

City of San Diego

CONTRACTOR'S NAME: Blue Pacific Engineering & Construction

ADDRESS: 7330 Opportunity Road, Suite J, San Diego, CA 92111

TELEPHONE NO.: 858-956-1456

FAX NO.: 619-291-0482

CITY CONTACT: Rosa Riego - Contract Specialist, Email: RRiego@sandiego.gov

Phone No. (619) 533-34X26 Fax No. (619) 533-3633

J. Garcia / J. Borja / Lad

BIDDING DOCUMENTS



ORIGINAL



FOR

SR94/EUCLID AVENUE INTERCHANGE-PHASE 2

BID NO.: K-17-1581-DBB-3

SAP NO. (WBS/IO/CC): S-14009

CLIENT DEPARTMENT: 2116

COUNCIL DISTRICT: 4

PROJECT TYPE: ID

THIS CONTRACT WILL BE SUBJECT TO THE FOLLOWING:

- > THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM
- > PREVAILING WAGE RATES: STATE FEDERAL
- > APPRENTICESHIP

BID DUE DATE:

2:00 PM

JUNE 20, 2017

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

1010 SECOND AVENUE, 14th FLOOR, MS 614C

SAN DIEGO, CA 92101

ENGINEER OF WORK


The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:


1) Registered Engineer

5/4/2017
Date

Seal:




2) For City Engineer

5/3/2017
Date

Seal:

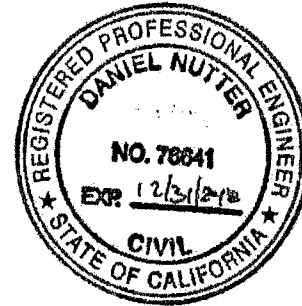


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NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **SR94/Euclid Avenue Interchange-Phase 2**. For additional information refer to Attachment A.
2. **FULL AND OPEN COMPETITION:** This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$3,290,000**.
4. **BID DUE DATE AND TIME ARE: JUNE 20, 2017, AT 2:00 P.M.**
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classification is required for this contract: **A**
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract.
 - 7.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	6.5%
2. ELBE participation	8.6%
3. Total mandatory participation	15.1%
 - 7.2. The Bid may be declared non-responsive if the Bidder fails the meet the following requirements:
 - 7.2.1. Attend the Pre-Bid Meeting as described herein.
 - 7.2.2. Include SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; **OR**

7.2.3. Submit Good Faith Effort documentation, saved in searchable Portable Document Format (PDF) and stored on Compact Disc (CD) or Digital Video Disc (DVD), demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Days of the Bid opening if the overall mandatory participation percentage is not met.

8. PRE-BID MEETING:

8.1. Prospective Bidders are encouraged to attend the Pre-Bid Meeting. The purpose of the meeting is to discuss the scope of the Project, submittal requirements, the pre-qualification process and any Equal Opportunity Contracting Program requirements and reporting procedures. To request a sign language or oral interpreter for this visit, call the Public Works Contracts Division at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. The Pre-Bid meeting is scheduled as follows:

Date: **MAY 17, 2017**

Time: **AT 10:00 AM**

Location: **Second Avenue, Suite 1400 (Large Conf. Rm), San Diego, CA 92101**

Attendance at the Pre-Submittal Meeting will be evidenced by the Bidder's representative's signature on the attendance roster. It is the responsibility of the Bidder's representative to complete and sign the attendance roster.

9. AWARD PROCESS:

9.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.

9.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening. The City will then award the Contract within approximately 14 days of receipt of properly signed Contract, bonds, and insurance documents.

9.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.

9.4. The low Bid will be determined by the Base Bid alone.

9.5. Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.

10. SUBMISSION OF QUESTIONS:

- 10.1.** The Director (or Designee) of Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. Any questions related to this solicitation shall be submitted to:

Public Works Contracts
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Rosa Riego - Contract Specialist

OR:

RRiego@sandiego.gov

- 10.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 10.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.
- 10.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.
- 11.** SUPPLEMENTAL AGREEMENTS: Supplemental agreements attached to this contract for the items of Work such as extended revegetation maintenance and monitoring and emulsion aggregate slurry shall be signed by the BIDDER at the time of submission of the primary BID. The signed agreements shall be accompanied by the evidence of a bond (i.e., labor and materials) and insurance as specified in 2-4, "CONTRACT BONDS," 7-3, "LIABILITY INSURANCE," and 7-4 WORKERS' COMPENSATION INSURANCE. Bonds shall be in amount of the Contract Price for the Work included in the supplemental agreements.
- 12.** Partial Release of Performance Bond and Labor and Materialmen's Bond: For information regarding partial release of bonds for this Contract, see Supplementary Special Provisions, Appendix H.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting a Bid must be pre-qualified for the total amount proposed, including all alternate items, prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

<http://www.sandiego.gov/cip/bidopps/prequalification.shtml>

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- 1.3. Due to the City's responsibility to protect the confidentiality of the contractors' information, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on [PlanetBids™](#).

2. **ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS:** Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.

- 2.1. **BIDDERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.

2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.

2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME. Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCP compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.

2.6. RECAPITULATION OF THE WORK. Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.

2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.

2.7.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE: To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed on the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.

3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.

- 3.3.** The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.
- 3.4.** The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
- 4. BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
- 5. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**
- 5.1. Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:

<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.
- 5.2.** The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
- 6. JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 7-6, "The Contractors Representative" in The GREENBOOK and 7-6.1 in The WHITEBOOK.
- 7. PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.
- 8. SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract. Refer to Attachment E.

9. INSURANCE REQUIREMENTS:

- 9.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.
- 9.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

10. REFERENCE STANDARDS: Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2015	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/publicworks/edocref/greenbook	2015	PWPI070116-02
City of San Diego Standard Drawings* https://www.sandiego.gov/publicworks/edocref/standarddraw	2016	PWPI070116-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/publicworks/edocref/drawings	2016	PWPI092816-04
California Department of Transportation (CALTRANS) Standard Specifications - http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-05
CALTRANS Standard Plans http://www.dot.ca.gov/des/oe/construction-contract-standards.html	2015	PWPI092816-06
California Manual on Uniform Traffic Control Devices Revision 1 (CA MUTCD Rev 1) - http://www.dot.ca.gov/trafficops/camutcd/	2014	PWPI092816-07
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

11. CITY'S RESPONSES AND ADDENDA: The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addenda are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.

12. CITY'S RIGHTS RESERVED: The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.

13. CONTRACT PRICING: This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

14. SUBCONTRACTOR INFORMATION:

14.1. LISTING OF SUBCONTRACTORS. In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3, "Subcontracts", which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

14.2. LISTING OF SUPPLIERS. Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY)** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer.

If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

- 14.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.
- 15. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 16. AWARD:**
- 16.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 17. SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
- 18. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
- 19. ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 20. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, First floor and submit to the

Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.

21. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY) FOR DESIGN-BID-BUILD CONTRACTS:

21.1. For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.

21.2. This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.

21.3. The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.

21.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.

21.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

22.1. This contract may be awarded to the lowest responsible and reliable Bidder.

22.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.

22.3. The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.

22.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening,

written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.

- 22.5.** A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 22.6.** The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 22.7.** Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 22.8.** The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

23. BID RESULTS:

- 23.1.** The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- 23.2.** To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

24. THE CONTRACT:

- 24.1.** The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2.** If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

24.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.

24.4. Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.

24.5. The award of the Contract is contingent upon the satisfactory completion of the above-mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK: The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.

26. CITY STANDARD PROVISIONS: This contract is subject to the following standard provisions. See The WHITEBOOK for details.

26.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.

26.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

26.3. The City of San Diego Municipal Code §22.3004 for Contractor Standards.

- 26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 26.5. Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

27. PRE-AWARD ACTIVITIES:

- 27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
- 27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Blue Pacific Engineering & Construction, a corporation, as principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Three Million Seven Hundred Thirty Nine Thousand Nine Hundred Ninety Three Dollars and Zero Cents (\$3,739,993.00) for the faithful performance of the annexed contract, and in the sum of Three Million Seven Hundred Thirty Nine Thousand Nine Hundred Ninety Three Dollars and Zero Cents (\$3,739,993.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract with the City of San Diego, California, then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Article 2, Claimants, (III) public works of improvement commencing with Civil Code Section 9100 of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

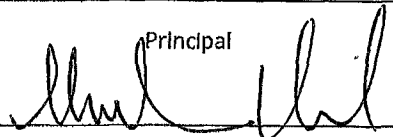
The Surety shall pay reasonable attorney's fees should suit be brought to enforce the provisions of this bond.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND (continued)

Dated AUGUST 14, 2017

Approved as to Form

BLUE PACIFIC ENGINEERING & CONSTRUCTION

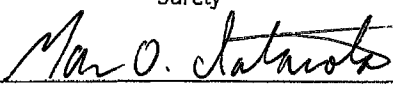
Principal
By 

SHAARAM EL-HO
Printed Name of Person Signing for Principal

Mara W. Elliott, City Attorney

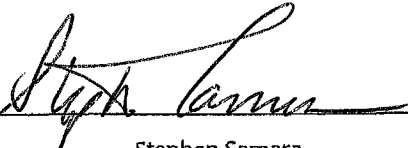
By 
Deputy City Attorney

NORTH AMERICAN SPECIALTY
INSURANCE COMPANY

Surety
By 

MARK D. IATAROLA, Attorney-In-fact

Approved:

By 
Stephen Samara
Principal Contract Specialist
Public Works Department

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

SANTA ANA, CA 92707

Local Address (City, State) of Surety

714/550-4141

Local Telephone No. of Surety

Premium \$ 37,800.00

PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRICE

Bond No. 2261515

ATTACHMENTS

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

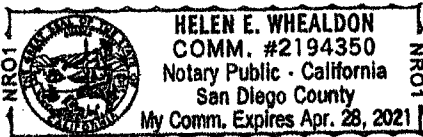
State of California)
County of SAN DIEGO)

On 8/14/2017 before me, HELEN E. WHEALDON, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature Helen E. Whealdon
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____
Signer Is Representing: _____

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

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,
and MARK D. IATAROLA

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:
FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.



By [Signature]
Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company



By [Signature]
Michael A. Ito, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 17th day of September, 2015.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

On this 17th day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature]
M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 14th day of AUGUST, 2017.

[Signature]
Jeffrey Goldberg, Vice President & Assistant Secretary of
Washington International Insurance Company & North American Specialty Insurance Company

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

- 1. SCOPE OF WORK:** This project consist of squaring the eastbound SR-94 exit ramp to Euclid Avenue and the westbound SR-94 entrance ramp from Euclid Avenue in Council District 4. Two new traffic signals are proposed at each of the ramp intersections to eliminate the "free-turn" movements along the East side of Euclid Avenue and new ADA compliant pedestrian ramps will be installed on the West side. Construction is scheduled from Fall 2017 to Summer 2018.

1.1. The Work shall be performed in accordance with:

1.1.1. The Notice Inviting Bids and Plans numbered **39565-01-D** through **39565-83-D**, and **39565-TC01-D** through **39565-TC51-D** inclusive.

- 2. ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is **\$3,290,000**.

- 3. LOCATION OF WORK:** The location of the Work is as follows:

This project is located at the **State Route 94 and Euclid Avenue Interchange in the city of San Diego, District 4**.

- 4. CONTRACT TIME:** The Contract Time for completion of the Work, **including the Plant Establishment Period of 120 calendar days**, shall be **180 Working Days**.

4.1. CONTRACTOR'S LICENSE CLASSIFICATION: In accordance with the provisions of California Law, the Contractor shall possess valid, appropriate license at the time that the Bid is submitted. Failure to possess the specified license may render the Bid as **non-responsive** and ineligible for award.

4.2. The City has determined that the following licensing classification is required for this contract:

- **CLASS A**

ATTACHMENT B
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ATTACHMENT C
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ATTACHMENT D
PREVAILING WAGES



Public Works Department
Contracts Division

This comes to inform you that, pursuant to changes resulting from California Senate Bill 96, the City will be amending the terms of your upcoming contract to reflect the changes as follows:

Replace the Attachment D that was included in the solicitation with the revised Attachment D attached hereto.

Please complete below, sign and return to me at your earliest convenience.

K-17-1581-DBB-3

RFP/Bid Number

BLUE PACIFIC ENGINEERING & CONSTRUCTION

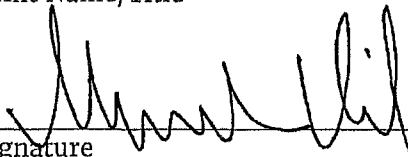
Firm Name

SR94/EUCLID AVENUE INTERCHANGE-PHASE 2

Project Name

SHAHRAM ELIHU, SOLE PROPRIETOR

Print Name/Title


Signature

cc: Stephen Samara, Principal Contract Specialist, Public Works Department
Rosa Isela Riego, Senior Contract Specialist, Public Works Department
File

Attachment

ATTACHMENT D

PREVAILING WAGES

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed. This shall be in addition to any other applicable penalties allowed under Labor Code sections 1720 - 1861.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.

 - 1.3.1.** Contractor and their subcontractors shall also furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on contractors and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department at 619-236-6000.

- 1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid or proposal, subject to the requirements of section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- 1.9.1.** A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.
- 1.9.2.** By submitting a bid or proposal to the City, Contractor is certifying that he or she has verified that all subcontractors used on this public work project are registered with the DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration for themselves and all listed subcontractors to the City at the time of bid or proposal due date or upon request.
- 1.10. Stop Order.** For Contractor or its subcontractors engaging in the performance of any public work contract without having been registered in violation of Labor Code sections 1725.5 or 1771.1, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractors or unregistered subcontractor(s) on ALL public works until the unregistered contractor or unregistered subcontractor(s) is registered. Failure to observe a stop order is a misdemeanor.
- 1.11. List of all Subcontractors.** The City may ask Contractor for the most current list of subcontractors (regardless of tier), along with their DIR registration numbers, utilized on this Agreement at any time during performance of this contract, and Contractor shall provide the list within ten (10) working days of the City's request. Additionally, Contractor shall provide the City with a complete list of all subcontractors utilized on this contract (regardless of tier), within ten working days of the completion of the contract, along with their DIR registration numbers. The City shall withhold final payment to Contractor until at least 30 days after this information is provided to the City.

1.12. Exemptions for Small Projects. There are limited exemptions for installation, alteration, demolition, or repair work done on projects of \$25,000 or less. The Contractor shall still comply with Labor Code sections 1720 et. seq. The only recognized exemptions are listed below:

1.12.1. Registration. The Contractor will not be required to register with the DIR for small projects. (Labor Code section 1771.1)

1.12.2. Certified Payroll Records. The records required in Labor Code section 1776 shall be required to be kept and submitted to the City of San Diego, but will not be required to be submitted online with the DIR directly. The Contractor will need to keep those records for at least three years following the completion of the Contract. (Labor Code section 1771.4).

1.12.3. List of all Subcontractors. The Contractor shall not be required to hire only registered subcontractors and is exempt from submitting the list of all subcontractors that is required in section 4.20.11 above. (Labor code section 1773.3).

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

1. The **2015 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK").
2. The **2015 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK"), including the following:
 - a) General Provisions (A) for all Contracts.

SECTION 1 - TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

- 1-2 TERMS AND DEFINITIONS.** To the "WHITEBOOK", item 54, "Normal Working Hours", ADD the following:

The **Normal Working Hours** are 8:30 AM to 3:30 PM, but some night work is to be expected.

SECTION 2 - SCOPE AND CONTROL OF WORK

- 2-3.2 Self Performance.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. You shall perform, with your own organization, Contract Work amounting to at least 30% of the base Bid **AND** 30% of any alternates.

- 2-5.3.4 Supporting Information.** To the "WHITEBOOK", ADD the following:

2. For landscaping and irrigation materials, submit samples and test results to the Engineer within 15 Days of the NTP.

2-7

SUBSURFACE DATA. To the "WHITEBOOK", ADD the following:

4. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests of subsurface conditions at the Work Site:
 - a. Report of Geotechnical Investigation, dated August 10, 2015 by Allied Geotechnical Engineers
5. The reports listed above are available for review by contacting the Contract Specialist or visiting:

<https://filecloud.sandiego.gov/ui/core/index.html?mode=public#expl-tabl./SHARED/lbobis/mft3zx8TTjhL05Od>

2-15 TECHNICAL STUDIES AND DATA. To the "WHITEBOOK", ADD the following:

3. In preparation of the Contract Documents, the designer has relied upon the following reports of explorations and tests at the Work Site:
 - a) Air Quality and Greenhouse Gas Emissions Technical Memorandum, dated February 14, 2017 by Michael Baker International.
 - b) Biological Survey Letter, dated October 11, 2016 by Michael Baker International
 - c) Community Impact Assessment, dated January 4, 2017 by Michael baker International
 - d) Natural Environment Study, dated Janaury 2017 by Michael Baker International
 - e) Visual Impact Assessment, dated January 4, 2017 by Michael Baker International
 - f) Cultural Memorandum, dated January 26, 2017 by Tierra Environmental
 - g) Report of Geotechnical Investigation, dated August 10, 2015 by Allied Geotechnical Engineers
 - h) Phase I Environmental Site Assessment, dated August 21, 2015 by Allied Geotechnical Engineers
 - i) Paleontological Record Search, dated January 26, 2017 by Tierra Environmental
 - j) Report of Aerially Deposited Lead Survey and Percolation Testing Program, dated February 22, 2017, by Allied Geotechnical Engineers.

4. The reports listed above are available for review by contacting the Contract Specialist or visiting:

<https://filecloud.sandiego.gov/ui/core/index.html?mode=public#expl-tab1./SHARED/lbobis/mft3zx8TTjhL05Od>

2-16 **CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM.** To the "WHITEBOOK", item 1, DELETE in its entirety.

SECTION 3 – CHANGES IN WORK

3-5.1 **Claims.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

ADD:

3-5.1 **Claims.**

1. A Claim is a written demand by you that seeks an adjustment in the Contract Price, Contract Time, or other relief associated with a dispute arising under or relating to the Contract, including a breach of any provision thereof. A voucher, invoice, or other routine request for payment is not a Claim.
2. A Claim shall conform to these specifications and may be considered after the City has previously denied a request by you for a Change Order seeking the demanded relief.
3. You shall submit a Claim to the Engineer if a dispute occurs that arises from or relates to the Contract. The Claim shall seek all relief to which you assert you are entitled as a result of the event(s) giving rise to the dispute. Your failure to process a Claim in accordance with these specifications shall constitute a waiver of all relief associated with the dispute. Claims are subject to 6-11, "Right to Audit".
4. You shall continue to perform the Services and Work and shall maintain the Schedule during any dispute proceedings. The Engineer will continue to make payments for undisputed Services and Work.
5. The City's Claims process specified herein shall not relieve you of your statutory obligations to present claims prior to any action under the California Government Code.

3-5.1.1 **Initiation of Claim.**

1. You shall promptly, but no later than 30 Days after the event(s) giving rise to the Claim, deliver the Claim to the Engineer.
2. You shall not process a Claim unless the Engineer has previously denied a request by you for a Change Order that sought the relief to be pursued in the claim.

3-5.1.1.1 Claim Certification Submittal.

1. If your Claim seeks an increase in the Contract Price, the Contract Time, or both, submit with the Claim an affidavit certifying the following:
 - a) The Claim is made in good faith and covers all costs and delays to which you are entitled as a result of the event(s) giving rise to the Claim.
 - b) The amount claimed accurately reflects the adjustments in the Contract Price, the Contract Time, or both to which you believe you are entitled.
 - c) All supporting costs and pricing data are current, accurate, and complete to the best of your knowledge. The cost breakdown per item of Work shall be supplied.
 - d) You shall ensure that the affidavit is executed by an official who has the authority to legally bind you.

3-5.1.2 Initial Determination.

1. The Engineer will respond in writing to your Claim within 30 Days of receipt of the Claim.

3-5.1.3 Settlement Meeting.

1. If you disagree with the Initial Determination, you shall request a Settlement Meeting within 30 Days. Upon receipt of this request, the Engineer will schedule the Settlement Meeting within 15 Working Days.

3-5.1.7 City's Final Determination.

1. If a settle agreement is not reached, the City shall make a written Final Determination within 10 Working Days after the Settlement Meeting.
2. If you disagree with the City's Final Determination, notify the Engineer in writing of your objection within 15 Working Days after receipt of the written determination and file a "Request for Mediation" in accordance with 3-5.2, "Dispute Resolution Process".
3. Failure to give notice of objection within the 15 Working Days period shall waive your right to pursue the Claim.

3-5.1.8 Mandatory Assistance.

1. If a third party dispute, litigation, or both arises out of or relates in any way to the Services provided under the Contract, upon the City's request, you shall agree to assist in resolving the dispute or litigation. Your assistance includes, but is not limited to the following:
 - a) Providing professional consultations.

- b) Attending mediations, arbitrations, depositions, trials, or any event related to the dispute resolution and litigation.

3-5.1.8.1 Compensation for Mandatory Assistance.

1. The City will reimburse you for reasonable fees and expenses incurred by you for any required assistance rendered in accordance with 3-5.1.8, "Mandatory Assistance" as Extra Work.
2. The Engineer will determine whether these fees and expenses were necessary due to your conduct or failure to act.
3. If the Engineer determines that the basis of the dispute or litigation in which these fees and expenses were incurred were the result of your conduct or your failure to act in part or in whole, you shall reimburse the City for any payments made for these fees and expenses.
4. Reimbursement may be through any legal means necessary, including the City's withholding of your payment.

3-5.2.3 Selection of Mediator. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. A single mediator, knowledgeable in construction aspects and acceptable to both parties, shall be used to mediate the dispute.
2. To initiate mediation, the initiating party shall serve a Request for Mediation at the American Arbitration Association (AAA) on the opposing party.
3. If AAA is used, the initiating party shall concurrently file with AAA a "Request for Mediation" along with the appropriate fees, a copy of requested mediators marked in preference order, and a preference for available dates.
4. If AAA is selected to coordinate the mediation (Administrator), within 10 Working Days from the receipt of the initiating party's Request for Mediation, the opposing party shall file the following:
 - a) A copy of the list of the preferred mediators listed in preference order after striking any mediators to which they have any objection.
 - b) A preference for available dates.
 - c) Appropriate fees.
5. If the parties cannot agree on a mediator, then each party shall select a mediator and those mediators shall select the neutral third party to mediate the matter.

3-5.3 Forum of Litigation. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. It is the express intention that all legal actions and proceedings related to the Contract or Agreement with the City or to any rights or any relationship

between the parties arising therefrom shall be solely and exclusively initiated and maintained in courts of the State of California for the County of San Diego.

SECTION 4 - CONTROL OF MATERIALS

4-1.3.5 Special Inspection. To the "WHITEBOOK", ADD the following:

5. The payment for special inspection Work specified under this section shall be paid in accordance with 4-1.3.4.1, "Payment".

4-1.3.6 Preapproved Materials. To the "WHITEBOOK", ADD the following:

3. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

4-1.6 Trade Names or Equals. To the "WHITEBOOK", ADD the following:

11. You shall submit your list of proposed substitutions for an "equal" item **no less than 15 Working Days prior to the Bid due date** and on the City's Product Submittal Form available at:

<http://www.sandiego.gov/publicworks/edocref/index.shtml>

SECTION 5 - UTILITIES

5-2 PROTECTION. To the "WHITEBOOK", item 2, ADD the following:

- g) Refer to Appendix "G" for more information on the protection of AMI devices.

5-6 COOPERATION. To the "GREENBOOK", ADD the following:

1. Notify SDG&E at least 10 Working Days prior to excavating within 10 feet of SDG&E Underground High Voltage Transmission Power Lines (69 KV and higher).

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

6-1.1 Construction Schedule. To the "WHITEBOOK", item 20, ADD the following:

The 120 Calendar Day for the Plant Establishment Period is included in the stipulated Contract Time.

ADD:

6-3.2.1.1 Environmental Document.

1. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a **Notice of Exemption** (NOE) for **SR94/Euclid Ave Interchange-Phase 2**, as referenced in the Contract Appendix. You shall comply with all requirements of the NOE as set forth in Appendix **A**.
2. Compliance with the City's environmental document shall be included in the Contract Price, unless separate bid items have been provided.

6-7.1 General. To the "WHITEBOOK", item 3, ADD the following:

- d) 30 Days for full depth asphalt final mill and resurfacing work required per SDG-107.
- e) Where shutdowns of 16 inch and larger pipes are required, there is a shutdown moratorium from May until October. Plan and schedule Work accordingly. No additional payment or Working Days will be granted for delays due to the moratorium.

6-8.1.1 Requirements Preparatory to Requesting a Walk-through. To the "WHITEBOOK", ADD the following:

2. You shall notify the Engineer to arrange a final inspection of permanent BMPs installed and shall obtain the completed, signed, and stamped DS-563 Form 30 Days prior to the issuance of the Notice of Completion.

6-8.3.1 Defective Work. To the "WHITEBOOK", item 6, DELETE in its entirety and SUBSTITUTE with the following:

6. For Building Projects which require a certificate of occupancy, not including sewer and water facilities, if you fail to correct the defective Work listed on the City's Punchlist within 45 Days after the Contract Time, you shall reimburse the City for all costs to provide inspection services required to monitor Work beyond the 45 Days. The City shall bill you for the additional inspection at the City's established rates.

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

7-3 **INSURANCE.** To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

7-3 **INSURANCE.**

1. The insurance provisions herein shall not be construed to limit your indemnity obligations contained in the Contract.

7-3.1 **Policies and Procedures.**

1. You shall procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance shall be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).
3. There shall be no endorsement or modification limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

7-3.2.2 Commercial Automobile Liability Insurance.

1. You shall provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles ("Any Auto").
2. All costs of defense shall be outside the limits of the policy.

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other

pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.

2. All costs of defense shall be outside the limits of the policy. The deductible shall not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies shall be procured before the Work commences and shall be maintained for the duration of this Contract. Claims Made policies shall be procured before the Work commences, shall be maintained for the duration of this contract, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work under this Contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least "A-, VI" by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

7-3.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers shall be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7-3.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal

documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance.

7-3.5.1.1 Additional Insured.

1. You shall provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
2. To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
3. The additional insured coverage for projects for which the Engineer's Estimate is \$1,000,000 or more shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your Work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.
4. The additional insured coverage for projects for which the Engineer's Estimate is less than \$1,000,000 shall include liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products, or
 - c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy shall be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it shall provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

7-3.5.1.3 Project General Aggregate Limit. The policy or policies shall be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work shall reduce the Designated

Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit shall be in addition to the aggregate limit provided for the products-completed operations hazard.

7-3.5.2 Commercial Automobile Liability Insurance.

7-3.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

1. The policy or policies shall be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of:
 - a) Ongoing operations performed by you or on your behalf,
 - b) your products,
 - c) your work, e.g., your completed operations performed by you or on your behalf, or
 - d) premises owned, leased, controlled, or used by you.

Except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement shall not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.

2. In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that are not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and

its respective elected officials, officers, employees, agents, and representatives shall be limited to obligations permitted by California Insurance Code §11580.04.

7-3.5.4.2 Primary and Non-Contributory Coverage. The policy or policies shall be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives shall be in excess of your insurance and shall not contribute to it.

7-3.5.4.3 Severability of Interest. For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies shall provide that your insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and shall provide cross-liability coverage.

7-3.6 Deductibles and Self-Insured Retentions. You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

7-3.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

7-3.8 Notice of Changes to Insurance. You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

7-3.9 Excess Insurance. Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

7-4 NOT USED. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

7-4 WORKERS' COMPENSATION INSURANCE AND EMPLOYERS LIABILITY INSURANCE.

1. In accordance with the provisions of §3700 of the California Labor Code, you shall provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.

2. Limits for this insurance shall be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you shall comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

7-4.1. Waiver of Subrogation. The policy or policies shall be endorsed to provide that the insurer will waive all rights of subrogation against the City and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from Work performed by the Named Insured for the City.

7-5 PERMITS, FEES, AND NOTICES. To the "WHITEBOOK", ADD the following:

2. The City will obtain, at no cost to you, the following permits:
 - a) Caltrans Encroachment Permit

7-8.1 General. To the "WHITEBOOK", ADD the following:

2. Use a PM-10 certified self-loading motorized street sweeper equipped with a functional water spray system for this project as directed by the Engineer.

7-8.6 Water Pollution Control. To the "WHITEBOOK", ADD the following:

6. Based on a preliminary assessment by the City, this Contract is subject to **SWPPP Risk Level 1.**

7-16.1.3 Weekly Updates Recipients.

1. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:

Daniel Nutter, Senior Engineer, DNutter@san Diego.gov

Jesus Garcia, Project Manager, JesusG@san Diego.gov

Resident Engineer, TBA, XXX@san Diego.gov

7-16.3 Exclusive Community Liaison Services. To the "WHITEBOOK", ADD the following:

2. You shall retain an Exclusive Community Liaison for the Project, as part of the Transportation Management Plan requirements, that shall implement Work in accordance with the specifications described in 7-16.2 "Community Outreach Services" and 7-16.3 "Exclusive Community Liaison Services".

7-20 ELECTRONIC COMMUNICATION. To the "WHITEBOOK", ADD the following:

2. Virtual Project Manager shall be used on this Contract.

7-21.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. During the construction phase of projects, the minimum waste management reduction goal is 90% of the inert material (a material not subject to decomposition such as concrete, asphalt, brick, rock, block, dirt, metal, glass, and etc.) and 65% of the remaining project waste. You shall provide appropriate documentation, including a Waste Management Form attached as an appendix, and evidence of recycling and reuse of materials to meet the waste reduction goals specified.

SECTION 217 – BEDDING AND BACKFILL MATERIALS

217-2.2 Stones, Boulders, and Broken Concrete. To the "GREENBOOK", Table 217-2.2, DELETE in its entirety and SUBSTITUTE with the following:

TABLE 217-2.2

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Street or Surface Zone	From ground surface to 12" (300 mm) below pavement subgrade or ground surface	2.5" (63 mm)	As required by the Plans or Special Provisions.
Street or Surface Zone Backfill of Tunnels beneath Concrete Flatwork		Sand	Sand equivalent of not less than 30.
Trench Zone	From 12" (300 mm) below pavement subgrade or ground surface to 12" (300 mm) above top of pipe or box	6" (150 mm)	
Deep Trench Zone (Trenches 3' (0.9 m) wide or wider)	From 60" (1.5 m) below finished surface to 12" (300 mm) above top of pipe or box	Rocks up to 12" (300 mm) excavated from trench may be placed as backfill	

Zone	Zone Limits	Maximum Size (greatest dimension)	Backfill Requirements in Addition to 217-2.1
Pipe Zone	From 12" (300 mm) above top of pipe or box to 6" (150 mm) below bottom of pipe or box exterior	2.5" (63 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour).
Overexcavation	Backfill more than 6" (150 mm) below bottom of pipe or box exterior	6" (150 mm)	Sand equivalent of not less than 30 or a coefficient of permeability greater than 1-½ inches/hour (35 mm per hour). Trench backfill slurry (100-E-100) per 201-1 may also be used.

SECTION 700 – MATERIALS

700-9.1 Pedestrian Barricade. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Pedestrian barricades shall be constructed in accordance with the City of San Diego Standard Drawing SDE-103, "Pedestrian Barricade".
2. Assembly shall be commercial quality galvanized material.

SECTION 701 – CONSTRUCTION

701-2 PAYMENT. To the "WHITEBOOK", ADD the following:

The payment for Pedestrian Barricades shall be included in the Bid item for each "Pedestrian Barricade".

SECTION 801 – INSTALLATION

801-6 Maintenance and Plant Establishment. To the "WHITEBOOK", ADD the following to paragraph 1:

At the end of Year 1, plant coverage shall meet 50 percent coverage, as verified by the Project Biologist.

ADD the following paragraphs:

10. Contractor shall correct all soil erosion, and shall repair and/or replace all above ground erosion control BMPs damaged during the 120 day PEP and throughout the 32 month maintenance and monitoring period. Any above

ground erosion control measures such as but not limited to silt fencing, gravel bags, fiber rolls and/or hay bales shall be removed by the contractor following acceptance of the 32 month maintenance and monitoring period by the RE and Project Biologist. All hay/straw products shall be un-decaying, clean and free of weeds, seeds, and debris.

11. 1:1 replacement of ornamentals (in kind) shall be monitored and maintained for a period of no less than 90 days to ensure successful establishment of plantings per contract specifications.
12. Orange construction fence shall be installed and maintained by contractor at the installation of all revegetation plant materials through the 120 day PEP, and until the end of the 32 months maintenance and monitoring period. Following acceptance of the 32 months maintenance and monitoring period by the City Representative and Project Biologist the contractor shall remove all orange fencing.
13. Contractor shall remove all trash and/or debris from the revegetation site prior to and following the revegetation installation, and until the end of the 32 month maintenance and monitoring period. Contractor shall remove all temporary irrigation lines and appurtenances following acceptance of revegetation by the RE and the City Representative.

SECTION 802 - NATIVE HABITATE PROTECTION, INSTALLATION, MAINTENANCE, AND MONITORING

802-3.9

MAINTENANCE, MONITORING AND REPORTING DURING THE 120 DAY PEP. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

The Contractor shall be responsible for implementing a PEP (Plant Establishment Period) following completion of the installation work in the project area for the first 120 days of Year 1. At the completion of installation planting, the installation Contractor shall request a pre-maintenance inspection by the Project Biologist. The Project Biologist shall prepare a "punchlist" of correction items for completion by the Contractor. The PEP shall begin upon receiving written notification from the Engineer certifying that all punchlist items are complete and accepting all aspects of the project installation. The PEP shall be extended by the Engineer until the PEP success criteria have been met.

During the plant establishment period, the Contractor shall provide regular maintenance of the restoration area, including trash removal, supplemental irrigation, erosion control, and nonnative treatment. The number of maintenance visits shall vary depending on the amount of work necessary for the mitigation area to meet its success standards on schedule. As a guideline, the Contractor is expected to perform maintenance approximately once a month during the first 4 months (i.e., 120-day PEP). The Contractor is also expected to perform maintenance approximately monthly during the next 8 months of year 1; every 2 months during year 2; and quarterly during

years 3. Maintenance may be needed more frequently, for example, to perform remedial measures (e.g., replanting). The Contractor shall coordinate with the resident engineer and Project Biologist on a regular basis to determine priority maintenance activities during different periods of the project.

Treatment shall include all species identified by the Project Biologist as target species. Herbicide application shall be in accordance with BMPs, manufacturers' recommendations, and agency regulations.

Maintenance of planted areas shall include, but not be limited to irrigation, replanting and re-seeding, erosion repair, cultivating, mulching, weed control, debris removal, and all other care necessary for proper growth and establishment of the plants.

The following activities shall be completed as a regular part of the PEP maintenance work:

- a) Site Protection: Contractor shall maintain the signage identifying the site as a restoration area. Damaged signage shall be replaced at the Contractor's expense.
- b) Erosion Control: Contractor shall report all potentially problematic erosion issues that occur within the restoration area to the Project Biologist and shall take measures to prevent and/or repair erosion when directed to do so. If required, standard erosion control practices shall be used to stabilize eroding areas, including straw wattles, additional silt fencing, and additional planting. Damage resulting from gullies, washouts, or other erosion shall be repaired immediately by filling and tamping, refertilizing and reseeded or replanting by the Contractor at his expense if such damage occurs prior to acceptance of work under this contract.
- c) Weed Control: Nonnative plants identified as targets by the Project Biologist shall be eradicated wherever they occur within each of the restoration areas and within the 10 foot nonnative treatment buffer. All nonnative plant species shall be removed from container plant basins until the native plants are established. Targeted nonnative plants shall be removed either before they become 12 inches high or they set seed. Nonnative plants, including invasive exotics, shall be either hand-pulled, cut, and treated with herbicide, or just treated with herbicide. No mechanical methods or hand-tools (such as a shovel) shall be used to excavate nonnative species. If root systems of particular nonnative plants that are in a young/small stage cannot be feasibly removed with hand-pulling, herbicides may be applied under the supervision of a licensed Pest Control Advisor by a licensed applicator. Weed debris shall be properly disposed of off-site. If nonnative species reach maturity (indicating inadequate maintenance frequency) and have either flowered or set seed, they shall be cut and placed directly onto a tarp before being transported off-site.

- d) **Plant Care and Supplemental Planting/Seeding:** Container plant care shall be performed as necessary to assist with plant survival and establishment. Plant care includes controlling competing weeds within plant basins, supplemental watering, and replacing diseased or dead plants, as needed. The maintenance Contractor shall replace dead and diseased plants that fall below project success standards. The Project Biologist shall flag dead and diseased plants in the field and provide a list to the Contractor of replacement plant species and quantities. The Project Biologist may also recommend additional species for planting as a remedial measure. All dead plants shall be replaced in kind (original size and species) unless otherwise specified by the Project Biologist, and watered as needed to ensure their survival. If considered appropriate by the Project Biologist, naturally occurring seedlings of planted species or native plant volunteers may be used as replacement plantings if they are in close proximity to dead or diseased plants and provide roughly equal ecological value.
- e) **Irrigation:** Temporary irrigation shall be used during the installation period to support the survival and growth of newly planted and seeded areas, where permanent irrigation is not available or proposed in this Project. The Contractor, resident engineer, and Project Biologist shall coordinate to agree on a watering schedule during different times of the year. The watering schedule shall be adjusted accordingly during the maintenance period depending on factors such as plant size and health, and weather conditions. It is the intent of this plan that irrigation be used judiciously and only when needed. Minimal use of irrigation shall promote the establishment of hearty plants with well-developed root systems. In general, infrequent deep watering shall be performed to promote deeper root development, as compared to frequent surface watering.
- f) **Trash Removal:** The Contractor shall remove all trash and debris from the mitigation areas during regular maintenance visits, and properly dispose of it off-site. The Contractor shall exercise care so that trash removal activities minimize or avoid impacts to plantings in the restoration areas. Organic debris such as dead limbs provides habitat value for wildlife and may be left in place.
- g) **Pest Control:** Constant diligence shall be maintained by the Contractor to avoid plant material disease, insects, and/or rodent infestations and proper preventative or control measures taken. During horticultural site visits, the Project Biologist shall monitor for plant insects and diseases. Plants that are severely diseased shall be removed and replaced by the Contractor at the direction of the Project Biologist. Pesticides shall not be used except if directed by the Project Biologist. Rodent control, if necessary, shall be restricted to trapping or anti-coagulants with no secondary poisoning effect. Any pest control measures that require pesticide use shall be recommended by a licensed pest control advisor and must be approved by the Project Biologist.

EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP) SECTION A – GENERAL REQUIREMENTS

4.1 Nondiscrimination in Contracting Ordinance. To the "WHITEBOOK", subsection 4.1.1, paragraph (2), sentence (1), DELETE in its entirety and SUBSTITUTE with the following:

You shall not discriminate on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

TECHNICAL

STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND

A3A	<i>Abbreviations (Sheet 1 of 3)</i>
A3B	<i>Abbreviations (Sheet 2 of 3)</i>
A3C	<i>Abbreviations (Sheet 3 of 3)</i>
A10A	<i>Legend - Lines and Symbols (Sheet 1 of 5)</i>
RSP A10B	<i>Legend - Lines and Symbols (Sheet 2 of 5)</i>
A10C	<i>Legend - Lines and Symbols (Sheet 3 of 5)</i>
A10D	<i>Legend - Lines and Symbols (Sheet 4 of 5)</i>
A10E	<i>Legend - Lines and Symbols (Sheet 5 of 5)</i>

PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS

A20A	<i>Pavement Markers and Traffic Lines - Typical Details</i>
A20B	<i>Pavement Markers and Traffic Lines - Typical Details</i>
A20C	<i>Pavement Markers and Traffic Lines - Typical Details</i>
A20D	<i>Pavement Markers and Traffic Lines - Typical Details</i>
A24A	<i>Pavement Markings - Arrows</i>
A24B	<i>Pavement Markings - Arrows and Symbols</i>
A24C	<i>Pavement Markings - Symbols and Numerals</i>
A24D	<i>Pavement Markings - Words</i>
A24E	<i>Pavement Markings - Words, Limit and Yield Lines</i>
A24F	<i>Pavement Markings - Crosswalks</i>

EXCAVATION AND BACKFILL

A62A	<i>Excavation and Backfill - Miscellaneous Details</i>
A62D	<i>Excavation and Backfill - Concrete Pipe Culverts</i>
A73A	<i>Object Markers</i>
A73B	<i>Markers</i>
A73C	<i>Delineators, Channelizers and Barricades</i>
RSP A77L1	<i>Midwest Guardrail System - Standard Railing Section (Wood Post with Wood Block)</i>
RSP A77L3	<i>Metal Beam Guard Railing - Reconstruct Installation</i>
A77M1	<i>Midwest Guardrail System - Standard Hardware</i>
RSP A77N1	<i>Midwest Guardrail System - Wood Post and Wood Block Details</i>
A77N4	<i>Midwest Guardrail System - Typical Railing Delineation and Dike Positioning Details</i>
RSP A77R3	<i>Midwest Guardrail System - Typical Layouts for Roadside Fixed Objects</i>
A77S1	<i>Midwest Guardrail System - End Anchor Assembly (Type SFT)</i>
A87A	<i>Curbs and Driveways</i>
RSP A87B	<i>Hot Mix Asphalt Dikes</i>
RSP A88A	<i>Curb Ramp Details</i>
RSP A88B	<i>Curb Ramp and Island Passageway Details</i>

PAVEMENTS

P74	<i>Pavement Edge Treatments</i>
P75	<i>Pavement Edge Treatments - Overlays</i>
P76	<i>Pavement Edge Treatments - New Construction</i>

DRAINAGE INLETS, PIPE INLETS AND GRATES

D71	<i>Drainage Inlet Markers</i>
RSP D72A	<i>CIP Drainage Inlets - Types OS, OL and GOL</i>
RSP D72B	<i>CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6</i>
RSP D72C	<i>CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6</i>
RSP D72F	<i>CIP Drainage Inlets Notes</i>
RSP D72G	<i>CIP Drainage Inlets Tables</i>

D77A	Grate Details No. 1
D77B	Grate Details No. 2
	PIPE CULVERT HEADWALLS, ENDWALLS, WINGWALLS, AND JUNCTION STRUCTURE
D91A	Cast-In-Place Reinforced Concrete Junction Structure
D91B	Cast-In-Place Reinforced Concrete Junction Structure
	FLARED END SECTIONS
D94B	Concrete Flared End Sections
	PIPE COUPLING AND JOINT DETAILS
D97H	Reinforced Concrete Pipe or Non-Reinforced Concrete Pipe - Standard and Positive Joints
	LANDSCAPE AND EROSION CONTROL
RSP H1	Landscape and Erosion Control Symbols
H2	Landscape Details
H3	Landscape Details
RSP H4	Landscape Details (Riser Sprinkler Assembly)
RSP H5	Landscape Details (Swing Joint and Protector)
RSP H8	Landscape Details
H9	Landscape Details
H51	Erosion Control Details - Fiber Roll and Compost Sock
	TEMPORARY CRASH CUSHIONS, RAILING AND TRAFFIC SCREEN
T3A	Temporary Railing (Type K)
T3B	Temporary Railing (Type K)
T5	Temporary Terminal Section (Type K)
	TEMPORARY TRAFFIC CONTROL SYSTEMS
RSP T9	Traffic Control System Tables for Lane and Ramp Closures
RSP T10	Traffic Control System for Lane Closure on Freeways and Expressways
T14	Traffic Control System for Ramp Closure
	TEMPORARY WATER POLLUTION CONTROL
T51	Temporary Water Pollution Control Details (Temporary Silt Fence)
T56	Temporary Water Pollution Control Details (Temporary Fiber Roll)
T58	Temporary Water Pollution Control Details (Temporary Construction Entrance)
T59	Temporary Water Pollution Control Details (Temporary Concrete Washout Facility)
T61	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T62	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T63	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T64	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
	ROADSIDE SIGNS
RS1	Roadside Signs - Typical Installation Details No. 1
RS2	Roadside Signs - Wood Post - Typical Installation Details No. 2
RS3	Roadside Signs - Laminated Wood Box Post - Typical Installation Details No. 3
RS4	Roadside Signs - Typical Installation Details No. 4
	ELECTRICAL SYSTEMS - LEGEND AND ABBREVIATIONS
ES-1A	Electrical Systems (Legend)
ES-1B	Electrical Systems (Legend)
RSP ES-1C	Electrical Systems (Legend)
	ELECTRICAL SYSTEMS - SERVICE EQUIPMENT AND WIRING DIAGRAMS
ES-2A	Electrical Systems (Service Equipment)
ES-2C	Electrical Systems (Service Equipment Enclosure Notes, Type III Series)
ES-2D	Electrical Systems (Service Equipment Enclosure and Typical Wiring Diagram, Type III - A Series)

ES-2F *Electrical Systems (Service Equipment Enclosure and Typical Wiring Diagram, Type III - C Series)*

ELECTRICAL SYSTEMS - CONTROLLER CABINETS

ES-3A *Electrical Systems (Controller Cabinet Details)*

RSP ES-3B *Electrical Systems (Controller Cabinet Adapter, Foundation, and Pad Details)*

RSP ES-3C *Electrical Systems (Controller Cabinet Foundation and Pad Details)*

ELECTRICAL SYSTEMS - BBS POWER CONNECTION DIAGRAMS

RSP ES-3I *Electrical Systems (BBS Power Connection Diagram, with Bypass Control Line)*

RSP ES-3J *Electrical Systems (BBS Power Connection Diagram, with Bypass Control Line)*

RSP ES-3K *Electrical Systems (BBS Power Connection Diagram, without Bypass Control Line)*

RSP ES-3L *Electrical Systems (BBS Power Connection Diagram, without Bypass Control Line)*

ELECTRICAL SYSTEMS - SIGNAL HEADS, SIGNAL FACES AND MOUNTINGS

ES-4A *Electrical Systems (Signal Heads and Mountings)*

ES-4B *Electrical Systems (Pedestrian Signal Heads)*

ES-4C *Electrical Systems (Signal Heads and Mountings)*

ES-4D *Electrical Systems (Signal Head Mounting)*

ES-4E *Electrical Systems (Signal Heads and Optical Detector Mounting)*

ELECTRICAL SYSTEMS - DETECTORS

RSP ES-5A *Electrical Systems (Loop Detectors)*

RSP ES-5B *Electrical Systems (Detectors)*

ES-5C *Electrical Systems (Accessible Pedestrian Signal and Push Button Assemblies)*

ES-5D *Electrical Systems (Curb and Shoulder Termination, Trench, and Handhole Details)*

ELECTRICAL SYSTEMS - LIGHTING STANDARDS

RSP ES-6E *Electrical Systems (Lighting Standard, Types 30 and 31)*

ES-6F *Electrical Systems (Lighting Standard, Slip Base Plate)*

RSP ES-6G *Electrical Systems (Lighting Standard, Type 32)*

ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING STANDARD, TYPE TS, AND PUSH BUTTON ASSEMBLY POST

RSP ES-7A *Electrical Systems (Signal and Lighting Standard, Type TS, and Push Button Assembly Post)*

ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING STANDARDS

RSP ES-7B *Electrical Systems (Signal and Lighting Standard, Type 1 and Equipment Identification Characters)*

RSP ES-7E *Electrical Systems (Signal and Lighting Standard, Case 3 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 15' to 45')*

RSP ES-7F *Electrical Systems (Signal and Lighting Standard, Case 4 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 25' to 45')*

RSP ES-7G *Electrical Systems (Signal and Lighting Standard, Case 5 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 50' to 55')*

RSP ES-7H *Electrical Systems (Signal and Lighting Standard, Case 5 Signal Mast Arm Loading, Wind Velocity = 100 mph and Signal Mast Arm Lengths 60' to 65')*

ELECTRICAL SYSTEMS - FLASHING BEACONS

RSP ES-7J *Electrical Systems (Flashing Beacon on a Type 1, Type 15-FBS and Type 40 Standard)*

RSP ES-7M *Electrical Systems (Signal and Lighting Standard - Detail No. 1)*

RSP ES-7N *Electrical Systems (Signal and Lighting Standard - Detail No. 2)*

ES-7O *Electrical Systems (Signal and Lighting Standard - Detail No. 3)*

ELECTRICAL SYSTEMS - INTERNALLY ILLUMINATED STREET NAME SIGN

ELECTRICAL SYSTEMS - PEDESTRIAN BARRICADES

ES-7Q *Electrical Systems (Pedestrian Barricades)*

ELECTRICAL SYSTEMS - SIGNAL AND LIGHTING, MISCELLANEOUS ATTACHMENT

ES-7R *Electrical Systems (Signal and Lighting, Miscellaneous Attachment)*

ELECTRICAL SYSTEMS - PULL BOX

RSP ES-8A *Electrical Systems (Non-Traffic Pull Box)*

RSP ES-8B *Electrical Systems (Traffic Pull Box)*

ELECTRICAL SYSTEMS - STRUCTURE INSTALLATIONS

ES-9B *Electrical Systems (Conduit Riser and Expansion Fitting, Structure Installations)*

**ELECTRICAL SYSTEMS - ISOFOOTCANDLE CURVES AND FOUNDATION
DETAILS**

ES-10A *Electrical Systems (Isofootcandle Curves)*

RSP ES-11 *Electrical Systems (Foundation Installations)*

**ELECTRICAL SYSTEMS - SPLICING, FUSE RATING, KINKING AND BANDING
DETAILS**

RSP ES-13A *Electrical Systems (Splicing Details)*

RSP ES-13B *Electrical Systems (Fuse Rating, Kinking, and Banding Detail)*

Add to section 1-1.01:

Bid Items and Applicable Sections

Item code	Item description	Applicable section
152401A	ADJUST WATER METER BOX TO GRADE	9
152402A	REMOVE WATER METER	9
152403A	ADJUST GATE VALVE	9
205031A	ROCK COBBLE	9
205032A	NO. 57 STONE	9
510091A	STRUCTURAL CONCRETE, JUNCTION STRUCTURE	51-7.01D
650015A	18" REINFORCED CONCRETE PIPE w/ 5° BEVELED JOINTS	65-1.04
707117A	BROOKS BOX (12"x12")	9
750021A	TRENCH SHORING	9

Add between the 1st and 2nd paragraphs of section 2-1.06B:

The Department makes the following supplemental project information available:

Supplemental Project Information

Means	Description
Available as specified in the <i>Standard Specifications</i>	
Available for inspection at: ftp://ftp.sannet.gov/OUT/Euclid%20SR94%20Interchange/Technical%20Studies/	

Replace section 5-1.24 with:

5-1.24 CONSTRUCTION SURVEYS

5-1.24A General

The City's Surveyor places stakes and marks under Chapter 12, "Construction Surveys," of the Department's *Surveys Manual*.

Submit your request for City-furnished stakes:

1. Once the staking area is ready for stakes
2. On a Request for Construction Staking form

After your submittal, the City starts staking within 2 business days.

Preserve stakes and marks placed by the City. If the stakes or marks are destroyed, the City replaces them at the City's earliest convenience and deducts the cost.

5-1.24B City Construction Surveys for Automated Machine Guidance

The City sets control points to a minimum of 0.07 foot local horizontal accuracy and third order vertical accuracy standards.

For slope stakes and rough grade stakes, the City sets 6 survey control points or 2 control points per mile, whichever is greater.

The City sets slope stakes and rough grade stakes at:

1. Conform stations
2. Beginning and end of each alignment
3. Midpoint or every 200 feet, whichever is greater, on a curve
4. Every 500 feet on tangents

For final grade stakes, the City sets survey control points under Chapter 12, "Construction Surveys," section 12.1-6, "Automated Machine Guidance (AMG)," and figure 12-2 of the Department's *Surveys Manual*. The City sets final grade stakes at:

1. Conform stations
2. Beginning and end of each alignment
3. Midpoint or every 100 feet, whichever is greater, on a curve with a radius of 1,200 feet or less
4. Midpoint or every 200 feet, whichever is greater, on a curve with a radius of more than 1,200 feet
5. Every 200 feet on a tangent

Upon your request and under Chapter 12, "Construction Surveys," of the Department's *Surveys Manual*, the City provides (1) staking for intersections, clearing, fencing, drainage, curbs, structures, abutment fill, wall, and miscellaneous areas and (2) additional survey control or staking for earthwork in areas where global navigation satellite system (GNSS) coverage is inadequate for automated machine guidance.

Replace section 5-1.25 with:

5-1.25 AUTOMATED MACHINE GUIDANCE

5-1.25A General

You may use automated machine guidance (AMG) if the AMG meets or exceeds the staking tolerances described in section 12.5, "Typical Department-Furnished Construction Stakes," of the Department's *Surveys Manual*.

You are responsible for determining whether the work and site conditions are practical for AMG use.

Furnish a GNSS rover compatible with your GNSS base station or the GNSS correction service you subscribe to. The Department returns the GNSS rover upon work completion. This is change order work.

At the preconstruction conference, be prepared to discuss survey control points, site and equipment calibration, inspection methods, conflict resolution, and staking.

5-1.25B Definitions

automated machine guidance (AMG): Technology that uses positioning devices, singly or in combination, such as global navigation satellite systems (GNSS), total stations, or rotating laser levels, to determine and control the real-time position of construction equipment using onboard computer equipment.

California Coordinate System of 1983 (CCS83): CCS83 as defined in Pub Res Code § 8801.

digital construction model (DCM): Three-dimensional model used by the Contractor's AMG equipment.

digital design model: Three-dimensional model consisting of roadway design alignments, profiles, and cross sections representing the finished grade.

digital terrain model: Three-dimensional model representing the original ground before job site activities start.

global navigation satellite system (GNSS): Satellite system used to pinpoint the geographic location of a user's receiver anywhere in the world. Two GNSS systems are in operation: the US GPS and the Russian Federation's GLONASS. Each of the GNSS systems uses a constellation of orbiting satellites working in conjunction with a network of ground stations.

GNSS base station: Single ground-based system consisting of a GNSS receiver, antenna, and telemetry equipment that provides differential GNSS correction signals to other GNSS receivers or rovers. Multiple base stations can be combined into a GNSS network.

GNSS correction service subscription: Subscription service to receive differential GNSS correction signals for higher accuracy GNSS positioning without the need of a GNSS base station. Signals are normally received via cellular wireless data services.

GNSS rover: Portable GNSS antenna, receiver, rod, and data collector with telemetry equipment for real-time point measurements.

grid: Cartesian coordinate system of Northing (y) and Easting (x) coordinates using CCS83.

robotic total station: Survey instrument capable of tracking an optical target and providing real-time coordinates of the target to the equipment operator and AMG equipment. A robotic total station unit can provide AMG if site conditions do not allow GNSS receivers to be used and if a higher accuracy is required than the GNSS provides.

site calibration or localization: Process that establishes the relationship between the observed control point coordinates and the site coordinate system, which is usually grid. The term applies to both GNSS and robotic total station equipment.

5-1.25C Electronic Files

Electronic design files include:

1. Digital terrain model in 3-D DGN or LandXML format
2. Roadway design alignments and profiles in LandXML format

The City makes electronic design files available as supplemental project information.

You must create the digital construction models.

Convert the electronic design files to a format compatible with your AMG system. Manipulation of the electronic design files is at your own risk.

Submit copies of the digital construction model files and any updates to them in LandXML format.

Digital design model information may not exist for contour grading and some drainage areas. The Department places stakes for these areas.

The City provides you with updated electronic data whenever the Engineer determines a plan change materially affects the finished grade. For minor grade changes, the City places stakes and marks.

5-1.25D Quality Control Plan

Submit an AMG QC plan at least 15 days before starting work requiring AMG. The plan must include the following information:

1. Contract number
2. Name and contact information of the AMG QC technician
3. Limits of the area for which the AMG will be used
4. Scope of work to be completed using AMG for the following work categories:
 - 4.1. Clearing and grubbing
 - 4.2. Earthwork
 - 4.3. Trench excavation
 - 4.4. Rough grading
 - 4.5. Subgrade
 - 4.6. Subbase
 - 4.7. Base
 - 4.8. Curb and gutter
 - 4.9. Cold planning or milling existing pavement
 - 4.10. Paving
 - 4.11. Intelligent compaction
 - 4.12. Concrete barrier
 - 4.13. Finishing roadway
5. Project control plan sheet detailing control points covering the job site
6. List of GNSS equipment, including:
 - 6.1. Type
 - 6.2. Manufacturer
 - 6.3. Model
 - 6.4. Software version
7. Description of GNSS site calibration or localization checking, including:
 - 7.1. List of equipment requiring calibration or localization checking
 - 7.2. Site calibration or localization procedures
 - 7.3. Frequency of calibration or localization
 - 7.4. Format for recording calibrations or localizations, including:
 - 7.4.1. Date
 - 7.4.2. Locations where calibration or localization was performed
 - 7.4.3. GNSS equipment manufacturer and model
 - 7.4.4. Range of required tolerance
 - 7.4.5. Name and signature of the person performing calibration or localization
 - 7.5. Reporting time for submitting records of calibration or localization
8. Description of daily GNSS equipment or robotic total station equipment check-testing procedures, including the format for recording daily check testing
9. List of AMG onboard computer equipment, including:
 - 9.1. Type
 - 9.2. Manufacturer
 - 9.3. Software version
 - 9.4. List of AMG-controlled equipment, including:
 - 9.4.1. Type, such as loader or grader
 - 9.4.2. Manufacturer
 - 9.4.3. Model
10. Procedures for AMG-controlled equipment calibration, including:
 - 10.1. Description of equipment calibration procedures
 - 10.2. Frequency of calibration
 - 10.3. Format for recording calibration information
11. Electronic data file control, including:
 - 11.1. Name and contact information of the person responsible for the electronic files
 - 11.2. DCM file-naming convention
 - 11.3. Description of the process that will be used to upload the DCM to the AMG equipment
 - 11.4. Description of the process that will be used whenever updated DCM files are required to be uploaded to the AMG equipment

If QC procedures or personnel change, submit a QC plan supplement describing the change.

5-1.25E Quality Control Technician

During AMG activities, provide a QC technician to be responsible for:

1. GNSS site calibration or localization and upload to all GNSS receivers
2. Maintenance of GNSS and AMG equipment
3. Documentation of the calibration or localization and maintenance of GNSS equipment
4. Daily calibration and documentation of AMG equipment
5. Daily setup and takedown of GNSS and robotic total station components

5-1.25F Just-in-Time Training

Provide at least 8 hours of JIT training on the GNSS rover for up to 3 City employees. Provide training materials and equipment.

The JIT training must cover the following topics:

1. Background information for the GNSS to be used
2. Setup and calibration checks for:
 - 2.1. GNSS receiver
 - 2.2. GNSS base station
 - 2.3. GNSS rovers
 - 2.4. Machinery
3. Operation of the GNSS rover, including:
 - 3.1. Setup data collection
 - 3.2. Settings for alignments and profiles
 - 3.3. Onboard display options
4. Demonstration of grade checking using the rover

The training is change order work.

5-1.25G Construction

5-1.25G(1) General

If you find a discrepancy in any survey control point, survey stake, or in the electronic data provided, immediately, submit an RFI.

5-1.25G(2) GNSS Site Calibration or Localization

Perform GNSS site calibration or localization to the survey control points at least 5 business days before starting work requiring AMG.

Check each survey control point for accuracy. Submit the GNSS site calibration or localization results within 1 business day of the calibration or localization testing. Allow 3 business days for the review of the results

5-1.25G(3) GNSS Check Testing

Before starting daily work requiring AMG, conduct check testing for the proper setup of the GNSS or robotic total station equipment. Ensure the GNSS or robotic total station equipment achieves accuracies within:

1. 0.10 foot in both horizontal and vertical directions for rough grading
2. 0.05 foot in horizontal directions and 0.02 foot in vertical directions for final grades

Before starting daily production, conduct check testing of the AMG equipment and the GNSS rovers.

Within 1 business day after check testing, submit the check-testing results as informational submittals.

5-1.25G(4) Grade Verification

If requested, provide a GNSS rover and personnel to operate it for the Engineer's use in verifying grades. This is change order work.

Replace section 5-1.26 with:

5-1.26 GRADE QUALITY CONTROL

Use a GNSS rover, robotic total station equipment, or a level to check the grades at the frequencies shown in the following table:

Grade Checking Requirements

Type of work	Area or distance represented by the grade checking	Frequency (number of grade points)
Earthwork for cut and fill slopes ≤ 15 feet	200 feet	2
Earthwork for cut and fill slopes > 15 feet	1,000 sq yd	1
Rough grading	1,000 sq yd	1
Trenching	100 feet	6
Subgrade	1 mi	30
Subbase layer	1 mi	50
Base layer	1 mi	100
Curb and gutter	100 feet	6
Concrete barrier	100 feet	5
Finishing roadway	1,000 sq yd	2

Increase the frequency of grade checking of a roadway:

1. Wherever its curve radius is 500 feet or less
2. In areas of a superelevation transition
3. At intersections

Notify the Engineer when an area is ready for line and grade inspection. Submit the grade checking results on a Grade Checking Report form as an informational submittal.

Add between the 2nd and 3rd paragraphs of the RSS for section 5-1.36C(3):

Installation of the utilities shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:

1. Verified by a representative of the utility company
2. Allowing at least the time shown for the utility owner to complete its work

Utility Relocation and Contractor-Arranged Time for the Relocation

Utility	Utility address	Location	Working days
2" Medium Pressure Gas Valve Adjust to Grade	SDG&E 9315 Century Park Ct, San Diego, CA 92123	Euclid Avenue Sta 28+36	Unk
UG Electric 3315 Handhole H2013077435 Adjust to Grade	SDG&E 9315 Century Park Ct, San Diego, CA 92123	Euclid Avenue Sta 29+57	Unk
UG Electric 3315 Handhole H2020077435 Adjust to Grade	SDG&E 9315 Century Park Ct, San Diego, CA 92123	Euclid Avenue Sta 36+82	Unk
UG Telephone Manhole Adjust to Grade	AT&T 7337 Trade Street San Diego, CA 92121	Euclid Avenue Sta 30+00	Unk
UG Fiber Optic Conduits Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 28+65 to Sta 30+65	Unk
UG Fiber Optic Handhole Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 28+65	Unk
UG Fiber Optic Handhole Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 29+86	Unk
UG Fiber Optic Handhole Adjust to Grade	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 34+70	Unk
UG Fiber Optic Pedestal Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 36+82	Unk
UG Fiber Optic Handhole Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 36+78	Unk
UG Fiber Optic Conduits Relocate	Cox 5159 Federal Blvd San Diego, CA 92105	Euclid Avenue Sta 34+70 to Sta 38+72	Unk

Add to the beginning of section 6-1.02:

The Department furnishes you with:

-
- • Model 170 controller assembly, including controller unit, completely wired controller cabinet, and detector sensor units
- • • Components of battery backup system as follows:
 - Inverter/charger unit
 - Power transfer relay
 - Manually-operated bypass switch
 - Battery harness
 - Utility interconnect wires
 - Battery temperature probe
 - Relay contact wires
-

The Department furnishes you with completely wired controller cabinets with auxiliary equipment but without controller unit at The Caltrans District 11 Signal Laboratory, 7181 Opportunity Road, San Diego,

CA 92111. At least 48 hours before you pick up the materials, inform the Engineer of what you will pick up and when you will pick it up.

You must furnish replacement plants. The Department does not pay you for the replacement plants.

Replace *Reserved* in section 7-1.02K(6)(j)(iii) with:

Section 7-1.02K(6)(j)(iii) includes specifications for handling, removing, and disposing of earth material containing lead.

Lead is present in earth material on the job site. Management of this material exposes workers to health hazards that must be addressed in your lead compliance plan. The average lead concentrations are below 1,000 mg/kg total lead and below 5 mg/L soluble lead. The material on the job site:

1. Is not a hazardous waste
2. Does not require disposal at a permitted landfill or solid waste disposal facility

Lead has been detected in material to a depth of 3 feet in unpaved areas of the highway. Levels of lead found on the job site range from 0.42 to 81.70 mg/kg total lead with an average concentration of 15.11 mg/kg total lead as analyzed by EPA test method 6010 or EPA test method 7000 series and based upon a 95 percent upper confidence limit. Levels of lead found within the project limits have a predicted average soluble concentration of 3.55 mg/L as analyzed by the California Waste Extraction Test and based upon a 95 percent upper confidence limit.

Handle the material under all applicable laws, rules, and regulations, including those of the following agencies:

1. Cal/OSHA
2. CA RWQCB, Region 9—San Diego
3. CA Department of Toxic Substances Control

If the material is disposed of:

1. Disclose the lead concentration of the material to the receiving property owner when obtaining authorization for disposal on the property
2. Obtain the receiving property owner's acknowledgment of lead concentration disclosure in the written authorization for disposal
3. You are responsible for any additional sampling and analysis required by the receiving property owner

If you choose to dispose of the material at a commercial landfill:

1. Transport it to a Class III or Class II landfill appropriately permitted to receive the material
2. You are responsible for identifying the appropriately permitted landfill to receive the material and for all associated trucking and disposal costs, including any additional sampling and analysis required by the receiving landfill

Add to the end of section 9-1.16C:

The following items are eligible for progress payment even if they are not incorporated into the work:

1. Culvert Pipe
2. Fiber Optic Cable
3. Fiber Optic Conduit
4. Irrigation Controllers
5. Lighting Fixtures
6. Luminaries
7. Miscellaneous Iron and Steel
8. Pipe (Irrigation Systems)

9. Signal and Lighting Standards
10. Signal Cabinets
11. Signal Heads and Mounting Brackets
12. Sprinklers

Add to section 12-1.04:

The Lump Sum Bid Item for "Traffic Control System" shall include the payment for all traffic control devices, required signs, notices, detours, temporary railing (Type K), temporary crash cushion modules, flashing arrow boards, barricades, traffic cones and drums, temporary striping and pavement markers, and all other work related to the installation and maintenance of a functioning traffic control system for the project in accordance with Section 12 Temporary Traffic Control of the Caltrans Standard Specifications.

Replace *Reserved* in section 12-3.11B(5) with:

A construction project funding sign must comply with the details shown on the Department's Traffic Operations website.

The sign must be a wood-post sign complying with section 82-3.

The sign panels must be framed, single-sheet aluminum panels complying with section 82-2.

The background on the sign must be Type II retroreflective sheeting. The Type II retroreflective sheeting must be on the Authorized Material List for signing and delineation materials.

The legend must be retroreflective except for nonreflective black letters and numerals. The blue must match PR color no. 3 on FHWA's Color Tolerance Chart. The orange must match PR color no. 6 on FHWA's Color Tolerance Chart.

The legend for the type of project must read as follows:

HIGHWAY CONSTRUCTION

The legend for the types of funding on a construction project funding sign must read as follows and in the following order:

CITY OF SAN DIEGO FUNDS

The Engineer provides the year of completion for the legend on the sign. Install a sign overlay for the year of completion within 15 days of notification.

The legend for the year of completion on a construction project funding sign must read as follows:

YEAR OF COMPLETION 2018

Do not add information to the construction project funding sign unless authorized.

Replace *Reserved* in section 12-3.11C(3) with:

Install 2 Type 1 construction project funding sign at the location determined by the Engineer before starting major work activities visible to highway users.

Dispose of construction project funding signs upon completion of the project if authorized.

Add to the beginning of section 12-3.32C:

For 5 days starting on the day of signal activation, place 1 PCMS in each direction of travel and display the following message in all caps: Signal Ahead -- Prepare To Stop.

Add to the end of the 1st paragraph of section 12-4.02C(1):

except for work shown on the stage construction and traffic handling plans

Add between the 3rd and 4th paragraphs of section 12-4.02C(1):

If complete ramp closure hours and ramp lane requirements are not included, you may close the ramp adjacent to the closed freeway lane.

Keep the full width of the traveled way open to traffic when no active construction activities are occurring in the traveled way or within 6 feet of the traveled way.

Keep the full width of the ramp traveled way open for use by traffic on designated holidays.

Add between the 1st and 2nd paragraphs of section 12-4.02A(3)(c):

Submit a contingency plan for each of the following activities:

1. Cold-planing asphalt concrete for depths of 2 inches or greater
2. HMA paving
3. Asphalt or concrete grinding
4. Striping

Add to the list in the 1st paragraph of section 12-4.02C(3)(a):

3. Work is on the traveled way but within 6 feet of the adjacent traffic lane

Add to the end of section 12-4.02C(3)(a):

If you use an impact attenuator vehicle as a shadow vehicle, you are not required to close the adjacent traffic lane for the following activities:

1. Grinding
2. Grooving
3. Saw cutting of concrete slabs
4. Installing loop detectors

If work vehicles or equipment are parked on the shoulder within 6 feet of a traffic lane of a freeway or expressway, close the shoulder area as shown.

If a connector closure is required within the limits of a freeway lane closure, first complete the work on the connector and the freeway traveled way necessary for the safe passage of traffic between the connector and the open freeway lanes.

Replace *Reserved* in section 12-4.02C(3)(j) with:

Comply with the requirements for the complete ramp closure shown in the following charts:

Chart No. J1 Complete Ramp Closure Hours																									
County: SD					Route/Direction: 94/EB										Post Mile: 5.047, 5.048										
Closure limits: EB Exit ramp to SB Euclid EB Exit ramp to NB Euclid																									
Hour	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mon - Thu	C	C	C	C	C																			C	C
Fri	C	C	C	C	C																				
Sat				C	C	C	C	C	C	C															
Sun				C	C	C	C	C	C	C														C	C
Legend:																									
<input checked="" type="checkbox"/> Ramp may be closed completely.																									
<input type="checkbox"/> Work is allowed within the highway where a shoulder or lane closure is not required.																									
REMARKS: When an exit ramp is closed completely, place a PCMS in the direction of travel allowing traffic the option to use the preceding exit ramp and warning them of the ramp closure ahead.																									

Chart No. J2 Complete Ramp Closure Hours																										
County: SD					Route/Direction: 94/WB										Post Mile: 5.156, 5.318											
Closure limits: WB Entrance ramp from NB Euclid WB Exit ramp to Euclid Ave																										
Hour	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mon - Thu	C	C	C	C	C																			C	C	C
Fri	C	C	C	C	C																					
Sat				C	C	C	C	C	C																	
Sun				C	C	C	C	C	C	C													C	C	C	

Legend:

Ramp may be closed completely.

Work is allowed within the highway where a shoulder or lane closure is not required.

REMARKS: When an exit ramp is closed completely, place a PCMS in the direction of travel allowing traffic the option to use the preceding exit ramp and warning them of the ramp closure ahead.

Replace Reserved in section 12-4.02C(3)(m) with:

Comply with the requirements for a city street lane closure shown in the following chart:

Chart No. M1 City Street Lane Requirements and Hours of Work																										
Location: SD					Direction: NB-SB Euclid Ave																					
Closure limits: Federal Blvd to Hilltop Dr																										
Hour	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mon - Thu	1	1	1	1	1																			1	1	1
Fri	1	1	1	1	1																					
Sat																										
Sun																							1	1	1	

Legend:

1 Provide at least 1 city street lane open in the direction of travel.

No work is allowed.

REMARKS: The number of through traffic lanes in each direction of travel is 2.

Add to the end of section 13-3.01A:

This project's risk level is 2.

Add between the 4th and 5th paragraphs of section 13-3.01C(2)(a):

The following RWQCBs will review the authorized SWPPP:

1. San Diego

Replace the paragraphs in section 13-3.01D(2) with:

Discharges of stormwater from the job site must comply with the permit issued by the San Diego RWQCB for National Pollutant Discharge Elimination System (NPDES) Permit 2009-009-DWQ (as amended by Order 2012-006-DWQ). The San Diego RWQCB permit governs stormwater and nonstormwater discharges resulting from construction activities at the job site. The San Diego RWQCB permit may be viewed at http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml.

Add after the 2nd paragraph of section 14-11.12A:

This project includes removal of yellow painted traffic stripe that will produce hazardous waste residue.

Add after the 1st paragraph of 14-11.12E:

After the Engineer accepts the analytical test results, dispose of yellow thermoplastic and yellow paint hazardous waste residue at a Class 1 disposal facility located in California 30 days after accumulating 220 lb of residue.

If less than 220 lb of hazardous waste residue and dust is generated in total, dispose of it within 30 days after the start of accumulation of the residue.

Add to the 1st paragraph of section 14-11.14A:

Wood removed from roadside signs is treated wood waste.

Add to the end of section 15-1.03C:

At least 2 business days before hauling the material to the salvaged material stockpile location, notify the Engineer and inform the district recycle coordinator at telephone no. (619) 688-6706.

Replace the 2nd, 3rd, and 4th paragraphs of section 19-2.03B with:

Dispose of surplus material. Ensure enough material is available to complete the embankments before disposing of it.

Add to section 20-1.02C:

Select herbicides from the following table:

Herbicides						
Herbicide name	Herbicide type					
	Preemergent (granular)	Preemergent (non granular)	Post-emergent	Selective	Non-selective	Systemic

Aminopyralid	--	--	--	X	--	--
Chlorsulfuron	--	--	--	X	--	--
Clopyralid MEA	--	--	--	--	X	--
Diquat dibromide	--	--	--	--	X	--
Dithiopyr	--	X	--	--	--	--
Fluazifop-P-Butyl	--	--	--	X	--	--
Flumioxazin	--	--	--	X	--	--
Glyphosate	--	--	X	--	--	X
Imazapyr	--	--	--	--	X	--
Isoxaben	--	X	--	--	--	--
Oryzalin	--	X	--	--	--	--
Oxadiazon	X	X	--	--	--	X
Oxyfluorfen (odorless)	--	X	X	--	--	--
Pendimethalin	X	X	X	--	--	--
Prodiamine	--	X	--	--	--	--
Rimsulfuron	--	--	--	X	--	--
Sethoxydim	--	--	X	X	--	--
Sulfentrazone	--	--	--	--	X	--
Sulfometuron-methyl	--	--	--	--	X	--
Sulfosulfuron	--	--	--	--	X	--
Triclopyr	--	--	--	--	--	X

Delete the 5th paragraph of section 20-1.03A.

Add to section 20-1.03C(3):

Control weeds within the highway including medians and surfaced areas such as new and existing pavement, curbs, and sidewalks.

Replace *Reserved* in section 20-1.03E with:

Do not perform planting work in weed germination areas for a period of 21 days after irrigation systems have been installed.

For weed germination areas, keep the soil sufficiently moist to germinate weeds. Weeds that germinate must be controlled by the use of pesticides.

Replace the 3rd paragraph of section 20-2.01A(4)(b)(i) of the RSS for section 20 with:

Supply lines on the discharge side of the valve must be tested in conformance with Method B only. Testing by Method A is not allowed.

Supply lines installed by trenching and backfilling and supply lines that are completely visible after installation must be tested by Method B.

Replace the 2nd paragraph of section 20-2.01B(5) with:

Pull box covers used for low voltage conductors between irrigation equipment and an irrigation controller must comply with section 86-1.02C(1), and be marked SPRINKLER CONTROL.

Replace the 3rd paragraph of section 20-2.01B(7) with:

The valve box cover must include a label with the appropriate controller letter and station number. Labels must:

1. Be 2-layer white over black, exterior-sign-plate plastic
2. Be a minimum size of 2 by 3 inches and 1/8 inch thick
3. Include engraved letters that are a minimum of 1-1/8 inches in height

Replace Reserved in section 20-2.04C(1) with:

Install pull boxes for control and neutral conductor runs at intervals not to exceed 500 feet.

Add to the list in the 1st paragraph of section 20-2.04C(3):

6. Installed between master remote control valves, flow sensors and irrigation controller enclosure cabinets

Add to the list in the 1st paragraph of section 20-2.06B(2)(a):

17. Be EPA WaterSense® approved.

Add to section 20-2.06B(2)(a):

The irrigation controllers within Department highway areas must be as shown below. The vendor must install any necessary software and conduct any initial software or proprietary website setup configuration for communications between controller and any web-enabled device.

You may obtain specified equipment listed below from:

Company: SiteOne
 Address: 5805 Kearny Villa road, San Diego, CA 92123
 Business phone number: (858) 560-6611
 Email address: Quote10@SiteOne.com

The Department has obtained quoted prices, not including sales tax and delivery, for the equipment shown in the following table:

Equipment description	Quoted price (EA)	Quantity	Extended price	Controller identification
CS3000 weather-based irrigation controller with 40-conventional wired station outputs mounted in SSE stainless-steel enclosure and includes transient protection and field-replaceable modules; one antenna hole; does not include antenna	\$6,114.33	1	N/A	CS3-40-S1
CS3000 GPRS cell comm	\$1,506.39	1	N/A	CS3-GR
Calsense Gprs Stubby Antenna W 3Ft Antenna Cable	\$184.17	1	N/A	GRSTUBBY
Calsense 5 Year Data Access Plan	\$708.33	1	N/A	COMM-5YR
Calsense 2 Brass Flowmeter	\$750.83	1	N/A	FM-2B

These prices are good until 5/25/2017.

Replace item 1 in the list in the 1st paragraph of section 20-2.06B(3) with:

1. Be cold-rolled steel or aluminum. The finish color of the irrigation controller enclosure cabinets must match color no. 20450 of FED-STD-595.

Delete items 2. in the list in the 1st paragraph of section 20-2.06B(3).

Replace item 6 in the list in the 1st paragraph of section 20-2.06B(3) with:

6. Have door locks with a removable-core mortise cam cylinder door lock compatible with the Department's lock core. The Department's lock core is a Best construction core. Keys must be removable from the locks in the locked position only.

Add to section 20-2.06C:

Install door locks under the manufacturer's instructions. Furnish 2 keys for each door lock before Contract acceptance.

Add to section 20-2.07C(1):

Install top of conduits:

1. 18 to 30 inches below the finished surface in sidewalk, driveway and path areas.
2. 40 to 52 inches below the finished grade in traveled way areas.

Replace the 2nd sentence in the 3rd paragraph of section 20-2.09B(4) with:

Drain grate must be sand.

Replace the 4th paragraph of section 20-2.09B(4) with:

Pea gravel for filling the drainpipe must have a maximum diameter of 1/2 inch. Pea gravel must be naturally rounded aggregate, clean, washed, dry, and free from clay or organic material.

Add to section 20-2.10B(6):

Pipe flanges used to connect plastic or metal to gate valves must be metal.

Replace item 2 in the list in the 1st paragraph of section 20-2.10B(10)(a) with:

2. Be brass or bronze.

Add to the list in 1st paragraph of section 20-2.10B(10)(a):

12. Be equipped with a self-flushing feature for recycled water.
13. Not have external tubing.

Add to section 20-3.01B(3):

20-3.01B(3)(a) Iron Sulfate

Iron sulfate must be ferrous sulfate in pelleted or granular form containing not less than 18.5 percent iron expressed as metallic iron. Iron sulfate must comply with the Food & Agri Code.

Add to section 20-4.03D:

Dispose of weeds under section 20-1.03C(4)

Replace *Reserved* in section 71-6.03 with:

71-6.03A General

Abandon culverts or pipelines by removing portions of the culverts or pipelines, filling the inside, and backfilling the depressions and trenches to grade. As an alternative to abandoning a culvert or pipeline, you may remove the culvert or pipeline, dispose of it, and backfill.

Notify the Engineer before abandoning a culvert or pipeline.

71-6.03B Materials

Openings into existing structures that are to remain in place must be plugged with minor concrete under section 90.

71-6.03C Construction

Wherever culverts or pipelines intersect side slopes, remove them to a depth of at least 3 feet. Measure the depth normal to the plane of the finished side slope. Abandon the remaining portion of the culvert or pipeline.

Culverts or pipelines that are 12 inches or more in diameter must be completely filled by authorized methods. Backfill with sand that is clean, free draining, and free from roots and other deleterious substances. As an alternative to sand, you may backfill with one of the following:

1. Controlled low-strength material under section 19-3.02F
2. Slurry cement backfill under section 19-3.02D

Ends of culverts and pipelines must be securely closed by a 6-inch-thick, tight-fitting plug or wall of commercial-quality concrete.

71-6.03D Payment

If backfilling inside the culvert or pipeline is required, payment for backfilling inside the culverts or pipelines is included in the payment for abandon culvert or abandon pipeline. Payment for backfilling outside the culvert or pipeline is included in the payment for abandon culvert or abandon pipeline.

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A
ENVIRONMENTAL REPORT AND NOTICE OF EXEMPTION

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM

11-SD-94	4.9/5.2	42450	1117000032
Dist.-Co.-Rte. (or Local Agency)	P.M./P.M.	E.A/Project No.	Federal-Aid Project No. (Local Project)/Project No.

PROJECT DESCRIPTION: (Briefly describe project including need, purpose, location, limits, right-of-way requirements, and activities involved in this box. Use *Continuation Sheet*, if necessary.)

The City of San Diego proposes to make improvements to the SR-94/Euclid Avenue Interchange. Improvements include reconfiguring the SR-94 eastbound ramps to reduce speeds, and control vehicles with a traffic signal; reconfigure the westbound SR-94 loop off-ramp and on-ramp to eliminate free right turns and reduce speeds; install signals along Euclid Avenue for eastbound and westbound ramps; install Class II bike lanes on Euclid Avenue bridge deck; designate Class II bike lanes as appropriate; and provide a pedestrian island passageway on Euclid Avenue. All work is within Caltrans and City of San Diego Right of Way. The City of San Diego will complete the work through a future Encroachment Permit. See Page 2 for requirements.

CEQA COMPLIANCE (for State Projects only)

Based on an examination of this proposal and supporting information, the following statements are true and exceptions do not apply (See 14 CCR 15300 et seq.):

- If this project falls within exempt class 3, 4, 5, 6 or 11, it does not impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law.
- There will not be a significant cumulative effect by this project and successive projects of the same type in the same place, over time.
- There is not a reasonable possibility that the project will have a significant effect on the environment due to unusual circumstances.
- This project does not damage a scenic resource within an officially designated state scenic highway.
- This project is not located on a site included on any list compiled pursuant to Govt. Code § 65962.5 ("Cortese List").
- This project does not cause a substantial adverse change in the significance of a historical resource.

CALTRANS CEQA DETERMINATION (Check one)

- Not Applicable – Caltrans is not the CEQA Lead Agency Not Applicable – Caltrans has prepared an Initial Study or Environmental Impact Report under CEQA
- Exempt by Statute. (PRC 21080[b]; 14 CCR 15260 et seq.)
Based on an examination of this proposal, supporting information, and the above statements, the project is:
- Categorically Exempt. Class 1.** (PRC 21084; 14 CCR 15300 et seq.)
- Categorically Exempt. General Rule exemption.** [This project does not fall within an exempt class, but it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment (CCR 15061[b][3].)]

Olga Estrada

Print Name: Senior Environmental Planner or Environmental Branch Chief

Signature

4-12-17
Date

Tan Doan

Print Name: Project Manager

Signature

4/12/17
Date

NEPA COMPLIANCE

In accordance with 23 CFR 771.117, and based on an examination of this proposal and supporting information, the State has determined that this project:

- does not individually or cumulatively have a significant impact on the environment as defined by NEPA, and is excluded from the requirements to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS), and
- has considered unusual circumstances pursuant to 23 CFR 771.117(b).

CALTRANS NEPA DETERMINATION (Check one)

- 23 USC 326:** The State has determined that this project has no significant impacts on the environment as defined by NEPA, and that there are no unusual circumstances as described in 23 CFR 771.117(b). As such, the project is categorically excluded from the requirements to prepare an EA or EIS under the National Environmental Policy Act. The State has been assigned, and hereby certifies that it has carried out the responsibility to make this determination pursuant to Chapter 3 of Title 23, United States Code, Section 326 and a Memorandum of Understanding dated May 31, 2016, executed between the FHWA and the State. The State has determined that the project is a Categorical Exclusion under:
- 23 CFR 771.117(c): activity (c) ()
 - 23 CFR 771.117(d): activity (d) ()
 - Activity ___ listed in Appendix A of the MOU between FHWA and the State
- 23 USC 327:** Based on an examination of this proposal and supporting information, the State has determined that the project is a Categorical Exclusion under 23 USC 327.

Print Name: Senior Environmental Planner or Environmental Branch Chief

Signature

Date

Print Name: Project Manager/DLA Engineer

Signature

Date

Date of Categorical Exclusion Checklist completion:

Date of ECR or equivalent :

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM
Continuation Sheet

11-SD-94	4.9/5.2	42450	1117000032
Dist.-Co.-Rte. (or Local Agency)	P.M./P.M.	E.A/Project No.	Federal-Aid Project No. (Local Project)/Project No.

Continued from page 1:

Biological Resources:

- The contractor is required to plant and/or hydroseed the temporary disturbed areas with similar vegetation after completion of work.
- Any vegetation clearing will be outside of the breeding season (February 15-September 15) and if vegetation removal must occur a Qualified Biologist will conduct a pre-construction survey to determine presence or absence of nesting birds in the project area.
- The pre-construction survey will be conducted within 10 calendar days prior to the start of construction activities. The results of the survey will be reviewed and approved by the City Development Services Department prior to initiating any construction activities. If nesting birds are found, a letter report or mitigation plan will be prepared with avoidance measures. The City's Mitigation Monitoring Coordination Section or Resident Engineer, and Biologist will verify and approve the measures in the report prior to and/or during construction. If nesting birds are not found, no further minimization measures are required.

Hazardous Materials:

- Soil at the project site is considered non-hazardous and may be disposed at a Class III facility. The soil can be classified as Type C and may be used on either on-site or at commercial properties. For off-site disposal, additional sampling may be required by the approved disposal facility prior to acceptance.
- SSP 7-1.02K(6)(i)(iii) *Earth Material Containing Lead* shall be followed and a Lead Compliance Plan (LCP) will be required.
- Removal of wood guardrail posts or wood sign posts must be managed as a non-hazardous designated waste by being disposed at a composite-lined solid waste landfill facility permitted to accept such wastes. SSP 14-11.09 will be followed for the handling of this waste.
- If yellow stripe or thermoplastic are removed, the age of the striping will need to be considered. Newer striping does not contain lead. If it is determined that it is newer striping, SSP 15-2.02C(2) is appropriate which would involve a LCP without disposal as a hazardous waste. If the striping is unknown, SSP 14-11.07 must be included to collect the residue and determine if it is a hazardous waste. If the stripe is going to be removed as part of cold plane or grinding operation where the stripe is being removed with asphalt concrete, then SSP 15-1.03B will need to be used. Regardless, a bid item will be required to include a LCP.
- The City should verify the presence of trenches in close proximity to any proposed LID facilities and/or deep trenches which may intercept the flow of the infiltrated water from LID facilities.

Community:

- Contractor will be required to develop and implement a Traffic Management Plan to minimize traffic impacts, maintain pedestrian and ADA access points within the construction area or provide alternatives; provide alternative routes for bicyclists along Euclid Avenue to maintain circulation patterns; ensure compliance with the City's established construction noise standards; identify detour routes (as appropriate) and/or lane closures and maintain traffic flow for utilities/emergency services; and implement fugitive dust controls.

Paleontological Resources:

- Any proposed excavation activities that extend deep enough may impact fossils therein and therefore a complete paleontological resource mitigation program during ground disturbing activities is required.

NPDES:

- Prior to Construction, a SWPPP will need to be submitted for Caltrans NPDES review and approval.

Visual Resources:

- Visual measures have been incorporated into the project plans to minimize potential impacts to visual resources

NOTICE OF EXEMPTION

(Check one or both)

TO: RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
525 B STREET, SUITE 750, MS 908A
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT/WBS No.: S-14009.02.06 PROJECT TITLE: SR-94/Euclid Avenue Interchange - Geotechnical Investigation

PROJECT LOCATION-SPECIFIC: The project is located on Euclid Avenue and the State Route 94 freeway interchange within the Mid-City Eastern and Encanto Neighborhoods Community Planning Areas (Council District 4).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: Amendment of an existing contract to include soil sampling for an Aerially Deposited Lead (ADL) survey, and test holes for percolation testing to evaluate the ground permeability in near proximity to Euclid Avenue and the State Route 94 freeway interchange in order to analyze soil conditions for the future improvements of the roadway and interchange. These services will include obtaining utility mark-outs; obtaining and implementing traffic control plans if needed; collection of soil samples with 4-inch diameter auger to maximum depth of 2.5 feet at 13 locations; and performance of 8 percolation test holes with 6-inch solid stem auger to depths ranging between 4 feet to 6 feet noting geologic conditions pertinent to roadway construction including the characterization of subsurface materials; collection and testing of soil samples; reviewing maps and literature; preparing a written report presenting findings and conclusions of subsurface soil conditions including potential for liquefaction and/or groundwater and earthwork considerations.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works Department
James Arnhart, Senior Planner
525 B Street, Suite 750, San Diego, CA 92101
(619) 533-5275

EXEMPT STATUS: (CHECK ONE)

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- CATEGORICAL EXEMPTION:
- STATUTORY EXEMPTIONS: 15262 (Feasibility and Planning Studies)

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review, which determined the action meets the statutory exemption criteria set forth in CEQA State Guidelines Section 15262 (Feasibility and Planning Studies) in order to approve the design contract only, which includes ground-disturbing activities for geotechnical investigation/evaluation.

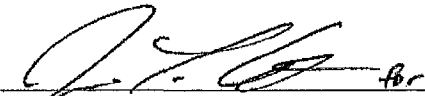
Revised February 8, 2017 JA

LEAD AGENCY CONTACT PERSON: James Arnhart, Senior Planner

TELEPHONE: (619) 533-5275

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO



CARRIE PURCELL, ASSISTANT DEPUTY DIRECTOR

2/18/17

DATE

CHECK ONE:

- (X) SIGNED BY LEAD AGENCY
() SIGNED BY APPLICANT

DATE RECEIVED FOR FILING AT OPR:

APPENDIX B

FIRE HYDRANT METER PROGRAM

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 1 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

1. **PURPOSE**

1.1 To establish a Departmental policy and procedure for issuance, proper usage and charges for fire hydrant meters.

2. **AUTHORITY**

2.1 All authorities and references shall be current versions and revisions.

2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15

2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986

2.4 California Code of Regulations, Titles 17 and 22

2.5 California State Penal Code, Section 498B.0

2.6 State of California Water Code, Section 110, 500-6, and 520-23

2.7 Water Department Director

Reference

2.8 State of California Guidance Manual for Cross Connection Programs

2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention

2.10 American Water Works Association Standards for Water Meters

2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

3.1 **Fire Hydrant Meter:** A portable water meter which is connected to a fire hydrant for the purpose of temporary use. (These meters are sometimes referred to as Construction Meters.)

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 3 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

2. The meter must be properly identifiable with a clearly labeled serial number on the body of the fire hydrant meter. The serial number shall be plainly stamped on the register lid and the main casing. Serial numbers shall be visible from the top of the meter casing and the numbers shall be stamped on the top of the inlet casing flange.
3. All meters shall be locked to the fire hydrant by the Water Department, Meter Section (see Section 4.7).
4. All meters shall be read by the Water Department, Meter Section (see Section 4.7).
5. All meters shall be relocated by the Water Department, Meter Section (see Section 4.7).
6. These meters shall be tested on the anniversary of the original test date and proof of testing will be submitted to the Water Department, Meter Shop, on a yearly basis. If not tested, the meter will not be allowed for use in the City of San Diego.
7. All private fire hydrant meters shall have backflow devices attached when installed.
8. The customer must maintain and repair their own private meters and private backflows.
9. The customer must provide current test and calibration results to the Water Department, Meter Shop after any repairs.
10. When private meters are damaged beyond repair, these private meters will be replaced by City owned fire hydrant meters.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
	SUPERSEDES DI 55.27	DATED April 21, 2000

11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
 12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
 13. The outlet shall have a 2 ½ "National Standards Tested (NST) fire hydrant male coupling.
 14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).
- 4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.
- 4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.

4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter

Process for Issuance

- a. Fire hydrant meters shall only be used for the following purposes:
 1. Temporary irrigation purposes not to exceed one year.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 5 OF 10	EFFECTIVE DATE October 15, 2002
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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

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meter shall be installed within 48 hours (by the second business day). For an additional fee, at overtime rates, meters can be installed within 24 hours (within one business day).

4.7 Relocation of Existing Fire Hydrant Meters

- a. The customer shall call the Fire Hydrant Meter Hotline (herein referred to as "Hotline"), a minimum of 24 hours in advance, to request the relocation of a meter. A fee will be charged to the existing account, which must be current before a work order is generated for the meter's relocation.
- b. The customer will supply in writing the address where the meter is to be relocated (map page, cross street, etc). The customer must update the original Fire Hydrant Meter Application with any changes as it applies to the new location.
- c. Fire hydrant meters shall be read on a monthly basis. While fire hydrant meters and backflow devices are in service, commodity, base fee and damage charges, if applicable, will be billed to the customer on a monthly basis. If the account becomes delinquent, the meter will be removed.

4.8 Disconnection of Fire Hydrant Meter

- a. After ten (10) months a "Notice of Discontinuation of Service" (Tab 3) will be issued to the site and the address of record to notify the customer of the date of discontinuance of service. An extension can only be granted in writing from the Water Department Director for up to 90 additional days (as stated in Section 4.6C) and a copy of the extension shall be forwarded to the Meter Shop Supervisor. If an extension has not been approved, the meter will be removed after twelve (12) months of use.
- b. Upon completion of the project the customer will notify the Meter Services office via the Hotline to request the removal of the fire hydrant meter and appurtenances. A work order will be generated

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for removal of the meter.

- c. Meter Section staff will remove the meter and backflow prevention assembly and return it to the Meter Shop. Once returned to the Meter Shop the meter and backflow will be tested for accuracy and functionality.
- d. Meter Section Staff will contact and notify Customer Services of the final read and any charges resulting from damages to the meter and backflow or its appurtenance. These charges will be added on the customer's final bill and will be sent to the address of record. Any customer who has an outstanding balance will not receive additional meters.
- e. Outstanding balances due may be deducted from deposits and any balances refunded to the customer. Any outstanding balances will be turned over to the City Treasurer for collection. Outstanding balances may also be transferred to any other existing accounts.

5. **EXCEPTIONS**

5.1 Any request for exceptions to this policy shall be presented, in writing, to the Customer Support Deputy Director, or his/her designee for consideration.

6. **MOBILE METER**

6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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inspection. After installation is approved by the Meter Shop the vehicle and meter shall be brought to the Meter Shop on a monthly basis for meter reading and on a quarterly basis for testing of the backflow assembly. Meters mounted at the owner's expense shall have the one year contract expiration waived and shall have meter or backflow changed if either fails.

b) **Floating Meters:** Floating Meters are meters that are not mounted to a vehicle. **(Note: All floating meters shall have an approved backflow assembly attached.)** The customer shall submit an application and a letter explaining the need for a floating meter to the Meter Shop. The Fire Hydrant Meter Administrator, after a thorough review of the needs of the customer, (i.e. number of jobsites per day, City contract work, lack of mounting area on work vehicle, etc.), may issue a floating meter. At the time of issue, it will be necessary for the customer to complete and sign the "Floating Fire Hydrant Meter Agreement" which states the following:

- 1) The meter will be brought to the Meter Shop at 2797 Caminito Chollas, San Diego on the third week of each month for the monthly read by Meter Shop personnel.
- 2) Every other month the meter will be read and the backflow will be tested. This date will be determined by the start date of the agreement.

If any of the conditions stated above are not met the Meter Shop has the right to cancel the contract for floating meter use and close the account associated with the meter. The Meter Shop will also exercise the right to refuse the issuance of another floating meter to the company in question.

Any Fire Hydrant Meter using reclaimed water shall not be allowed use again with any potable water supply. The customer shall incur the cost of replacing the meter and backflow device in this instance.

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7. FEE AND DEPOSIT SCHEDULES

7.1 **Fees and Deposit Schedules:** The fees and deposits, as listed in the Rate Book of Fees and Charges, on file with the Office of the City Clerk, are based on actual reimbursement of costs of services performed, equipment and materials. These deposits and fees will be amended, as needed, based on actual costs. Deposits, will be refunded at the end of the use of the fire hydrant meter, upon return of equipment in good working condition and all outstanding balances on account are paid. Deposits can also be used to cover outstanding balances.

All fees for equipment, installation, testing, relocation and other costs related to this program are subject to change without prior notification. The Mayor and Council will be notified of any future changes.

8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

8.1 Use of water from any fire hydrant without a properly issued and installed fire hydrant meter is theft of City property. Customers who use water for unauthorized purposes or without a City of San Diego issued meter will be prosecuted.

8.2 If any unauthorized connection, disconnection or relocation of a fire hydrant meter, or other connection device is made by anyone other than authorized Water Department personnel, the person making the connection will be prosecuted for a violation of San Diego Municipal Code, Section 67.15. In the case of a second offense, the customer's fire hydrant meter shall be confiscated and/or the deposit will be forfeited.

8.3 Unauthorized water use shall be billed to the responsible party. Water use charges shall be based on meter readings, or estimates when meter readings are not available.

8.4 In case of unauthorized water use, the customer shall be billed for all applicable charges as if proper authorization for the water use had been obtained, including but not limited to bi-monthly service charges, installation charges and removal charges.

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- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

**Larry Gardner
Water Department Director**

- Tabs: 1. Fire Hydrant Meter Application
2. Construction & Maintenance Related Activities With No Return To Sewer
3. Notice of Discontinuation of Service

APPENDIX

Administering Division: Customer Support Division

Subject Index: Construction Meters
Fire Hydrant
Fire Hydrant Meter Program
Meters, Floating or Vehicle Mounted
Mobile Meter
Program, Fire Hydrant Meter

Distribution: DI Manual Holders



Application for Fire (EXHIBIT A) Hydrant Meter

(For Office Use Only)

METER SHOP (619) 527-7449

NS REQ	FAC#
DATE	BY

Meter Information

Application Date	Requested Install Date:
------------------	-------------------------

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	T.B.	G.B. (CITY USE)
Specific Use of Water:		
Any Return to Sewer or Storm Drain, If so, explain:		
Estimated Duration of Meter Use: <input type="text"/>	<input type="checkbox"/>	Check Box if Reclaimed Water

Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ()
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>		Phone: ()	
Site Contact Name and Title:		Phone: ()	
Responsible Party Name:		Title:	
Cal ID#		Phone: ()	
Signature:		Date:	
Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter			

Fire Hydrant Meter Removal Request	Requested Removal Date:
Provide Current Meter Location if Different from Above:	
Signature:	Title: Date:
Phone: ()	Pager: ()

City Meter	Private Meter
Contract Acct #:	Deposit Amount: \$ 936.00 Fees Amount: \$ 62.00
Meter Serial #	Meter Size: 05 Meter Make and Style: 6-7
Backflow #	Backflow Size: Backflow Make and Style:
Name:	Signature: Date:

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

Auto Detailing
Backfilling
Combination Cleaners (Vactors)
Compaction
Concrete Cutters
Construction Trailers
Cross Connection Testing
Dust Control
Flushing Water Mains
Hydro Blasting
Hydro Seeing
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing

Note:

1. If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charges.

Date

Name of Responsible Party
Company Name and Address
Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

The authorization for use of Fire Hydrant Meter # _____, located at (*Meter Location Address*) ends in 60 days and will be removed on or after (*Date Authorization Expires*). Extension requests for an additional 90 days must be submitted in writing for consideration 30 days prior to the discontinuation date. If you require an extension, please contact the Water Department, or mail your request for an extension to:

City of San Diego
Water Department
Attention: Meter Services
2797 Caminito Chollas
San Diego, CA 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant Hotline at (619) _____ - _____.

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

Materials Typically Accepted by Certificate of Compliance

1. Soil amendment
2. Fiber mulch
3. PVC or PE pipe up to 16 inch diameter
4. Stabilizing emulsion
5. Lime
6. Preformed elastomeric joint seal
7. Plain and fabric reinforced elastomeric bearing pads
8. Steel reinforced elastomeric bearing pads
9. Waterstops (Special Condition)
10. Epoxy coated bar reinforcement
11. Plain and reinforcing steel
12. Structural steel
13. Structural timber and lumber
14. Treated timber and lumber
15. Lumber and timber
16. Aluminum pipe and aluminum pipe arch
17. Corrugated steel pipe and corrugated steel pipe arch
18. Structural metal plate pipe arches and pipe arches
19. Perforated steel pipe
20. Aluminum underdrain pipe
21. Aluminum or steel entrance tapers, pipe downdrains, reducers, coupling bands and slip joints
22. Metal target plates
23. Paint (traffic striping)
24. Conductors
25. Painting of electrical equipment
26. Electrical components
27. Engineering fabric
28. Portland Cement
29. PCC admixtures
30. Minor concrete, asphalt
31. Asphalt (oil)
32. Liquid asphalt emulsion
33. Epoxy

APPENDIX D

SAMPLE CITY INVOICE

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123		Contractor's Name:	
Project Name:		Contractor's Address:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	Invoice No.
Resident Engineer (RE):		Contractor's fax #:	Invoice Date:
RE Phone#:	Fax#:	Contact Name:	Billing Period: (to

Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1										0.00%	\$ -
2										0.00%	\$ -
3										0.00%	\$ -
4										0.00%	\$ -
5										0.00%	\$ -
6										0.00%	\$ -
7										0.00%	\$ -
8										0.00%	\$ -
9										0.00%	\$ -
10										0.00%	\$ -
11										0.00%	\$ -
12										0.00%	\$ -
13										0.00%	\$ -
14										0.00%	\$ -
15										0.00%	\$ -
16										0.00%	\$ -
17	Field Orders									0.00%	\$ -
18										0.00%	\$ -
	CHANGE ORDER No.									0.00%	\$ -
										0.00%	\$ -
Total Authorized Amount (including approved Change Order)										Total Billed	\$ -

SUMMARY

A. Original Contract Amount	\$ -
B. Approved Change Order #00 Thru #00	\$ -
C. Total Authorized Amount (A+B)	\$ -
D. Total Billed to Date	\$ -
E. Less Total Retention (5% of D)	\$ -
F. Less Total Previous Payments	\$ -
G. Payment Due Less Retention	\$0.00
H. Remaining Authorized Amount	\$0.00

I certify that the materials
have been received by me in
the quality and quantity specified

Resident Engineer

Construction Engineer

Retention and/or Escrow Payment Schedule

Total Retention Required as of this billing (Item E)	\$0.00
Previous Retention Withheld in PO or in Escrow	\$0.00
Add'l Amt to Withhold in PO/Transfer in Escrow:	\$0.00
Amt to Release to Contractor from PO/Escrow:	

Contractor Signature and Date: _____

APPENDIX E
HAZARDOUS LABEL/FORMS

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

Questions for Incident Assessment:

- | | YES | NO |
|---|--------------------------|--------------------------|
| 1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Did anyone, other than employees in the immediate area of the release, evacuate? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Did the release cause off-site damage to public or private property? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Is the release greater than or equal to a reportable quantity (RQ)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Was there an uncontrolled or unpermitted release to the air? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent? | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment? | <input type="checkbox"/> | <input type="checkbox"/> |

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -		
B	INCIDENT MO DAY YR DATE	TIME OES NOTIFIED	(use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY	COUNTY	ZIP
D	CHEMICAL OR TRADE NAME (print or type)		CAS Number	
E	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>		CHECK IF RELEASE REQUIRES NOTIFI - CATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>	
F	PHYSICAL STATE CONTAINED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	QUANTITY RELEASED	
G	ENVIRONMENTAL CONTAMINATION <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE	DURATION OF RELEASE — DAYS — HOURS — MINUTES	
H	ACTIONS TAKEN			
I	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)			
J	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____			
K	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____			
L	<input type="checkbox"/> NOTKNOWN (explain) _____			
M	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS			
N	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)			
O	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.			
P	REPORTING FACILITY REPRESENTATIVE (print or type)			
Q	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____			DATE: _____

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

HAZARDOUS WASTE

STATE AND FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY
AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
OR THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES

GENERATOR NAME _____

ADDRESS _____ 24 HR. PHONE () _____

CITY _____ STATE _____ ZIP _____

EPA ID NO. _____ MANIFEST DOCUMENT NO. _____

EPA WASTE NO. _____ CA WASTE NO. _____ ACCUMULATION START DATE _____ / /

CONTENTS, COMPOSITION _____

PROPER DOT SHIPPING NAME _____

TECHNICAL NAME (S) _____

UN/NA NO. WITH PREFIX _____

PHYSICAL STATE | HAZARDOUS PROPERTIES | FLAMMABLE | TOXIC
 SOLID | LIQUID | CORROSIVE | REACTIVE | OTHER _____

HANDLE WITH CARE!
CONTAINS HAZARDOUS OR TOXIC WASTES

APPENDIX F
SAMPLE OF PUBLIC NOTICE

FOR SAMPLE REFERENCE ONLY



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:


- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday 7 a.m. to 4 p.m.

City of San Diego Contractor:

KTA Construction 619-719-3771

To contact the City of San Diego:  **Public Works**
619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP



CONSTRUCTION NOTICE

PROJECT TITLE

Work on your street will begin within one week to replace the existing water mains servicing your community.

The work will consist of:

- Saw-cutting and trench work on Ingulf Street from Morena Boulevard to Galveston Street to install new water mains, water laterals and fire hydrants.
- Streets where trenching takes place will be resurfaced and curb ramps will be upgraded to facilitate access for persons with disabilities where required.
- This work is anticipated to be complete in your community by December 2016.

How your neighborhood may be impacted:

- Water service to some properties during construction will be provided by a two-inch highline pipe that will run along the curb. To report a highline leak call 619-515-3525.
- Temporary water service disruptions are planned. If planned disruptions impact your property, you will receive advance notice.
- Parking restrictions will exist because of the presence of construction equipment and materials.
- "No Parking" signs will be displayed 72 hours in advance of the work.
- Cars parked in violation of signs will be TOWED.

Hours and Days of Operation:

Monday through Friday 7 a.m. to 4 p.m.

City of San Diego Contractor:

KTA Construction 619-719-3771

To contact the City of San Diego:  **Public Works**
619-533-4207 | engineering@sandiego.gov | sandiego.gov/CIP

APPENDIX G

ADVANCED METERING INFRASTRUCTURE (AMI) DEVICE PROTECTION

Protecting AMI Devices in Meter Boxes and on Street Lights

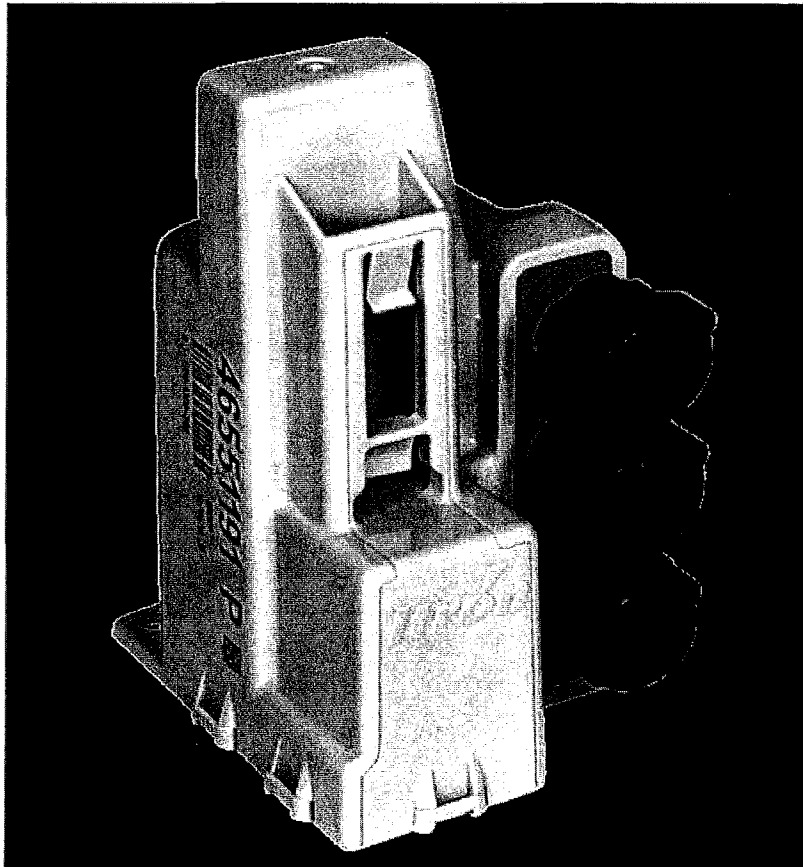
The Public Utilities Department (PUD) has begun the installation of the Advanced Metering Infrastructure (AMI) technology as a new tool to enhance water meter reading accuracy and efficiency, customer service and billing, and to be used by individual accounts to better manage the efficient use of water. **All AMI devices shall be protected per Section 5-2, "Protection", of the 2015 Whitebook.**

AMI technology allows water meters to be read electronically rather than through direct visual inspection by PUD field staff. This will assist PUD staff and customers in managing unusual consumption patterns which could indicate leaks or meter tampering on a customer's property.

Three of the main components of an AMI system are the:

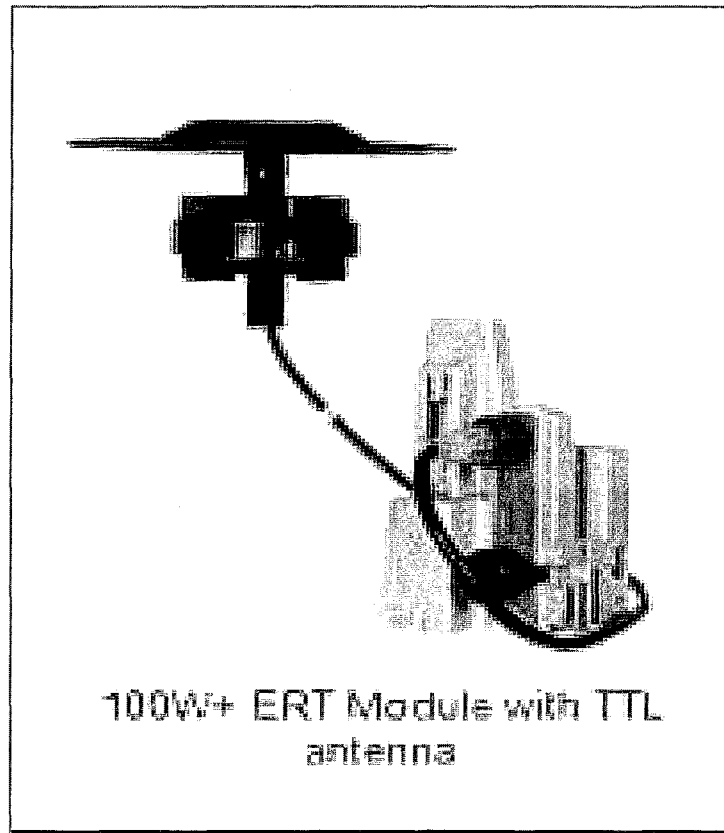
- A. Endpoints, see Photo 1:

Photo 1



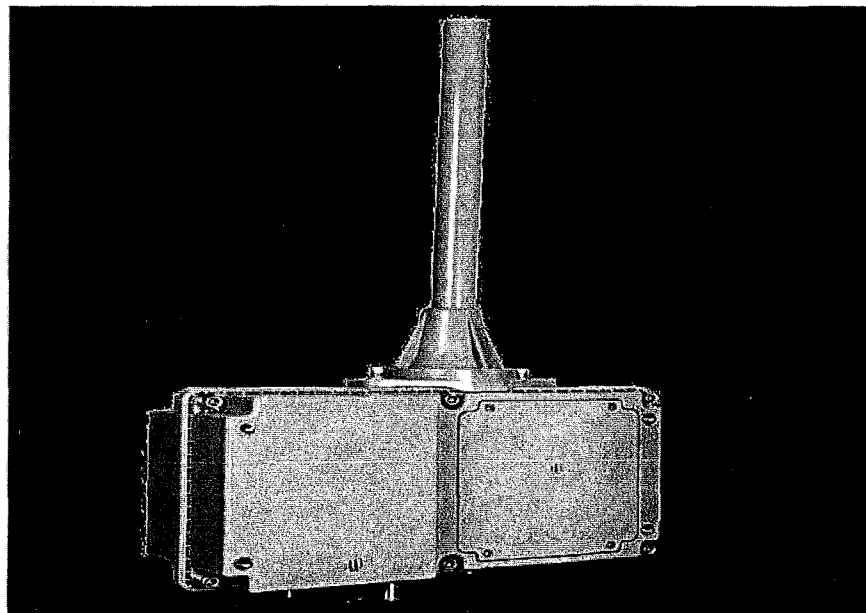
B. AMI Antenna attached to Endpoint (antenna not always required), see Photo 2:

Photo 2



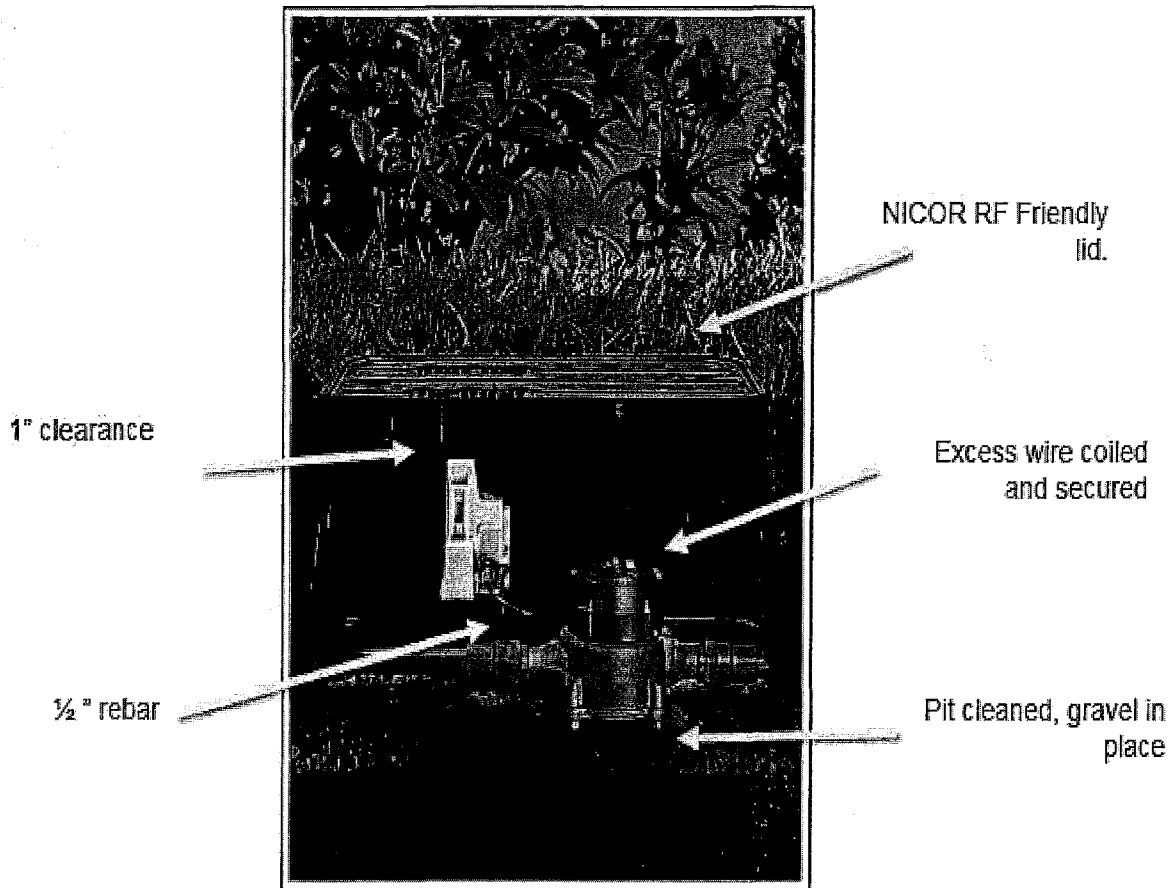
Network Devices, see Photo 3:

Photo 3



AMI endpoints transmit meter information to the AMI system and will soon be on the vast majority of meters in San Diego. These AMI devices provide interval consumption data to the PUD's Customer Support Division. If these devices are damaged or communication is interrupted, this Division will be alerted of the situation. The endpoints are installed in water meter boxes, coffins, and vaults adjacent to the meter. A separate flat round antenna may also be installed through the meter box lid. This antenna is connected to the endpoint via cable. The following proper installation shall be implemented when removing the lid to avoid damaging the antenna, cable, and/or endpoint. Photo 4 below demonstrates a diagram of the connection:

Photo 4



The AMI device ERT/Endpoint/Transmitter shall be positioned and installed as discussed in this Appendix. If the ERT/Endpoint/Transmitter is disturbed, it shall be re-installed and returned to its original installation with the end points pointed upwards as shown below in Photo 5.

The PUD's code compliance staff will issue citations and invoices to you for any damaged AMI devices that are not re-installed as discussed in the Contract Document

Photo 5 below shows a typical installation of an AMI endpoint on a water meter.

Photo 5

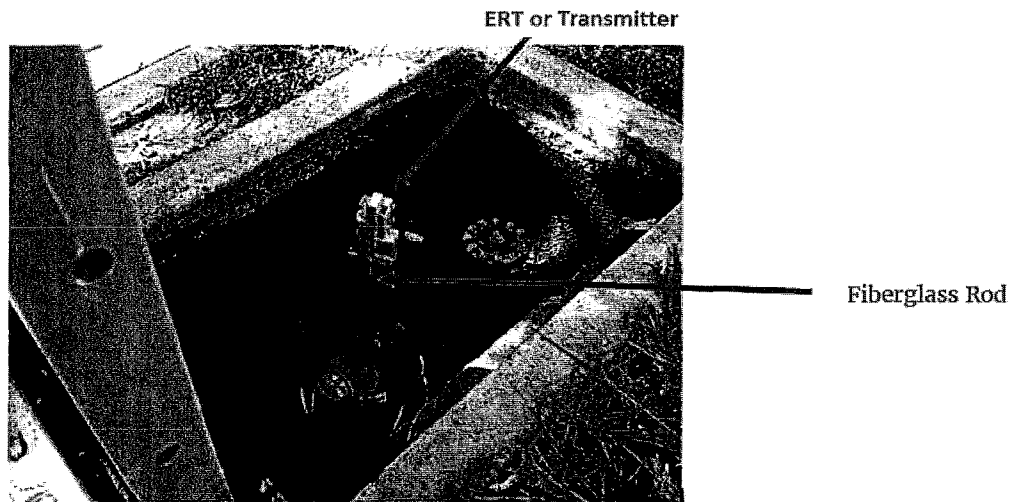
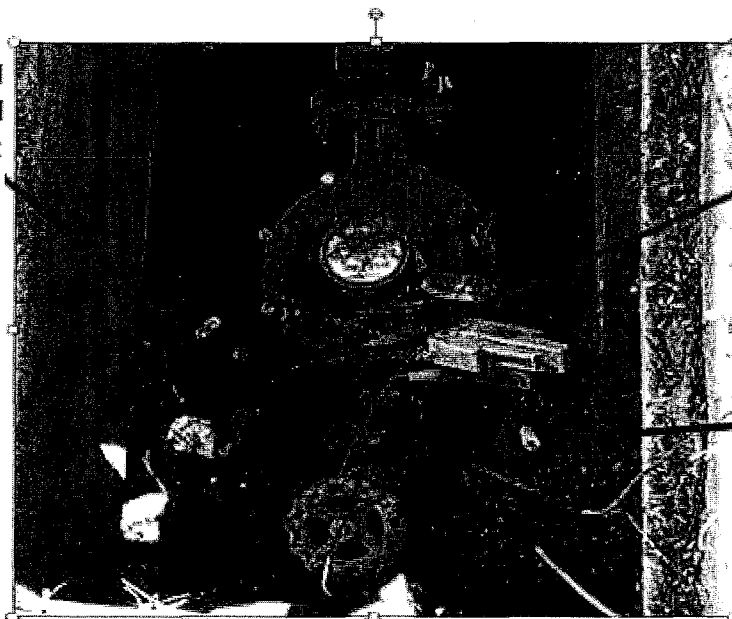


Photo 6 below is an example of disturbance that shall be avoided:

Photo 6

The antenna was drilled into the lid and now it is removed



You are responsible when working in and around meter boxes. If you encounter these endpoints, use proper care and do not disconnect them from the registers on top of the water meter. If the lid has an antenna drilled through, do not change or tamper with the lid and inform the Resident Engineer immediately about the location of that lid. Refer to Photo 7 below:

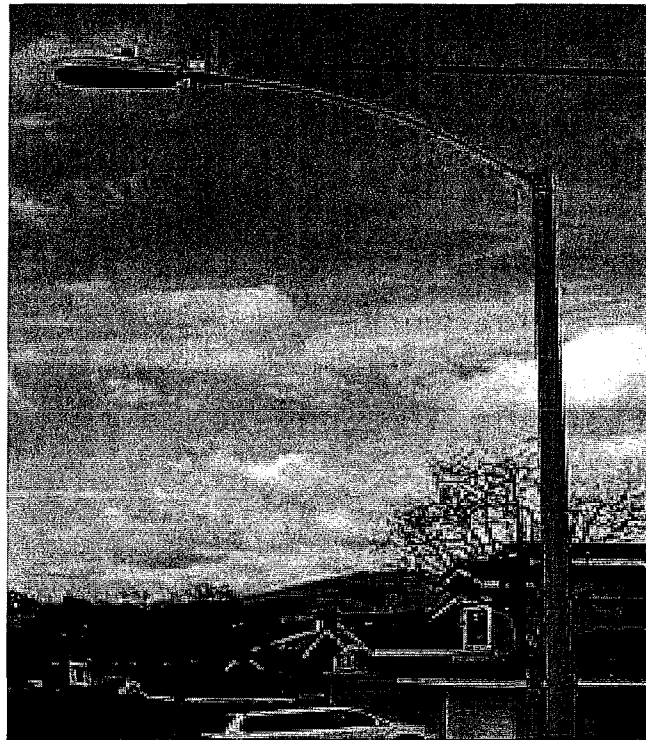
Photo 7



Another component of the AMI system are the Network Devices. The Network Devices are strategically placed units (mainly on street light poles) that collect interval meter reading data from multiple meters for transmission to the Department Control Computer. **If you come across any of these devices on street lights that will be removed or replaced (refer to Photos 8 and 9 below), notify AMI Project Manager Arwa Sayed at (619) 362-0121 immediately.**

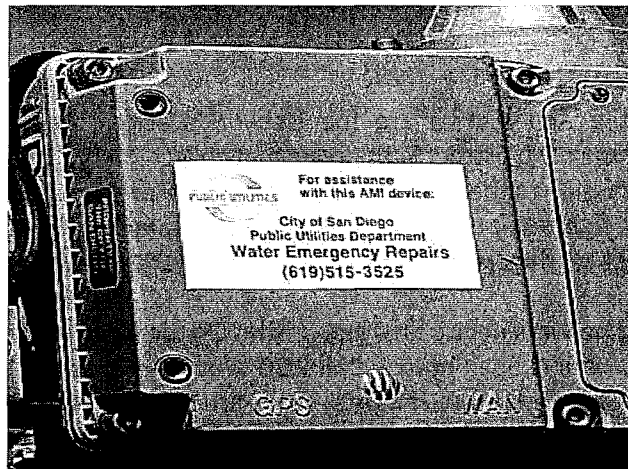
Photo 8 shows an installed network device on a street light. On the back of each Network Device is a sticker with contact information. See Photo 9. **Call PUD Water Emergency Repairs at 619-515-3525 if your work will impact these street lights.** These are assets that belong to the City of San Diego and you shall be responsible for any costs of disruption of this network.

Photo 8



Network Device

Photo 9



If you encounter any bad installations, disconnected/broken/buried endpoints, or inadvertently damage any AMI devices or cables, notify the Resident Engineer immediately. The Resident Engineer will then immediately contact the AMI Project Manager, Arwa Sayed, at (619) 362-0121.

APPENDIX H

LONG TERM REVEGETATION MAINTENANCE AGREEMENT

LONG-TERM REVEGETATION MAINTENANCE AGREEMENT 1

This Long-Term Revegetation Maintenance Contract (LTRMC) is made and entered into by and between the City of San Diego (City), a municipal corporation, and **Blue Pacific Engineering & Construction** (Contractor), who may be individually or collectively referred to herein as a "Party" or the "Parties."

RECITALS

- A. Concurrent with execution of this LTRMC, the Parties entered into a general contract (Construction Contract) for the construction of **SR94/Euclid Avenue Interchange-Phase 2** (Project), SAP WBS No. **S-14009**, Bid No. **K-17-1581-DBB-3**
- B. In accordance with the Construction Contract, the Contractor shall enter into this contract with the City for the purpose of implementing and fulfilling long-term revegetation maintenance and monitoring requirements in accordance with the City of San Diego Municipal Code and the Contract Documents for the specified elopement(s) of **SR94/Euclid Avenue Interchange-Phase 2** (Maintenance Requirements). The performance of the terms of this LTRMC shall commence immediately upon completion and City approval of the Plant Establishment Period performance of the Construction Contract.
- C. The Contractor is ready and willing to fulfill its maintenance requirements in accordance with the terms of this LTRMC.

NOW, THEREFORE, in consideration of the above recitals and the mutual covenants and conditions set forth herein, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby set forth their mutual covenants and understandings as follows:

INTRODUCTORY PROVISIONS

- A. **Recitals Incorporated.** The above referenced Recitals are true and correct and are incorporated into this LTRMC by this reference.
- B. **Exhibits Incorporated.** All Exhibits and Attachments referenced in this LTRMC are incorporated into this LTRMC by this reference.
- C. **Contract Term.** This LTRMC shall be effective upon completion of the Plant Establishment Period as described in **SECTION 801-6** of the Construction Contract, and it shall be effective until completion of the Work, described in Section 1.1 below.
- D. **Terms and Conditions.** This LTRMC is subject to the terms and conditions of the Construction Contract included in The GREENBOOK and The WHITEBOOK i.e., Part 1, Sections 800 through Section 802 and The WHITEBOOK EOCP Section except as follows.

E. Partial Release of Payment Bond and Performance Bond

1. **Performance of Contract in Two Phases.** There are two separate phases of work to be performed by the Contractor under this Contract. The first phase covers the work involved in the original agreement as described in this agreement ("Phase 1 Work"). The second phase covers the work involved in the long-term maintenance of the plants contained within the Revegetation Area after Phase 1 Work has been completed ("Phase 2 Work").
2. **Bond Handling for Contract Phases.** The Payment Bond and the Performance Bond covering Phase 1 Work on this Contract shall remain in full force and effort until completion of that phase is certified. The original Payment Bond and the original Performance Bond covering Phase 1 Work on this Contract shall continue in full force and effort for Phase 2 Work, however the value of each bond may be reduced as follows:
 - i. Completion by the Contractor of all Phase 1 Work shall be evidenced solely by the City Engineer affirming in writing that to the best of their knowledge that all Phase 1 Work has been completed by the Contractor in strict conformity with all City-approved plans and revisions, and that the Phase 1 Work completed by the Contractor meets all applicable standards ("Notice of Completion").
 - ii. Upon issuance by the City Engineer of the Notice of Completion for Phase 1 Work, the Payment guarantee provided under the Payment Bond for this Project, and the Performance guarantee provided under the Performance Bond for this Project, may be partially released, and thereby reduced, to an amount sufficient to cover all Phase 2 Work on this Project, with the remaining value of each bond type to be set and maintained through the date of completion of Phase 2 Work at a value not less than five Percent (5 %) of the Project's highest bond value for each bond type, but under no circumstances to be reduced to less than the actual cost of completion of all Phase 2 Work for this Project, whichever is higher ("Partial Bond Release").
3. **No Partial Release Upon Default.** No Partial Performance Bond Release and Reduction shall be given to the Contractor if the Performance Bond and/or this Agreement is in default.

SECTION 1: MAINTENANCE CONTRACT SUMMARY

- 1.1. General.** The Contractor shall fulfill the Project's Maintenance Requirements (Work) as identified in the scope of work attached as Exhibit A in a manner satisfactory to the City.

The Contractor shall provide all equipment, labor, and materials necessary to perform the **Work** as described in the written in Exhibit A, at the direction of the City.

- 1.2. Work Schedule.** After receiving notification from the City, the Contractor shall create a comprehensive schedule of Work for performance of this LTRMC (Schedule) for the City's approval. The Schedule shall include routine work and inspection and infrequent operations such as repairs, fertilization, aerification, watering, and pruning.

The City will approve the Schedule prior to the commencement of the Work. The City may require the Contractor to revise the Schedule. The Contractor shall not revise the Schedule unless the revisions have received the prior written approval of the City.

- 1.3. Commencement of Work & Maintenance Period.** This LTRMC shall commence when the City approves of the Plant Establishment Period and sends notice of the approval to the Contractor in accordance with **SECTION 801-6** of the Construction Contract and shall continue for **32** months. A copy of the approval form is attached as Exhibit B.

- 1.4. Performance of Work.** The Work shall be performed in accordance with the manufacturer's **recommendations** for each piece of equipment used in performance by the Contractor of this LTRMC.

- 1.5. License.** The Contractor shall hold the following licenses in good standing:

- a) C-27 State Contractor's License. Alternatively, the Contractor shall retain the services of a Subcontractor with a C-27 State Contractor's License.
- b) Pest Control Advisor's License. Alternatively, the Contractor shall retain the services of a licensed Pest Control Advisor.
- c) Registration with the County Agriculture Commission.
- d) Qualified Applicator's Certificate for Category B. This shall apply to any person supervising the use of pesticides, herbicides, or rodenticides.
- e) City of San Diego Business License.

Prior to performing the Work, the Contractor shall complete and submit to the City the License Data Sheet. See Exhibit C.

- 1.6. Hours of Performance.** The Contractor shall perform the Work between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday (Working Hours). The City may, in its sole discretion, grant permission to Contractor to perform Work during non-Working Hours. Maintenance functions that generate excess noise, e.g., operations of power equipment which would cause annoyance to area residents, shall not begin before 8:30 a.m.

SECTION 2: ADMINISTRATION

- 2.1 Contract Administrator.** The City of San Diego Public Works Department-Engineering Branch – Construction Management and Field Services Division is the Contract Administrator for the LTRMC. The Contractor shall perform the Work under the direction of a designated representative of the Public Works Department. The City will communicate with the Contractor on all matters related to the administration of this LTRMC and the Contractor's performance of the Work rendered hereunder. When this LTRMC refers to communications to or with City, those communications shall be with the City, unless the City or this LTRMC specifies otherwise. Further, when this LTRMC requires an act or approval by City, that act or approval will be performed by the City.
- 2.2 Local Office.** The Contractor shall maintain a local office with a competent company representative who can be reached during Normal Working Hours and who is authorized to discuss matters pertaining to this LTRMC with the City. A local office is one located in San Diego County that can be reached by telephone and facsimile. An answering service in conjunction with a company email address for the designated company representative would fulfill this requirement. A mobile telephone shall not fulfill the requirement for a local office. All calls to the Contractor from the City shall be returned within a 1-hour period.
- 2.3 Emergency Calls.** The Contractor shall have the capability to receive and to respond immediately to calls of an emergency nature. The City shall refer emergency calls to Contractor for immediate disposition. The Contractor shall provide City with a 24 hour emergency telephone number for this purpose.
- 2.4 Staffing.** The Contractor shall furnish sufficient supervisory and working personnel capable of promptly accomplishing on schedule, and to the satisfaction of City, all Work required under this LTRMC.
- 2.5 Contractor Inspections.** The Contractor shall perform inspections of the Work site and prepare and submit to the City a Punchlist and dates of correction. The Punchlist shall include a comprehensive report of Work performed at the Work site to ensure 100% cover.

PART 3: WORK SITE MAINTENANCE

- 3.1 Use of Chemicals.** The Contractor shall submit to City for approval sample labels and MSDS for all chemical herbicides, rodenticides and pesticides proposed for use under this LTRMC. Materials included shall be limited to chemicals approved by the State of California Department of Agriculture.

The use of any chemical shall be based on the recommendations of a licensed pest control advisor. Annual PCA Pesticide Recommendations are required for each pesticide proposed to be used for the Work site covered by this LTRMC. The use of chemicals shall conform to the current San Diego County Department of Agriculture regulations.

No chemical herbicide, rodenticide, or pesticide shall be applied until its use is approved, in writing, by City as appropriate for the purpose and area proposed.

The Contractor shall submit a monthly pesticide use report to City along with Contractor's invoices for payment. This report shall include a statement of all applications of herbicides, rodenticides, and pesticides, detailing the chemical used, undiluted quantity, rate of application, applicator's name, and the date and purpose of the application. For months in which no pesticides are applied, state "No Pesticide Used" on the report.

- 3.2 Irrigation Water.** The Contractor shall diligently practice water conservation, including minimizing run-off or other waste. The Contractor shall turn off irrigation systems, if any, during periods of rainfall and at such other times when suspension of irrigation is desirable to conserve water and to remain within the guidelines of good horticultural landscape maintenance practices in accordance with instructions from the Project Biologist. The Contractor's failure to properly manage and conserve water may result in deductions from the monthly payment to be made to the Contractor under this LTRMC, or other penalties.

If Contractor causes excessive use or waste of irrigation water, the estimated cost of that water shall be deducted from the monthly payment. Further, any monetary fines or other damages assessed to City for Contractor's failure to follow water conservation regulations imposed by the City, the Public Utilities Department of the City of San Diego, and where appropriate the State of California, the County Water Authority, or other legal entity shall be solely the responsibility of the Contractor, and may be deducted from the monthly payment to be made to the Contractor under this LTRMC.

- 3.3 Payment for Water.** The Contractor shall pay for the water used in the maintenance of the Work site and this cost is included in the price of this LTRMC.
- 3.4 Satisfactory Progression.** If the Revegetation Area is not progressing towards the required 100% Cover, as defined in the Scope of Work, in accordance with the Work Schedule, as determined by City, City may adjust monthly payments to Contractor accordingly.

SECTION 4: COMPENSATION

- 4.1 Maximum Compensation.** The compensation for this LTRMC shall not exceed **\$6,000.00 FOR THIS LONG-TERM REVEGETATION MAINTENANCE CONTRACT – TO BE ESTABLISHED DURING THE AWARD PROCESS. SEE 2015 WHITEBOOK, SECTION 802.** (Contract Price).
- 4.2 Wage Rates.** Refer to the Construction Contract for Prevailing wages requirements for this LTRMC.
- 4.3 Method of Payment and Reports.** The payments will be made monthly in direct proportion that each month bears to the total value of the Contract Price. As conditions precedent to payment, the Contractor shall submit every month a detailed invoice and report of maintenance work performed. The Contractor's failure to submit the required reports or certified payrolls as described in the Construction Contract shall constitute a basis for withholding of payment by the City.

4.4 Final Payment. The Contractor shall not receive the final payment until the following conditions have been completed to the City's satisfaction:

The item(s) of the work subject to this maintenance coverage as specified in Exhibit A (Maintenance Items) have been determined to be in compliance with the Construction Contract and this LTRMC.

The Contractor has provided to the City a signed and notarized Affidavit of Disposal, a copy of which is attached to the Construction Contract, stating that all brush, trash, debris, and surplus materials resulting from the Work have been disposed of in a legal manner.

The Contractor has performed comprehensive and successful testing and checks of the Maintenance Items.

SECTION 5: BONDS AND INSURANCE

5.1 Contract Bonds. Prior to commencement of the Work, Contractor, at its sole cost and expense, shall provide to City the following bonds issued by a surety authorized to issue bonds in California and otherwise satisfactory to City:

A Payment Bond (Material and Labor Bond) in an amount not less than the Contract Price, to satisfy claims of material suppliers and mechanics and laborers employed by it on the Work. The Payment Bond shall be maintained by the Contractor in full force and effect until the Work is accepted by City and until all claims for materials and labor are paid, and shall otherwise comply with the California Civil Code.

A Performance Bond in an amount not less than the Contract Price to guarantee faithful performance of all Work, within the time prescribed, in a manner satisfactory to the City, and that all materials and workmanship will be free from original or developed defects. The Performance Bond shall remain in full force and effect until performance of the Work is completed as set forth in this LTRMC.

5.2 Insurance. At all times during the term of this LTRMC, the Contractor shall maintain insurance coverage as specified in the Construction Contract, Section 7-3, "LIABILITY INSURANCE."

The Contractor shall not begin the Work under this LTRMC until it has complied with the following:

- a) Obtain insurance certificates reflecting evidence of insurance as specified in the Construction Contract, Section 7-3, "LIABILITY INSURANCE" for:
 1. Commercial General Liability
 2. Commercial Automobile Liability
 3. Worker's Compensation

- b) Confirm that all policies contain the specific provisions required in Section 7-3, "LIABILITY INSURANCE."

The Contractor shall submit copies of any policy upon request by the City.

The Contractor shall not modify any policy or endorsement thereto which increases the City's exposure to loss for the duration of this LTRMC.

SECTION 6: MISCELLANEOUS

- 6.1** Illness and Injury Prevention Program. The Contractor shall comply with all the mandates of Senate Bill 198 and specifically shall have a written Injury Prevention Program on file with the City in accordance with all applicable standards, orders, or requirements of California Labor Code, Section 6401.7. This Program shall be on file prior to performance of any Work.
- 6.2** City Standard Provisions. This LTRMC is subject to the following standard provisions:
1. WHITEBOOK, Section 7-13.3, Drug-Free Workplace (As adopted pursuant to City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace).
 2. WHITEBOOK, Section 7-13.2, Americans with Disabilities (As adopted pursuant to City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
 3. WHITEBOOK, Section 7-13.4, Contractor Standards and Pledge of Compliance (As adopted pursuant to City of San Diego Municipal Code §22.3224 as amended 11/24/08 by ordinance O-19808 for Pledge of Compliance).
 4. WHITEBOOK, Section 7-13.7, Notice of Labor Compliance Program Approval (As adopted pursuant to the City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776 (Stats. 1978, Ch. 1249)).
 5. WHITEBOOK, Section, 7-13.8, Apprentices on Public Works (As adopted pursuant to Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
 6. WHITEBOOK, Section 7-13.5, Equal Benefits (As adopted pursuant to the City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code.
 7. WHITEBOOK, Section 2-17, Information Security Policy (As adopted pursuant to the City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 6.3 Taxpayer Identification Number.** I.R.S. regulations require the City to have the correct name, address, and Taxpayer Identification Number (TIN) or Social Security Number (SSN) on file for businesses or persons who provide services or products to the City. This information

is necessary to complete Form 1099 at the end of each tax year. As such, the Contractor shall provide the City with a Form W-9 upon execution of this LTRMC.

- 6.4 Assignment.** The Contractor shall not assign the obligations under this LTRMC, whether by express assignment or by sale of the company, nor any monies due or to become due, without City's prior written approval. Any assignment in violation of this Section shall constitute a Default and is grounds for immediate termination of this LTRMC, at the sole discretion of City. In no event shall any putative assignment create a contractual relationship between City and any putative assignee.
- 6.5 Independent Contractors.** The Contractor and any Subcontractors employed by Contractor shall be independent contractors and not agents of City. Any provisions of this LTRMC that may appear to give City any right to direct Contractor concerning the details of performing the Work, or to exercise any control over such performance, shall mean only that Contractor shall follow the direction of City concerning the end results of the performance.
- 6.6 Covenants and Conditions.** All provisions of this LTRMC expressed as either covenants or conditions on the part of the City or the Contractor shall be deemed to be both covenants and conditions.
- 6.7 Jurisdiction, Venue, and Attorney's Fees.** The jurisdiction and venue for any suit or proceeding arising out of or concerning this LTRMC, the interpretation or application of any of its terms, or any related disputes shall be the County of San Diego, State of California.
- 6.8 Successors in Interest.** This LTRMC and all rights and obligations created by this LTRMC shall be in force and effect whether or not any Parties to this LTRMC have been succeeded by another entity, and all rights and obligations created by this LTRMC shall be vested and binding on any Party's successor in interest.
- 6.9 Integration.** This LTRMC and the exhibits, attachments, and references incorporated into this LTRMC fully express all understandings of the Parties concerning the matters covered in this LTRMC. No change, alteration, or modification of the terms or conditions of this LTRMC, and no verbal understanding of the Parties, their officers, agents, or employees shall be valid unless made in the form of a written change agreed to in writing by both Parties or an amendment to this LTRMC agreed to by both Parties. All prior negotiations and agreements are merged into this LTRMC.
- 6.10 Counterparts.** This LTRMC may be executed in counterparts, which when taken together shall constitute a single signed original as though all Parties had executed the same page.
- 6.11 No Waiver.** No failure of either the City or the Contractor to insist upon the strict performance by the other of any covenant, term or condition of this LTRMC, nor any failure to exercise any right or remedy consequent upon a breach of any covenant, term, or condition of this LTRMC, shall constitute a waiver of any such breach or of such covenant, term or condition. No waiver of any breach shall affect or alter this LTRMC, and each and every covenant, condition, and term hereof shall continue in full force and effect to any existing or subsequent breach.

6.12 Severability. The unenforceability, invalidity, or illegality of any provision of this LTRMC shall not render any other provision of this LTRMC unenforceable, invalid, or illegal.

6.13 Signing Authority. The representative for each Party signing on behalf of a corporation, partnership, joint venture or governmental entity hereby declares that authority has been obtained to sign on behalf of the corporation, partnership, joint venture, or entity and agrees to hold the other Party or Parties hereto harmless if it is later determined that such authority does not exist.

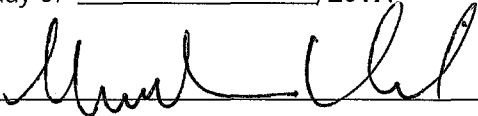
IN WITNESS WHEREOF, this Contract is executed by the City of San Diego, acting by and through its Public Works Department Director and by Contractor.

Dated this _____ day of _____, **2017**.

THE CITY OF SAN DIEGO

By: _____
Stephen Samara
Principal Contract Specialist
Public Works Department

I HEREBY CERTIFY I can legally bind _____ (**Contractor**) and that I have read this entire contract, this _____ day of _____, **2017**.

By:  _____

Printed Name: S HAHRAM ELIHU

Title: OWNER

I HEREBY APPROVE the form of the foregoing Contract this _____ day _____ of **2017**.

Mara W. Elliott, City Attorney
By: _____
Printed Name: _____
Deputy City Attorney

EXHIBIT A

SCOPE OF WORK

- I. **Location of Work.** The location of the Work to be performed (Revegetation Area) is shown on those Drawings numbered **39565-61-D** through **39565-76-D** and all Specifications applicable to the construction of the Project, which are incorporated into this contract by this reference as though fully set forth herein.

- II. **Description of Work.** The Contractor shall maintain and monitor the Revegetation Area during the Monitoring Program in accordance with this contract and the Specifications such that the Revegetation Area meets the success criteria specified in the Revegetation Plan at each of the milestones listed and on the last date of the Monitoring Program as set forth in the Work Schedule. The Work includes complete landscape maintenance consisting of irrigation, pruning, shaping and training of trees, shrubs, and ground cover plants; fertilization; weed control; control of all plant diseases and pests; and trash removal, and all other maintenance listed in this contract and as required to maintain the Revegetation Area in a useable condition and to maintain the plant material in a healthy and viable state.

The work also includes biological monitoring of the Revegetation Area according to the schedule and methods specified in the Revegetation Plan. The monitoring work shall include all reporting tasks specified in the Revegetation plan.

- III. **Method of Performing Work.**

- A. **Irrigation.** Irrigation shall be applied to container and salvaged plants in accordance with instructions from the Project Biologist. Irrigation delivery techniques and schedules will vary depending on the availability of a sprinkler irrigation system and weather patterns. Failure of an existing irrigation system to provide full and proper irrigation shall not relieve Contractor of the responsibility to provide adequate irrigation with full and proper coverage of all areas subject to this LTRMC.

1. In areas where an automatic sprinkler system is installed, Contractor shall periodically inspect the operation of the system for any malfunction. The maximum interval between inspections shall not exceed 7 days. The Contractor shall maintain all sprinkler systems in such a way as to guarantee proper coverage and full working capability, and shall make whatever adjustments may be necessary to prevent excessive run-off into streets, rights-of-way, or other areas not meant to be irrigated. The cost of wasted water may be charged to Contractor.

2. All areas not adequately covered by a sprinkler system shall be irrigated by a portable irrigation method in accordance with instructions from the Project Biologist. The Contractor shall furnish all hoses, nozzles, sprinklers, etc. necessary to accomplish this supplementary irrigation. The Contractor shall exercise due diligence to prevent water waste, erosion, and detrimental seepage into existing underground improvements and to existing structures.
3. Irrigation shall be accomplished as follows:
 - a) Turf (if any) shall be irrigated Monday through Friday, as required, to maintain acceptable growth, viability and health, and to encourage deep rooting, in accordance with instructions from the Project Biologist. Additional irrigation shall be performed in the event of unusually hot/dry weather conditions (as are present during Santa Ana conditions, or other times of low humidity or high winds, or during a prolonged high temperature period during summer months).
 - b) Landscaped improved banks and slopes (if any) shall be irrigated Monday through Friday as required to maintain acceptable growth, viability and health, and to encourage deep rooting, in accordance with instructions from the Project Biologist.
 - c) Shrub beds (if any) shall be irrigated as required to maintain acceptable growth, viability and health, and to encourage deep rooting, in accordance with instructions from the Project Biologist. Shrub areas shall be irrigated at a rate which keeps surface runoff to a minimum. The irrigation rate shall be adjusted to the needs of shrub types, seasons and weather conditions.
 - d) Planted and seeded areas shall be irrigated as required to maintain acceptable growth, viability and health, and to encourage deep rooting, in accordance with instructions from the Project Biologist. Planted and seeded areas shall be irrigated at a rate which keeps surface runoff to a minimum. The irrigation rate shall be adjusted to the needs of plant types, seasons and weather conditions.
4. Maintenance of Irrigation System. The Contractor shall keep controller and valve boxes (if any) clear of soil and debris and shall maintain the irrigation system at no additional cost to City, including replacement, repair, adjustment, raising or lowering, straightening and any other operation required for the continued proper operation of the system from the "cold" side of the water meter throughout the Revegetation Area. The Contractor shall also be responsible for maintaining the painted surfaces of irrigation and lighting controller cabinets as well as the corresponding automatic irrigation battery numbers on the lids of the automatic control valve boxes (if any). The Contractor shall be responsible for light bulb replacements in controller cabinets as necessary.
 - a) Repair or replacement includes: sprinkler system laterals (piping), sprinkler mains (pressure lines), vacuum breakers, sprinkler control valves, sprinkler controllers, sprinkler heads, sprinkler caps, sprinkler head risers, valve covers, boxes and lids (including electrical pull boxes and lids), valve sleeves

and lids, quick coupler valves and hose bibs. Any replacement shall conform to the type and kind of existing system. Any deviation shall be approved in writing by City.

- b) Contractor shall repair irrigation systems which are damaged or altered in any way, including by acts of God, vandalism, vehicular damage, or theft.

5. Operation of Automatic Irrigation Controllers. Where the operation of automatic irrigation controllers is required as part of this LTRMC, Contractor shall:

- a) Not duplicate any coded City key furnished by City for access and operation of the controller;
- b) Surrender all keys furnished by City, promptly at the end of the term of this LTRMC, or at any time deemed necessary by City to prevent serious loss to City;
- c) protect the security of City's property by keeping controller cabinet and building doors locked at all times; and
- d) refrain from using premises behind locked doors for storage of materials, supplies, or tools except as approved by City.

B. Pruning Shrubs and Ground Cover Plants. The Contractor shall prune all shrubs and ground cover plants growing in the Revegetation Area as required to:

- 1) Maintain plant growth viability and health, and to encourage deep rooting, in accordance with instructions from the Project Biologist.
- 2) Prevent encroachment of passage ways, walks, streets, or view of signs; and
- 3) Prevent encroachment in any manner deemed objectionable by City.

The Contractor shall remove dead or damaged limbs with sharp pruning tools, with no stubs remaining. The Contractor shall seal any pruning cut which exceeds 2" in diameter with an approved pruning paint when required by City. The Contractor shall perform pruning to permit plants to grow naturally in accordance with their normal growth characteristics except where box hedging is required by City. The Contractor shall not shear, hedge, or severely prune plants, unless authorized by City. The Contractor shall not use growth regulators.

C. Tree Maintenance. Contractor shall maintain all trees and container plants in the revegetation area in accordance with instructions from the Project Biologist. The Contractor shall perform pruning to promote the best growth habits, appearance, and health of all trees and container plants, and to prevent encroachment which is in any manner deemed undesirable by City, in accordance with instructions from the Project Biologist. The Contractor is responsible for tree pruning that can be accomplished with a 12' pole saw by a worker standing on the ground. The Contractor shall not top trees.

- 1) Potential Hazards. The Contractor shall notify City within 24 hours of any tree that shows signs of root heaving or leaning, or is in any manner a potential safety hazard. The Contractor shall immediately reestablish trees and shrubs that are uprooted due to storms, if possible. If trees or shrubs cannot be reestablished, Contractor shall remove them immediately (including roots) and fill the holes until replacement planting is complete.
 - 2) Replacement. The Contractor shall completely remove and replace trees lost due to Contractor's faulty maintenance or negligence, as determined by City. The Contractor shall replace trees in kind and size as determined by City. If there is a difference in value between the tree lost and the replacement tree, City will deduct the difference from payment to be made under this LTRMC. The City shall determine the value of the tree lost using the latest International Society of Arboriculture (I.S.A.) guidelines for value determination.
 - 3) Staking. The Contractor shall securely stake any newly planted trees and other trees needing support with 2 "lodge pole" type stakes placed on opposite sides of the tree outside the root ball and secured to the tree with at least two flexible rubber tree ties. The Contractor shall regularly inspect tree ties and stakes and reposition them as necessary to ensure against girdling and abrasion.
- D. Fertilization. Contractor shall fertilize the Revegetation Area as necessary in accordance with instructions from the Project Biologist to meet the success criteria specified in the Revegetation Plan at each of the milestones listed and on the last date of the Monitoring Program as set forth in the Work Schedule Prior to any fertilization, Contractor shall submit to City Material Safety Data Sheets and a schedule of application showing the site, date, and approximate time of fertilizer application (Fertilizer Schedule). The Fertilization Schedule, regardless of its intensity, timing, or the number of sites covered daily or weekly, shall not excuse Contractor from performing any other Work regularly required under this LTRMC. All fertilization shall first be approved by the Project Biologist.
- 1) Contractor shall notify City at least 48 hours before beginning any fertilization. Fertilizer shall be delivered to the site only in the original unopened containers bearing the manufacturer's guaranteed analysis. Damaged packages shall not be accepted. The Contractor shall furnish City with duplicate signed, legible copies of all certificates and invoices for all fertilizer to be used for this LTRMC. The invoices shall state the grade, amount and quantity received. Both the copy to be retained by City and Contractor's copy shall be signed by City, on site, before any fertilizer may be used.
 - 2) Fertilizers, if necessary, shall be applied at the direction of the Project Biologist and according to manufacturer's product specifications.
 - 3) If deemed necessary by City to achieve required results, Contractor shall apply other materials as directed by City, including:
 - a) iron chelate;

- b) soil sulfur;
 - c) gypsum; or
 - d) surfactant enzymes such as Sarvon or Naiad.
- 4) Contractor shall adequately irrigate the fertilized area(s) immediately following the application of fertilizers and/or amendments to force fertilizer material to rest directly on the soil surface. Drip irrigated areas shall be adequately hand watered using quick coupler valves and hoses to dissolve fertilizer.
- E. Weed Removal. Contractor shall completely remove weeds from the Revegetation Area, including all turf grass areas, shrub and ground cover areas, planters, tree wells, and cracks in paved areas, including sidewalks, parking lot, gutters and curbs, as shown on the Work Schedule. For the purposes of this Section, "Weed" means any undesirable or misplaced plant. The Contractor shall control Weeds by manual, mechanical, or chemical methods. The City or Project Biologist may restrict the use of chemical weed control in certain areas.
- F. Disease and Pest Control. The Contractor shall regularly inspect the Revegetation Area for the presence of disease and insect or rodent infestation. The Contractor shall notify City within 4 days if disease or insect or rodent infestation is discovered. In its notice to City, Contractor shall identify the disease, insect, or rodent and specify the control measures to be taken. Upon approval of City, Contractor shall implement the approved control measures, exercising extreme caution in the application of all sprays, dusts, or other materials utilized. The Contractor shall continue the approved control measures until the disease, insect, or rodent is controlled to the satisfaction of City.
- 1) All individuals who supervise the mixing and application of herbicides, pesticides, and rodenticides on behalf of Contractor shall possess valid Qualified Applicators Certificate for Category B issued to them by the State Department of Food and Agriculture.
 - 2) Contractor shall utilize all safeguards necessary during disease, insect or rodent control operations to ensure safety of the public and the employees of Contractor, in accordance with current standard practices accepted by the State of California Department of Food and Agriculture. If Contractor is unable to control the pest or disease, a pest control company will be hired and the cost shall be deducted from Contractor's monthly payment.
- G. Plant Replacement. Except as provided in Section H below, Contractor shall notify City within 4 days of the loss of plant material due to any cause.
- 1) Contractor shall, at no cost to City, replace any tree, shrub, ground cover, or other plant which is damaged or lost as a result of Contractor's faulty maintenance or negligence. The size and species of replacement plant materials shall be as directed by City.
 - 2) If so directed by City, Contractor shall replace any plant damaged or lost that is not a result of Contractor's faulty maintenance or negligence. The size and species of

replacement plant materials shall be as directed by City. The City will pay for materials and labor.

- 3) City may determine that certain plants should be replaced in order to ensure maximum ecological health and overall aesthetic appearance of planting in the Revegetation Area. When City determines such replacement should occur, Contractor shall replace the plants as directed by City. City will pay for materials and labor.
- H. **Damage Reports.** The Contractor shall notify City within 24 hours of any damage to the Work Area caused by accident, vandalism or theft.
- I. **Litter.** The Contractor shall promptly dispose of all trash and debris at an appropriate City disposal site. The Contractor shall pay any and all fees associated with the disposal of debris or trash accumulated under the terms of this LTRMC. The Contractor understands that disposal of refuse at City landfills is subject to a fee and that the Refuse Disposal Division can be contacted at (619) 573-1418 for fee information.
- 1) **Contractor Generated Litter.** The Contractor shall promptly remove all debris generated by Contractor's pruning, trimming, weeding, edging and other Work required by this LTRMC. Immediately after working in streets, park walks, gutters, driveways, and paved areas, Contractor shall clean them in accordance with all applicable laws.
 - 2) **Third Party Generated Litter.** Upon discovery Contractor shall remove all litter, including bottles, glass, cans, paper, cardboard, fecal matter, leaves, branches, metallic items, and other debris, from the Work site.
- J. **Monitoring:** The Project Biologist will oversee all maintenance operations and conduct qualitative and quantitative biological monitoring of the revegetation area according to the schedule and methods described in the Revegetation Plan. The Project Biologist will be responsible for preparing and submitting monitoring reports according to the schedule and instructions in the Revegetation Plan. The Project Biologist will be an individual or team of individuals with 4-year degree(s) in botany, ecology, landscape architecture or a related field, and demonstrated experience in upland and riparian community restoration.

EXHIBIT B

INSERT A COPY OF THE ENGINEER'S FIELD NOTIFICATION WHICH ESTABLISHES THE COMMENCEMENT DATE OF THE MONITORING PROGRAM, SEE the WHITEBOOK, SECTION 802

EXHIBIT C
LICENSE DATA SHEET

State Contractor License Classification and Number: _____

Name of License Holder: _____

Expiration Date: _____

Pest Control Applicator's Name: _____

License Number: _____

Expiration Date: _____

Pest Control Advisor's Name: _____

License Number: _____

Expiration Date: _____

City of San Diego Business License Number: _____

Expiration Date: _____

ATTACHMENT F
INTENTIONALLY LEFT BLANK

ATTACHMENT G
CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, hereinafter called "City", and Blue Pacific Engineering & Construction, herein called "Contractor" for construction of **SR94/Euclid Avenue Interchange-Phase 2**; Bid No. **K-17-1581-DBB-3**; in the amount of **Three Million Seven Hundred Thirty Nine Thousand Nine Hundred Ninety Three Dollars and Zero Cents (\$3,739,993.00)**, which is comprised of the Base Bid.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Long Term Revegetation Maintenance Contract.
 - (e) That certain documents entitled **SR94/Euclid Avenue Interchange-Phase 2**, on file in the office of the Public Works Department as Document No. **S-14009**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **SR94/Euclid Avenue Interchange-Phase 2**, Bid Number **K-17-1581-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT AGREEMENT (continued)

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to Mncipal Code §22.3102 authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

By Stephen Samara

Mara W. Elliott, City Attorney
By Ryan P. Gerrity

Print Name: Stephen Samara
Principal Contract Specialist
Public Works Department

Print Name: RYAN P GERRITY
Deputy City Attorney

Date: 1-25-2018

Date: 2/1/18

CONTRACTOR

By Shahzam Elihu

Print Name: SHAHZAM ELIHU

Title: OWNER

Date: 8/18/17

City of San Diego License No.: B2010019612

State Contractor's License No.: 82455

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000003217

CERTIFICATIONS AND FORMS

The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certifications, forms and affidavits submitted as part of this bid are true and correct.

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

**NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID UNDER 23
UNITED STATES CODE 112 AND PUBLIC CONTRACT CODE 7106**

State of California

County of San Diego

The bidder, being first duly sworn, deposes and says that he or she is authorized by the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

This company_has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that:

This company has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

CONTRACTOR CERTIFICATION

Equal Benefits Ordinance Certification

I declare under penalty of perjury that I am familiar with the requirements of and in compliance with the City of San Diego Municipal Code § 22.4300 regarding Equal Benefits Ordinance.

AFFIDAVIT OF DISPOSAL

(To be submitted upon completion of Construction pursuant to the contracts Certificate of Completion)

WHEREAS, on the _____ DAY OF _____, 2_____ the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

SR94/Euclid Avenue Interchange-Phase 2

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-17-1581-DBB-3**; SAP No. (WBS/IO/CC) **S-14009**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

By: _____
Contractor

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2_____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

COMPANY LETTERHEAD
CERTIFICATE OF COMPLIANCE

Materials and Workmanship Compliance

For Contract or Task _____

I certify that the material listed below complies with the materials and workmanship requirements of the Caltrans Contract Plans, Special Provisions, Standard Specifications, and Standard Plans for the contract listed above.

I also certify that I am an official representative for _____, the manufacturer of the material listed above. Furthermore, I certify that where California test methods, physical or chemical test requirements are part of the specifications, that the manufacturer has performed the necessary quality control to substantiate this certification.

Material Description:

Manufacturer: _____
Model: _____
Serial Number (if applicable): _____
Quantity to be supplied: _____
Remarks: _____

Signed by: _____

Printed Name: _____

Title: _____

Company: _____

Date: _____

City of San Diego
Public Works Department, Field Division

NOTICE OF MATERIALS TO BE USED

To: _____ Date: _____, 20__

Resident Engineer

You are hereby notified that the materials required for use under Contract No. _____
 for construction of _____

in the City of San Diego, will be obtained from sources herein designated.

CONTRACT ITEM NO. (Bid Item)	KIND OF MATERIAL (Category)	NAME AND ADDRESS WHERE MATERIAL CAN BE INSPECTED (At Source)

It is requested that you arrange for a sampling, testing, and inspection of the materials prior to delivery, in accordance with Section 4-1.11 of the WHITEBOOK, where it is practicable, and in accordance with your policy. It is understood that source inspection does not relieve the Contractor of full responsibility for incorporating in the work, materials that comply in all respects with the contract plans and specifications, nor does it preclude subsequent rejection of materials found to be undesirable or unsuitable.

Distribution:

Supplier

 Signature of Supplier

 Address

LIST OF SUBCONTRACTORS

***** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS, FOR FURTHER INFORMATION**

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the California Public Contract Code (PCC), the Bidder is to list below the name, address and license number of each Subcontractor who will perform work, labor, render services or specially fabricate and install a portion [type] of the work or improvement, in an amount of or in excess of 0.5% of the Contractor's total Bid. Failure to comply with this requirement may result in the Bid being rejected as non-responsive. The Contractor is to list only one Subcontractor for each portion of the Work. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percentage of the Work to be performed with the Bidder's own forces. The Bidder is to also list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which the Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB [ⓐ]	WHERE CERTIFIED [ⓑ]	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

ⓐ As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

ⓑ As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC		
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

*** PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY *** TO BE SUBMITTED IN ELECTRONIC FORMAT ONLY *** SEE INSTRUCTIONS TO BIDDERS FOR FURTHER INFORMATION

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

- ① As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | | |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification.

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

The following forms are to be completed by the bidder and submitted (uploaded) electronically with the bid in PlanetBids.

- A. BID BOND - See Instructions to Bidders, Bidders Guarantee of Good Faith (Bid Security) for further instructions**

- B. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS**

Bids will not be accepted until ALL forms are submitted as part of the bid submittal

BID BOND

**See Instructions to Bidders, Bidder Guarantee of Good Faith
(Bid Security)**

KNOW ALL MEN BY THESE PRESENTS,

That BLUE PACIFIC ENGINEERING & CONSTRUCTION as Principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY as Surety, are

held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of **10% OF THE TOTAL BID AMOUNT** for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

SR94/EUCLID AVENUE INTERCHANGE-PHASE 2 K-17-1581-DBB-3

NOW THEREFORE, if said Principal is awarded a contract by said OWNER and, within the time and in the manner required in the "Notice Inviting Bids" enters into a written Agreement on the form of agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond and Payment Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said OWNER and OWNER prevails, said Surety shall pay all costs incurred by said OWNER in such suit, including a reasonable attorney's fee to be fixed by the court.

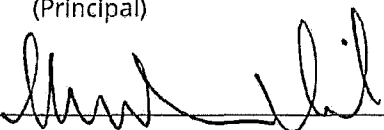
SIGNED AND SEALED, this _____ 14TH day of _____ JUNE, 20 17

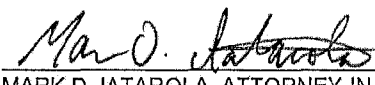
BLUE PACIFIC
ENGINEERING & CONSTRUCTION (SEAL)

NORTH AMERICAN
SPECIALTY INSURANCE COMPANY (SEAL)

(Principal)

(Surety)

By: 

By: 

(Signature)

MARK D. IATAROLA, ATTORNEY-IN-FACT
(Signature)

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

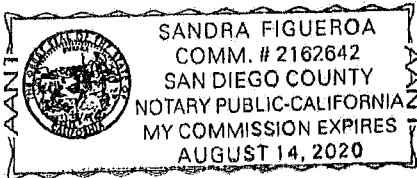
State of California)
County of SAN DIEGO)

On 6/14/2017 before me, SANDRA FIGUEROA, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

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

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

WITNESS my hand and official seal.



Signature Sandra Figueroa
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: MARK D. IATAROLA

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

Signer Is Representing: _____

Signer's Name: _____

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

Signer Is Representing: _____

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature]
Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company



By [Signature]
Michael A. Ito, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 17th day of September, 2015.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook ss:

On this 17th day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature]
M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 14th day of JUNE, 2017.

[Signature]
Jeffrey Goldberg, Vice President & Assistant Secretary of
Washington International Insurance Company & North American Specialty Insurance Company

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

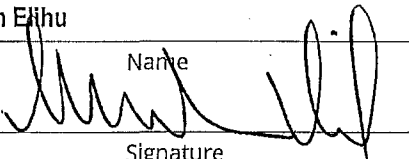
CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: Blue Pacific Engineering & Construction

Certified By Shahram Ejiu Title Sole Proprietor

 Name Signature Date 07/07/17

USE ADDITIONAL FORMS AS NECESSARY

City of San Diego

CITY CONTACT: Rosa I. Riego, Contract Specialist, Email: Rriego@sandiego.gov
Phone No. (619) 533-3426, Fax No. (619) 533-3633

ADDENDUM "B"



FOR

SR94/EUCLID AVENUE INTERCHANGE-PHASE 2

BID NO.:	<u>K-17-1581-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-14009</u>
CLIENT DEPARTMENT:	<u>2116</u>
COUNCIL DISTRICT:	<u>4</u>
PROJECT TYPE:	<u>ID</u>

BID DUE DATE:

2:00 PM

JULY 7, 2017

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

1010 SECOND AVENUE, 14th FLOOR, MS 614C

SAN DIEGO, CA 92101

ENGINEER OF WORK

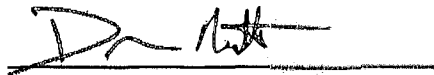
The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:


1) Registered Engineer

6/26/2017
Date

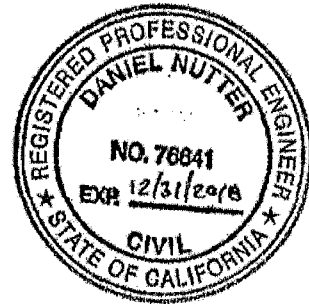
Seal:




2) For City Engineer

6/27/2017
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

B. BIDDER'S QUESTIONS

Q1. We attempted to import plans into our electronic system, and it appears the 11 x 17 PDF plans provided to download do not import at the correct scale. Please provide plans that are at the correct importable scale, and if possible, make available full size plans that are at the correct scale. The current documents provided will not enable us to perform correct quantity takeoffs.

A1. Plans were uploaded to the following link:
<https://filecloud.sandiego.gov/url/s14009>

Q2. Our company has reviewed the documents for this bid and understands per the solicitation booklet, the City of San Diego Field Survey Division will be providing the construction staking. The plans indicate that the Contractor would be responsible for monumentation and/or benchmarking that would be disturbed or destroyed. Please confirm that the Contractors will need to hire a land surveyor or Civil Engineer licensed in land surveying to provide monument perpetuation on this project?

A2. Confirm, please refer to the requirements of a Land Surveyor and Civil Engineer in Note 2 of the Title Sheet.

C. PLANS

1. To the drawing number 39565-01-D, **DELETE** in its entirety and **REPLACE** with page 5 of this addendum.
2. To the drawings numbers 39565-77-D, through 39565-80-D, **DELETE** in their entirety and **REPLACE** with pages 5 through 9 of this addendum

James Nagelvoort, Director
Public Works Department

Dated: *June 28, 2017*
San Diego, California

JN/JB/Lad

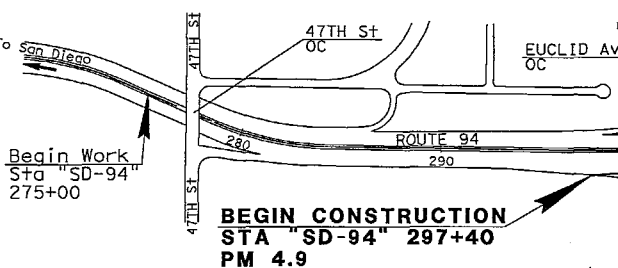
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-7	TYPICAL CROSS SECTIONS
8-9	LAYOUTS
10-16	PROFILES AND SUPERELEVATION DIAGRAMS
17-29	CONSTRUCTION DETAILS
30-35	TEMPORARY WATER POLLUTION CONTROL PLANS
36-37	CONTOUR GRADING PLANS
38-46	DRAINAGE PLANS, PROFILES, AND DETAILS
47-48	UTILITY PLANS
49-53	PAVEMENT DELINEATION PLANS, DETAILS AND QUANTITIES
54-60	SIGN PLANS, DETAILS AND QUANTITIES
61-76	LANDSCAPE PLANS
77-81	ELECTRICAL PLANS
82-83	REVISED CALTRANS PAVEMENT DELINEATION DETAILS
TC1-TC2	CONSTRUCTION AREA SIGNS
TC3-TC18	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLANS AND QUANTITIES
TC19-TC51	TRAFFIC HANDLING PLANS AND QUANTITIES

BENCHMARKS:
 THE BENCH MARK FOR THIS SURVEY IS THE FOUND BRASS DISK IN THE NORTH EAST CORNER OF AN SD&E UTILITY VAULT IN THE RAISED ISLAND SEPARATING THE EUCLID AVENUE ON AND OFF RAMP WITH EAST-BOUND 94. STATION "94-5.1" PER CALTRANS DISTRICT 11 CONTROL MONUMENT DATA SHEET DATED JUNE 26, 2012.
 BM "94-5.1" ELEVATION 195.72 FEET, NAVD 88 DATUM.

BASIS OF BEARINGS:
 THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM CCS83 ZONE 6, 1991.35 EPOCH, AND IS DETERMINED BY RTK G.P.S. MEASUREMENTS TAKEN ON MAY 13, 2015 AT STATION "94-5.1" PER CALTRANS DISTRICT 11 CONTROL MONUMENT DATA SHEET DATED JUNE 26, 2012 AND AT STATION "94-4.85" PER CALTRANS DISTRICT 11 CONTROL MONUMENT DATA SHEET DATED AUGUST 16, 2010.

GRID BEARING:
 STATION "94-5.1" TO STATION "94-4.85" : N 77°31'33"E.

STATION 94-5.1 N: 1841736.88 E: 6304899.48 ELEVATION: 195.72 CGF: 1.0000078 CONVERGENCE: -00°27'31.5"	STATION 94-4.85 N: 1842102.89 E: 6303244.99 ELEVATION: 209.97 CGF: 1.0000069 CONVERGENCE: -00°27'42.1"
--	---



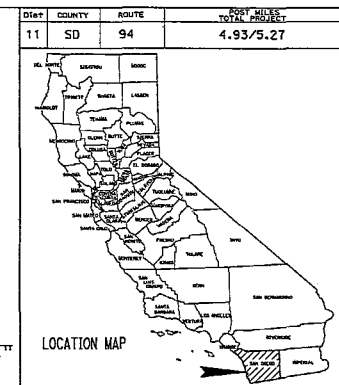
I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

[Signature]
 4-20-17
 DATE

CITY OF SAN DIEGO

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

STATE ROUTE 94 AND EUCLID AVENUE INTERCHANGE



End Work
Sta "SD-94"
350+00

CONTRACTOR'S RESPONSIBILITIES

- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING: SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR THE REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT (BUSINESS AND PROFESSIONS CODE 8771).
- PURSUANT TO SECTION 4216 OF THE CALIFORNIA GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G. UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA 1-800-422-4133) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SD&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SD&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)
- CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STANDARD SPECIFICATIONS

CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WHITE BOOK), 2015 EDITION
 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2015 EDITION
 CALIFORNIA DEPARTMENT OF TRANSPORTATION U.S. CUSTOMARY STANDARD SPECIFICATIONS, 2015 EDITION
 CITY OF SAN DIEGO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, 2016 EDITION
 CALIFORNIA DEPARTMENT OF TRANSPORTATION U.S. CUSTOMARY STANDARD PLANS, 2015 EDITION

CONSTRUCTION STORM WATER PROTECTION NOTES

- THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS NOTED IN THE GREEN BOOK CITY SUPPLEMENT SEE 701 - WATER POLLUTION CONTROL

Limit of Work
(Euclid Avenue)
Sta "EUCLID" 16+00

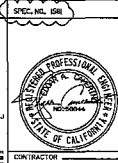
**PLANS FOR THE CONSTRUCTION OF
STATE ROUTE 94 AND EUCLID AVENUE
INTERCHANGE
TITLE SHEET**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 1 OF 83 SHEETS		RES S-14009
DESIGNED BY DANIEL NITTER CITY ENGINEER	DATE 06/27/2017	PROJECT MANAGER JESUS GARCIA
DESCRIPTION ADDENDUM B	BY APPROVED [Signature]	PROJECT ENGINEER SHAWN KRAUSE
DATE 6/21/17	DATE PLANNED 6/21/17	SEE SHEETS 0397 COORDINATE
		SEE SHEETS 0388 COORDINATE
CONTRACTOR RICK ENGINEERING COMPANY	DATE STARTED [Blank]	DATE COMPLETED [Blank]
INSPECTOR [Blank]	39565-01-D	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
▲	6/27/17	39565-1-D, 39565-11-D, 39565-78-D, 39565-79-D, 39565-80-D	N/A



RICK ENGINEERING COMPANY
 2620 FIRMS ROAD
 SAN DIEGO, CA 92110
 619-291-0707
 FAX 619-291-4165
 www.rickengineering.com



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 JUNE 26, 2017 10:58AM Euclid Avenue Interchange-Phase 3

ADDENDUM B

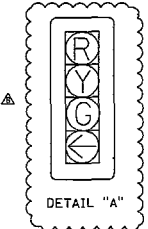
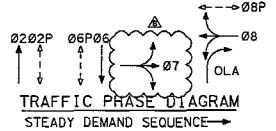
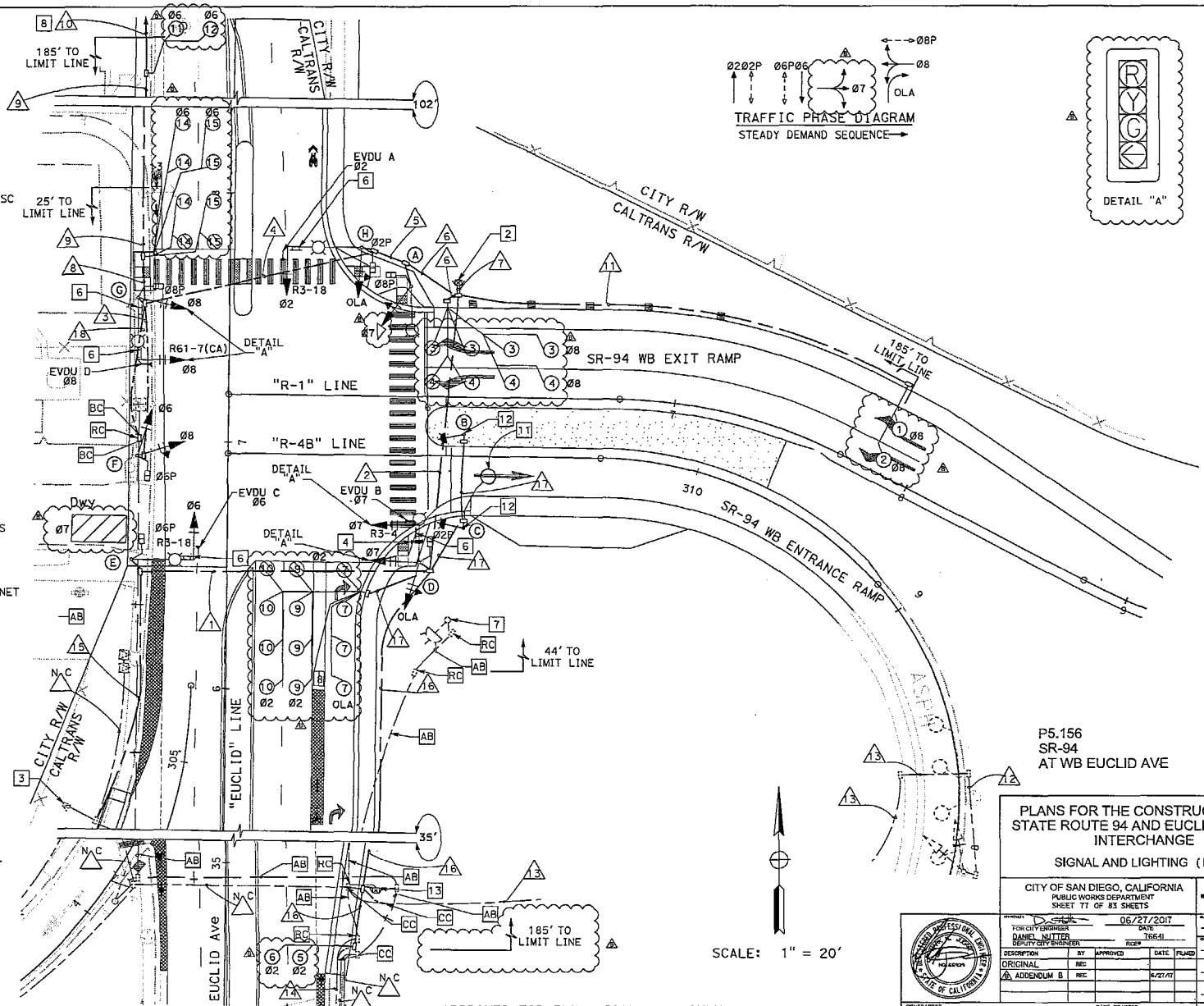
STATE ROUTE 94 AND EUCLID AVENUE

CONDUIT NOTES:

- 8 2" C, 5 DLC, 1 SIC
- 9 2" C, 2 DLC, 1 SIC
- 10 2" C, 1 SIC
- 11 2" C, 2 DLC
- 12 Exist 1 1/2" C, 1-12 CSC, 8 #14 (FBS)
- 13 Exist 1 1/2" C, 8 #14 (FBS), 1 DLC, 1-12 CSC
- 14 Exist 1 1/2" C, 2 #8 (rm), 1-12 CSC
- 15 2" C, 2 #6 (PWR)
- 16 2" C, 2 DLC, 2 #8 (rm), 1-12 CSC, 1 SIC
- 17 2" C, 1-12 CSC
- 18 2" C, 1 SIC

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE CALTRANS DISTRICT OFFICE.
2. STATE-FURNISHED MODEL 170 CONTROLLER IN MODEL 332 CABINET. INSTALL BATTERY BACK-UP SYSTEM CABINET AND BATTERIES.
3. EXIST TYPE III-BF UNMETERED SERVICE CABINET TO REMAIN. ADD A 50A, 120V, 1P CIRCUIT BREAKER, AND A 30A, 240V, 2P CIRCUIT BREAKER.
4. VIDEO DETECTION UNIT, COMMUNICATION CARD AND VIDEO DISPLAY IN CONTROLLER CABINET.
5. SEE SHEET E-2 FOR POLE SCHEDULE AND CONDUCTOR SCHEDULE.
6. DETAIL U ES-7N. SEE SIGN PLANS.
7. RC TYPE 15 FBS.
8. ADD 1 SIC TO TRAFFIC CONTROLLER LOCATED AT THE SW CORNER OF EUCLID Ave AND FEDERAL Blvd.
9. ADD 1 SIC TO RAMP METER CONTROLLER LOCATED AT THE NE CORNER OF EUCLID Ave AND SR-94 EB EXIT RAMP.
10. DISCONNECT AND RC ALL WIRES AT RAMP METER TRAFFIC LIGHT AND AT RAMP METER CONTROLLER. ADD WIRING AS SHOWN ON CONDUIT NOTES.
11. QUEUE LOOPS SEE DETAIL "A" ON SHEET E-2.
12. TYPE 15-BS SEE DETAIL "B" ON SHEET E-2.
13. EXIST RAMP METER CONTROLLER CABINET.



P5.156
SR-94
AT WB EUCLID AVE

E-1

PLANS FOR THE CONSTRUCTION OF STATE ROUTE 94 AND EUCLID AVENUE INTERCHANGE

SIGNAL AND LIGHTING (NEW)

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 11 OF 83 SHEETS		NO. S-14009
DATE: 06/27/2017	PROJECT MANAGER: JESUS GARCIA	
FOR CITY OFFICIAL: DANIEL NUTTER	DESIGNER: SHAWN KRAUSE	
SECURITY/INTEGRITY: T6641	PROJECT ENGINEER: SHAWN KRAUSE	
DESCRIPTION: ORIGINAL	BY: REC	DATE: 6/27/17
DESCRIPTION: ADDENDUM B	BY: REC	DATE: 6/27/17
CONTRACTOR: 39565-77-D		DATE COMPLETED:



SCALE: 1" = 20'

APPROVED FOR ELECTRICAL WORK ONLY

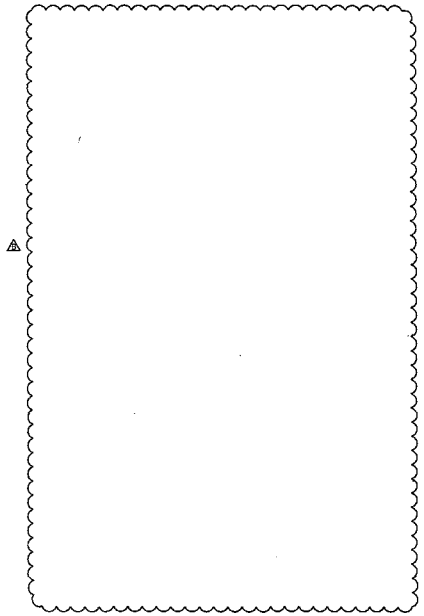
RICK ENGINEERING COMPANY
5620 FRANKS ROAD
SAN DIEGO, CA 92118
619-291-0202
FAX: 619-291-4145
www.rickeng.com

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J:\24-2177-09\Euclid Avenue Interchange\Phase 2

ADDENDUM B

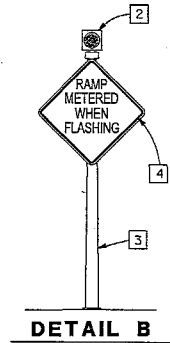
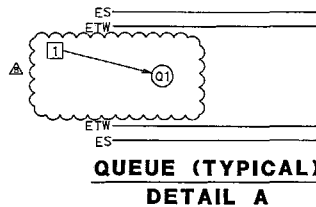
EQUIPMENT AND POLE SCHEDULE

Loc	STANDARDS			PLACEMENT DIMENSIONS	SIGNAL MOUNTING AND PLACEMENT					LUMINAIRE (LED)	REMARKS
	TYPE	SMA	LMA		VEHICLE		PEDESTRIAN (APS)				
					POLE	MAST ARM	SIGNAL	APS	ARROW		
(A)	15TS	-	15'	"EUCLID" LINE STA 37+63.50 73' Rt	SV-1-T	-	SP-1-T	Ø2	↓	165 W	
(B)	15-FBS	-	-	"EUCLID" LINE STA 37+4.50 95' Rt	-	-	-	-	-	-	-
(C)	15-FBS	-	-	"EUCLID" LINE STA 36+66.00 95' Rt	-	-	-	-	-	-	-
(D)	17-3-100	15'	15'	"EUCLID" LINE STA 36+52.00 77.5' Rt	SV-2-T	MAS	SP-1-T	Ø2	↑	165 W	INSTALL EVDU B Ø4. INSTALL M.A. MOUNTED STREET NAME SIGN: EUCLID Ave
(E)	19-4-100	25'	15'	"EUCLID" LINE STA 36+52.00 38.5' Lt	-	MAS	SP-1-T	Ø6	↑	165 W	INSTALL EVDU C Ø6. INSTALL M.A. MOUNTED STREET NAME SIGN: SR-94
(F)	1-A	-	-	"EUCLID" LINE STA 36+94.00 36.5' Lt	TV-2-TB	-	SP-1-T	Ø6	↓	-	-
(G)	19-4-100	25'	15'	"EUCLID" LINE STA 37+58.00 36.5' Lt	SV-1-T	MAS	SP-1-T	Ø8	→	165 W	INSTALL EVDU D Ø8. INSTALL M.A. MOUNTED STREET NAME SIGN: EUCLID Ave
(H)	19-4-100	30'	15'	"EUCLID" LINE STA 37+19.00 53' Rt	SV-1-T	MAS	SP-1-T	Ø8	←	165 W	INSTALL EVDU A Ø2. INSTALL M.A. MOUNTED STREET NAME SIGN: SR-94



CONDUCTOR SCHEDULE

AWG	PHASE	LOCATION	3"	4"	3"	4"	4"	2-3"	2-4"
3CSC		POLE A	-	-	-	-	-	-	-
		POLE D	-	-	-	-	-	-	-
		POLE E	1	1	1	1	1	1	1
		POLE F	-	-	-	-	-	-	-
		POLE G	-	-	-	-	-	-	-
		POLE H	-	-	-	-	-	-	-
TOTAL CABLES - 3CSC / 12CSC			1	2	2	1	2	3	3
#6		SERVICE	2	2	-	-	-	-	2
#8		Ltg	1	1	-	1	1	1	-
#10		Ltg	2	2	-	2	2	2	-
DLC TYPE B	Ø2	DLC	-	4	-	-	-	-	4
	Ø4	DLC	-	-	-	-	-	-	-
	Ø6	DLC	-	-	-	5	5	5	5
	Ø8	DLC	-	-	-	-	-	-	4
	OLA	DLC	-	1	-	-	-	-	1
TOTAL DLC			-	5	-	5	5	5	14
INTERCONNECT CABLE - SIC			-	1	-	2	2	2	3
EVUC			1	2	-	1	2	2	4
VIDEO HARNESS			-	1	-	-	-	-	1
TOTAL CONDUCTORS/CABLES			8	19	2	14	18	20	36
CONDUIT FILL			17%	19%	9%	18%	23%	25%	24%



- NOTES:**
- 1] CENTER LOOPS IN TRAVEL LANE
 - 2] ONE SECTION SIGNAL HEAD WITH 12" YELLOW BACKPLATE NOT REQUIRED
 - 3] TYPE 15-FBS STANDARD
 - 4] SIGN PANELS. SEE SIGN PLANS

P5.156
SR-94
AT WB EUCLID AVE

E-2

PLANS FOR THE CONSTRUCTION OF
STATE ROUTE 94 AND EUCLID AVENUE
INTERCHANGE
SIGNAL AND LIGHTING (NEW)

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 78 OF 83 SHEETS		ISS S-14009
PROJECT: SR-94	DATE: 06/27/2017	APPROVED: JESUS GARCIA PROJECT MANAGER
DRAWN BY: DANIEL NITTER	DATE: 7/6/17	CHECKED BY: SHAWN KRAUSE PROJECT ENGINEER
DESCRIPTION: ORIGINAL	BY: []	DATE: []
ADDENDUM B	BY: []	DATE: 6/27/17
CONTRACTOR: []		DATE STARTED: []
INSPECTOR: []		DATE COMPLETED: []



REMOVED PHASING TABLE, REVISED LOOP DETAIL.

ADDENDUM B

RICK
ENGINEERING COMPANY
5628 FRANKS ROAD
SAN DIEGO, CA 92120
619-291-6207
619-419-2114/165
rickeng.com

APPROVED FOR ELECTRICAL WORK ONLY

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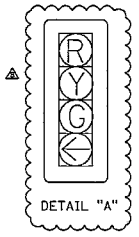
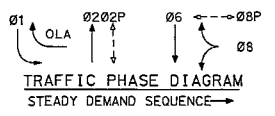
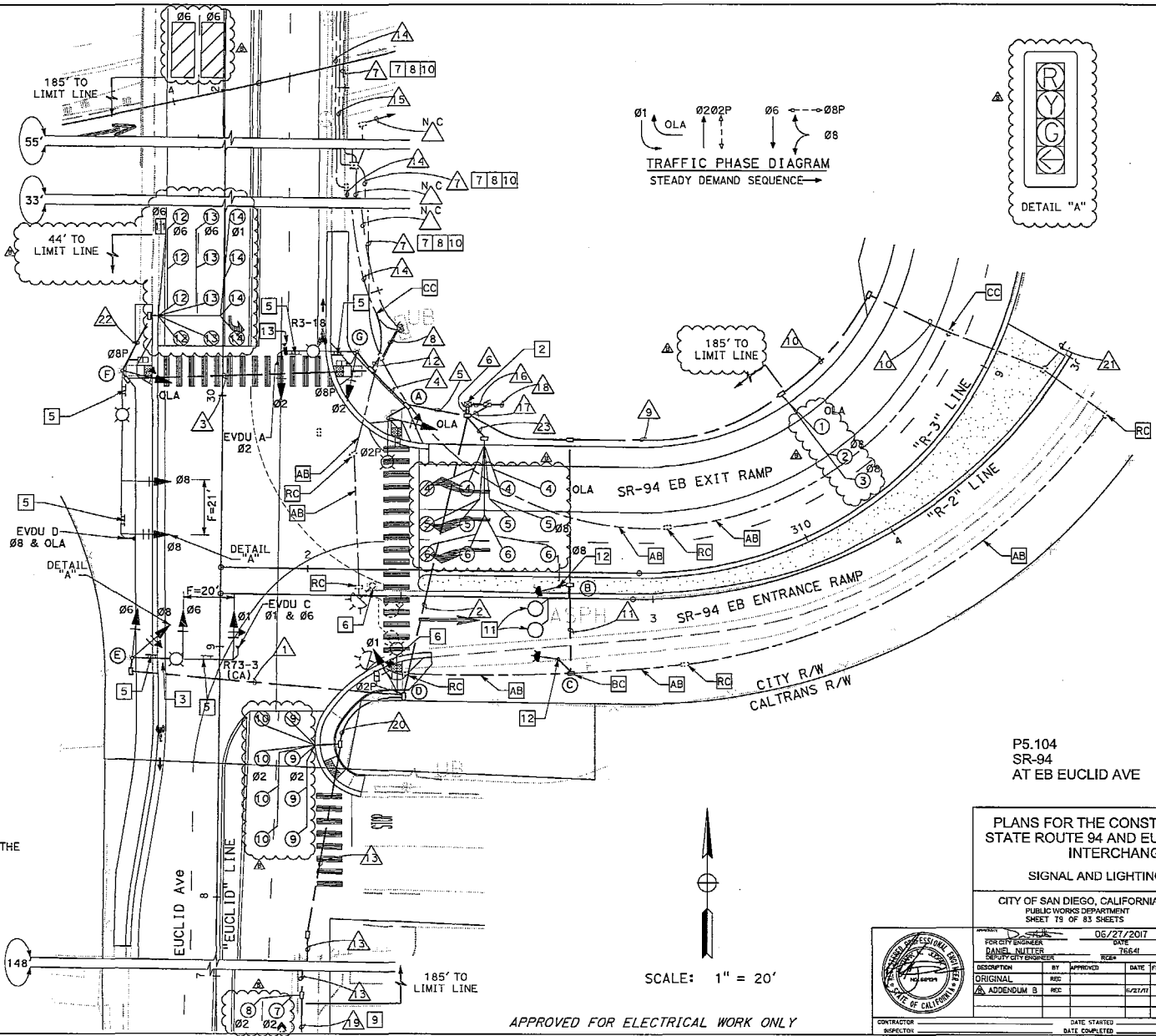
SIGNAL AND LIGHTING (NEW)

CONDUIT NOTES:

- 7 2" C, 2 SIC
- 8 Exist 1" C, 1 SIC, ADD 1 SIC, 1-12 CSC
- 9 2" C, 3 DLC, RC 4#14(SIG), RC 1#14(NEUTRAL), RC 3#14(SPARES), RC 2 #14(FBS), 2 DLC, ADD 2-12 CSC
- 10 Exist 1 1/2" C, RC 4#14(SIG), RC 1#14(NEUTRAL), RC 3#14(SPARES), RC 2 #14(FBS), 2 DLC, ADD 2-12 CSC
- 11 2" C, 1-12 CSC
- 12 2" C, 1 SIC
- 13 2" C, 2 DLC, 1 SIC
- 14 Exist 1" C, 2#8(RM), ADD 2#6(POWER)
- 15 Exist 1 1/2" C, 2#8(RM), ADD 2#6(POWER)
- 16 2" C, 2#6(SIGNAL), 1#8(GRD)
- 17 2" C, 2#10(LTG), 1#8(GRD)
- 18 2" C, W/PULL ROPE PER SDG&E STANDARDS
- 19 2" C, 1 SIC
- 20 2" C, 4 DLC, 1 SIC
- 21 Exist 1" C, RC 1-12 CSC
- 22 2" C, 4 DLC
- 23 2" C, 3 DLC

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE CALTRANS DISTRICT OFFICE.
2. STATE-FURNISHED MODEL 170 CONTROLLER IN MODEL 332 CABINET. INSTALL BATTERY BACK-UP SYSTEM CABINET AND BATTERIES
3. VIDEO DETECTION UNIT, COMMUNICATION CARD AND VIDEO DISPLAY IN CONTROLLER CABINET.
4. SEE SHEET E-4 FOR POLE SCHEDULE AND CONDUCTOR SCHEDULE.
5. DETAIL U ES-7N. SEE SIGN PLANS.
6. RC TYPE 15 FBS.
7. RC 1 SIC.
8. INSTALL 1 SIC TO RAMP METER CONTROLLER CABINET LOCATED SOUTH OF THE SR-94 WB EXIT RAMP.
9. INSTALL 1 SIC TO CONTROLLER CABINET LOCATED AT THE NORTHEAST CORNER OF EUCLID AVE AND HILLTOP DP.
10. INSTALL 1 SIC TO CONTROLLER LOCATED AT THE NORTHEAST CORNER OF EUCLID AVE AND SR-94 WESTBOUND EXIT RAMP.
11. QUEUE LOOPS SEE DETAIL "A" ON SHEET E-4.
12. TYPE 15-BS SEE DETAIL 'B' ON SHEET E-4.
13. INSTALL VIDEO DETECTION UNIT WITH A 10' RISER.



RICK ENGINEERING COMPANY
 1620 FRANKS ROAD
 SAN DIEGO, CA 92110
 619-591-6279
 FAX 619-591-1145
 www.rickeng.com

USERNAME => ndorner
 DGN FILE => u003.dgn
 J:\0126-0119-304\Euclid Avenue Interchange-Phase 2

P5.104
 SR-94
 AT EB EUCLID AVE

E-3
 PLANS FOR THE CONSTRUCTION OF
 STATE ROUTE 94 AND EUCLID AVENUE
 INTERCHANGE
 SIGNAL AND LIGHTING (NEW)

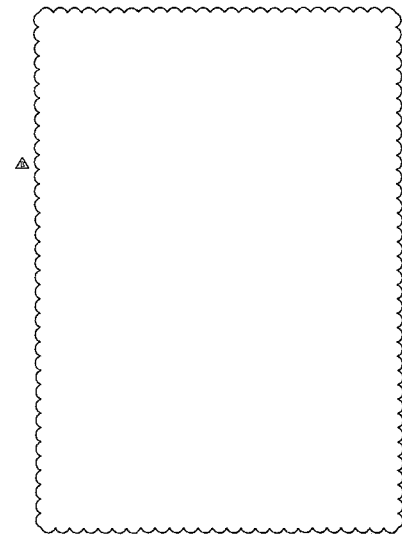
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 79 OF 83 SHEETS		WBS S-14009
DATE: 06/27/2017	FOR CITY ENGINEER: DANIEL NUTTER	DATE FILMED: 7/6/17
DESIGNER: DANIEL NUTTER	BY: SHAWN KRAUSE	PROJECT ENGINEER: SHAWN KRAUSE
APPROVED: [Signature]	DATE: 6/27/17	DATE COMPLETED: 3/9/18
CONTRACTOR: [Signature]	REVISOR: [Signature]	DATE STARTED: [Signature]
REVISIONS: REVISOR: [Signature]		DATE COMPLETED: 3/9/18

APPROVED FOR ELECTRICAL WORK ONLY

ADDENDUM B

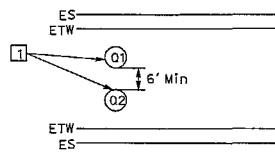
EQUIPMENT AND POLE SCHEDULE

Loc	STANDARDS			PLACEMENT DIMENSIONS	SIGNAL MOUNTING AND PLACEMENT					LUMINAIRE (LED)	REMARKS
	TYPE	SMA	LMA		VEHICLE		PEDESTRIAN (APS)				
					POLE	MAST ARM	SIGNAL	APS	ARROW		
(A)	15TS	-	15'	"EUCLID" LINE STA 29+92.00 65.5' Rt	SV-1-T	-	SP-1-T	Ø2	↓	165 W	-
(B)	15-FBS	-	-	"EUCLID" LINE STA 29+26.00 34.5' Lt	-	-	-	-	-	-	-
(C)	15-FBS	-	-	"EUCLID" LINE STA 28+97.00 134.5' Rt	-	-	-	-	-	-	-
(D)	15TS	-	15'	"EUCLID" LINE STA 28+82.50 70.5' Rt	SV-1-T	-	SP-1-T	Ø2	↑	165 W	-
(E)	26-4-100	40'	15'	"EUCLID" LINE STA 28+95.00 34.5' Lt	SV-2-T	2-MAS	-	-	-	165 W	INSTALL EVDU C 01 & 06. INSTALL M.A. MOUNTED STREET NAME SIGN: SR-94
(F)	61-5-100	65'	15'	"EUCLID" LINE STA 30+9.50 40' Lt	SV-1-T	2-MAS	SP-1-T	Ø8	→	165 W	INSTALL EVDU D 08. INSTALL M.A. MOUNTED STREET NAME SIGN: EUCLID Ave
(G)	19-4-100	30'	15'	"EUCLID" LINE STA 30+18.00 53' Rt	SV-1-T	MAS	SP-1-T	Ø8	←	165 W	INSTALL EVDU A 02. INSTALL M.A. MOUNTED STREET NAME SIGN: SR-94



CONDUCTOR SCHEDULE

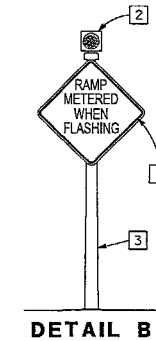
AWG	PHASE	LOCATION	3"	4"	3"	2-3"	2-3"	2-4"
			△	△	△	△	△	△
3CSC		POLE A	-	-	-	-	-	-
		POLE D	-	-	-	-	-	-
		POLE E	-	-	-	-	-	-
		POLE F	-	-	-	-	-	-
12CSC		POLE G	-	-	-	-	-	-
TOTAL CABLES - 3CSC / 12CSC			-	-	-	-	-	-
#6	SERVICE		-	-	-	-	-	-
#8	Ltg		1	1	1	1	1	-
#10	Ltg		2	2	2	2	2	-
12 CSC	FB		-	-	-	-	-	-
	DLC		-	-	-	-	-	-
DLC TYPE B	1	DLC	-	-	1	1	1	1
	2	DLC	-	-	4	-	-	4
	6	DLC	-	-	3	3	3	3
	8	DLC	-	-	-	-	-	2
OLA	DLC	-	-	-	-	-	1	
TOTAL DLC			-	-	4	4	4	4
INTERCONNECT CABLE - SIC			-	-	1	-	1	1
EVDU			1	1	1	2	2	3
VIDEO HARNESS			-	-	-	-	-	1
TOTAL CONDUCTORS/CABLES			5	14	10	17	19	26
CONDUIT FILL			11%	20%	16%	22%	28%	18%



QUEUE (TYPICAL) - DETAIL A

NOTES:

- 1 CENTER LOOPS IN TRAVEL LANE
- 2 ONE SECTION SIGNAL HEAD WITH 12" YELLOW BACKPLATE NOT REQUIRED
- 3 TYPE 15-FBS STANDARD
- 4 SIGN PANELS. SEE SIGN PLANS



DETAIL B

P5.104
SR-94
AT EB EUCLID AVE

E-4

PLANS FOR THE CONSTRUCTION OF
STATE ROUTE 94 AND EUCLID AVENUE
INTERCHANGE

SIGNAL AND LIGHTING (NEW)

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 80 OF 83 SHEETS		NO. S-14009
DATE: 06/27/2017	DESIGNED BY: DANIEL NITTER	CHECKED BY: SHAWN KRAUSE
FOR CITY ENGINEER: DANIEL NITTER	DATE: 6/27/17	PROJECT ENGINEER: SHAWN KRAUSE
DESCRIPTION: ORIGINAL	BY: REC	DATE: 6/27/17
ADDENDUM B	REC	
CONTRACTOR: 39565-80-D		DATE COMPLETED:



CONTRACTOR: 39565-80-D
INSPECTOR: REMOVED PHASING TABLE

ADDENDUM B

RICK
ENGINEERING COMPANY
1630 FIRBARK ROAD
SAN DIEGO, CA 92110
619-291-0707
FAX: 619-291-1145
www.rickeng.com

APPROVED FOR ELECTRICAL WORK ONLY

USERNAME => ndorner
DGN FILE => uq004.dgn

SIGNAL AND LIGHTING (NEW)

City of San Diego

CITY CONTACT: Rosa I. Riego, Contract Specialist, Email: Rriego@sandiego.gov
Phone No. (619) 533-3426, Fax No. (619) 533-3633

ADDENDUM "A"

 **e - Bidding** FOR



SR94/EUCLID AVENUE INTERCHANGE-PHASE 2

BID NO.:	<u>K-17-1581-DBB-3</u>
SAP NO. (WBS/IO/CC):	<u>S-14009</u>
CLIENT DEPARTMENT:	<u>2116</u>
COUNCIL DISTRICT:	<u>4</u>
PROJECT TYPE:	<u>ID</u>

BID DUE DATE:

2:00 PM

JULY 05, 2017

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTS

1010 SECOND AVENUE, 14th FLOOR, MS 614C

SAN DIEGO, CA 92101

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

THE SUBMITTAL DATE FOR THIS PROJECT HAS BEEN **EXTENDED AS STATED ON THE COVER PAGE.**

James Nagelvoort, Director
Public Works Department

Dated: *June 16, 2017*
San Diego, California

JN/JB/Lad

Bid Results

Bidder Details

Prime Self-Performance
72.57%

Vendor Name Blue Pacific Engineering & Construction
Address 7330 Opportunity Road, Suite J, San Diego, CA, 92111
 San Diego, CA 92111
 United States

Respondee Shahram Elihu
Respondee Title Sole Proprietor
Phone 858-956-1456 Ext.
Email richard@bluepacificeng.com
Vendor Type CAU,MALE,PQUAL,CADIR,Local
License # 824455
CADIR 1000003217

Bid Detail

Bid Format Electronic
Submitted July 7, 2017 12:55:22 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 110082
Ranking 0

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
BP pending	BP PENDING.pdf	Contractor's Certification of Pending Actions
BP Bid bond	BP BID BOND.pdf	Bid Bond

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
	Main Bid						
1	BONDS PAYMENT AND PERFORMANCE						
	524126	LS	1	\$70,000.00	\$70,000.00		2-4.1
2	SWPPP DEVELOPMENT						
	541330	LS	1	\$3,000.00	\$3,000.00		7-8.6.3.7
3	SWPPP IMPLEMENTATION						
	237990	LS	1	\$75,000.00	\$75,000.00		7-8.6.3.7
4	SWPPP PERMIT FEE (EOC TYPE I)						
	541330	AL	1	\$10,000.00	\$10,000.00		7-8.6.3.7
5	TMP - PUBLIC INFORMATION (EXCLUSIVE COMMUNITY LIASON SERVICES)						
	541820	LS	1	\$10,000.00	\$10,000.00		7-16.4

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
6	FIELD ORDERS (EOC TYPE II)						
		AL	1	\$73,000.00	\$73,000.00		9-3.5
7	LEAD COMPLIANCE PLAN						
	562910	LS	1	\$6,250.00	\$6,250.00		7-1.02(k)6(j)(ii)
8	PROGRESS SCHEDULE (CRITICAL PATH METHOD)						
	237310	LS	1	\$5,000.00	\$5,000.00		8-1.02D(9)
9	TIME-RELATED OVERHEAD (LS)						
	237310	LS	1	\$50,000.00	\$50,000.00		9
10	TRAFFIC CONTROL SYSTEM						
	237310	LS	1	\$200,000.00	\$200,000.00		12-1.04
11	REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)						
	238990	LF	3770	\$2.30	\$8,671.00		9
12	TREATED WOOD WASTE						
	238910	LB	6370	\$0.50	\$3,185.00		9
13	REMOVE PAINTED TRAFFIC STRIPE						
	237310	LF	5550	\$1.10	\$6,105.00		84-9.04
14	REMOVE THERMOPLASTIC PAVEMENT MARKING						
	237310	SQ FT	640	\$3.00	\$1,920.00		84-9.04
15	REMOVE PAVEMENT MARKER						
	237310	EA	290	\$2.50	\$725.00		84-9.04
16	REMOVE ROADSIDE SIGN (METAL POST)						
	238210	EA	1	\$300.00	\$300.00		82-9.04
17	REMOVE ROADSIDE SIGN (WOOD POST)						
	238210	EA	40	\$200.00	\$8,000.00		82-9.04
18	REMOVE ROADSIDE SIGN (STRAP AND SADDLE METHOD)						
	238210	EA	1	\$500.00	\$500.00		82-9.04
19	REMOVE ASPHALT CONCRETE PAVEMENT						
	237310	CY	680	\$120.00	\$81,600.00		39-3.05D
20	REMOVE ASPHALT CONCRETE DIKE						
	237310	LF	410	\$5.00	\$2,050.00		9
21	ABANDON CULVERT (LF)						
	237110	LF	100	\$50.00	\$5,000.00		9

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
22	REMOVE CULVERT (LF)						
	237110	LF	40	\$150.00	\$6,000.00		71-2.04
23	REMOVE INLET						
	237110	EA	3	\$2,800.00	\$8,400.00		71-2.04
24	ADJUST WATER METER BOX TO GRADE						
	237310	EA	3	\$300.00	\$900.00		9
25	REMOVE WATER METER						
	237110	EA	1	\$500.00	\$500.00		9
26	ADJUST GATE VALVE						
	237310	EA	2	\$300.00	\$600.00		9
27	ADJUST MANHOLE TO GRADE						
	237310	EA	1	\$1,000.00	\$1,000.00		301-1.7
28	COLD PLANE ASPHALT CONCRETE PAVEMENT						
	237310	SQ YD	100	\$90.00	\$9,000.00		9
29	REMOVE CONCRETE (CY)						
	237310	CY	50	\$200.00	\$10,000.00		9
30	REMOVE CONCRETE SIDEWALK (LF)						
	237310	LF	880	\$6.00	\$5,280.00		9
31	REMOVE CONCRETE (CURB AND GUTTER)						
	237310	LF	4560	\$8.00	\$36,480.00		9
32	REFINISH BRIDGE DECK						
	237310	SQ FT	400	\$30.00	\$12,000.00		9
33	CLEARING AND GRUBBING (LS)						
	238910	LS	1	\$50,000.00	\$50,000.00		9
34	DUST PALLIATIVE						
	237310	LS	1	\$15,000.00	\$15,000.00		9
35	ROADWAY EXCAVATION (INCLUDES EXPORT OF SURPLUS)						
	237310	CY	12000	\$55.00	\$660,000.00		19-2.04
36	ROADSIDE CLEARING						
	238910	LS	1	\$20,000.00	\$20,000.00		20-1.04
37	WEED GERMINATION						
	561730	SQ YD	7862	\$1.50	\$11,793.00		20

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
38	CULTIVATION						
	561730	SQ YD	7862	\$4.50	\$35,379.00		20
39	PLANT (GROUP F)						
	561730	EA	15	\$150.00	\$2,250.00		20
40	PLANT (GROUP H)						
	561730	EA	70620	\$0.65	\$45,903.00		20
41	PLANT (GROUP K)						
	561730	EA	15	\$500.00	\$7,500.00		20
42	PLANT (GROUP B)						
	561730	EA	71	\$50.00	\$3,550.00		20
43	REVEGETATION / PLANT ESTABLISHMENT WORK						
	541330	LS	1	\$6,000.00	\$6,000.00		20
44	ROCK COBBLE						
	238910	SQ FT	3910	\$3.50	\$13,685.00		9
45	NO. 57 STONE						
	238910	SQ FT	2510	\$2.80	\$7,028.00		9
46	WOOD MULCH						
	561730	CY	14	\$80.00	\$1,120.00		20
47	CHECK AND TEST EXISTING IRRIGATION FACILITIES						
	561730	LS	1	\$5,000.00	\$5,000.00		20
48	CONTROL AND NEUTRAL CONDUCTORS						
	561730	LS	1	\$10,000.00	\$10,000.00		20
49	1" REMOTE CONTROL VALVE						
	561730	EA	4	\$600.00	\$2,400.00		20
50	1 1/2" REMOTE CONTROL VALVE						
	561730	EA	8	\$650.00	\$5,200.00		20
51	3" REMOTE CONTROL VALVE						
	561730	EA	1	\$1,500.00	\$1,500.00		20
52	IRRIGATION CONTROLLER ENCLOSURE CABINET						
	561730	EA	1	\$2,500.00	\$2,500.00		20
53	CERTIFY EXISTING BACKFLOW PREVENTERS						
	237110	LS	1	\$1,200.00	\$1,200.00		20

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
54	FLOW SENSOR						
	237110	EA	1	\$1,500.00	\$1,500.00		20
55	TREE WELL SPRINKLER ASSEMBLY						
	561730	EA	30	\$60.00	\$1,800.00		20
56	RISER SPRINKLER ASSEMBLY						
	561730	EA	124	\$60.00	\$7,440.00		20
57	POP-UP SPRINKLER ASSEMBLY						
	561730	EA	60	\$80.00	\$4,800.00		20
58	2" GATE VALVE						
	237110	EA	7	\$250.00	\$1,750.00		20
59	3" GATE VALVE						
	237110	EA	9	\$600.00	\$5,400.00		20
60	1" PLASTIC PIPE (SCHEDULE 40) (LATERAL SUPPLY LINE)						
	237110	LF	2861	\$5.00	\$14,305.00		20
61	1 1/4" PLASTIC PIPE (SCHEDULE 40) (LATERAL SUPPLY LINE)						
	237110	LF	1166	\$5.50	\$6,413.00		20
62	1 1/2" PLASTIC PIPE (SCHEDULE 40) (LATERAL SUPPLY LINE)						
	237110	LF	476	\$6.00	\$2,856.00		20
63	2" PLASTIC PIPE (SCHEDULE 40) (LATERAL SUPPLY LINE)						
	237110	LF	364	\$7.50	\$2,730.00		20
64	2 1/2" PLASTIC PIPE (SCHEDULE 40) (LATERAL SUPPLY LINE)						
	237110	LF	42	\$8.50	\$357.00		20
65	3" PLASTIC PIPE (CLASS 315) (MAIN SUPPLY LINE)						
	237110	LF	1815	\$10.00	\$18,150.00		20
66	8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT						
	237110	LF	140	\$100.00	\$14,000.00		20
67	FINISHING ROADWAY						
	237310	LS	1	\$15,000.00	\$15,000.00		9
68	CLASS 4 AGGREGATE SUBBASE						
	237310	CY	1550	\$80.00	\$124,000.00		25-1.04
69	CLASS 2 AGGREGATE BASE						
	237310	CY	990	\$70.00	\$69,300.00		26-1.04

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
70	ASPHALTIC EMULSION (FOG SEAL COAT)						
	237310	TON	1	\$3,000.00	\$3,000.00		37-2.02D
71	HOT MIX ASPHALT (TYPE A)						
	237310	TON	3450	\$130.00	\$448,500.00		9
72	MINOR HOT MIX ASPHALT						
	237310	TON	20	\$500.00	\$10,000.00		9
73	PLACE HOT MIX ASPHALT DIKE (TYPE A)						
	237310	LF	100	\$5.00	\$500.00		9
74	PLACE HOT MIX ASPHALT DIKE (TYPE C)						
	237310	LF	65	\$5.00	\$325.00		9
75	PLACE HOT MIX ASPHALT DIKE (TYPE E)						
	237310	LF	2040	\$5.00	\$10,200.00		9
76	PLACE HOT MIX ASPHALT DIKE (TYPE F)						
	237310	LF	100	\$5.00	\$500.00		9
77	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)						
	237310	SQ YD	50	\$110.00	\$5,500.00		9
78	TACK COAT						
	237310	TON	3	\$3,000.00	\$9,000.00		39-2.01D
79	STRUCTURAL CONCRETE, JUNCTION STRUCTURE						
	237310	CY	8.8	\$2,300.00	\$20,240.00		51-7.01D
80	MINOR CONCRETE (MINOR STRUCTURE)						
	237310	CY	18.9	\$3,200.00	\$60,480.00		9
81	ROADSIDE SIGN - ONE POST						
	237310	EA	44	\$400.00	\$17,600.00		82-3.04
82	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)						
	238210	EA	4	\$500.00	\$2,000.00		82-3.04
83	12" REINFORCED CONCRETE PIPE						
	237110	LF	5	\$400.00	\$2,000.00		65-1.04
84	18" REINFORCED CONCRETE PIPE						
	237110	LF	870	\$180.00	\$156,600.00		65-1.04
85	18" REINFORCED CONCRETE PIPE w/ 5° BEVELED JOINTS						
	237110	LF	24	\$400.00	\$9,600.00		65-1.04

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
86	24" REINFORCED CONCRETE PIPE						
	237110	LF	300	\$250.00	\$75,000.00		65-1.04
87	DRAINAGE INLET MARKER						
	237310	EA	10	\$50.00	\$500.00		70-1.04
88	18" CONCRETE FLARED END SECTION						
	237110	EA	1	\$1,000.00	\$1,000.00		70-1.04
89	BROOKS BOX (12"x12")						
	237310	EA	1	\$1,200.00	\$1,200.00		9
90	36" REINFORCED CONCRETE PIPE RISER						
	237110	LF	19	\$500.00	\$9,500.00		9
91	ROCK SLOPE PROTECTION (FACING, METHOD B) (CY)						
	237310	CY	3	\$300.00	\$900.00		72-2.04
92	ROCK SLOPE PROTECTION FABRIC (CLASS 8)						
	237310	SQYD	6	\$100.00	\$600.00		9
93	DETECTABLE WARNING SURFACE						
	237310	SQ FT	190	\$50.00	\$9,500.00		9
94	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)						
	237310	CY	140	\$650.00	\$91,000.00		9
95	MINOR CONCRETE (EXPOSED AGGREGATE CONCRETE)						
	237310	SQFT	5490	\$14.00	\$76,860.00		9
96	MISCELLANEOUS IRON AND STEEL						
	237310	LB	6499	\$3.00	\$19,497.00		9
97	TRENCH SHORING						
	237110	LS	1	\$15,000.00	\$15,000.00		9
98	MIDWEST GUARDRAIL SYSTEM (WOOD POST)						
	237310	LF	100	\$60.00	\$6,000.00		83-2.02D
99	PEDESTRIAN BARRICADE						
	237310	EA	8	\$700.00	\$5,600.00		701-2
100	END ANCHOR ASSEMBLY (TYPE SFT)						
	237310	EA	1	\$1,100.00	\$1,100.00		83-2.02D
101	ALTERNATIVE IN-LINE TERMINAL SYSTEM						
	237310	EA	1	\$4,500.00	\$4,500.00		83-2.02D

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment	Reference
102	THERMOPLASTIC TRAFFIC STRIPE						
	237310	LF	12370	\$2.40	\$29,688.00		84-2.04
103	PAINT TRAFFIC STRIPE (2-COAT)						
	237310	LF	1710	\$1.80	\$3,078.00		84-2.04
104	THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)						
	237310	SQ FT	4110	\$4.50	\$18,495.00		84-2.04
105	PAVEMENT MARKER (RETROREFLECTIVE)						
	237310	EA	295	\$9.00	\$2,655.00		84-2.04
106	SIGNAL AND LIGHTING						
	238210	LS	1	\$540,000.00	\$540,000.00		86-8.01
107	DRY UTILITY RELOCATION (50/50 SPLIT)						
	561730	LS	1	\$15,000.00	\$15,000.00		9-3.1
108	MOBILIZATION						
	237310	LS	1	\$150,000.00	\$150,000.00		9
				Subtotal	\$3,739,993.00		
				Total	\$3,739,993.00		

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
S.C. Valley Engineering, Inc. 656 Front St. el cajon, CA 92020 United States	100% of Bid Item 106 Traffic Signal and Lighting	624559	10000020727	\$440,216.00	PQUAL,MBE,CADIR
Payco Specialties Inc. 120 North Second Ave Chula Vista, CA 91910 United States	100% of Bid Items 11, 12-15, 102-105 Partial for Bid Items 7 and 108 (partial)	298637	1000003515	\$66,719.00	CAU,FEM,PQUAL,S LBE,MBE,SDB,WBE,WOSB
SealRight Paving, Inc. 9053 Olive Dr. Spring Valley, CA 91977 United States	100% Bid Items 28 and 69-78	364113	1000003903	\$447,860.00	NAT,MALE,PQUAL, MBE,CADIR
Solid Structures, Inc. P. O. Box 848 La Mesa, CA 91944 United States	Bid Items 79 and 80	758791	1000015100	\$62,450.00	PQUAL
Ace Fence Company 727 Glendora Ave La Puente, CA 91744 United States	Guardrail System, End Anchor Assembly and Alternative In-Line Terminal System	996577	1000004092	\$8,650.00	