamonga	Yes	\$391,640	ART	71.30%	Widen Victoria Ave. from EHS to I-15	\$11,864	\$267,375	\$0
Rancho Cucamonga	Yes	\$298,420	ART	71.30%	Construct a Traffic Signal at the Intersection of 6th and Utica	\$7,785	\$204,987	\$0
Rancho Cucamonga	Yes	\$290,920	ART	71.30%	Construct a Traffic Signal at the Intersection of Carnelia and Banyan	\$7,785	\$199,640	\$0
Rancho Cucamonga		\$8,484,020			Total	\$1,686,834	\$972,002	\$288,000
Redlands	Yes	\$450,000	ART	76.90%	Construct a Traffic Signal at the Intersection of Sixth Ave and I-10 EB on-ramp	\$0	\$0	\$173,000
Redlands	Yes	\$450,000	ART	76.90%	Construct a Traffic Signal at the Intersection of Sixth Ave and I-10 WB on-ramp	\$0	\$0	\$173,000
Redlands	Yes	\$460,000	ART	76.90%	Construct a Traffic Signal at the Intersection of Ford St and I-10 WB	\$0	\$0	\$43,000
Redlands	Yes	\$675,260	LOAN	N/A	I-10 University Interchange	\$95,700	\$260,320	\$313,930
Redlands		\$2,035,260			Total	\$95,700	\$260,320	\$702,930
Rialto	Yes	\$15,022,009	ART	59.10%	Pepper Avenue Extension	\$8,878,008	\$0	\$0
Rialto	Yes	\$9,199,174	ART	59.10%	Ayala Ave Widening - Ayala Rd from Baseline Rd to Easton Ave from 2 to 4 lanes	\$5,436,713	\$0	\$0
Rialto	Yes	\$13,314,108	ART	59.10%	Alder Widening City Project No. 140801	\$451,003	\$382,757	\$7,064,878
Rialto	Yes	\$4,700,000	ART	59.10%	Randall Widening City Project No. 140809	\$286,551	\$245,350	\$2,245,800
Rialto	Yes	\$6,426,317	ART	59.10%	Riverside Av & San Bernardino Av Widening	\$3,563,173	\$0	\$0
Rialto	Yes	\$481,229	ART	59.10%	Cactus Avenue Widening South of Foothill, City Project No. 130809	\$284,407	\$0	\$0
Rialto	Yes	\$1,100,000	ART	59.10%	Valley Cactus Linden Widening City Project No. 140802	\$252,568	\$102,032	\$295,500
Rialto	Yes	\$61,090	ART	59.10%	Eucalyptus Widening City Project No. 140808	\$36,104	\$0	\$0
Rialto	Yes	\$1,550,000	ART	59.10%	Riverside Linden Widening & TS City project No. 120802	\$916,050	\$0	\$0
Rialto		\$51,853,927			Total	\$20,104,577	\$730,139	\$9,606,178
San Bernardino	Yes	\$79,043,000	ART	67.60%	Mount Vernon Viaduct Bridge Replacement	\$835,000	\$226,000	\$1,282,000
San Bernardino	Yes	\$6,407,000	ART	67.60%	Extension of State Street between Foothill Blvd (SR66) and Hanford St, from 0 to 4 lanes	\$362,000	\$604,000	\$324,000
San Bernardino	Yes	\$2,845,000	ART	67.60%	Widen 40th Street between Johnson Street and Electric Avenue from 2 to 4 lanes	\$20,000	\$239,000	\$68,000
San Bernardino	Yes	\$815,000	ART	67.60%	Widen "H" Street between Kendall Drive and 40th Street from 2 to 4 lanes	\$0	\$2,000	\$20,000
San Bernardino		\$89,110,000			Total	\$1,217,000	\$1,071,000	\$1,694,000
San Bernardino County - Fontana Sphere	Yes	\$1,018,457	ART	58.30%	Widen Cherry Ave bridge from Merrill Ave to Whittram from 4 to 6 lanes	\$593,760	\$0	\$0
San Bernardino County - Fontana Sphere	Yes	\$3,265,490	ART	58.30%	PH1: Widen San Bernardino Ave from Cherry Ave to Fontana City Limits from 2 to 4 lanes	\$84,821	\$17,490	\$1,801,470
San Bernardino County - Rialto Sphere	Yes	\$10,082,304	ART	62.40%	PH B: Widen Slover Ave from Tamarind Ave to Alder Ave & from Linden Ave to Cedar Ave from 2 to 4 lanes	\$702,384	\$1,615,072	\$0
San Bernardino County		\$14,366,251			Total	\$1,380,965	\$1,632,562	\$1,801,470
Upland	Yes	\$6,000,000	ART	60.60%	Widen Foothill Blvd from County Line to Central Ave from 2 to 6 lanes	\$3,591,000	\$0	\$0
Upland	Yes	\$1,870,000	ART	60.60%	Widen Arrow Hwy from County Line to Central Ave from 2 to 4 lanes	\$3	\$0	\$0
Upland		\$7,870,000			Total	\$3,591,003	\$0	\$0

ATTACHMENT 1

Measure I Valley Major Street Program/Arterial Sub-Program Projects Eligible for Reimbursement in FY2016/2017								
Project Information						Eligible for Reimbursement		
Agency	2015 Nexus Study?	Nexus Study Project Cost Estimate	Project Type	Public Share	Nexus Study Project Description	PRIOR	FY16-17	FY17-18
Yucaipa	Yes	\$929,000	ART	69.10%	Widen County Line Rd from I-10 to Calimesa Blvd from 2 to 4 lanes	\$15,000	\$0	\$0
Yucaipa	Yes	\$210,000	ART	69.10%	Widen Calimesa Bl from Oak Glen Rd to County Line Rd from 2 to 4 lanes	\$55,000	\$0	\$0
Yucaipa	Yes	\$914,000	ART	69.10%	Widen 5th St from Yucaipa Bl to County Line Rd from 2 to 4 lanes	\$55,000	\$0	\$0
Yucaipa	Yes	\$2,410,000	ART	69.10%	Widen Ave E from 14th St to Bryant St from 2 to 4 lanes	\$621,000	\$112,000	\$447,000
Yucaipa	Yes	\$8,800,000	ART	69.10%	Widen Yucaipa Bl from I-10 to 15th St from 4 to 6 lanes	\$1,411,000	\$480,000	\$144,000
Yucaipa		\$13,263,000			Total	\$2,157,000	\$592,000	\$591,000
GRAND TOTALS		\$386,561,936				\$33,926,464	\$14,578,620	\$25,215,826

BOARD OF DIRECTORS METRO VALLEY STUDY SESSION ATTENDANCE RECORD – 2016

Name	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Curt Hagman Board of Supervisors	X	X	X	X	X							
James Ramos Board of Supervisors	X	X	X	X	X							
Janice Rutherford Board of Supervisors	X	X		X	X							
Josie Gonzales Board of Supervisors	X	X	X									
Robert Lovingood Board of Supervisors	X				X							
Rich Kerr City of Adelanto												
Curt Emick Town of Apple Valley												
Julie McIntyre City of Barstow												
Bill Jahn City of Big Bear Lake	X	X	X	X	X							
Dennis Yates City of Chino	X	X	X	X	X							
Ed Graham City of Chino Hills	X		X		X							
Frank Navarro City of Colton	X	X	X	X	X							
Michael Tahan City of Fontana	X	X	X	X	X							
Darcy McNaboe City of Grand Terrace	X	X*	X	X								
Eric Schmidt City of Hesperia												
Larry McCallon City of Highland	X			X	X							

Communication: Attendance (Additional Information)

X = member attended meeting. * = alternate member attended meeting. Empty box = Did not attend meeting. Crossed out box = not a Board Member at the time.

BOARD OF DIRECTORS METRO VALLEY STUDY SESSION ATTENDANCE RECORD – 2016

Name	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Rhodes ‘Dusty’ Rigsby City of Loma Linda	X	X	X		X							
Paul Eaton City of Montclair	X	X	X	X								
Edward Paget City of Needles												
Alan Wapner City of Ontario	X	X	X	X	X							
L. Dennis Michael City of Rancho Cucamonga		X	X	X	X							
Jon Harrison City of Redlands	X	X	X	X	X							
Deborah Robertson City of Rialto		X		X								
R. Carey Davis City of San Bernardino	X	X	X	X	X							
Joel Klink City of Twentynine Palms												
Ray Musser City of Upland	X	X	X	X	X							
Ryan McEachron City of Victorville	X	X			X							
Dick Riddell City of Yucaipa	X	X	X	X	X							
George Huntington Town of Yucca Valley												

Communication: Attendance (Additional Information)

X = member attended meeting. * = alternate member attended meeting. Empty box = Did not attend meeting. Crossed out box = not a Board Member at the time.

MVSSatt16 Shaded box = No meeting

San Bernardino Associated Governments (SANBAG) is a council of governments formed in 1973 by joint powers agreement of the cities and the County of San Bernardino. SANBAG is governed by a Board of Directors consisting of a mayor or designated council member from each of the twenty-four cities in San Bernardino County and the five members of the San Bernardino County Board of Supervisors.

In addition to SANBAG, the composition of the SANBAG Board of Directors also serves as the governing board for several separate legal entities listed below:

***The San Bernardino County Transportation Commission**, which is responsible for short and long range transportation planning within San Bernardino County, including coordination and approval of all public mass transit service, approval of all capital development projects for public transit and highway projects, and determination of staging and scheduling of construction relative to all transportation improvement projects in the Transportation Improvement Program.*

***The San Bernardino County Transportation Authority**, which is responsible for administration of the voter-approved half-cent transportation transactions and use tax levied in the County of San Bernardino.*

***The Service Authority for Freeway Emergencies**, which is responsible for the administration and operation of a motorist aid system of call boxes on State freeways and highways within San Bernardino County.*

***The Congestion Management Agency**, which analyzes the performance level of the regional transportation system in a manner which ensures consideration of the impacts from new development and promotes air quality through implementation of strategies in the adopted air quality plans.*

*As a **Subregional Planning Agency**, SANBAG represents the San Bernardino County subregion and assists the Southern California Association of Governments in carrying out its functions as the metropolitan planning organization. SANBAG performs studies and develops consensus relative to regional growth forecasts, regional transportation plans, and mobile source components of the air quality plans.*

Items which appear on the monthly Board of Directors agenda are subjects of one or more of the listed legal authorities. For ease of understanding and timeliness, the agenda items for all of these entities are consolidated on one agenda. Documents contained in the agenda package are clearly marked with the appropriate legal entity.

This list provides information on acronyms commonly used by transportation planning professionals. This information is provided in an effort to assist SANBAG Board Members and partners as they participate in deliberations at SANBAG Board meetings. While a complete list of all acronyms which may arise at any given time is not possible, this list attempts to provide the most commonly-used terms. SANBAG staff makes every effort to minimize use of acronyms to ensure good communication and understanding of complex transportation processes.

AB	Assembly Bill
ACE	Alameda Corridor East
ACT	Association for Commuter Transportation
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
APTA	American Public Transportation Association
AQMP	Air Quality Management Plan
ARRA	American Recovery and Reinvestment Act
ATMIS	Advanced Transportation Management Information Systems
BAT	Barstow Area Transit
CALACT	California Association for Coordination Transportation
CALCOG	California Association of Councils of Governments
CALSAFE	California Committee for Service Authorities for Freeway Emergencies
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CMAQ	Congestion Mitigation and Air Quality
CMIA	Corridor Mobility Improvement Account
CMP	Congestion Management Program
CNG	Compressed Natural Gas
COG	Council of Governments
CPUC	California Public Utilities Commission
CSAC	California State Association of Counties
CTA	California Transit Association
CTC	California Transportation Commission
CTC	County Transportation Commission
CTP	Comprehensive Transportation Plan
DBE	Disadvantaged Business Enterprise
DEMO	Federal Demonstration Funds
DOT	Department of Transportation
EA	Environmental Assessment
E&D	Elderly and Disabled
E&H	Elderly and Handicapped
EIR	Environmental Impact Report (California)
EIS	Environmental Impact Statement (Federal)
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FSP	Freeway Service Patrol
FRA	Federal Railroad Administration
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
GFOA	Government Finance Officers Association
GIS	Geographic Information Systems
HOV	High-Occupancy Vehicle
ICTC	Interstate Clean Transportation Corridor
IEEP	Inland Empire Economic Partnership
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
IIP/ITIP	Interregional Transportation Improvement Program
ITS	Intelligent Transportation Systems
IVDA	Inland Valley Development Agency
JARC	Job Access Reverse Commute
LACMTA	Los Angeles County Metropolitan Transportation Authority
LNG	Liquefied Natural Gas
LTF	Local Transportation Funds

MAGLEV	Magnetic Levitation
MARTA	Mountain Area Regional Transportation Authority
MBTA	Morongo Basin Transit Authority
MDAB	Mojave Desert Air Basin
MDAQMD	Mojave Desert Air Quality Management District
MOU	Memorandum of Understanding
MPO	Metropolitan Planning Organization
MSRC	Mobile Source Air Pollution Reduction Review Committee
NAT	Needles Area Transit
NEPA	National Environmental Policy Act
OA	Obligation Authority
OCTA	Orange County Transportation Authority
PA&ED	Project Approval and Environmental Document
PASTACC	Public and Specialized Transportation Advisory and Coordinating Council
PDT	Project Development Team
PNRS	Projects of National and Regional Significance
PPM	Planning, Programming and Monitoring Funds
PSE	Plans, Specifications and Estimates
PSR	Project Study Report
PTA	Public Transportation Account
PTC	Positive Train Control
PTMISEA	Public Transportation Modernization, Improvement and Service Enhancement Account
RCTC	Riverside County Transportation Commission
RDA	Redevelopment Agency
RFP	Request for Proposal
RIP	Regional Improvement Program
RSTIS	Regionally Significant Transportation Investment Study
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTPA	Regional Transportation Planning Agencies
SB	Senate Bill
SAFE	Service Authority for Freeway Emergencies
SAFETEA-LU	Safe Accountable Flexible Efficient Transportation Equity Act – A Legacy for Users
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCRRA	Southern California Regional Rail Authority
SHA	State Highway Account
SHOPP	State Highway Operations and Protection Program
SOV	Single-Occupant Vehicle
S RTP	Short Range Transit Plan
STAF	State Transit Assistance Funds
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
TAC	Technical Advisory Committee
TCIF	Trade Corridor Improvement Fund
TCM	Transportation Control Measure
TCRP	Traffic Congestion Relief Program
TDA	Transportation Development Act
TEA	Transportation Enhancement Activities
TEA-21	Transportation Equity Act for the 21 st Century
TMC	Transportation Management Center
TMEE	Traffic Management and Environmental Enhancement
TSM	Transportation Systems Management
TSSDRA	Transit System Safety, Security and Disaster Response Account
USFWS	United States Fish and Wildlife Service
VCTC	Ventura County Transportation Commission
VVTA	Victor Valley Transit Authority
WRCOG	Western Riverside Council of Governments

San Bernardino Associated Governments



MISSION STATEMENT

To enhance the quality of life for all residents, San Bernardino Associated Governments (SANBAG) will:

- Improve cooperative regional planning
- Develop an accessible, efficient, multi-modal transportation system
- Strengthen economic development efforts
- Exert leadership in creative problem solving

To successfully accomplish this mission, SANBAG will foster enhanced relationships among all of its stakeholders while adding to the value of local governments.

Approved June 2, 1993
Reaffirmed March 6, 1996