Bid No. 7467

All Prospective Vendors submitting a bid must be subscribed to this bid on the City’s bidding website prior to the bid opening. If the Vendor is not listed on the Current Planholders List for this bid, the bid package shall not be considered or accepted. Only bids submitted via the City’s bidding website shall be accepted. NO HARD COPIES OR EMAILED BIDS WILL BE ACCEPTED.

Bids are to be submitted no later than April 26, 2017 before 3:00pm. The time and date are fixed and extensions will not be granted. Bids not received prior to the bid event time will not be accepted.

Reminder: Upon submitting a bid, an automatic notification will be sent to the current email address saved to that account on the bidding website and the Submittal Status will change to “Submitted”. 
CITY OF RIVERSIDE
FINANCE DEPARTMENT, PURCHASING DIVISION

REQUEST FOR BIDS

BID NO. 7467
DUE: Before 3:00 P.M.
DATE April 26, 2017

La Sierra Ave at Vista Terrace and Miscellaneous Signal Improvements

The City of Riverside Public Works Department has determined bidders shall hold a valid Class “A” or a Class “C-10” State of California Contractor’s license in good standing.

BID BOND OR CASHIERS CHECK
IS REQUIRED WITH THIS BID

All Bids and any supplemental documents as called for by the Special Provisions (unless otherwise noted in the Special Provisions) are to be submitted electronically via the City’s bidding website. The City’s bidding website will prevent all submittals, withdrawals, and updates to bids starting exactly at the time set forth in the Notice Inviting Bids unless updated via Addendum. All Prospective Vendors submitting a bid must submit a bid guaranty prior to the Bid Event time.

All applicable forms required to be completed per the bid documents, shall be uploaded through the City’s bidding website prior to bid event date and time. Additional/supplemental documents to be submitted may include but are not limited to a Non-Collusion Declaration, Customer Service Standards Acknowledgment, IRAN Contracting Affidavit, and Contractor/Subcontractor Qualifications, shall be submitted via the supplied forms. Hard copies of pricing and subcontractor information will not be accepted as a viable bid.

BID BOND NOT UPLOADED PRIOR TO THE HOUR INDICATED WILL BE REJECTED.
Proposal Bonds not uploaded via the City’s bidding website prior to the time and the date set forth in the Notice Inviting Bids, shall be declared late. The bidder shall have sole responsibility for its timely submittal.

Proposal Guaranty in the form of a Cashier’s check or Certified check must be submitted to the Purchasing Services Manager, at 3900 Main Street, Riverside, CA 92522, prior to the hour and the date stated above.
La Sierra Ave at Vista Terrace and Miscellaneous Signal Improvements

The City of Riverside Public Works Department has determined bidders shall hold a valid Class “A” or a Class “C-10” State of California Contractor’s license in good standing.

Bid due date: April 26, 2017, Before 3:00 P.M.

Place: Upload Bid Bond along with all other required documents to the City’s bidding website at: www.riversideca.gov. Proposal Guaranty in the form of a Cashier’s check or Certified check must be submitted to the Purchasing Services Manager, at 3900 Main Street, Riverside, CA 92522, prior to the hour and the date stated above. All other required documents must be uploaded.

Vendors must subscribe at the following website in order to download plans, specifications, be placed on the electronic bidders’ list, and receive addendums/notifications when issued. http://www.riversideca.gov/bids

All bidders and sub-bidders will be required to comply fully with the following: 1) City of Riverside Resolution No. 13346, and subsequent amendments thereto specifying the current prevailing rate of per diem wages for each craft, classification or type of workman, which schedules are on file in the State of California web site address www.dir.ca.gov/DLSR/PWD_2) Successful bidder will obtain City of Riverside Business Tax Certificate, if they do not already hold one.

Pursuant to Section 22300 of the Public Contract Code of the State of California, the contractor will be permitted to substitute those securities set forth in said sections for any monies withheld to ensure performance of the contract.

A proposal guarantee in the form of a Bid Bond in the amount of 10% of the total bid must be uploaded prior to the hour and the date stated above. Proposal Guarantee in the form of a Cashier’s check or Certified check must be submitted to the Purchasing Services Manager, at 3900 Main Street, Riverside, CA 92522, prior to the hour and the date stated above.

Bid prices shall be firm for 90 days from date of proposal opening to permit staff evaluation and City Council award. Upon award, prices quoted will be in effect for the term of the contract.

The City Council reserves the right to waive any irregularities or informalities and further reserves the right to reject any or all bids.

- Purchasing Services Manager
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INSTRUCTIONS AND CONDITIONS

IMPORTANT
ALL BID ITEMS SHALL BE SUBMITTED ELECTRONICALLY VIA THE CITY’S BIDDING WEBSITE. BID PROPOSAL GUARANTY AND SUPPORTING DOCUMENTS MUST BE UPLOADED. BID PROPOSAL GUARANTY AND SUPPORTING DOCUMENTS NOT UPLOADED BEFORE THE HOUR INDICATED WILL BE REJECTED. IN THE EVENT THE BID SECURITY IS IN THE FORM OF A CASHIER’S CHECK, SAID CHECK SHALL BE DELIVERED TO PURCHASING SERVICES MANAGER AT 3900 MAIN STREET, RIVERSIDE, CA 92522 BEFORE THE BID EVENT TIME.

WE ARE PLEASED TO ISSUE THE ENCLOSED BID SPECIFICATIONS FOR YOUR CONSIDERATION

1. Bids will be rejected unless submitted electronically via the bidding website and all required items are accounted for.

2. The City of Riverside, Purchasing Division, will not honor any explanation or change in the bid documents unless a written addendum has been issued.

3. All bids must identify bidder’s firm name and be electronically submitted by a responsible officer or employee.

4. The City Council reserves the right to reject any and all proposals and to waive any informalities related thereto.

5. It is the intention of the City of Riverside to evaluate and make recommendation for award as indicated by the electronic bid; however, the City does reserve the right to increase or decrease quantities or to remove items before award to remain within the limitations of the availability of approved funds. The apparent low Bidder will be notified prior to recommendation for award if such adjustments are deemed necessary.

6. Our public bid openings occur online at www.riversideca.gov/bids and results are available instantly at the bid event time.

7. Prices quoted by the Bidder shall be exclusive of Federal Excise taxes pursuant to exemption of political subdivisions of a State by Federal Law.

8. Prices quoted by the Bidder shall mean total cost to the City, F.O.B. delivered to Riverside.

- Purchasing Services Manager
NOTICE INVITING BIDS
(Bid No. 7467)

SPECIAL PROVISIONS
STANDARD DRAWINGS
AND
PROPOSAL FORMS

To Accompany Plans X-346B, X-404A, X-447A, X-277A,
X-306B, X-480B, X-478A, S-1, Lime-RRFB

for

La Sierra Ave at Vista Terrace and Miscellaneous Signal Improvements

Issued By
PUBLIC WORKS DEPARTMENT

City of Riverside       April 11, 2017       State of California
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  California Department of Transportation Encroachment Permit (Permit No. 08-16-N-SI-1139)
  Best Management Practices for Typical Construction Activities
  Sample Public Notification Letter
  Notice of Potential Claim Form
  Traffic Control System for Lane Closure on Freeways and Expressways - Standard Plans T9 and T10

CONTRACT RELATED DOCUMENTS ......................................................................................................................... Attached
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PROPOSAL FORMS ....................................................................................................................................................... Attached
SPECIAL PROVISIONS

INTRODUCTION: The format of these Special Provisions follows that of the 2012 Edition of the "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" which is, by reference, included within the Contract Documents of this project. (See Section 2-5.1.1 herein.) These Special Provisions supplement, modify and take precedence over the Standard Specifications. The Standard Specifications are hereby amended and supplemented as follows:

PART 1
GENERAL PROVISIONS

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

1-2 TERMS AND DEFINITIONS

Agency/City or State
The City of Riverside.

Base Course
The layer(s) of pavement placed between the surface course and the subgrade.

Board
The City Council of the City of Riverside.

Director
Director of Public Works for the City of Riverside.

Engineer
The City Engineer or his designee

Inspector
The representative of the Engineer who is assigned to inspect conformance of the work in accordance with Plans and Specifications.

Overlay
A supplemental surface course placed on an existing pavement to improve its surface conformation or to increase its strength.

Private Engineer
(If applicable) The engineer who has prepared and has signed the Plans.

Right-of-Way
Includes City of Riverside Public Rights-of-Way and City of Riverside Public Easements.

Sewer Lateral
House Connection Sewer.
Standard Plans
City of Riverside Standard Drawings for Construction

Surface Course
The top layer of pavement designed to provide structural value and/or a surface resistant to traffic abrasion.

Traveled Way
That portion of the roadway reserved for the movement of vehicles for the general public, exclusive of shoulders and auxiliary lanes. Where traffic has been diverted or restricted to certain lanes, with the approval of the Engineer, these diversions or restricted lanes become the traveled way.

1-3 ABBREVIATIONS

<table>
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<tr>
<td>ARHM-GG</td>
<td>Asphalt Rubber Hot Mix- Gap Graded</td>
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<tr>
<td>DGAC</td>
<td>Dense Graded Asphalt Concrete</td>
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<tr>
<td>R &amp; R</td>
<td>Remove and Replace</td>
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The abbreviations shown on Standard Drawing No. 2 may also apply.

1-5 SYMBOLS

The symbols shown on Standard Drawing No. 1 may also apply.

SECTION 2
SCOPE AND CONTROL OF THE WORK

2-1 AWARD AND EXECUTION OF CONTRACT

2-1.1 Scope of Project. Project shall construct the following:

a. Rewire four (4) traffic signals
b. Remove and replace a Type 332 traffic signal cabinet foundation at one location
c. Install Flashing Yellow Left-turn improvements at two (2) traffic signal locations
d. Install a Rectangular Rapid Flashing Beacon System at one (1) uncontrolled intersection
e. Install a two-post sign on SR-91 near the eastbound University Ave Exit Ramp

2-1.2 Examination of Site of Work, Proposal Forms, Plans and Specifications. The bidder is required to carefully examine the site of work, Proposal Forms, Plans and Specifications for the work contemplated. The submission of a proposal shall be considered conclusive evidence that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality and quantities of work to be performed and materials to be furnished, and as to the requirements of all the Contract Documents.
2-1.2.1 Contractor Customer Service Standards. The Contractor shall at all times represent the City in a professional, friendly, efficient and cost-effective manner, and will be required to comply with the requirements of the enclosed City of Riverside Contractor Service Standards Acknowledgment, which is hereby made a part of these Special Provisions.

2-1.3 Addenda. Unless otherwise specified, any addenda issued during the time of bidding must be acknowledged and will be made part of the contract. An addendum may be acknowledged by signing its cover page and submitting the signed copy as a digital file with the rest of the response or by acknowledging via the bidding website. Failure to acknowledge an addendum using one of the allowable methods will automatically deem your bid non-responsive. Addenda notifications will be provided via email to those subscribed to the Planholders List.

2-1.4 Proposal Information and Submittal. All prospective bidders submitting a bid package must be subscribed to the Electronic Bidder’s List for that bid. If the bidder is not listed on the Electronic Bidder’s List by subscribing at www.riversideca.gov/bids then the bid package will be declared non-responsive and given no further consideration. All bid packages must be submitted via the bidding website. No company may submit on behalf of an unrelated entity.

All bid packages must be submitted electronically through the bidding website, there will be no exceptions. NO HARD COPY BIDS WILL BE ACCEPTED.

2-1.4.1 Proposal Forms and Submittal. Pricing and subcontractor information must be submitted electronically via the City’s bidding system. All required documents such as bid security shall be uploaded through the City’s website prior to bid event date and time as instructed in the Notice Inviting Bids. Scans of notarized bid bonds will be accepted, however when Purchasing requests an original, Bidders must furnish the original bid bond to the Purchasing department within a timely manner or risk being deemed non-responsive.

Please note that your bid response is required to be uploaded as described in our documentation. Once your file(s) have been uploaded and the Submission Status shows as “Submitted” your submission is complete. At that point you will receive an email confirmation from the bidding website congratulating you for successfully submitting and thanking you for your participation.

Interpretations/communications
Any questions, interpretations, or clarifications, either administrative or technical, about this Bid must be requested by electronic mail and delivered to Gilbert Hernandez, Project Manager, at ghernandez@riversideca.gov. All written questions will be answered by electronic mail and will be forwarded to Proposers identified as “Prospective Bidders” on the City’s website. The final day to submit questions shall be before 5:00 p.m. on April 17, 2017.

Any verbal communications will not be considered or responded to. Written communications should be submitted via e-mail to the address provided above. All questions received by the due date will be logged and reviewed and if required, a response will be provided via an addendum to the Bid that will be posted on the City’s website. Any and all such interpretations and any supplemental instructions will be in the form of electronic addenda e-mailed to prospective Bidders appearing on the Bidder’s List not later than three days prior to the date fixed for the opening of bids. Failure of any Bidder to receive any
such addendum or interpretation shall not relieve such Bidder from any obligation under his or her Bid as submitted. All addenda so issued shall become part of the Contract Documents.

**2-1.4.2 California Labor Code.** Contractor is aware of and stipulates that Contractor will also comply with the following sections of the California Labor Code:

a. Section 1775 prescribing sanctions for failure to pay prevailing wage rates;
b. Section 1776 requiring the making, keeping and disclosing of detailed payroll records and prescribing sanctions for failure to do so;
c. Section 1777.5 prescribing the terms and conditions for employing registered apprentices;
d. Section 1810 providing that eight hours of labor shall be a day’s work; and
e. Section 1813 prescribing sanctions for violations of the provisions concerning eight-hour work days and forty-hour work weeks.

f. No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

Registration can be accomplished through the DIR website by using this link: [http://www.dir.ca.gov/Public-Works/PublicWorks.html](http://www.dir.ca.gov/Public-Works/PublicWorks.html)

**2-1.5 Proposal Guaranty.** Prior to the proposal submission deadline, bidders must upload via the City’s bidding website a bidder’s bond executed by a corporate surety admitted to engage in such business in the State of California, with an A:7 rating, for an amount equal to at least ten percent of the amount of its proposal. The bid bond must be notarized and scans are acceptable for the purposes of online submittal but originals will be required when requested by Purchasing. No proposal shall be considered unless such proposal guaranty is received by the proposal submission deadline. Proposals submitted without a proposal guarantee shall be declared non-responsive and will not be further considered. The bidder shall have sole responsibility for the timely delivery of its proposal guarantee. If a bid bond will not be submitted, the City will accept a cashier's or certified check made payable to the City of Riverside—said check must be delivered to the Purchasing Services Manager (6th floor) at 3900 Main Street, Riverside CA 92522 prior to the submission deadline. Late checks will not be accepted.

**2-1.6 Withdrawal of Proposals.** Any proposal may be withdrawn prior to the hour and date set forth in the Notice Inviting Bids. The timely withdrawal of a proposal shall not prejudice the right of a bidder to file a revised proposal.

**2-1.7 Disqualification of Bidders.** More than one proposal from an individual, a firm or partnership, a corporation or an association under the same or different name will not be considered.

If there is a reason for believing that collusion exists among the bidders, none of the participants in such collusion will be considered in awarding the Contract. In order to comply with Public Contract
Code Section 7106 the Contractor shall certify to non-collusion when submitting the bid. The proposal provides this declaration, which must be completed and signed.

Proposals in which the prices are obviously unbalanced may be rejected. If the experience or financial background of the Contractor is inadequate or past performance has been unsatisfactory the proposal may be rejected.

2-1.7.1 Contractor's License. The work requires an "A" or a "C- 10" License.

Bidders must be properly licensed to perform the work of the project at the time they submit bid proposals in accordance with the provisions of Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Procedures of the California State Contractor's License Board and in good standing with the Board. Proof of such license shall be provided as required by Business and Professions Code Section 7031.5. Failure to be so licensed shall result in rejection of the proposal as non-responsive.

2-1.8 Rejection of Proposals. Proposals may be rejected if they show any alterations of form, additions not called for, conditional or alternative bids uncalled for, incomplete proposals, erasures, or irregularities of any kind; however, the City reserves the right to waive irregularities. The City also reserves the right to reject all proposals and shall not be liable for any expenses or costs incurred by bidders in preparing their proposals.

2-1.9 Award of Contract. The Contract, if awarded, will be to the lowest responsive and responsible bidder whose proposal complies with all the requirements prescribed. Such award, if made, will be within ninety (90) days after the opening of the proposals.

Prior to the award of the Contract, if requested, the Contractor shall submit to the City a financial statement and resume of previous work of a similar nature.

The Contract, if awarded, will be awarded to the Lowest Responsible Bidder. All Bids will be compared to each other and to the Engineer’s Estimate. The award of the Contract will be made by City Council at a scheduled meeting.

2-1.10 Execution of Contract Agreement. The Contract Agreement (a sample of which is attached to these Special Provisions) shall be signed by the successful bidder and returned, together with the Contract Bonds and insurance, within fifteen (15) calendar days from the date the City mails, or by other means delivers, the Contract Documents to the successful bidder. No Contract shall be binding upon the City until the Documents are fully executed by the Contractor and the City.

Failure to execute and return the Contract Agreement and acceptable bonds and insurance as provided herein within the above-specified time limit may be just cause for the City to rescind the award and forfeit the proposal guaranty.

2-1.11 Return of Proposal Guaranties. Within ten (10) days after the award of the Contract, the City Clerk will return all the proposal guaranties accompanying the proposals which are not to be further considered in making the award. All other proposal guaranties will be held until the Contract
Documents have been fully executed, after which all proposal guaranties, except those forfeited, will be returned to the respective bidders.

2-1.12 Bid Protest Procedures. Protestant may file a written protest with the City’s Purchasing Services Manager no more than five calendar days following the posting of bid results on the City’s website. The written protest must set forth, in detail, all grounds for the protest, including without limitation all facts, supporting documentation, legal authorities and arguments in support of the grounds for the protest. All factual contentions must be supported by competent, admissible and credible evidence. Any matters not set forth in the written protest shall be deemed waived. Any protest not conforming to this procedure shall be rejected as invalid.

The Purchasing Services Manager shall review the merits and timeliness of the protest and issue a written decision to the Protestant within 7 calendar days of receipt of the protest. The decision of the Purchasing Services Manager may be appealed to the Chief Financial Officer (“CFO”).

The Protestant may appeal the decision of the Purchasing Services Manager to the CFO by filing a letter of appeal within 10 calendar days of the date of the Purchasing Services Manager’s decision. The letter of appeal should be addressed to the CFO and shall set forth, in detail, all grounds for the appeal, including without limitation all facts, supporting documentation, legal authorities and arguments in support of the grounds for the appeal. All factual contentions must be supported by competent, admissible and credible evidence. Any matters not set forth in the letter of appeal shall be deemed waived. Any letter of appeal not conforming to this procedure shall be rejected as invalid.

The CFO shall review the merits and timeliness of the letter of appeal and issue a written decision to the Protestant within 14 calendar days of receipt of the letter of appeal. The decision of the CFO is final. However, this decision is reviewable under California Code of Civil Procedure Section 1094.5 et seq. The time in which judicial review of the decision must be sought shall be governed by California Code of Civil Procedure Section 1094.6 or as such section may be amended from time to time.

The Protestant may appeal the decision of the CFO to the appropriate federal agency in accordance with its established appeal procedures when the subject project is federally funded.

2-2 ASSIGNMENT

2-2.1 Contractor Indebtedness. Indebtedness incurred for any cause in connection with this work must be paid by the Contractor and the City is hereby relieved at all times from any indebtedness or claim other than payments under terms of the Contract. The Contractor will indemnify and hold harmless the City and its officers and employees from any loss, demand, damages, claims or actions arising from or in connection with said indebtedness.

2-3 SUBCONTRACTS

2-3.2 Self Performance.
There are no items designated as “Specialty Items” in this project.

2-3.4 Prompt Payment to Contractors.

The prime Contractor shall pay each subcontractor under the prime contract for satisfactory performance of its contract no later than Seven (7) days from the receipt of each payment the prime contractor receives from the City. The prime contractor agrees further to return retainage payments to each subcontractor within 30 days after the subcontractor’s work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the City.

2-4 CONTRACT BONDS

Performance and Payment Bonds are required. The amount of each Bond shall be 100% of the Contract Price. See Section 2-4 of the Standard Specifications for other details.

Listing of bonding companies in U.S. Department of Treasury Circular 570 is not required, but the corporate surety must be authorized to issue the bonds in the State of California with a policy holder's rating of A or higher and a Financial Class VII or larger. For information to bidders, attached to these Special Provisions are forms for Performance Bond and Payment Bond. These forms, in lieu of bonding company forms, must be used. The forms will be delivered to the Contractor with the Contract Agreement.

Each bond which is subscribed by an out-of-state bonding company shall contain the name, address and telephone number of an agent located in the State of California who is authorized to act for the bonding company.

2-5 PLANS AND SPECIFICATIONS

2-5.1.1 Standard Specifications. The work embraced herein shall be done in accordance with the provisions of the STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 Edition, written by Public Works Standards, Inc., insofar as the same may apply, which specifications are hereinafter referred to as the Standard Specifications, and as modified herein. Said Standard Specifications shall not apply to Section 314 (in Part 3), and Part 7 of these Special Provisions. The work performed under Section 314 (in Part 3), and Part 7 of these Special Provisions shall be done in accordance with the State Standard Specifications and the State Standard Plans.

Where reference is made to the “Standard Plans”, the City of Riverside “Standard Drawings for Construction” shall apply.

Where reference is made to the “State Standard Specifications”, the 2015 Edition of the State of California, Department of Transportation STANDARD SPECIFICATIONS shall apply. Where reference is made to the “State Standard Plans”, the State of California, Department of Transportation STANDARD PLANS dated 2015 shall apply.
2-5.3.2 Working Drawings. Working drawings, when required, need not be reproducible unless specified herein. A minimum of four copies shall be submitted for approval by the Engineer.

2-5.3.3 Shop Drawings. Shop drawings, when required, need not be reproducible unless specified herein. A minimum of four copies shall be submitted for approval by the Engineer.

2-8.1 Rights of Entry. Contractor shall secure a “duplicate” permit (Permit No. 08-16-N—SI-1139) from the State of California Department of Transportation (Caltrans) for the sign installation on SR-91. Contractor shall pay all applicable fees and shall be reimbursed up to $700 for the permit fees.

2-9 SURVEYING

2-9.2 Survey Service. The expense to the Contractor for the replacement of survey stakes shall be at the rate of $200 per hour including travel time.

The minimum notice to be given by the Contractor to the Engineer for scheduling construction staking is 4 working days. If more time is necessary, it will be determined during the preconstruction conference.

All grade sheets will be issued by the Engineer at Engineer's office at 3900 Main Street, Riverside, California.

The Contractor shall be responsible for preserving all survey monumentation during the construction phase. If any monumentation will be disturbed or destroyed due to the construction, it will be the Contractor's responsibility to notify the Engineer two working days in advance so that the monument(s) may be tied out and their original positions reestablished by the City Surveyor to perpetuate the controlling monumentation.

2-11 INSPECTION

2-11.1 Inspection Scheduling. Inspection will be provided based on regular eight-hour working days, Monday through Friday, excluding City holidays, generally from 7:00 AM to 3:30 PM (including 30 minutes for lunch). When the Contractor’s operations or public safety requires inspection beyond the regular eight-hour working days, the cost of the additional inspection shall be borne by the Contractor and shall be deducted from any payments due the Contractor.

If and when the Contractor wishes to perform any work which would require inspection beyond the regular eight-hour working days, the Contractor shall submit a written request to the Engineer no less than two working days before the planned start of such work.
2-11.2 **City Holidays.** City holidays will be observed on the following days and no work shall be completed by the Contractor unless prior written approval from the City Engineer:

- January 1st: New Years Day
- Third Monday in January: Martin Luther King Jr's Birthday
- Third Monday in February: President's Day
- Last Monday In May: Memorial Day
- July 4th: Independence Day
- First Monday in September: Labor Day
- Second Monday in October: Columbus Day
- November 11: Veteran's Day
- Fourth Thursday in November: Thanksgiving Day
- The day following Thanksgiving Day: Thanksgiving Day
- December 25: Christmas Day

If a holiday falls on a Saturday, it will be observed on the preceding Friday. If a holiday falls on a Sunday, it will be observed on the following Monday.

The Contractor shall provide Riverside Public Utilities Inspectors a minimum of two working days of notification for inspections.

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**SECTION 3**

**CHANGES IN WORK**

3-3 **EXTRA WORK**

3-3.2 **Payment.**

3-3.2.1 **General.** When the price for the extra work cannot be agreed upon, the City will pay for the extra work as provided in Subsections 3-3.2.2 and 3-3.2.3 as amended herein. The labor, materials and equipment used in the performance of such work shall be subject to the approval of the Engineer.

3-3.2.2 **Basis for Establishing Costs.**

(a) Labor. The Contractor will be paid the cost of labor for the workers (including foremen when authorized by the Engineer) used in the actual and direct performance of the work. The cost of labor, whether the employer is the Contractor, subcontractor, or other forces, will be based upon the actual paid wages plus a labor surcharge as specified herein.

Labor Surcharge - To the actual wages, as defined above, will be added a labor surcharge as set forth in the California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" which is in effect on the date the work is
performed. At the printing of these Special Provisions, the labor surcharge is **11%** for straight time and **11%** for overtime work.

(b) **Materials.** Not amended.

(c) **Tool and Equipment Rental.** The Contractor will be paid for the use of equipment at the rental rates listed for such equipment in the Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" which is in effect on the date upon which the work is performed. These rental rates shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance, and all incidentals. Move in and out or minimum charges, other than the hourly rate, shall not apply to equipment available from the work force already on the job site.

When owner-operated equipment is used to perform extra work to be paid for on a force account basis, the Contractor will be paid for the equipment and operator, as follows:

Payment for the equipment will be made at the rental rates listed for such equipment in the Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" which is in effect on the date upon which the work is performed.

Payment for the cost of labor will be made at the rates paid by the Contractor to other workers operating similar equipment already on the project or, in the absence of such other workers, at the rates for such labor established by collective bargaining agreements for the type of workers and location of the work, whether or not the owner-operator is actually covered by such an agreement.

Copies of the "Labor Surcharge and Equipment Rental Rates" publication are available online at:

http://www.dot.ca.gov/hq/construc/equipmnt.html

(d) **Other Items.** Not amended.

(e) **Invoices.** Submission of an invoice under this sub-section (e) does not entitle contractor to any additional compensation beyond that set forth in the Labor Surcharge and Equipment Rental Rates in effect on the date the work is performed.

**3-3.2.3 Markup.**

(a) **Work by Contractor.** A markup of 15 percent shall be added to the Contractor’s costs for labor, materials, and equipment rentals and shall constitute the markup for all overhead and profits. In addition to this markup, 1 percent shall be added to the Contractor’s costs as compensation for bonding.

(b) **Work by Subcontractor.** When any of the extra work is performed by a Subcontractor, the markup established in 3-3.2.3(a) of these Special Provisions shall be applied to the Subcontractor’s costs as determined under 3-3.2.2. An additional 3 percent markup shall be added to the final Subcontractor’s cost, which constitutes reimbursement for all the Contractor’s administrative costs, including overhead.
3-3.1 Daily Reports for Extra Work. The daily report specified in Section 3-3.3 of the Standard Specifications shall include only that work which is included in the Contractor’s claim for extra work.

3-4 CHANGED CONDITIONS. Section 7104 of the Public Contract Code requires the following provisions for any project, which involves digging trenches or other excavations that extend deeper than four feet below the surface. These following provisions are hereby extended to apply to all public works projects:

a) The Contractor shall promptly, and before the following conditions are disturbed, notify the Engineer, in writing, of any:

1. Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, and that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of law;

2. Subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids; and

3. Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

b) In response to the Contractor’s written notice, the Engineer shall promptly investigate the conditions, and if the Engineer finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the work shall issue a change order under the procedures described in the Contract.

c) In the event that a dispute arises between the Engineer and the Contractor, whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the Contract, but shall proceed with all work to be performed under the Contract. The Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

3-5 DISPUTED WORK

In any case where the Contractor believes extra compensation is due the Contractor for work or materials not clearly covered in the Contract, or not ordered by the Director as “extra work”, the Contractor shall notify the Director in writing of the Contractor's intention to make claim for such extra compensation before the Contractor begins the work on which Contractor bases the claim. If such notification is not given, or the Director is not afforded proper facilities by the Contractor for keeping strict account of actual cost, then the Contractor shall be deemed to have waived the claims for such extra compensation. Such notice by the Contractor, and the fact that the Director has kept account of the cost as aforesaid, shall not in any way be construed as proving the validity of the claim. The validity of
the claim must be determined by the Director. If the Director determines that the claim is well founded, it shall be allowed and paid for as “extra work”; if the Director determines that the claim is not well founded, it shall be disallowed and not paid.

3-6 UNAUTHORIZED WORK

Work done beyond the lines and grades shown on the Plans, work done in the absence or without the knowledge of the Director or any alleged extra work done without the City's written authorization, will be considered as unauthorized and at the expense of the Contractor and will not be measured or paid for by the City. The Contractor may be required to remove such unauthorized work at no expense to the City, as determined by the Director.

3-7 DISPUTE RESOLUTION PROCEDURES

3-7.1 Notice of Potential Claim

The Contractor shall not be entitled to the payment of any additional compensation or extension of time unless the Contractor has given the Engineer a written Notice of Potential Claim as required herein. Compliance with this Section 3-7 shall not be a prerequisite as to matters within the scope of the protest provisions in Section 6-7, "Time of Completion," or the notice provisions in Section 3-4, "Changed Conditions," nor to any claim which is based on differences in measurements or errors of computation as to Contract quantities.

Contractor shall submit the written Notice of Potential Claim to the Engineer prior to the time that the Contractor performs the work giving rise to the potential claim for additional compensation and/or time.

Contractor’s written Notice of Potential Claim shall be submitted on the appropriate form furnished by the City, and shall be certified with reference to the California False Claims Act, Government Code Sections 12650 - 12655. A copy of the Notice of Potential Claim form is contained in these Special Provisions. The notice shall set forth the justification for the additional compensation, as well as a breakdown of the estimated costs. Within 15 calendar days of completing the affected work, the Contractor shall submit substantiation of the Contractor's actual costs. Failure to do so shall be sufficient cause for denial of any claim subsequently filed on the basis of the Notice of Potential Claim.

The intention of this section is to bring differences between the parties to the attention of the Engineer as early as possible, in order to expedite resolution. Contractor waives its right to any additional compensation and/or extension of time for any claim not submitted in accordance with this section.

Upon request by City, Contractor shall make available for inspection and copying, any and all documents or records in Contractor’s possession which pertain to the potential claim.

3-7.2 Claim Dispute Resolution

If after other dispute resolution procedures provided herein have not resolved a disputed claim or potential claim, the procedures set out in Public Contract Code section 9204 as summarized below shall
Contractor, either on Contractor’s own behalf or on behalf of a subcontractor shall file a Claim for: (a) a time extension, including, without limitation, for relief from damages or penalties for delay assessed by the City; (b) payment by the City of money or damages arising from the work done by, or on behalf of, the Contractor pursuant to the contract and payment for which is not otherwise expressly provided for or to which the Contractor is not otherwise entitled; and (c) payment of an amount that is disputed by the City.

Claims shall be submitted to the Engineer in writing via registered or certified mail with return receipt requested and must be accompanied by reasonable documentation supporting the claim. Upon receipt of the claim, the City will conduct a reasonable review and will provide the contractor with a written statement identifying the disputed and undisputed portions of the claim within 45 days of receipt of the claim. Undisputed amounts will be paid within 60 days of the written statement.

If Contractor desires to dispute the City’s written response, or if a written response is not provided, Contractor may request an informal conference to meet and confer for settlement of the disputed issues. The request for an informal conference must be submitted to the Engineer in writing via registered or certified mail return receipt requested. The informal conference will be scheduled within 30 days Contractor’s written request.

Within 10 days after the informal conference, the City shall provide the contractor with a written statement identifying the portions of the claim that remain in dispute. Any disputed portion of the claim, as identified by Contractor in writing, shall be submitted to nonbinding mediation. The costs of the mediation shall be shared evenly by the City and Contractor. The City and Contractor shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing to the City. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate the disputed claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator.

If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

If the City fails to respond to a Claim from Contractor within the time periods described above or otherwise does not meet the time requirements above, the Claim shall be deemed rejected in its entirety. A Claim that is denied for this reason shall not constitute an adverse finding with regard to the merits of the Claim or responsibility or qualifications of Contractor.

Undisputed amounts not paid by the City within the time periods described above shall bear interest at seven (7) percent per annum. This provision does not relieve Contractor of the requirement to present a statutory claim in accordance with California Government Code sections 905 and 910, and Public Contract Code section 20104, except that claims mediated as provided above are excused from further obligations under Public Contract Code section 20104.4 to mediate after litigation has been commenced.
SECTION 4
CONTROL OF MATERIALS

4-1 MATERIALS AND WORKMANSHIP

4-1.1 General.

4-1.1.1 Suppliers Sources. The Contractor shall notify the Engineer in writing within 5 days after City approval of the Contract of the proposed suppliers and sources for material to be incorporated into the project.

4-1.4.1 Materials and Conditions to be Tested. The Contractor shall be responsible for controlling the quality of the material entering the work and of the work performed, and shall perform testing as necessary to ensure control. The test methods used for quality control testing shall be as determined by the Contractor. The results of the testing shall be made available to the Engineer upon request. These tests are for the Contractor’s use in controlling the work and will not be accepted for use as acceptance tests.

Full compensation for performing quality control tests and making the results available to the Engineer shall be considered as included in the contract prices paid for the various items of work involved and no additional compensation will be allowed therefor.

The City may perform quality assurance testing at the discretion of the Engineer. The Contractor shall provide reasonable access and time to the Engineer to perform quality assurance testing. The cost of retesting any portion of the work or materials, which have failed the initial quality assurance test taken by the City, shall be borne by the Contractor.

4-1.6 Trade Names or Equal. The Contractor may offer any material, process, or equipment considered to be equivalent to that indicated in the Contract Documents. The substantiation of offers shall be submitted prior to award of Contract.

After bid opening, Bidders being further considered shall submit all substitution proposals fully documented for consideration by the Engineer within five (5) working days after bid opening. Submittal of substitution proposals more than five (5) working days after bid opening may be grounds for rejection of the proposal on the basis of late submission, at the discretion of the Engineer. Bidders being further considered shall also submit catalog cuts and specification information on the materials and/or equipment as specified for the Contract. Documentation shall be sufficient to allow for a thorough comparative check of the proposed substitution versus the specified item. It shall be the Bidder's responsibility to show all products proposed for substitution are equal to the items specified.

Proposed substitutions will not be evaluated until after award of Contract. Award of the Contract and Bidders' bids are to be based on items as specified. Within thirty-five (35) calendar days following contract award, City will evaluate the proposed substitutions and shall advise Contractor whether such substitution is approved or not.
SECTION 5
UTILITIES

5-1 LOCATION

5-1.1 Utility Marking/Coordination. The Public Works Department will not issue a construction permit as referenced in Section 7-5.1 of these Special Provisions for any work involving excavation for underground facilities unless the applicant has been provided an inquiry identification number by Underground Service Alert of Southern California.

The Contractor shall tie-out the location of any utility facility with a minimum of two reference points prior to paving and shall mark its location on the street with paint after paving. Payment for tie-out work shall be included in the unit prices for paving.

SECTION 6
PROSECUTION, PROGRESS AND ACCEPTANCE OF THE WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK

6-1.1.1 Construction Schedule. The Contractor shall submit a construction schedule to the Engineer at the preconstruction conference. The construction schedule shall indicate the following:

a. Proposed schedule for potholing near/at the proposed traffic signal foundations. The work day(s) for potholing shall not count toward the Contract Time as indicated on Section 6-7.1.1 and is required prior to ordering the traffic signal poles.

b. Proposed schedule to order and secure materials including traffic signal shafts and mast arms.

c. Proposed schedule to commence and complete the project. The schedule shall take into account holidays and Specified Contract Time as indicated in Section 6-7.1.1.

During the construction the Contractor shall review and update the schedule weekly. Rescheduling any work under this Contract shall not be permitted to allow the Contractor the ability to accommodate another contract, even with the City.

6-3 SUSPENSION OF THE WORK

6-3.3 Stage III Smog Episode. No work shall be done on a day for which a Stage III smog episode is forecast as defined by the Air Quality Management District (AQMD). The Contractor will not be entitled to any delay damages for such a suspension, but an automatic time extension will be granted. When AQMD predicts that a Stage III episode level will be reached the following day, an announcement containing the specifics will generally be provided by 2 p.m. on the day the prediction is made.

6-7 TIME OF COMPLETION

6-7.1.1 Specified Contract Time. The Contractor shall complete the work within thirty (30) working days after the commencement date specified in the Notice to Proceed.
6-8 COMPLETION, ACCEPTANCE, AND WARRANTY

When, in the judgment of the Public Works Director, the work has been completed in accordance with the Plans and Specifications and is ready for final acceptance, the Director may accept the work as complete. Upon acceptance of the work, the Director will notify the City Clerk and the City Attorney of the completion thereof, and the City Clerk will file a Notice of Completion with the County Recorder. The date of the Director's acceptance of the work will be the date when the Contractor is relieved from responsibility to protect and maintain the work. The warranty period of the Work shall commence on the date the Notice of Completion is filed with the County Recorder.

6-9 LIQUIDATED DAMAGES. The following Liquidated Damages are applicable to the completion of this project. All liquidated damages indicated shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur:

1. Liquidated damages shall be assessed in the amount of $500 per calendar day that exceeds the number of working days designated for this Contract under Section 6-7, Time of Completion.

SECTION 7
RESPONSIBILITIES OF THE CONTRACTOR

7-2 LABOR

7-2.2.1 Prevailing Wages/Certified Payrolls. A schedule of prevailing wage rates as published by the California Department of Industrial Relations for the types of work to be done under these Special Provisions is on file in the office of the City Clerk, City Hall, 3900 Main Street, Riverside, which schedule is open for inspection to any interested party on request. The Contractor and all subcontractors shall pay not less than these rates. The Contractor shall submit weekly certified payrolls of all workers employed on this project.

If the Contractor has not submitted satisfactory payrolls for the period during which the work included in the Contractor’s payment request was performed, the City will retain an amount equal to 10 percent of the estimated value of the work performed (exclusive of Mobilization) from that payment. This retention shall not exceed $10,000 nor be less than $1,000. Retentions for failure to submit satisfactory payrolls shall be additional to all other retentions provided for in the contract. The retention for failure to submit payrolls for any work period will be released for payment only after all the satisfactory payrolls for which the retention was made are submitted. Payment of the retention will be made on the next monthly payment due the contractor after the satisfactory payrolls are received by the City.

The possibility of wage increases is one of the elements to be considered by the Contractor in determining Contractor's bid. No additional compensations will be made for any increases in prevailing wage rates in excess of those set forth in the Contract. However, if the job is prolonged as a result of construction change order(s) or delayed by the City beyond the specified days in the Time of
Completion, reimbursements may be made for increases in prevailing wage rates, but only for the working days beyond that stipulated in Section 6-7.

7-3 LIABILITY INSURANCE

7-3.1 Insurance Requirements.

a. Secure and Maintain Insurance. Prior to City’s execution of the Agreement, Contractor shall secure, and shall thereafter maintain without lapse of coverage until completion of the Contract, such commercial general, automobile, and professional liability insurance as shall protect Contractor from claims for damages for personal injury, including accidental death, as well as from claims for property damage which may arise from or which may concern operations under the Contract, whether such operations be by or on behalf of Contractor, any Subcontractor or anyone directly or indirectly employed by, connected with or acting for or on behalf of any of them.

b. Provide Certificates of Insurance. Prior to the City’s execution of the Agreement, Contractor shall submit an original certificate of insurance to the Public Works Department verifying the General Commercial Liability and Automobile Liability insurance in the required limits with the required provisions as stated below.

c. Provide Additional Insured Endorsement. Prior to the City’s execution of the Agreement, Contractor shall submit an Additional Insured Endorsement to the Public Works Department. Contractor must use the attached Additional Insured Endorsement form provided by the City, or one that is substantially similar to and approved by the City Attorney [i.e. ISO CG 2010 (11/85)].

7-3.2 Proper Insurance Company. All liability insurance shall be issued by an insurance company or companies authorized to transact liability insurance business in the State of California with a policy holder's rating of A or higher and a Financial Class VII or larger.

7-3.3 Coverage. Coverage shall be at least as broad as the following:

a. Commercial General Liability. Insurance Services Office Commercial General Liability Coverage (occurrence Form CG 0001). This coverage shall include:

   i. Manufacturers and Contractors liability,
   ii. Broad form property damage in any case where the Contractor has any property belonging to the City in the Contractor’s care, custody, or control,
   iii. Owners and Contractors’ protective liability,
   iv. Blanket contractual liability,
   v. Products and completed operations coverage, and
   vi. Coverage for collapse, explosion, and excavation.
b. **Automobile Liability.** Insurance Services Office Automobile Liability Coverage (Form CA 0001), covering Symbol 1 (any auto). This coverage shall include:

i. Coverage for owned, non-owned, and hired automobiles

### 7-3.4 Limits

The Contractor shall maintain limits no less than the following:

a. **Commercial General Liability.** One million dollars ($1,000,000) per occurrence and two million dollars ($2,000,000) aggregate for bodily injury (including death), personal injury and property damage, unless otherwise authorized by the City’s Risk Manager, or his designee.

If Commercial General Liability insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the work (with the ISO CG 2503, or ISO CG 2504, or insurer’s equivalent endorsement provided by the City) or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.

b. **Automobile Liability.** One million dollars ($1,000,000) per occurrence for bodily injury (including death), and property damage for each accident/incident, unless otherwise authorized by the City’s Risk Manager, or his designee.

c. **No Limitation on Indemnification.** These minimum amounts of coverage shall not constitute any limitation or cap on Contractor’s indemnification obligation.

d. **Builder’s Risk/Installation Floater Insurance.** During the term of this contract, Contractor shall maintain in force, at its own expense, Installation Floater insurance covering contractor's labor, materials and equipment to be installed for completion of the work performed under this contract. Coverage shall be against all risks of direct physical loss including theft, but excluding earthquake and flood. The policy is to include The City of Riverside as loss payee. Coverage is to include materials while at the contractor's yard location, in transit, at any temporary storage location, and while at the jobsite during installation. The limit of insurance shall be equal to the full amount of the contract. The deductible shall not be more than $10,000 per occurrence. Coverage shall be with a carrier that has an AM Best financial rating of A or higher and a Financial Class of VII or larger.

### 7-3.5 Required Provisions.

a. Policies shall include premises/operations, products, completed operations, independent contractors, owners and contractors’ protection, explosion, collapse, underground hazard, broad form contractual, personal injury with employment exclusion deleted, and broad form property damage.
b. The policy shall be endorsed to waive any right of subrogation against the City, and its Subconsultants, employees, officers, agents and directors for work performed under this Contract.

c. The policy shall specify that the insurance provided by Contractor will be considered primary and not contributory to any other insurance available to the City of Riverside.

d. The policy shall include the following provision:

   “Solely as respects WORK done by and on behalf of the named insured for the City of Riverside, it is agreed that the City of Riverside and its officers, employees and agents are added as additional insured under this policy.”

e. If policies are written on a claims made basis, the certificate should so specify and the policy must continue in force for one year after completion of the project. The retroactive date of the coverage must also be listed.

g. This project includes work on facilities owned by the State of California Department of Transportation (Caltrans). The Contractor shall add the State of California as an additional insured under this policy. The insurance requirements shall meet the requirements specified in the attached Caltrans Encroachment Permit.

7-3.6 Expiration, Cancellation or Material Change. The policies shall not be canceled unless thirty (30) days prior written notification of intended expiration, cancellation or material change has been given to the City of Riverside by certified or registered mail.

7-3.7 Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be declared to and approved by the City of Riverside. The City reserves the right to either approve, reduce, or eliminate such deductibles or self-insured retentions.

7-4 WORKERS’ COMPENSATION / EMPLOYER’S LIABILITY INSURANCE

7-4.1 General. The Contractor and all subcontractors shall insure (or be self-insured), under the applicable laws relating to workers’ compensation insurance, all of their employees performing the work, in accordance with the “Workers’ Compensation and Insurance Act”, Division IV of the Labor Code of the State of California and any Acts amending thereof.

7-4.2 Insurance Requirements.

a. Secure and Maintain Insurance. Prior to City’s execution of the Agreement, Contractor shall secure, and shall thereafter maintain without lapse of coverage until completion of the Contract such workers’ compensation and/or employer’s liability insurance.

b. Provide Certificates of Insurance. Prior to the City’s execution of the Agreement, Contractor shall submit an original certificate of insurance, or self-insurance, to the Public Works Department verifying that Workers’ Compensation insurance is in effect in
the required limits with the required provisions as stated below, or that Contractor is self-insured for such coverage.

If Contractor has no employees, a certified statement to that effect shall be submitted to the Public Works Department, acknowledging that if Contractor does employ any person a certificate of insurance shall be submitted as provided in this section.

c. **Workers’ Compensation Certification.** Contractor shall comply with Labor Code Section 1861 by signing and filing the Workers’ Compensation Certification, contained in the Contract Documents, with the City Attorney.

**7-4.3 Proper Insurance Company.** All worker’s compensation/employer’s liability insurance shall be issued by an insurance company or companies authorized to transact insurance business in the State of California with a policy holder's rating of A or higher and a Financial Class VII or larger.

**7-4.4 Limits.** Statutory limits are required for Workers’ Compensation. Employer’s Liability shall be no less than one million dollars ($1,000,000).

**7-4.5 Required Provisions.**

a. The policy shall be endorsed to waive any right of subrogation against the City, and its Subconsultants, employees, officers, agents and directors for work performed under this Contract.

**7-4.6 Expiration, Cancellation or Material Change.** The policy shall not be canceled unless ten (10) days prior written notification of intended expiration, cancellation or material change has been given to the City of Riverside by certified or registered mail.

**7-5 PERMITS**

**7-5.1 City Construction Permit.** No work shall be started within the street right-of-way or on City property until the Contractor has obtained a construction permit from the Public Works Department.

The City has obtained a permit from the State of California, Department of Transportation (Caltrans), for construction within the State right of way. A copy of the permit is attached to these Special Provisions. The Contractor shall comply with all the provisions set forth in the permit. The Contractor shall also obtain a “duplicate” permit for construction within the State right of way from Caltrans before start of construction. The City will pay the cost for obtaining the “duplicate” permit. However, the Contractor shall bear the cost of processing the permit and complying with all its requirements.

**7-5.2 Local Licenses.** The Contractor shall obtain and pay for all licenses necessitated by the Contractor's operations. Prior to starting any work, the Contractor shall be required to have a City of Riverside Business Tax Registration valid for the life of the Contract; subcontractors shall also have Business Tax Registrations valid for the time they are engaged in the work
7-6 THE CONTRACTOR'S REPRESENTATIVE

The superintendent is required to attend the Preconstruction Conference.

The City may suspend the work if a superintendent is not present during construction.

The superintendent will be required to meet with the Engineer on a daily basis. The purpose of these daily meetings is to ensure adequate coordination and discussion between the Engineer and Contractor during construction. Arrangements for the daily meeting will be discussed at the Preconstruction Conference.

The Superintendent shall meet with the Engineer within forty-five (45) minutes of notification of the superintendent or superintendent's office.

7-8 WORK SITE MAINTENANCE

7-8.1.1 General. The generation of dust shall be controlled as required by the Air Quality Management District. Grading activities shall cease during periods of high winds (greater than 25 MPH). Trucks hauling soil, dirt, sand or other emissive materials shall have their loads covered with a tarp or other protective cover as determined by the Engineer.

7-8.4.2 Storage in Public Streets and Right-of-Way. Construction equipment and materials shall not be stored in public streets and right-of-way. If the Contractor does not adhere to this requirement, the Contractor shall be subject to liquidated damages as described in Section 6-9 of these Special Provisions.

Excavated material, except that which is to be used as backfill in the adjacent trench, shall not be stored in public streets and right-of-way unless otherwise specified in these Special provisions or approved by the Engineer. Immediately after placing backfill, all excess material shall be moved from the Work site.

7-8.4.3 Storage of Equipment and Material on Private Property. If the Contractor wishes to use private property as a Construction Yard, then prior to any staging, storing, or parking of any Contract equipment and/or materials on said private property, the Contractor shall comply with the following requirements:

a. The Contractor must provide the Engineer a site map for review indicating the proposed location of the Construction Yard;

b. The location of the Construction Yard must be approved by the Engineer and written approval must be provided to the Contractor by the Engineer;

c. The Contractor shall submit to the Engineer a copy of the written agreement with the legal owner of the affected property to be used as a Construction Yard;

d. Within the Construction Yard itself, the Contractor must comply with the Best Management Practices for storm water protection as required by the Contract documents and current
Public Works Standard Drawings for construction.
e. The Contractor shall also not deliver or remove any equipment or material outside the Contract construction hours specified. If the Contractor does not adhere to this requirement, the Contractor shall be subject to liquidated damages as described in Section 6-9 of these Special Provisions.

7-8.6 Water Pollution Control.

7-8.6.2.1 Best Management Practices. The Contractor must follow and implement the Best Management Practices (BMPs) required by the attachment to these Special Provisions titled "Best Management Practices for Typical Construction Activities".

Contractor shall provide copies of certification that the superintendent or foreman has attended a Stormwater Pollution Prevention course within the last 12 months. Any work requiring the placement of BMP’s shall not begin until this certification is provided to the Engineer.

Failure to comply with the Permit, or failure to complete, implement or maintain the SWPPP within the time periods specified in Section 7.8.6 of these Special Provisions may be grounds to suspend work.

7-8.7.1 Drainage Control. Special attention is directed to possible flood hazards, and/or nuisance water such as irrigation and other runoff. The Contractor shall be responsible for all injuries or damages to any portion of the work and/or any private or public property occasioned by these causes and shall make good such injuries or damages at no cost to the City prior to the completion and acceptance of the work.

7-10 PUBLIC CONVENIENCE AND SAFETY

7-10.1 Access. The Contractor shall provide traffic control and schedule the construction work based on the following criteria and constraints:

1. No reduction of the traveled way width shall be permitted before 8:30 a.m. nor after 3:30 p.m. on any street unless prior approval in writing is obtained from the Director of Public Works. During operations that require lane reduction, the Contractor shall provide and maintain two twelve-foot-wide lanes to provide one thru lane in each direction at all times. The Contractor shall also not store construction equipment within any public streets and right of way outside the previously specified hours. The Contractor shall also not deliver/remove any equipment or material to/from the Construction Yard or work area outside the previously specified hours. Failure of the Contractor to maintain these requirements will result in damages sustained by the City and assessed as described in Section 6-9 of these Special Provisions.

2. Access to all properties shall be maintained at all times and not impact their daily operations. If necessary, the Contractor shall construct driveways in phases or in a manner to ensure no disruption to accessibility, including installing steel plating if necessary.
3. The Contractor shall provide the City evidence of a date certain in which the signal poles and rectangular rapid flashing beacon (RRFB) system will be delivered to the project site. The poles shall be delivered to the project site no later than 14 weeks after the execution of the Contract Agreement.

4. The Contractor shall provide and maintain traffic control during all construction activities in accordance with the Work Area Traffic Control Manual Handbook (WATCH). If the Contractor cannot provide and maintain traffic control as required, then the Engineer may direct the Contractor to provide, maintain, and update a full traffic control plan, with no additional compensation, as described in Section 7-10.2.2 of these Special Provisions.

5. The Contractor shall provide traffic control for the protection of the City survey crew while providing construction staking services within grading areas for the project.

7-10.1.1.2 Pedestrian Access. The Contractor shall provide and maintain a minimum 5-foot-wide path for pedestrian traffic through the construction site. If a path through the construction site and within street right of way is not possible, the Contractor shall lay out and maintain a safe and direct pedestrian path around the construction site within the public right of way. The pedestrian path shall be approved by the Engineer.

7-10.2.2 Traffic Control Plan (TCP).

7-10.2.2.1 General. If required by the Caltrans for the sign installation on SR-91, the Contractor shall prepare and maintain a traffic control plan. The plan shall be prepared, stamped and signed by either a licensed Traffic Engineer or a Civil Engineer. The preparation of the plan shall be in accordance with the latest edition of the California Manual on Uniform Traffic Control Devices (CA MUTCD) and the State Standard Specifications. The plan(s) shall be to scale, typically 1”=40’ or 1”=50’ and shall follow Caltrans Plan Preparation Manual, latest edition. The plan shall reflect existing signing and striping, curbs, lane widths, raised medians, etc. The Contractor, at the pre-construction meeting, shall submit two full size bond plan sets for review. Work shall not commence without an approved traffic control plan.

7-10.2.2.2 Payment. Payment for “Traffic Control and Access” shall be made at the Contract lump sum price and shall include, but not be limited to, the preparation of the engineered traffic control plan, printing, maintenance and required updates of the traffic control plan along with the installation, maintenance, and removal of all required traffic control items, including all signing, posting, lane delineation, message boards, barriers, trench plates and flaggers required to complete the project. Payment shall also include the cost to furnish and install any item as described in Section 7.-10.1 through 7-10.2.2.1 of these Special Provisions unless specifically included in a separate bid item.

7-10.2.3 Street Closures, Detours, Barricades. For convenience to the Contractor to comply with the other provisions of this section, the following telephone numbers are listed:

Police Department .................................................................(951) 826-5700
Fire Department .....................................................................(951) 826-5321
Traffic Engineering Division ....................................................(951) 826-5366
Traffic Signal Maintenance ..................................................(951) 351-6096
Street Light Repair ............................................................(951) 351-6005
City Electric, Water (After hours) .......................................(951) 687-0791
American Medical Response Ambulance Service .............(951) 684-5520
RTA.................................................................(951) 684-0850
Street Superintendent ......................................................(951) 351-6127
Riverside Schools............................................................(951) 788-7134
Alvord Schools...............................................................(951) 351-9325
Special Services Transportation .......................................(951) 687-8080
AT&T (Emergency) ..........................................................(951) 811-2121
Gas Company (Emergency) .............................................. 800-427-2200
Gage Canal Office ...........................................................(951) 780-1333
Verizon Wireless (24-7 Repairs) ...................................... 800-483-2000
Sherman Indian High School .............................................(951) 276-6325

The Contractor is not relieved of the responsibility of notifying the various departments and agencies, if these telephone numbers are changed.

The Contractor will not be permitted to close any road without prior written permission from the Public Works Director. The Contractor will be required to submit for approval a "Road Closure and Traffic Control Plan" that has been prepared by either a licensed Traffic or Civil Engineer. If a full closure is required, submittal of the plan shall be at least five (5) working days prior to the start of work. Partial traffic control plan shall be submitted at least two (2) working days prior to the start of work. The plan shall indicate the location and type of signs and barricades to be utilized. The adequacy of the signing shall be determined by the Engineer. Prior to preparation of the Plan, the Contractor is advised to discuss the proposed Plan with the Engineer. If the Contractor closes a street without written approval liquidated damages shall be assessed as described per Section 6-9 of these Special Provisions.

No work (except for emergencies) that requires lane closures shall be allowed on the day before a City Holiday unless specifically approved by the Public Works Director in advance.

The Contractor shall notify the Inspector 48 hours prior to any change in the approved Traffic Control Plan. In case of a full closure, the Contractor shall provide barricades and reflectorized "Road Closed to Through Traffic" signs at the intersections immediately in advance of all such closures at all such closures, at entrances to the closures, and at all detour route signing. Detour signs shall be posted on wood or metal posts. Signs shall not be posted on any tree, utility pole or traffic signs.

Construction signs, barricades, and their applications shall conform with the most current issues of the State of California Business and Transportation Agency, Department of Transportation, Division of Operations "Uniform Sign Chart" and the "Manual of Traffic Controls" for Construction and Maintenance Work Zones.

7-10.4.6 Public Safety During Non-Working Hours. Public safety at or in the affected vicinity of the jobsite is the Contractor's responsibility at all times. If, in the absence of the Contractor,
the Engineer determines that an unsafe condition exists at or in the affected vicinity of the jobsite, the Engineer will endeavor to notify the Contractor to correct the unsafe condition. However, the Engineer reserves the right to direct City forces to perform any functions Engineer may deem necessary to ensure public safety. If such procedure is implemented the Contractor will bear all expenses incurred by the City. In all cases the judgment of the Engineer shall be final in determining whether or not an unsafe situation exists.

**7-10.6 Public Notification of Construction.** The construction schedule required under Section 6-1.1 of these Special Provisions shall allow ample "on-street" parking for affected people, within a reasonable distance, 500-ft, from their homes and businesses. Requests for changes to the schedule shall be submitted by the Contractor to the Engineer at least 48 hours prior to the scheduled operation to be changed.

The Contractor shall provide a construction advisory letter, subject to the approval of the City Engineer, to all affected residences and businesses adjacent to the work site a minimum of 7 days and maximum of 14 days prior to construction in each area of the project (see sample letter included in Part 10 of these Special Provisions). The letter shall indicate the duration of the proposed construction and state if alternate parking arrangements will be necessary. Projects that have multiple locations shall have a separate letter for each location and distribution for each area shall be 7 to 14 days prior to construction beginning in the area. The City Inspector shall be notified 48 hours in advance of letter distribution and shall be on site during distribution of letter (Letters shall not be placed in mailboxes).

In addition, the Contractor shall provide another construction advisory letter, subject to the approval of the Engineer, to all affected residences and businesses adjacent to the work site a minimum of 48 hours prior to construction on each street. The letter shall indicate the duration of the proposed construction and also state if alternate parking arrangements will be necessary.

"Temporary No Parking Signs" shall be posted for a continuous 48 hour period in advance of the work. These signs shall read “Temporary Tow-Away Zone, No Parking, RMC 10.12.080(b), (c); CVC 22651 (l), (n)". A sample will be provided at the Preconstruction Conference. The signs shall be placed no more than 100 feet apart on each side of the street and at shorter intervals if conditions warrant. The Contractor shall provide the signs and will be responsible for adding the dates and hours of closure to the signs. All signs shall be removed within 24 hours after the effective date. If the date of closure is changed, the Contractor will be responsible for reposting the signs in accordance with the above requirements.

**SECTION 8**

**FACILITIES FOR AGENCY PERSONNEL**

**8-1 GENERAL**

Facilities for City personnel will not be required.
SECTION 9
MEASUREMENT AND PAYMENT

9-2 LUMP SUM WORK

9-2.1 Payment Schedule. The Contractor shall submit a payment schedule for all lump sum bid items. The schedule shall be submitted in accordance with Section 9-2 of the Standard Specifications.

9-3 PAYMENT

9-3.1.1 Payment. Payment for the Various items of the Bid Sheets, as further specified herein shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals appurtenant to the items of work being described, as necessary to complete the various items of work specified and shown on the drawings, including all appurtenances thereto, and including all costs of compliance with the regulations of public agencies having jurisdiction, including Safety and Health requirements of the California Division of Industrial Safety and the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA). No separate payment will be made for any item that is not specifically set forth in the Bid Sheet(s), and all costs therefore shall be included in the price named in the Bid Sheet(s) for the various listed items of work.

The City of Riverside payment process is through an electronic transfer process. Contractors or Suppliers must be set up for this payment process in order to be compensated for materials and/or services.

9-3.4 Mobilization.

9-3.4.1 Payment. Payment for mobilization includes cost for preparing and maintaining the construction schedule and any required updates, cost for the construction advisory letter required under Section 7-10.6 of these Special Provisions.

9-3.5 Progress Payments. Progress payment requests shall be processed in accordance with the provisions of Public Contract Code Section 20104.50, which is summarized as follows:

(a) Upon its receipt of Contractor's written payment request, City shall review it as soon as practicable to determine whether it is a proper payment request. If City determines that it is not a proper payment request suitable for payment, City shall return it to Contractor as soon as practicable, but not later than seven days after its receipt, together with a document setting forth in writing the reasons why it is not proper.

(b) If City fails to make a progress payment within thirty days after it receives an undisputed and properly submitted payment request from Contractor, City shall pay interest on the correct amount thereof at the legal rate set forth in Subdivision (a) of Section 685.010 of the Code of Civil Procedure.
(c) The number of days available to City to make a payment without incurring an interest obligation thereon shall be reduced by the number of days by which the City exceeds the seven day return requirement of (a) above for return of an improper request.

(d) A "progress payment" includes all payments due under the Contract, except that portion of the final payment which is designated as retention earnings, and a payment request shall be considered properly executed if funds are available for payment thereof and payment is not delayed due to an audit inquiry by City's financial officer.

9-3.6 Retention Payment. City's payment to Contractor of the retention amounts withheld from progress payments made during the performance of the Work, and Contractor's disbursement thereof to Contractor's subcontractors, shall be subject to the requirements of Public Contract Code Section 7107, the Stop Notice withholding laws of the State of California and other provisions of the Contract. City's payment obligations under Section 7107 are summarized herein; by executing the Contract Agreement, Contractor will be confirming knowledge of and responsibility for disbursement of the retention payment to Contractor's subcontractors.

(a) Within sixty days after the date of completion of the Work, City shall pay the undisputed and unencumbered portion of the retention amount to Contractor. If City disputes any portion of the amount Contractor demands, City will withhold from its payment an amount not exceeding 150% of the disputed amount.

(b) If City fails to pay the undisputed and unencumbered portion of the retention amount due Contractor within sixty days after the date of completion of the Work, City shall pay Contractor a charge of 2% per month on the amount improperly withheld in lieu of any other interest amount otherwise payable by operation of law. In any lawsuit brought for collection of amounts alleged to be wrongfully withheld by City, the prevailing party shall be entitled to attorney's fees and costs.

(c) "Completion" for purposes of this Section means any of the following events:

(1) Occupation, beneficial use and enjoyment of the Work by City, excluding testing, startup and commissioning activities, accompanied by Contractor's cessation of labor thereon;

(2) Acceptance of the Work by City;

(3) Contractor's cessation of labor for a continuous period of 100 days or more due to factors beyond Contractor's control; or

(4) Contractor's cessation of labor for a continuous period of 30 days or more if and after City records a notice of cessation of work or notice of completion.

9-4 FINAL PAYMENT AFTER FINAL ACCEPTANCE
After the work has been accepted by the Public Works Director, as provided in Section 6-8 of the Special Provisions, payments will be made to the Contractor subject the following:

The Engineer will make a proposed final estimate in writing of the total amount payable to the Contractor. Within 30 calendar days of receipt of the proposed final estimate, Contractor shall submit written approval of the proposed final estimate, or a written statement of all claims arising under or by virtue of the contract. No claim will be considered that was not included in the written statement of claims, nor for which a Notice of Potential Claim was required, under Section 3-7 of Special Provisions.

Upon Contractor’s approval of the proposed final estimate, or if the Contractor fails to file a claim within the specified period, the Engineer will process a request for final payment. City’s issuance of a final payment shall bar Contractor’s right to any claim arising out of the contract.

If the Contractor files a claim within the specified period, the City will review and make a final determination of such claim, in accordance with Section 3-5 of the Special Provisions and/or other applicable sections. Claims submitted by the Contractor shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of those claims.

The Contractor is required to track and record all changes made throughout the completion of the project and shall submit a complete red-lined copy of the construction plans to the Engineer for review of those changes indicated. If necessary, the Contractor shall address any comments and resubmit the red-lined plans. Upon approval by the Engineer, the Contractor shall submit 2 hard copies and 1 electronic PDF copy of the final approved red-lined plans. A Notice of Completion and/or Final Payment will not be released until the approved red-lined plans are received as described. The cost of the work and materials to provide the approved red-lined construction plans shall be included in the cost for Mobilization.

END OF PART 1.
PART 2
CONSTRUCTION MATERIALS

200-2 UNTREATED BASE MATERIALS

In lieu of crushed aggregate base, the Contractor may use, at Contractor's option, crushed miscellaneous base as per Section 200-2.4 of the Standard Specifications, or processed miscellaneous base as per Section 200-2.5 of the Standard Specifications, or Pulverized Miscellaneous Base as per Section 200-2.8, or Class 2 aggregate base as per Section 26-1.02A of the State Standard Specifications.

When the Plans specify aggregate subbase, the material used shall be select subbase as specified in Section 200-2.6 of the Standard Specifications.

201-1 PORTLAND CEMENT CONCRETE

203-5 SLURRY SEAL

203-5.4.2.1 Aggregate. Aggregate shall be Type II.

203-5.4.2.2 Emulsified Asphalt. Emulsified asphalt shall be CQS-1h.

203-5.4.2.4 Latex. The latex additive shall be ULTRAPAVE 65K or an approved equal. The latex shall be added at the emulsion plant after weighing the asphalt and before the addition of mixing water. The latex shall be added at a rate of 2% by weight of the asphalt emulsion.

203-5.4.4 Mix Design Certification. Contractor shall provide a certificate of compliance that the emulsion-aggregate slurry mix meets the requirements in the Standard Specifications and these Special Provisions.

203-6 ASPHALT CONCRETE

Where dense graded asphalt is being constructed in two layers or more, the Asphalt Concrete pavement for the base course shall be B-PG-64-10. When dense graded asphalt is being constructed in a single layer and for a finishing course or Asphalt Concrete overlay, the Asphalt Concrete pavement shall be C2-PG-64-10.

203-11 ASPHALT RUBBER HOT MIX (ARHM) WET PROCESS

203-11.2.3 Crumb Rubber Modifier (CRM). The Contractor shall certify that all crumb rubber used in the project is derived from California used and waste tires.

203-11.3 Composition and Grading. The Contractor shall use ARHM-GG-C, conforming to the requirements of Table 203-11.3 (A) of the Standard Specifications.
207 PIPE

207-2 REINFORCED CONCRETE PIPE

207-2.1.1 Submittal. Prior to the delivery of RCP to the jobsite, the Contractor shall submit, to the Engineer for approval, the manufacturer's certification that all RCP to be used on the project meets with the requirements of the Standard Specifications.

END OF PART 2.
PART 3
CONSTRUCTION METHODS

300-1 CLEARING AND GRUBBING

300-1.3 Removal and Disposal of Materials. Clearing and grubbing shall be performed wherever construction is to be performed. Clearing and grubbing includes removal and disposal of all above-ground material including, but not limited to, abandonment of conduits and structures, demolishing of structures as required, and vegetation including small trees.

Prior to cutting any service systems, such as sprinklers, the Contractor shall test the system and make necessary adjustments to keep the remaining irrigated areas serviced.

Traffic signs to be salvaged shall be delivered to the City of Riverside storage facility. The Contractor shall call the Street Services Division at 351-6127 for delivery location and instructions.

Disposition of other existing signs shall be as shown on the plan(s) and/or as directed by the Engineer. This may include temporary sign relocations due to construction or stockpiling of signs at the job site. The Contractor will be responsible for maintaining the condition of all signs specified herein.

If an existing sign post is not suitable for reinstallation and a replacement is not available from salvaged sign posts, then its replacement will be considered as Extra Work and paid for in accordance with these Special Provisions and the Standard Specifications.

Trees shall be removed from the area of construction. The tree diameter size class shall be:

 Class I  over 6" to 18"
 Class II over 18" to 36"
 Class III over 36"

Tree diameter shall be measured three feet above the ground surface.

Removing trees larger than 6" in diameter shall be a separate item. Removal of smaller trees shall be considered part of Clearing and Grubbing.

Mail boxes and posts within the construction area shall be salvaged and temporarily set in an upright condition where easily accessible for mail delivery and accessible by the property owner. Posts and boxes shall be reinstalled in final position by the Contractor as shown. Broken posts shall be replaced by the Contractor at Contractor's cost. Replaced posts shall be, at the option of the Contractor, 4" x 4" redwood or 2" galvanized steel pipe.

If the Contractor encounters existing asphalt material extending onto the PCC gutter, and the gutter is not proposed to be overlaid, then the Contractor shall be required to remove the overlay in such a manner that damage to the gutter will not occur. If, in the opinion of the Engineer, the existing gutter's flow or riding characteristic have been altered by the AC removal, the Contractor, at Contractor's expense, shall make repairs to restore the gutter quality to its original state. Payment for AC removal
from gutter shall be included in the Contract lump sum price for Clearing and Grubbing.

300-1.3.2 Requirements.

(d) Signal Detector Frame and Foundation. Signal detector frame and foundation shall be removed and the remaining void shall be backfilled and compacted with residue AC from cold milling operations or crushed aggregate base to the level of the existing grade. Additional AC may have to be placed as a leveling course to provide a smooth ride across the detector removal areas. The Contractor shall be responsible for the lawful disposal of the removed items. Removal of frame and foundation shall be considered as part of Clearing and Grubbing.

300-1.4 Payment. The price paid for Clearing and Grubbing including the Type 332 Cabinet foundation removal shall be included in the respective work item and no separate payment shall be made therefore.

300-2 UNCLASSIFIED EXCAVATION

300-2.1 General. This project is expected to generate approximately 0 cubic yards of excess excavated material including the volume of all existing surface and below-surface improvements including, but not limited to, curb, gutter, sidewalk, and AC pavement. The lawful disposal of all excess material generated by this project is the Contractor's responsibility.

300-2.9 Payment. Payment for Unclassified Excavation shall be included in the respective work item and no separate payment shall be made therefore. Contractor shall include any necessary fill and compaction required by the Plans and Standard Specifications and hauling and lawful disposal of excess material.

301-1 SUBGRADE PREPARATION

301-1.6.1 Schedule and Tolerances of Manhole Adjustment. Sewer and storm drain manhole frames and covers shall be raised to the finished grade by the Contractor within 48 hours of final paving. The Contractor shall raise the tops of all frames and covers to range from flush to 1/4" above the finished grade of the immediately adjacent pavement. Regardless if any utility frame or cover requires an adjustment to complete the project, if any utility covers are located within the limits of the improvements, the Contractor shall thoroughly clean all covers to remove any markings, stains, striping, etc., unless otherwise directed by the Engineer.

301-1.6.2 Riverside Public Utilities (RPU) - Water Manholes and Valve Boxes. At the option of the City, the Contractor shall adjust water manhole frames and covers and water gate valve covers to range from flush to 1/4" above the finished grade of the adjacent pavement. All dirt and debris are to be removed from the valve box to a depth of 6" below the operating nut.

Adjustment of water gate valve covers installed after March, 1983 (cap & liner type) shall be in accordance with STD. DWG. C.W.D. - 515. On water gate valve covers installed prior to March, 1983 (frame & lid type); if the frame skirt is raised above the existing gate box material (steel pipe), the gate box material should be extended as required. This extension must match the existing steel pipe O.D. &
I.D. and must be secured with at least (3) equally spaced one inch welds OR the Contractor may choose to replace the Frame & Lid with a Contractor supplied Cap & Liner. If a Cap & Liner is used, the Contractor must drill a 1/4" hole in the new cap, 3/8" inside the interior ring on the cap surface. A Contractor supplied 1/4" x 1-1/2" brass roundhead screw must be installed and the existing gate tag (with copper wire) inserted on the inside of the cap, then held on with a 1/4" brass washer and nut. The top of all water valve covers shall be painted in accordance with Riverside Public Utilities Water Division Specification No. 205.

Marking Paint - Lead Free
Aervoe Pacific - #203 Blue
Ground Traffic Coating - VOC<66%

Valve boxes smaller than (8) inches in diameter shall be replaced with 8" gate box material and a "cap & liner" type gate valve cover, in accordance with Riverside Public Utilities Water Division Specification No. 205. Any valve box found to be corroded, bent or otherwise previously damaged, making adjustment impractical or not feasible, shall be replaced. The inspector shall determine at the time of construction if the valve boxes in question shall be adjusted or replaced. The City will furnish new gate box materials and "caps and liners" for valve box replacements, however the Contractor shall be responsible for obtaining the materials from the City Corporation Yard to the Project site. Arrangements for obtaining these materials from the City's Corporation Yard at 8095 Lincoln Avenue shall be made through the Inspector 15 working days prior to scheduled installation.

Two foot by two foot rectangular valve covers marked "Riverside Water Company" will be adjusted to grade by the City.

301-1.6.3 Riverside Public Utilities - Electric Vaults and Manholes. At the option of the City, the Contractor shall adjust electric manhole vault frames and equipment covers so the top ranges from flush to 1/4 inch above the finished grade of the adjacent pavement. All electric manhole and equipment covers adjusted to grade by the Contractor shall be cleaned. Adjustments shall be in accordance with Riverside Public Utilities Electric Division Drawings UGS-053, UGS-062, UGS-435, and UGS-541. All work shall be accomplished in the presence of the Electric Operations representative. The Contractor shall notify the Electric Superintendent of the City Electric Division at 351-6373, two working days in advance of adjustment for scheduling of the representative.

Riverside Public Utilities electric facilities shall be designated as follows:

Manholes use Drawings UGS-062 and UGS-435
Vaults use Drawings UGS-053 and UGS-541

Since electric manholes and vaults contain energized cable and equipment, the Contractor shall use workers that have been properly trained in applicable electrical safety and work procedures to make the manhole and vault adjustments.

Except for the gate box and valve box materials as noted, the Contractor shall provide all the necessary tools, equipment, and materials necessary to perform all awarded adjustments.
301-1.7.1 **Payment for Manhole and Valve Cover Adjustments.** Payment for adjusting storm drain and sewer manhole frames and covers to finished grade will be made at the Contract unit price for adjusting sewer or storm drain manhole to grade.

Payment for tying out all the covers as stipulated in Section 5-1.1 of these Special Provisions, shall be considered as included in the Contract unit price of the surfacing material used adjacent to the cover and no additional compensation will be made therefor.

Payment for adjusting water or electric manhole frames and covers, vault frames, equipment covers, and water gate valve covers, if made part of the Contract, shall be made at the respective contract unit prices for each item. These payments shall be considered full compensation for all labor, tools, equipment, and materials required to adjust the utility facility.

Payment for adjusting and/or replacing water gate valve, pull box, and/or water meter boxes, if necessary, shall be included in the associated bid item. This payment shall be considered full compensation for all labor, tools, and equipment required to replace the gate valve box and cover with City furnished materials. Payment shall also include the Contractor obtaining the City furnished item from the City’s Corporation Yard located at 8095 Lincoln Avenue.

301-1.8 **Traffic Signal Pullbox Adjustments.**

Adjustment of traffic signal pullboxes to grade will be subject to the following requirements:

1. The Contractor shall grout the bottom of existing pullboxes that are to remain in place and that are not already grouted with material specified in Section 86-2.06 of the State Standard Specifications. The Contractor shall remove all grout that does not meet the material specifications of Section 86-2.06 of the State Standard Specifications and the Contractor shall excavate within the pullbox to proper depth prior to grouting;

2. The Contractor shall adjust all conduits as necessary so the conductors do not touch the pull box lid. In addition, a minimum clearance of 3" between the top of all conduits and the bottom of the traffic pullbox lid shall be maintained; and,

3. The Contractor shall replace "in-kind" any traffic pullbox damaged as a result of his operations except that the minimum size replacement will be a No. 5 pullbox as described on State Standard Plan ES-8. Plastic Type No. 5 pullboxes will not be permitted.

302-1 **COLD MILLING OF EXISTING PAVEMENT**

302-1.1.1 **Cold Milling Types.** All removal and replacement work shall be performed after cold milling. After performing Type CM1, CM2, or CM3 the contractor shall ramp all vertical edges with a minimum of 12 inches or at 8:1 whichever is greater prior to opening ground areas to traffic; the Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special
**Provisions** at each location they fail to ramp vertical edges as described above within the given timeframe.

"Cold Milling – Type CM1" shall be performed in areas designated on the Plans and shall have a minimum width of 5’ unless otherwise indicated on the plans. Width shall be measured from the existing gutter lip or the longitudinally joint line. Cold milling shall be 0.12’ below the existing pavement.

“Cold Milling – Type CM2” shall be performed in areas designated on the Plans. The milling shall be 0.12' deep minimum unless otherwise indicated on the plans. All 0.12’ cold mill areas shall be paved within 5 working days after commencement of milling. Where the CM2 milling exceeds 0.15’, the asphalt shall be replaced within in 24 hours after the commencement of the milling. Where the CM2 milling exceeds 0.20’, the asphalt shall be replaced utilizing a minimum of 2 lifts (0.10’ minimum per lift) with the following criteria: the base course lift(s) shall be completed the same day as the completion of the CM2 milling; and upon completion of the base course replacement pavement, the milled areas may only be 0.10’ minimum to 0.12’ maximum below the original asphalt surface elevations, unless otherwise indicated on the plans and the finish course shall be replaced within 5 working days after initial commencement of milling. The Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special Provisions if they fail to replace the asphalt as described above within the given timeframe.

“Cold Milling – Type CM3” shall be “Full-Depth Milling” as described in Section 302-1.5 of the Standard Specifications and performed in areas designated on the Plans. The milling shall completely remove the asphalt pavement to the depth of the existing base or subgrade. When the replacement asphalt thickness indicated on the plans exceeds the actual existing asphalt thickness, the Contractor shall remove the existing base and/or subgrade and re-compact as necessary to install the new asphalt to the depth indicated, unless otherwise noted or directed by the Engineer. The replacement asphalt for CM3 milling shall be completed utilizing a minimum of 2 lifts (0.10’ minimum per lift) with the following criteria: the base course lift(s) shall be completed the same day as the completion of the CM3 milling; and upon completion of the base course replacement pavement, the milled areas may only be 0.10’ minimum to 0.12’ maximum below the original asphalt surface elevations, and replaced within 5 working days after initial commencement of milling. The Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special Provisions if they fail to replace the asphalt as described above within the given timeframe; unless otherwise indicated on the plans.

302-1.11 **Measurement.** "Cold Milling – Type CM1" shall be measured by the linear foot for the specified width indicated on the Plans. “Cold Milling – Type CM2” shall be measured by the square foot for the milling depth noted on the Plans. “Cold Milling – Type CM3” shall be measured by the square foot for the entire depth of asphalt pavement.

302-1.12 **Payment.** Payment for "Cold Milling – Type CM1" shall be the Contract unit price per linear foot for the specified width indicated on the bid proposal. Payment for “Cold Milling – Type CM2” shall be made on a square foot basis for the milling depth indicated on the bid proposal. Payment for “Cold Milling – Type CM3” shall be made on a square foot basis for the milling of the entire depth of asphalt. Contractor shall remove and dispose subgrade and/or base as necessary to achieve the depths indicated on the plans including any required compaction necessary.
302-4 SLURRY SEAL SURFACING

302-4.1.1 Pavement Preparation. Pavement preparation shall consist of the following:

1. All cracks greater than 1/8" but less than 1/2" in width shall be routed to a minimum width of 1/2” and to a depth of 3/4" to 1" deep.

2. All cracks greater than 1/2" in width shall be routed to a depth of 3/4" to 1".

3. Seven days prior to the crack routing operation, all cracks with existing weeds or grasses shall be treated with a contact herbicide such as Monsanto RoundUp or City approved equal and to the manufacturer's recommendation. Prior to the application of any sealant, all cracks shall be completely cleaned of deleterious material using a blower or an air compressor. All wedged-in materials that are not readily removed by air should be removed by gouging or plowing. In addition, the street surface shall be completely cleaned of all pavement preparation debris by a power-driven street sweeper or other suitable means at the end of each work day.

4. After cleaning and routing but prior to the application of any sealant all cracks shall be treated with a selective pre-emergent herbicide such as ACME Industrial Products Barrier 50W Dichlobenil Herbicide or City approved equal and to the manufacturer's recommendation.

5. All cracks less than 1" in width shall be filled with a Crafco Polyflex Type 3 Sealant or approved equal. Application shall be with a Heated Joint Seal Machine Crafco Model BC-220 or City approved equal and to the manufacturer's recommendation. These may be obtained from Crafco Inc., P.O. Box 20133, Phoenix, Arizona 85036. This treatment method shall be called "Crack Fill."

6. All cracks greater than 1" in width shall be filled with PG 64-16 asphalt concrete. This treatment method shall be called "Crack Repair."

7. All "alligator" cracked areas of the pavement shall be removed to a depth specified by the Engineer as described in Section 300-2 of these Special Provisions and replaced with DGAC. Replacement DGAC shall be described as "Construct DGAC Pavement" on the Plans and in these Special Provisions.

8. Performing traffic control for all work described above unless otherwise included in the bid item for “Traffic Control and Access.”

Payment for all required "Crack Fill" and "Crack Repair" shall be at the Contract unit price per linear foot of street centerline and shall include full compensation for all labor, materials, tools, equipment and incidentals required for crack treatment.

302-4.8.1 Spreading at Joints. The joint between the edge of pavement and the concrete gutter
shall be sealed with slurry seal. The slurry may overlap the concrete gutter edge no more than one (1) inch. The edges of the slurry shall be maintained in a neat and uniform line.

302-4.12 Cleanup of Tools. The Contractor shall not allow any liquids used for cleanup of tools and equipment (such as diesel fuel or solvents) to spill on the pavement, curbs, gutter, parkways, or other improved areas.

302-5 ASPHALT CONCRETE PAVEMENT

302-5.2 Pavement Preparation. Pavement preparation shall consist of the following:

1. All cracks greater than 1/8" but less than 1/2" in width shall be routed to a minimum width of 1/2” and to a depth of 3/4" to 1" deep.

2. All cracks greater than 1/2" in width shall be routed to a depth of 3/4" to 1".

3. Seven days prior to the crack routing operation, all cracks with existing weeds or grasses shall be treated with a contact herbicide such as Monsanto RoundUp or City approved equal and to the manufacturer's recommendation. Prior to the application of any sealant, all cracks shall be completely cleaned of deleterious material using a blower or an air compressor. All wedged-in materials that are not readily removed by air should be removed by gouging or plowing. In addition, the street surface shall be completely cleaned of all pavement preparation debris by a power-driven street sweeper or other suitable means at the end of each work day.

4. After cleaning and routing but prior to the application of any sealant all cracks shall be treated with a selective pre-emergent herbicide such as ACME Industrial Products Barrier 50W Dichlobenil Herbicide or City approved equal and to the manufacturer's recommendation.

5. All cracks less than 1" in width shall be filled with a Crafco Polyflex Type 3 Sealant or approved equal. Application shall be with a Heated Joint Seal Machine Crafco Model BC-220 or City approved equal and to the manufacturer's recommendation. These may be obtained from Crafco Inc., P.O. Box 20133, Phoenix, Arizona 85036. This treatment method shall be called "Crack Fill."

6. All cracks greater than 1" in width shall be filled with PG 64-16 asphalt concrete. This treatment method shall be called "Crack Repair."

7. All "alligator" cracked areas of the pavement shall be removed to a depth specified by the Engineer as described in Section 300-2 of these Special Provisions and replaced with DGAC. Replacement DGAC shall be described as "Construct DGAC Pavement" on the Plans and in these Special Provisions.

8. Performing traffic control for all work described above unless otherwise unless otherwise included in the bid item for “Traffic Control and Access.”
Payment for all required "Crack Fill" and "Crack Repair" shall be at the Contract unit price per linear foot of street centerline and shall include full compensation for all labor, materials, tools, equipment and incidentals required for crack treatment.

302-5.5.1 Methods of Distribution and Spreading. A paving machine that picks up the asphalt concrete material from a windrow then spreads the material to a specified thickness may be used. However, the Engineer may require the Contractor to use a paving machine which accepts the asphalt concrete material directly from the delivery truck, at no additional cost to the City, if the temperature of the asphalt concrete in the windrow cannot be maintained above the lower temperature limit specified in Section 302-5.5 of the Standard Specifications, or if the windrow blocks access to any driveway or side street for more than fifteen minutes prior to the paving machine spreading the asphalt concrete material.

The Engineer reserves the right to suspend delivery of AC to the jobsite to ensure the AC placement operations are completed and the full traveled way is opened to traffic prior to the time limits specified in Subsection 7-10.1 of these Special Provisions.

302-5.7.1 Pavement Joints. Where new pavement joins an existing pavement, the surface will be inspected for smoothness of the seam between the two surfaces. When a six feet long straightedge is laid across the seam between "new" and "old" pavement, the surface shall not vary more than 0.03 feet from the lower edge. At join lines along new concrete gutters or where the existing asphalt pavement has been removed, the finished surface shall not vary more than 0.00' to 0.05' higher than the concrete surface that is being joined. On existing or proposed bike routes the finished surface shall not exceed 0.02' above the gutter lip.

302-5.9.1 Payment. Payment for asphalt concrete pavement shall be made on a per ton basis. This payment shall be full compensation for all labor, tools, equipment, materials, and traffic control to place and compact asphalt concrete within the limits shown on the plans.

302-9 ASPHALT RUBBER HOT MIX (ARHM)

302-9.1.1 Pavement Preparation. Pavement preparation shall consist of the following:

1. All cracks greater than 1/8" but less than 1/2" in width shall be routed to a minimum width of 1/2” and to a depth of 3/4" to 1" deep.

2. All cracks greater than 1/2” in width shall be routed to a depth of 3/4" to 1".

3. Seven days prior to the crack routing operation, all cracks with existing weeds or grasses shall be treated with a contact herbicide such as Monsanto RoundUp or City approved equal and to the manufacturer's recommendation. Prior to the application of any sealant, all cracks shall be completely cleaned of deleterious material using a blower or an air compressor. All wedged-in materials that are not readily removed by air should be removed by gouging or plowing. In addition, the street surface shall be completely cleaned of all pavement preparation debris by a power-driven street sweeper or other suitable means at the end of each work day.
4. After cleaning and routing but prior to the application of any sealant all cracks shall be treated with a selective pre-emergent herbicide such as ACME Industrial Products Barrier 50W Dichlobenil Herbicide or City approved equal and to the manufacturer's recommendation.

5. All cracks less than 1" in width shall be filled with a Crafco Polyflex Type 3 Sealant or approved equal. Application shall be with a Heated Joint Seal Machine Crafco Model BC-220 or City approved equal and to the manufacturer's recommendation. These may be obtained from Crafco Inc., P.O. Box 20133, Phoenix, Arizona 85036. This treatment method shall be called "Crack Fill."

6. All cracks greater than 1" in width shall be filled with PG 64-16 asphalt concrete. This treatment method shall be called "Crack Repair."

7. All "alligator" cracked areas of the pavement shall be removed to a depth specified by the Engineer as described in Section 300-2 of these Special Provisions and replaced with DGAC. Replacement DGAC shall be described as "Construct DGAC Pavement" on the Plans and in these Special Provisions.

8. Performing traffic control for all work described above unless otherwise not included in the bid item for “Traffic Control and Access.”

Payment for all required "Crack Fill" and "Crack Repair" shall be at the Contract unit price per linear foot of street centerline and shall include full compensation for all labor, materials, tools, equipment and incidentals required for crack treatment.

302-9.3.1 Methods of Distribution and Spreading. A paving machine that picks up the asphalt concrete material from a windrow then spreads the material to a specified thickness may be used. However, the Engineer may require the Contractor to use a paving machine which accepts the asphalt concrete material directly from the delivery truck, at no additional cost to the City, if the temperature of the asphalt concrete in the windrow cannot be maintained above the lower temperature limit specified in Section 302-5.5 of the Standard Specifications, or if the windrow blocks access to any driveway or side street for more than fifteen minutes prior to the paving machine spreading the asphalt concrete material.

The Engineer reserves the right to suspend delivery of AC to the jobsite to ensure the AC placement operations are completed and the full traveled way is opened to traffic prior to the time limits specified in Subsection 7-10.1 of these Special Provisions.

302-9.9 Payment. Payment for ARHM shall be made at the Contract unit price per ton.

Payment for "Crack Fill" and "Crack Repair" shall be at the Contract unit price and shall include full compensation for all labor, materials, tools, equipment and incidentals required for crack treatment.

302-10 ASPHALT RUBBER AND AGGREGATE MEMBRANE (ARAM)
302-10.1.1 Pavement Preparation. Pavement preparation shall consist of the following:

1. All cracks greater than 1/8" but less than 1/2" in width shall be routed to a minimum width of 1/2" and to a depth of 3/4" to 1" deep.

2. All cracks greater than 1/2" in width shall be routed to a depth of 3/4" to 1".

3. Seven days prior to the crack routing operation, all cracks with existing weeds or grasses shall be treated with a contact herbicide such as Monsanto RoundUp or City approved equal and to the manufacturer's recommendation. Prior to the application of any sealant, all cracks shall be completely cleaned of deleterious material using a blower or an air compressor. All wedged-in materials that are not readily removed by air should be removed by gouging or plowing. In addition, the street surface shall be completely cleaned of all pavement preparation debris by a power-driven street sweeper or other suitable means at the end of each work day.

4. After cleaning and routing but prior to the application of any sealant all cracks shall be treated with a selective pre-emergent herbicide such as ACME Industrial Products Barrier 50W Dichlobenil Herbicide or City approved equal and to the manufacturer's recommendation.

5. All cracks less than 1" in width shall be filled with a Crafco Polyflex Type 3 Sealant or approved equal. Application shall be with a Heated Joint Seal Machine Crafco Model BC-220 or City approved equal and to the manufacturer's recommendation. These may be obtained from Crafco Inc., P.O. Box 20133, Phoenix, Arizona 85036. This treatment method shall be called "Crack Fill."

6. All cracks greater than 1" in width shall be filled with PG 64-16 asphalt concrete. This treatment method shall be called "Crack Repair."

7. All "alligator" cracked areas of the pavement shall be removed to a depth specified by the Engineer as described in Section 300-2 of these Special Provisions and replaced with DGAC. Replacement DGAC shall be described as "Construct DGAC Pavement" on the Plans and in these Special Provisions.

8. Performing traffic control for all work described above unless otherwise included in the bid item for “Traffic Control and Access.”

Payment for all required "Crack Fill" and "Crack Repair" shall be at the Contract unit price per linear foot of street centerline and shall include full compensation for all labor, materials, tools, equipment and incidentals required for crack treatment.

302-10.1 Application. In addition to the minimum temperature requirements listed in the Standard Specifications, the maximum allowable atmospheric temperature for application of the
Asphalt-Rubber Chip Seal shall be 100 degrees Fahrenheit. The Contractor shall provide a pavement temperature reading, with an infrared heat measurement instrument, when requested by the Engineer.

At the option of the City, a tack coat shall be applied as specified in Sec. 302-5.4 "Tack Coat" of the Std. Spec., consisting of 0.05/gallon residue per square yard of diluted SS-1h asphaltic emulsion. The hot asphalt-rubber mixture shall not be applied until the tack coat has cured. The tack coat shall be considered cured when the water content is reduced to a minimum. If the ARAM has been subjected to traffic, tack coat shall be applied as described above prior to slurry seal treatment.

The method and equipment for combining the rubber, asphalt and extender oil or kerosene shall be so designed and accessible that the Engineer can readily determine the percentages, by weight, of each of the materials being incorporated into the mixture.

Application of asphalt-rubber shall be discontinued sufficiently early in the day to permit the termination of traffic control to meet the requirements of Section 7-10.1 of these Special Provisions.

A light brooming shall be performed to remove loose screenings: (1) before traffic is permitted on the asphalt-rubber, (2) at the end of each day's work; and (3) as a first order of work on the morning following the application of screenings. The exact time for brooming will be determined by the Engineer. The surface of the asphalt-rubber and adjacent pavement shall be swept or broomed as often as necessary each day (including weekends or holidays) after applying screenings to maintain the entire paved roadbed free of loose screenings. At the end of each day after applying screenings, any excess screenings shall be removed from all paved areas. Sweeping or brooming of seal coat surfaces shall be performed in such a manner that the screenings set in the binder will not be displaced.

Following the completion of the paving, sweeping shall be performed as follows:

i) For a period of one week after the completion of the paving sweeping shall be performed every other day.

ii) For the subsequent five weeks sweeping shall be performed once a week.

In addition to any traffic control for other items of construction, the Contractor shall provide additional signs for the ARAM operation advising of 25 MPH construction zone speed limit and loose gravel warning signs. These signs will be placed at intervals not exceeding 500' with additional signs placed at each side street entering the construction zone. Additional advance warning signs may also be required by the Engineer at each end of the project and on key side streets to allow alternate routes to be used.

302-10.2.1 Placement of Emulsion-Aggregate Slurry. The placement of the slurry seal as part of a Cape Seal shall be delayed for a sufficient time to allow for adequate setting of the asphalt-rubber (typically 24 to 48 hours), but shall not exceed 96 hours prior to starting of slurry operations. If determined necessary by the Engineer, the placement of ARAM may be delayed to allow coordination of the slurry sealing to maintain compliance with the above time requirements.
302-10.5.1 Measurement and Payment. The Contract unit price per square yard shall be full compensation for placing asphalt-rubber, cover aggregate, rolling, sweeping and performing traffic control and cleanup, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

302-14 FOG SEAL

Fog seal shall be accomplished at locations designated on the Plans. Fog sealing shall be in accordance with Section 37 "Bituminous Seals" of the State Standard Specifications. Material for the fog seal shall be SS-1h. The rate of application shall be between 0.05 Gal./S.Y. and 0.10 Gal./S.Y. Water shall be added to the emulsion and mixed therewith in such proportion that the resulting mixture will contain not more than 25% of added water, the exact quantity of added water shall be determined by the Engineer. Asphaltic emulsion shall be reheated as necessary, so that when the material is transported to the site of the work, the temperature will be between 150°F and 160°F.

Payment for fog seal shall be at the Contract unit price for each square yard placed and shall include all incidental work including cleaning of the pavement, cleaning after application of fog sealing, if necessary, and traffic control.

302-15 ASPHALT CONCRETE BERMS AND DIKES

302-15.1 General. Asphalt concrete berms and dikes shall be shaped and compacted with an extrusion machine or other equipment capable of shaping and compacting the material to the required cross section.

303-1 CONCRETE STRUCTURES

303-1.11 Payment. Payment for concrete structures shall be the Contract lump sum price paid for the intersection work structure constructed in place and shall include, but not be limited to, full compensation for structure excavation and backfill, concrete removals, concrete, steel reinforcement and miscellaneous hardware.

303-5 CONCRETE CURBS, WALKS, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, PEDESTRIAN RAMPS, AND DRIVEWAYS

303-5.1.4 General Requirements. In areas where mail delivery is curbside, the Contractor shall provide openings in the sidewalk for the installation of posts for mail boxes. The openings shall be 6 inches square or 6 inch diameter round. The center of the opening shall be 16 inches from the curb face, adjacent to the driveway on the far side related to normal vehicle traffic directions.

Where curb and gutter is to be removed and replaced, the Contractor shall also remove a minimum of 12" of existing pavement to facilitate the setting of forms and compaction of backfill. Paving replacement shall be 6" full depth AC. The unit price paid for removal and replacement of C&G shall also include full compensation for all removal and replacement of AC adjacent to the gutter. If the inspector gives permission to the Contractor to leave existing asphalt in place and pour the gutter
directly against existing AC the City will deduct 15% from the unit price of C&G removal and replacement.

Curb and gutter shall be poured independent (separate) of driveways, pedestrian ramps and sidewalks.

When the grade of C&G is less than 0.4%, the Contractor, at no additional cost, shall place (2) #3 reinforcing bars in the gutter. Construction stakes for curbs with flatter grades than 0.4% shall be every 12.5′.

Where new or replacement curb and gutter lengths are fifty (50) feet or greater, the Engineer will determine the need for construction stakes for grade.

The Contractor shall take measures to prevent graffiti, footprints, tire marks, etc., in the fresh concrete. The Contractor shall be responsible for all markings.

On projects with sidewalk construction, the Contractor, unless otherwise instructed, shall grade the parkway and slopes as shown on Standard Drawing No. 325.

On projects with median hardscape construction, the Contractor shall provide a 3” diameter blockout in the concrete at each median nose that is at least 4 feet wide for installation of traffic signs. This shall be accomplished by embedding a 3" PVC pipe in the concrete 5 feet from the curb face at the median nose.

For the construction of concrete spandrels the curb returns will be counted as C&G with a gutter 2 feet wide. Only the remainder of the spandrel will be paid for as cross gutter and spandrel. No additional payment will be made for the extra thickness of concrete in the curb and gutter portion.

When pedestrian ramps are proposed to be constructed within existing concrete spandrels, the Contractor shall sawcut the spandrel to construct the new pedestrian ramp per the City standard drawings including any modifications indicated on the plans.

No mortar finish coat shall be required for curbs.

New sidewalk constructed in areas of existing sidewalk shall be scored to match the existing score pattern. Failure to score the sidewalk appropriately shall be cause for rejection.

On projects with pedestrian ramp construction, the AC pavement shall be placed flush with the concrete gutter along the pedestrian ramp. Removal and replacement of curb, gutter and sidewalk for pedestrian ramps shall be to the nearest joints. Sections less than 5’ in width/length shall be removed and replaced as directed by the Engineer. The PCC retaining curb shall be poured monolithic with the adjacent sidewalk or pedestrian ramp.

It is the Contractor’s responsibility to mark the approximate saw cut limits for the construction of pedestrian ramps including asphalt pavement areas. The City’s Inspector shall review the marked limits before any removals. If the Inspector requests additional removals, then the Contractor must adjust the
limits as necessary.

No survey work or staking will be provided by the City for pedestrian ramps, curb, gutter, driveway, and sidewalk construction or replacement unless determined necessary by the Engineer.

The City will not be responsible for additional move-ins needed to remove enough of the existing improvements to construct the proposed improvements.

303-5.5.2 Curb. The face and top of curb shall be carefully troweled to a smooth and even finish. The top of curb shall be finished with a transverse slope toward the gutter and the edges rounded in accordance with Standard Drawing No. 200. The troweled surface shall be finished with a fine-hair broom applied parallel with the line of work. The edge of the concrete at all expansion joints shall be rounded to a 1/4" radius. Joints shall conform with Subsection 303-5.4 of the Standard Specifications.

Application of class “B” mortar to face of curb is not required. Stamping of Contractor’s name and the year shall not be performed.

303-5.7.1 Reasons for Rejection.

1. Transverse cracks through the C&G, exceeding 0.01 foot in width at any point.
2. Vertical displacement exceeding 0.01 foot, or which causes water to pond in the gutter for a distance exceeding 2 feet.
3. Serious or extensive surface imperfections.
4. Graffiti, footprints, tire marks, etc., in the fresh concrete. The Contractor shall be responsible for prevention of all markings.
5. Transverse cracks causing 5 feet or less of C&G to be "floating," or unattached to other C&G.
6. Cracks causing 25 square feet or less of sidewalks, approaches, cross gutters, or aprons to be “floating,” or unattached to other approaches, cross gutters, or aprons.

Rejected concrete work shall be removed by means of a sawcut at a score line. If no score line exists, the minimum removed area or unscored area left in place shall be 25 square feet and the minimum width shall be 4 feet.

303-5.9 Measurement and Payment. Payment for sidewalk or driveway shall also include payment for removal of existing walk and relocation of existing sprinklers, if any, to the back of the proposed sidewalk. Payment for sidewalk and driveways shall also include adjusting of pull boxes and water meter boxes; a new box will be supplied by the City if the pull box or water meter box is damaged or not per current City standard specifications. However, the Contractor is responsible for obtaining the City furnished item from the City’s Corporation Yard located at 8095 Lincoln Avenue. Payment for sidewalk shall also include compensation for any parkway and slope grading. Where curbs or curb and
gutters are transitioning in dimensions or type, the length of transition shall be divided into two equal lengths and each half will be paid for as its adjacent type. Payment for depressed curb and gutter per City Std. 302 shall be included in the cost of Concrete Curb and Gutter per City Std. 200. The Contractor shall pour all new concrete within five (5) calendar days upon commencement of any removals for the above-described work. If the Contractor does not adhere to this requirement, the Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special Provisions.

Payment for PCC pedestrian ramp construction shall include payment for the removal and replacement of curb, gutter, sidewalk (to the nearest joint), any sidewalk match ups, ramp, landing, pavement removal and replacement (to comply with the maximum 5% cross fall) and any landscaping and irrigation repair, adjustment or replacement as necessary. Payment also includes construction of retaining curb, as necessary, to protect any existing improvements at the direction of the Engineer for any type of ramp regardless if retaining curb is shown or not shown on the standard drawing. Payment shall also include cost to furnish and install truncated domes per City Standard 304. When constructing a new ramp adjacent to an existing concrete spandrel, the existing spandrel shall be protected in place and sawcut as necessary to construct new ramp, unless otherwise noted. Payment for constructing depressed curb and gutter when constructing a Type VII Pedestrian Ramp shall not be included in the cost of the pedestrian ramp, but shall be included in the cost of Concrete Curb and Gutter per City Std. 200. The Contractor shall pour all new concrete within five (5) calendar days upon commencement of any removals for the above-described work. If the Contractor does not adhere to this requirement, the Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special Provisions.

Payment for curb and gutter shall be at the Contract unit price per linear foot for the curb height indicated on the plans. If the proposed curb and gutter is to replace existing damaged curb and gutter, then no curb height will be indicated and the Contract unit price per linear foot shall include the cost to reconstruct the curb and gutter to match all the dimensions of the existing curb and gutter at all locations indicated on the plans. Payment shall also include painting curbs red where existing is red, painting house address numbers on curbs where removed, grinding down roots beneath the curb and gutter, reestablishing curb core where necessary, and the steel reinforcement per the standard drawings, when required. When directed by the Engineer, the Contractor shall remove unsuitable material beneath the curb and gutter and replace with crushed aggregate base. Payments shall be included in “Removal of Unsuitable AC, Base, and/or Subgrade Material” and “Replacement Base for Unsuitable AC, Base, and/or Subgrade”, respectively. The Contractor shall pour all new concrete within three (3) calendar days upon commencement of any removals of curb and gutter adjacent to proposed driveways and/or pedestrian ramps. If the Contractor does not adhere to this requirement, the Contractor shall be subject to liquidated damages as described in Part 1, Section 6-9 of these Special Provisions.

306-1 OPEN TRENCH OPERATIONS

306-1.1.1 General. Where trench is close to street lights, catch basins, or other structures, the Contractor shall brace as necessary to prevent dislocation of the structure. In the area of any such structures, the trench backfill shall be compacted to 95% to the full depth of the structure.

306-1.1.5 Removal and Replacement of Surface Improvements. Removal and replacement
of bituminous pavement and base material shall be in accordance with Std. Dwg. No. 453.

306-1.1.7 Alternate Pipe for Sanitary Sewers. As an alternate to the Vitrified Clay Pipe (VCP) specified on the Plans, the Contractor, subject to the Engineer's approval, may use any plastic pipe described and specified in the Std. Spec. with the following limitations:

1. Plastic pipe shall be limited to use in areas that are predominantly residential and to sizes not exceeding 15 inches in diameter.

2. Unless otherwise specified on the plans, plastic pipe shall be bedded as follows:

<table>
<thead>
<tr>
<th>Type of Pipe</th>
<th>Depth of Cover</th>
<th>Bedding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Wall (ABS &amp; PVC)</td>
<td>0 to 4'</td>
<td>Case III</td>
</tr>
<tr>
<td></td>
<td>4' to 17'</td>
<td>Case I</td>
</tr>
<tr>
<td></td>
<td>17' to 30'</td>
<td>Case II N=D'+1&quot;</td>
</tr>
<tr>
<td></td>
<td>over 30'</td>
<td>Special Design</td>
</tr>
<tr>
<td>ABS and PVC Composite</td>
<td>less than 4'</td>
<td>Case II</td>
</tr>
<tr>
<td></td>
<td>4' to 9'</td>
<td>Case I</td>
</tr>
<tr>
<td></td>
<td>9' to 21'</td>
<td>Case I</td>
</tr>
<tr>
<td></td>
<td>21' to 30'</td>
<td>Case II N=D'+1&quot;</td>
</tr>
<tr>
<td></td>
<td>over 30'</td>
<td>Special Design</td>
</tr>
</tbody>
</table>

3. When the Contractor selects the option of installing plastic pipe, such option shall apply to a minimum reach of the sewer between any two manholes and shall include all house connection sewer laterals within that reach.

306-1.1.8 Unsuitable Material. The conditions and requirements for the determination and disposition of unsuitable material in trench excavations shall be in accordance with Section 300-2.2, “Unsuitable Material” of the Standard Specifications.

306-1.1.9 Steel Plate Bridging. If, at the end of the working day, open trench backfilling operations have not been properly completed, steel plate bridging shall be required to make the entire roadway section safe and available to pedestrians and the travelling public. The maximum length of steel plate bridging allowed over an open trench for the entire project is 50 feet unless the Contractor obtains prior written approval of the Engineer. Placement of steel plate bridging shall be approved by the Engineer.

   The steel plate bridging installation shall conform to the following:

1. For speeds more than 45 mph: The pavement shall be cold planed to a depth equal to the thickness of the plate and to a width and length equal to the dimensions of the plate.

2. For speeds 45 mph or less: Approach plate(s) and ending plate (if longitudinal placement) shall be attached to the roadway by a minimum of 2 dowels pre-drilled into the corners of the plate and
drilled 2 inches into the pavement. Subsequent plates are butted to each other. Fine grade asphalt concrete shall be compacted to form ramps, maximum slope 8.5% with a minimum 12 inch taper to cover all edges of the steel plate. When steel plates are removed, the dowel holes in the pavement shall be backfilled with either graded fines of asphalt concrete mix, concrete slurry, or an equivalent slurry satisfactory to the Engineer.

The Contractor shall be responsible for maintenance of the steel plates, shoring, and asphalt concrete ramps.

Unless a prior permission is obtained, steel plate bridging should not exceed 4 consecutive working days in any given week. Backfilling of excavations shall be covered with a minimum 3 inch temporary layer of cold asphalt concrete.

The following table shows the minimum thickness of steel plate bridging required for a given trench width:

<table>
<thead>
<tr>
<th>Trench Width</th>
<th>Minimum Plate Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>23&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>31&quot;</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>41&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>63&quot;</td>
<td>1 1/4&quot;</td>
</tr>
</tbody>
</table>

For spans greater than 63", a structural design shall be prepared by a California registered Civil Engineer.

Steel plate bridging shall be steel designed for HS20-44 truck loading per the State Bridge Design Specifications Manual. The Contractor shall maintain on the steel plate a non-skid surface having a minimum coefficient of friction equivalent to 0.35 as determined by California Test Method 342. If a different test method is used, the Contractor may utilize standard test plates with known coefficients of friction to correlate skid resistance results to California Test Method 342. These test plates are available from Caltrans District Materials Engineer.

A Rough Road sign (W33), with black lettering on an orange background, may be used in advance of steel plate bridging. This sign is to be used along with other required construction signing.

306-1.2.1 Bedding. Pipe bedding shall be per Std. Dwg. No. 452, Case I, unless otherwise shown on the Plans.

306-1.3 Backfill and Densification. Trench backfill shall be per Std. Dwg. No. 453.

306-1.3.2 Mechanically Compacted Backfill. Impact type pavement breakers (stompers) will be permitted over vitrified clay pipe only after a minimum of four feet of backfill has been placed over the top of pipe and compacted by other means.

306-1.5.1 Temporary Resurfacing. Temporary resurfacing shall be required only at times and
locations determined by the Engineer during construction. Payment for temporary resurfacing shall be
the included in the bid item requiring temporary resurfacing and shall include full compensation for
furnishing, placing, maintaining, removing, and disposing of such temporary materials.

306-5 ABANDONMENT OF CONDUITS AND STRUCTURES

306-5.1 General. Abandonment of Conduits and Structures includes the abandonment and
demolition of existing sanitary sewer pipe, manholes, and other appurtenant structures in accordance
with the requirements of Section 306-5 of the Standard Specifications as modified by these special
provisions.

Abandonment and demolition of existing sewer main and manholes shall include all labor,
equipment, materials and incidentals necessary to remove interfering portion and legally disposal of the
removed items or abandon in place the existing sewer main and manholes in the locations specified in
the plan drawings. Work required to complete this task includes, but is not limited removing and
salvaging to the owner manhole frame and cover assemblies, filling existing underground pipelines with
sand or cellcrete, removing and hauling to disposal the uppermost 4-feet of the manhole barrels,
breaking out the manhole bases to allow drainage and abandoning the concrete in the hole, backfilling
the remaining portions of the manholes with sand to a depth of 3-feet below surface grade, backfilling
and compacting the manhole location within 4-feet of the surface with approved backfill materials, and
completing necessary surfaces repairs as required to complete the work.

306-5.1.1 Measurement and Payment. Payment for bid item “Abandon Existing Sewer
Manholes” shall be made at the contract unit price per each as shown in the contract bid schedule.

Existing manhole frames and covers to be salvaged shall be delivered to the City of Riverside
Water Quality Control Plant located at 5950 Acorn Street. The Contractor shall contact Ponce Navarro
at (951) 351-6195 for delivery location and instructions. The payment for delivery of the salvaged
manhole frames and covers shall be included with the payment for “Abandon Existing Sewer Manhole”
and no additional compensation will be made.

Payment for “Abandon Existing 6-inch Sewer Main” and “Abandon Existing 8-inch Sewer
Main” shall be made at the contract unit price per linear foot as shown in the contract bid schedule.

306-7 CURB DRAINS

306-7.1 General. Two 30" long No. 3 reinforcing bars shall be embedded in the curb, centered
over the drain. ABS pipe is not allowed.

314 TRAFFIC STRIPLING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT
MARKERS
Striping and pavement markings shall conform to Section 84 “Traffic Stripes and Pavement Markings” of the State Standard Specifications.

Pavement markers shall conform to Section 85 “Pavement Markers” of the State Standard Specifications.

Unless otherwise noted, Thermoplastic paint shall be utilized for the project. All cat-tracking shall be in place within 48 hours from the completion of asphalt overlay and/or rubberized emulsion-aggregate slurry application. Unless otherwise approved by the engineer; once cat-track is complete, a request for cat-track approval shall be forwarded to the project manager or inspector. Contractor shall allow 2 working days for cat-track approval. Once cat-track is approved, striping installation shall commence within 2 working days, except in cases where loop detectors are required or slurry has been installed. In cases where loops are required, loops installation is to commence within 2 working days of cat-track approval and striping work shall commence within 2 working days of loop install completion. However, in areas where slurry is installed, a minimum of 7 days shall lapse between slurry and striping installation.

The thermoplastic material shall be applied by extrusion method in a single uniform layer. Stencils shall be used when applying thermoplastic material for pavement markings. The pavement surface to which thermoplastic material is applied shall be completely coated by the material and the voids of the pavement surface shall be filled.

If paint (2 coats) is specified it shall consist of painting traffic stripes and pavement markings, including applying glass beads. The material and application of the paint materials shall conform to the provisions of Section 84-3, “Painted Traffic Stripes and Pavement Markings”, of the State Standard Specifications.

Temporary pavement delineation, including but not limited to raised flexible reflective tabs and/or reflective adhesion tape, shall be installed and maintained by the Contractor during or between construction stages and operations for the purpose of providing traffic control and public safety. The specific type or method of temporary pavement delineation used by the Contractor shall be approved by the Engineer prior to application. Installation and maintenance of all temporary pavement delineation shall not be considered as “extra work”. Payment for temporary pavement delineation shall be considered as included in the Contract price(s) paid for the other Contract items unless specifically identified as a separate Contract item. Temporary and/or permanent pavement delineation performed by the Contractor at the direction of Engineer for reasons or circumstances beyond the Contractor's control (excluding weather related construction delays) shall be considered as “extra work”.

When using raised flexible reflective tabs or reflective adhesion tape for temporary pavement delineation along the direction of travel (longitudinal lines), temporary stripes shall be placed on the pavement surface at a 6 inch or 12 inch offset left of the proposed permanent pavement stripe. Prior to the application of the permanent stripe the Contractor shall remove the tabs or tape from the pavement surface. Removals must be coordinated with the labor force (Contractor's) performing the permanent pavement delineation.

When reflective adhesive tape is used for lane delineation, a minimum of 3-foot strip of tape
shall be placed at 12-foot intervals (gaps) regardless of the posted speed for the zone requiring temporary striping. When raised reflective tabs are used for lane delineation, the tab spacing shall not exceed 24 feet. Raised flexible reflective tabs shall not be utilized for limit lines (stop bars) or crosswalks without prior approval of the Engineer.

When temporary pavement delineation is needed on a roadway surface that has been grinded, temporary paint shall be utilized. Said temporary pavement delineation must match the alignment, spacing, color, and paint requirements of the permanent or previous pavement delineations. Contractor must maintain the visibility of the temporary paint and re-apply new coats as deemed necessary by the Engineer.

When temporary pavement delineation is needed on a roadway surface that has been slurried, the Contractor shall not use reflective adhesion tape or temporary paint. The Contractor shall use raised flexible reflective tabs that follow the alignment of the permanent paint. Prior to the application of the permanent stripe the Contractor shall remove the tabs from the pavement surface. Removals must be coordinated with the labor force performing the permanent pavement delineation.

Traffic stripes shall be measured by the linear foot without deduction for gaps in the broken traffic stripes. Striping details having double stripes consisting of two 4-inch-wide yellow stripes separated by a 3-inch-wide gap is measured as a single traffic stripe. Pavement markings shall be measured by the area covered in square feet.

Payment for striping and pavement marking installation shall be made at the respective contract unit prices and shall include furnishing all labor, material, tools, equipment, traffic control, and incidentals necessary to apply the striping and pavement markings as shown on the plans and/or as directed by the engineer.

Pavement markers shall be placed in conformance with the provisions in Section 85, "Pavement Markers," of the State Standard Specifications. Attention is directed to "Traffic Control System For Moving Lane Closure on Multilane Highways" (Standard Plan T16) of the State Standard Plans regarding the use of moving lane closures during placement of pavement markers. The Contractor shall furnish the Engineer certificates of compliance for the pavement markers in conformance with the provisions in Section 85-1.01B, "Submittals", of the State Standard Specifications.

Pavement markers associated with striping details shall be included and paid for in the respective unit price paid for the striping detail and no additional payment shall be made therefor. Individual pavement markers, with the exception of the two-way blue reflective markers, not associated with a striping detail shall be measured and paid for by the respective unit price. Full compensation for removing pavement markers, when no longer required, shall be considered as included in the contract unit price paid for striping.

The Contractor shall be required to furnish and install Stimsonite Model 88AB Two-Way Blue Reflective Markers as shown on the City of Riverside Public Utilities Department Standard Drawing CWD-700. Payment for the Stimsonite Model 88AB Two-Way Blue Reflective Markers shall be included in the payment for striping and no additional payment shall be made therefor.
315 ROADSIDE AND STREET NAME SIGNS

315-1 Placement of Roadside Signs. Roadside sign(s) shall include installation of sign panel(s), fastening hardware, back braces, straps and saddle brackets, and frame assemblies for multiple sign panels. A roadside sign includes a traffic sign with 1 or more sign panel(s) attached to a supporting structure. A supporting structure is typically 1 or 2 posts, a signal standard, or street light standard.

The sign must not be chipped or bent. Traffic sign face shall be 3M Diamond Grade DG3 Reflective Sheeting (ASTM XI) with protective graffiti film. All warning signs shall have a fluorescent yellow background and school signs shall have a fluorescent yellow-green background. Sign and/or post installation shall be per City of Riverside Standard Drawing No. 664.

Payment.
  a. A roadside sign consisting of 1 post with attached sign panel(s) is paid for as 1 “Roadside Sign – One Post.”
  b. A roadside sign consisting of 2 posts with attached sign panel(s) is paid for as 1 “Roadside sign – Two Posts.”
  c. Roadside sign panel(s) attached via strap and saddle bracket method or attached to an existing post is paid for as 1 “Roadside Sign – No Post.”
  d. Relocated sign panel(s) onto an existing signal or light standard is paid for as 1 “Relocate Sign – No Post”.
  e. Relocated sign panel(s) which require a new post is paid for as 1 “Relocate Sign – One Post.”
  f. Sign(s) identified for removal shall include removal of sign panel(s) and post(s)/foundation(s) if applicable, and shall be paid as “Remove Sign.”

315-2 Placement of Street Name Signs. Street Name Signs shall include installation of sign panels (both streets), breakaway signpost system if applicable and fastening hardware to provide a complete street name sign unit. The street name sign installation shall be per City of Riverside Standard Drawing No. 662.

Payment.
  a. Street name sign shall consist of street name sign panel(s) (both streets), fastening hardware and breakaway signpost system, as noted on the plan or in the field by the engineer or his representative, shall be paid for as 1 “Street Name Sign.”
  b. Street name sign identified for removal shall include removal of sign panel(s) and post(s)/foundation(s) if applicable, and shall be paid as “Remove Sign.”

END OF PART 3.
7-1.01 **Description.** Furnishing and installing and modifying traffic signals, highway lighting, flashing beacons and sign illumination, and payment therefore shall conform to the provisions in Section 86 “Signals, Lighting and Electrical Systems,” of the State Standard Specifications and these Special Provisions (See Section 2-5 herein).

Traffic signal and lighting work is to be performed at the following locations:

1. **Central Avenue at Hillside Avenue – Plan No. X-346B**
2. **Central Avenue at Streeter Avenue – Plan No. X-404A**
3. **Chicago Avenue at Country Club Drive – Plan No. X-447A**
4. **La Sierra Avenue at Vista Terrace – Plan No. X-277A**
5. **Magnolia Avenue at Overland Street – Plan No. X-306B**
6. **Sierra Vista Avenue at Pierce Street – Plan No. X-480B**
7. **Van Buren Boulevard at Challen Avenue – Plan X-478A**
8. **Lime Street at Sixth Street – Plan No. Lime-RRFB**

7-1.04 **Equipment List and Drawing.** Equipment list and drawings of electrical equipment and material shall conform to the provisions in Section 86-1.04, “Equipment List and Drawings”, of the State Standard Specifications and these Special Provisions. The Caltrans HC-30 form or one similar shall be submitted to the Engineer. Also, see required submittal with the bid proposal.

The controller cabinet schematic wiring diagram and intersection sketch shall be combined into one drawing, so that when the cabinet door is fully open, the drawing is oriented with the intersection. The size of the plan containing said diagram and sketch shall not exceed 30" X 42". The cabinet schematic wiring diagram shall have point-to-point designations. Detector plug, and/or slot and channel (if applicable) designations shall be marked on the intersection sketch.

The Contractor shall furnish two sets of operation and maintenance manuals for all controller units, auxiliary equipment, vehicle detector units, and control units. The maintenance manuals or combined maintenance and operation manual(s) shall be submitted at the time the controller assemblies are delivered to the signal lab located at 8095A Lincoln Avenue, Riverside, for testing or, if ordered by the Engineer, previous to delivery. The maintenance manual shall include, but need not be limited to, the following items:

(a) Specifications

(b) Design characteristics
All equipment and material that the Contractor proposes to install shall conform to these specifications and the contract plans. A list of substitute equipment and/or materials along with a written descriptive summary, describing the functions of the components, which the Contractor proposes to install, shall be submitted along with Contractor’s bid proposal. The list shall be complete as to the name of manufacturer, size, and identifying number of each item. The list shall be supplemented by such other data as may be required including reference to certified Intertek equipment. Substitution shall not be allowed for products certified or listed in the Intertek LED Traffic Signal Modules Certification Program (www.intertek-etsemko.com/ledtraffic) or for products governed by the State of California Department of Transportation Pre-Qualified Products List (QPL). Refer to Section 7-3 and 7-4 of these Special Provisions.

If these Special Provisions specify manufacturers’ names along with the term “City approved equal”, the following shall apply:

If the Contractor proposes to furnish equipment and/or material other than that specified in the Contract Special Provisions, a sample of the item(s) must be submitted to the Engineer to determine its equality. The item(s) must be reviewed prior to the beginning of construction and will not be accepted for installation unless approved by the Engineer. Judgment shall be based on intended use, maintenance, quality and interchange ability, if applicable.

In all cases, the judgment of the Engineer shall be final as to whether substitute equipment and/or materials, recommended by the Contractor, conform to the intent of these specifications and are acceptable for use.

7-1.06 Maintaining Electrical Systems. Traffic signal system shutdowns shall be limited to periods between the hours of 8:30 a.m. and 3:30 p.m., or as specified by the Engineer.

In lieu of 30” Stop Signs, 36” Stop Signs are required.

The traffic signal inspector shall be notified 72 hours prior to a traffic signal shut down and shut downs shall not occur on Fridays or on a day before a holiday unless prior authorization is obtained.
7-2.04 **Standards, Steel Pedestals and Posts.** All standards shall be installed 2" above the finished surface (grade). The void between the base plate and surface shall be filled with dry packed concrete conforming to the provisions of the fourth paragraph of Section 86-2.03 of the Standard Specifications.

When a standard or mast arm is relocated, new nuts, bolts, cap screws and washers shall be provided by the Contractor, and shall conform to the requirements for hardware used with new standards.

All Type 1A standards shall be aluminum. Anchor bolts, bolt circle, threads, nuts and washers shall conform to the Standard Plans. Anchor bolt covers are required.

7-2.05 **Conduit.** Conduit shall conform to the provisions in Section 86-2.05, “Conduit” of the State Standard Specifications and these Special Provisions.

Split-bolt or set screw couplings are not allowed.

Loop stub-outs shall be Schedule 40 PVC or better. All other conduit shall be Type 1 rigid steel, as specified in the Standard Specifications.

In lieu of installing conduit by jacking or drilling, as provided for in Section 86-2.05C, “INSTALLATION” of the State Standard Specifications, conduit shall be placed in paved roadways by the trenching method in accordance to the provisions of said Section 86-2.05C, except that 376 pounds of cement per cubic yard will be used in lieu of the 564 specified. A minimum of 12” cover shall be maintained over top of conduit and the Trench Backfill shall be per City of Riverside Standard Drawing No. 453. Conduit shall be type 1.

Insulated bonding bushings will be required on metal conduit.

After conductors have been installed, the ends of conduits terminating in pullboxes and controller cabinets shall be sealed with an approved type of sealing compound.

The Contractor shall be responsible for modifying (includes directing spray away from cabinet, if necessary), and repairing existing sprinkler system(s) in the parkway, if said systems interfere with conduit and appurtenant installations. The property owner(s) shall be notified of these alterations and requested to test the facility before the Engineer will accept this work.

7-2.06 **Pullboxes.** Pull boxes shall conform to the provisions in Section 86-2.06, “Pull boxes” of the State Standard Specifications and these Special Provisions.

Pull boxes shall be No. 6 unless otherwise indicated on plans. All pull boxes shall be precast of reinforced Portland cement concrete (PCC).

Any pull box in which four (4) or more conduits terminate shall be # 6 or larger.

All pull boxes to be installed shall be surrounded by a 6" wide x 3 1/2" to 4" deep
concrete pour, excepting those placed within improved PCC or asphalt concrete sidewalk area.

Pull boxes not protected by PCC or asphalt concrete curb or located at any point in medians or subjected to vehicular traffic shall be State of California, Department of Transportation traffic pull box (Type T) and installed per ES-8.

Non-traffic bearing pull box lids for No. 3 ½ and No. 5 shall be PCC. Composite reinforced fiber lids shall be used for No. 6 pull boxes. Composite reinforced fiber lids are subject to City approval.

All new pull box covers shall be marked “Traffic Signal”.

The Contractor shall grout any existing pull boxes that are to remain in place and are not grouted with material specified in Section 86-2.06 of the State Standard Specifications. The Contractor shall excavate within the pull box, to proper depth prior to grouting.

7-2.08 Conductors, Cable, and Wiring. Conductors and wiring shall conform to the provisions in Section 86-2.08, “Conductors” and Section 86-2.09, “Wiring” of the State Standard Specifications and these Special Provisions.

In lieu of individual conductors for vehicle and pedestrian signals and pedestrian push buttons, signal cable shall be installed and shall conform to the provisions of Section 86-2.08D, “Signal Cable” of the State Standard Specifications. Installation shall be as follows:

1. A 12-conductor cable shall be installed from the cabinet to each pole unless otherwise indicated on the plan(s).

2. A 3-conductor cable (pedestrian push button) shall also be installed from the cabinet to each pole. An additional 3-conductor cable must be provided if two pedestrian push buttons are located on the same pole.

3. A vehicle preemption cable shall be installed from the cabinet to the respective pole. An additional preemption cable shall be installed if two detectors are located on the same pole.

4. No splices will be allowed for the installation of the conductors for Items 1, 2, and 3 above.

5. Each conductor and cable shall be identified in the controller cabinet.

6. Other required cables, detectors and interconnect, and conductors for luminaires, I.I.S.N.S., vehicle preemption and signal service shall be installed as indicated in the Conductor Schedule.

7. Conductor identification for signal phasing shall be as directed in the field by the Traffic Engineer or his representative.
The third paragraph in Section 86-2.08, “Conductors” of the State Standard Specifications is amended to read:

The Contractor shall be responsible to install the number of conductors and/or cable(s) needed to operate the electrical system(s). Omissions in the conductor schedule or unnumbered conduit runs shall not constitute “Extra Work”. This also pertains to conductors for future phases indicated on the plan(s) for installation.

Conductors for each inductive detector loop shall be Type 2.

If a “C” shaped compression connector is used for splicing, the conductors shall also be soldered.

Splicing for signal modifications as specified in Subsection 86-2.09D, “Splicing and Terminations,” of the State Standard Specifications will not be allowed unless otherwise indicated on the contract plan(s).

For splicing commons, the ends of the conductors shall be crimped and soldered to secure connections.

The minimum insulation thickness, at any point, for USE, RHH or RHW wire shall be 1.0mm for conductor sizes No. 14 to No. 10, inclusive, and 1.3 mm for No. 8 to No. 2, inclusive. The minimum insulation thickness, at any point, for Type THW and TW wires shall be 0.69 mm for conductor sizes No. 14 to No. 10, inclusive, 1.02mm for No. 8 and 1.37mm for No. 6 to No. 2 inclusive.

Service conductors for traffic signal systems shall be No. 6 AWG, unless otherwise noted on plan. All service conductors shall be continuous between controller and service point, and no splices will be allowed.

Wire for multiple street lighting systems shall be rated for 600-volt operation and shall have black polyvinyl chloride insulation.

**Signal Interconnect Cable.** Signal Interconnect Cable (SIC) shall be in accordance with the provisions of Section 86-2.08E, “Signal Interconnect Cable”, of the State Standard Specifications except that conductors shall be 19 gauge AWG solid twisted pairs; the grounding conductor is not required. A sample of SIC and splicing material to be used shall be submitted to the Engineer prior to installation

Unless otherwise indicated on the plan(s), six pair interconnect is required.

Notice shall be given, 48 hours in advance, to the City prior to any splicing. All final splicing shall be done in the presence of the Engineer or his representative.

**FUSED SPLICE CONNECTORS.** Fused splice connectors as specified in Section 86-2.095, “Fused Splice Connectors”, of the State Standard Specifications will be required; the fuse
shall be rated at 10 amperes.

7-2.10 **Bonding and Grounding.** Bonding and grounding shall conform to the provisions in Section 86-2.10, “Bonding and Grounding”, of the State Standard Specifications and these Special Provisions.

Equipment grounding conductors will not be required in conduit containing loop lead-in cables only.

7-2.11 **Service.** Service shall conform to the provisions in Section 86-2.11, “Service”, of the State Standard Specifications and these Special Provisions.

The contractor shall be responsible to furnish a TV1 signal mount for all 1A service mounts. This shall be delivered to the signal maintenance shop at 8095A Lincoln Avenue, Riverside, CA for fabrication.

New signal service shall be installed by the Contractor in accordance to the appropriate Std. Dwg.; contact the City Public Works Department, 951-782-5688, at least four weeks in advance for processing the request for service connection(s).

THE CITY WILL FURNISH ALL CIRCUIT BREAKERS AND HOUSING FOR ALL CITY CONTRACTS.


The cabinet and controller and related equipment, including a battery back-up system shall be delivered to the signal maintenance shop at 8095A Lincoln Avenue, Riverside, CA for testing 20 working days prior to installation in the field.

No testing of the cabinet or equipment will start until all of the equipment is delivered to the signal maintenance shop.

7-2.16 **Painting.** Painting shall conform to the provisions in Section 86-2.16, “Painting”, of the State Standard Specifications and these Special Provisions.

For controller cabinet, see Sec. 7-3 of these Special Provisions.

7-3 **CONTROLLER UNITS, CABINETS AND AUXILIARY EQUIPMENT**

7-3.1 **Solid State Traffic Actuated Controllers.** Solid-state traffic actuated controller units, cabinets, and auxiliary equipment shall conform to the provisions in Section 86-3, “Controller Assemblies”, of the State Standard Specifications and these Special Provisions.

When the plan sheets and/or Special Provisions call for special functions, features, future detector loops, or additional future phasing, all necessary cabinet wiring, connecting cables, support bases, phase timing modules, signal load units, circuitry, and other necessary equipment
shall be provided to perform the future phasing, detections, and special functions and features.

MODEL 2070 CONTROLLER ASSEMBLY

The cabinet, Model 332, shall be in accordance with the provisions of Section 86-3.03, “Model 170 and Model 2070 Controller Assemblies”, of the State Standard Specifications and these Special Provisions. The controller assembly shall be a McCain 2070 or approved equal.

The Type 2070 controller assembly shall consist of a Model 2070 controller unit, completely wired Model 332 controller cabinet, Model LMD222 solid state output inductive loop detector sensor units (See Sec. 7-6 of this PART 7), Model 242 isolators, and Model 210ECL conflict monitor. Model 2070-6B dual 1200 baud modem, flasher units, and other equipment required to provide a complete control system shall be furnished and installed. The 332 cabinet shall incorporate a PDA2 power distribution assembly. The software program shall be Bi Trans Systems, Inc. No. 2033 or the latest version thereof.

If the contract plan(s) indicates 2 ea. Model 2070 controller units to be housed in 1 ea. 332 cabinet, one unit shall serve as the master control for coordinated traffic operations between signalized intersections. The cabinet shall be completely wired including all appurtenances for this operation. All ports for system communications, including telephone, shall be provided. The system master unit shall have 4 ports.

On the PDA2 power assembly, wire termination on the backside of T1, T2 and T4 terminal blocks shall be soldered connections. Crimp terminals fastened with screws will be rejected.

Crimp terminals on connecting cables between input files and input panel terminal blocks shall be crimped and soldered.

All output files shall be completely wired to monitor RED failure.

For load switches, Pin 11 on all load switch sockets shall be wired to AC-. Individual indicator lamps shall be provided to monitor inputs and outputs.

All load switch sockets shall have individual wire terminals; printed circuit boards will not be allowed.

Monitoring device channels 9 and 10 shall be wired in order that Ped. Yellow monitoring or unterminated wires may be selected by a connector assembly.

The input file shall be wired to accept the pre-empt module required for vehicle pre-emption specified elsewhere in these Special Provisions. Also, see “Vehicle Pre-emption” wherein this section for other cabinet requirements(s). Green monitoring harnesses for 3M brand opticom modules will be factory installed.

Cabinet finish (interior and exterior) shall be anodic coating as specified in Section 86-

The cabinet features shall include push buttons for manual actuation of all vehicular and pedestrian phases. The buttons shall be mounted on the front door panel and enclosed in a suitable metal housing. The cabinet shall also be provided with a fluorescent lamp for interior lighting. Said lamp shall be mounted on the fan plenum and illuminate both front and rear of the cabinet. Light switches shall be provided for both doors.

The controller cabinet shall be equipped with a document drawer/shelf.

Two (2) complete manuals and four (4) complete cabinet wiring diagrams shall be supplied.

Attention is directed to “TESTING” included elsewhere in these special provisions.

**Turn On**

The Contractor shall arrange to have a signal technician, qualified to work on the controller and employed by the controller/equipment manufacturer or its representative, present at the time the controller/equipment is turned on. This includes when an existing traffic signal system is modified. Traffic signal turn ons shall not be scheduled on Fridays or the day before a holiday unless prior authorization is obtained.

Standards (poles) shall not be placed on foundations until five (5) working days before scheduled turn on and the service has been energized.

No Traffic Signal System shall be turned on until all equipment and signage are installed.

The intersection must be cleaned and swept completely prior to the traffic signal turn-on. Clean up includes but is not limited to:

- Signal poles, signal mast arms, signal heads, signal head visors, signal head lenses, traffic safety lights, controller cabinet, battery back-up cabinet, signs, side walks, curbs, gutters, intersection within 150m (500’) in all directions, etc.

**Vehicle Pre-emption.** Vehicle pre-emption shall conform to the applicable provision of the Standard Specifications and these Special Provisions. New vehicle pre-emption shall be 100% compatible with existing City of Riverside vehicle pre-emption equipment.

The pre-emption system shall be able to identify certain designated vehicles as high priority (emergency types such as fire, police, etc.) and low priority (transit types) via a transmitted optical signal and process for activation of the appropriate phase green or hold a displayed phase green. Pre-set codes in the systems processor (phase selector) shall recognize each vehicle’s priority and its class (fire, bus, etc.). The system shall operate on a first come, first served basis except that high priority vehicles shall take precedence over low priority vehicles.
Vehicle Pre-emption equipment/component parts shall be warranted by the manufacturer in a documented system-protection plan for the first five (5) years from the date of shipment from the manufacturer. Furthermore, said equipment shall be covered for an additional five (5) years of maintenance, repair or replacement at a fixed charge for a total of ten (10) years of product protection coverage.

A complete intersection vehicle pre-emption system shall be installed at the intersection(s) as indicated on the contract plan(s) and shall consist of optical detectors (signal receiver(s) mounted on the indicated signal poles’ mast arm (the exact position to be determined in the field.)); an encoded phase selector within the controller cabinet to activate the phase green; and all cabinet and field wiring to provide an operating system.

The optical detector shall be housed in a weatherproof high impact non-corrosive fabricated material; mounting hardware shall also be non-corrosive. Said detector shall incorporate a built-in terminal strip for wire connections.

The optical detector shall have an adjustable responsive range up to 2,500 feet from a discrete optical light source; said discrete light source shall be identified for the proper preemption. Operating ambient temperature range shall be –30 degrees C to +60 degrees C. To achieve optimum operation, the appropriate detector to receive the required optical inputs and electrical outputs (to phase selector) shall be as recommended by the manufacturer.

The phase selector unit provided shall be for the Model 170E, 170ATC-CF, 2070 or a N.E.M.A. controller as indicated on the plan(s). Installation shall not cause cabinet modification or disrupt normal traffic signal operation unless a valid transmittal is received from an optical detector. The phase selector shall be a two-channel device and provide the following functions and features:

Functions:

Only one priority control output (phase green) shall be active at a time.

High priority signals shall override low priority signals in the same channel or from channel to channel.

The unit shall have three (3) levels of discriminating the signal.

All valid signals shall be logged and stored in non-volatile memory; data shall be maintained when power is removed. The following information shall be stored:

a. Class
b. Code
c. Priority
d. Direction
e. Call duration
f. Final greens at end of call
g. Duration of final greens displayed
h. Time call ended (real time)
I. If vehicle passed through intersection

Features:

A port (RS 232 interface) for remote communication via modem.

A test switch for each channel.

A pilot light and call status indicator lights.

Error diagnostic capabilities.

The detector cable shall be a shielded, 3-conductor 20-gage cable with a drain wire and shall conform to the detector and selector manufacturer’s recommendation.

7-4 SIGNAL FACES AND SIGNAL HEADS

Signal faces and signal heads shown on plans and the installation thereof shall conform to the Intertek LED Traffic Signal Modules Certification Program and shall include the ETL Verified Label.

Signal auxiliary equipment necessary for the installation of the signal faces and signal heads shall conform to Section 86-4, “Traffic Signal Faces and Fitting”, of the State Standard Specifications and these Special Provisions.

The contractor shall cover all the non-functioning vehicle heads and pedestrian heads utilizing signal head covers which are specially fabricated for that purpose. Covers shall be designed to be easily installed by hand without the use of tools. Signal head cover shall be made from outdoor grade, weather resistant material of a tan color. The size of the cover shall closely fit and encapsulate the applicable signal head with stretch material. The cover shall be secured in place with bolt snaps attached to elastic straps. The straps shall be permanently attached to the cover. Cardboard and bags shall not be allowed to cover signal heads.

Signal section housings, backplates, visors, etc. shall be metal; plastic parts are not acceptable.

One new complete signal or pedestrian indication shall be provided to the City for each new or modified traffic signal system installed. Pedestrian indication shall be equipped with an audible pedestrian unit (“CUCKOO” and “PEEP-PEEP” sound) mounted within the housing of the pedestrian signal on the walk symbol side, see section Audible Pedestrian Traffic Signal for additional details. Contractor shall contact the Traffic Signal Shop at (951) 351-6098 to make a determination on the additional indication to be supplied. The indication may be a complete MAS, SV-1-T, TV-1-T, or SP-1-T (with countdown module and internal audible). The
indication(s) shall be delivered to the Traffic Signal Shop located in City Yard, 8095A Lincoln Avenue, prior to any traffic signal equipment installation.

New signal heads, vehicular and pedestrian, and appurtenant framework and terminal compartments shall be furnished with a powder coating finish. Prior to application of the powder coating, pre-treatment processing shall be chronologically as follows: (1) degreasing, (2) water rinse, (3) an iron phosphate bath, (4) water rinse and (5) seal bath.

Application of the powder coating shall consist of a dry off cycle at 300 degrees to 400 degrees F for a minimum of 10 minutes, followed by the electrostatic application of said coating at 75,000 to 90,000 volts. The final process shall be a heat treatment of 20 minutes at 400 degrees F.

Acceptance of powder-coated signals that do not meet the processing requirements must be by written approval of the Traffic Engineer. It will be the burden of the Contractor to demonstrate that the non-conforming process is equal to or exceeds the requirements specified herein.

7-4.02 5-Section Right-Turn Overlap Indication Contractor shall install a 1200-ohm ceramic resistor for each right-turn arrow (green and yellow) face. Contractor shall omit installation of the resistors if two (2) 5-section signal heads (near and far side) are required for the right-turn overlap operations.

7-4.04 Backplates. Sections shall be joined using: (1) aluminum rivets and washers; or (2) machine screws #8 or #10 X 32 with washer, lock washer and nut; or (3) a combination of (1) and (2). Rivets, washers, and nuts shall be painted to match backplate. Note; all fastener holes in the backplate shall contain a fastener.

Backplates shall be secured to the signal heads as indicated in the Standard Plans, with the added requirement that the screws shall also be TRUSS types; all screw holes for this purpose must contain screws. The Traffic Engineer must approve any deviation from these requirements.

All bolts, nuts, screws and washers shall be either brass, hot dipped galvanized or stainless steel for mounting pedestrian signals, and traffic signals to aluminum standards, pedestrian posts, and steel standards; except, that stainless steel shall be used for push buttons and push button signs.

Visors. All visors shall be tunnel, except cut-off types. Attachment screws for visors shall be truss head type No. 10 machine screws. Holes for visor attachment screws shall be tapped for machine screw threads. In addition, if a common hole is used for visor and lens attachment, the screws shall be of sufficient length not to cause BOTTOMING OUT. The downward tilt for all visors shall not exceed 3 degrees.

Visors shall be approximately 12" in length 12" lens, unless otherwise noted on plans.
All signal faces shall be provided with 12-inch sections.

The signal heads furnished for this project shall be supplied with the energy saving L.E.D. indications. These L.E.D. indications shall consist of a hermetic unit containing the lens, power assembly and diodes. All L.E.D. modules shall be certified in the Intertek LED Traffic Signal Modules Certification Program and shall include the ETL Verified Label. The modules shall be warranted for a minimum of five years from date of installation against failure. One complete signal head shall be delivered to the signal maintenance shop for approval and testing prior to field installation. All modules must be certified in the Intertek LED Traffic Signal Modules Certification Program and be labeled with the ETL Verified Label.

All standards shall be drilled for mounting signal hardware and equipment. The use of signal mounting clamps is prohibited.

All terminal compartments, post-top adapters, and MAS mountings, etc., shall be bronze. All other fittings shall be cast iron.

The terminal strip shall be a 12-position pressure type. In addition, the void (hole) and securing mechanism (metal strip and screw) shall be designed to easily accept the insertion of the conductors. The metal contact-securing strip shall have a #10x24 stainless steel screw for pressure adjustment. This void and securing mechanism must easily accept 2-No. 10 conductors and is subject to the Engineer’s approval. Marathon Electric Model No. 1012 or Traffic Signal Hardware Model No. 0567 meets these requirements.

The top head gasket for all signal and pedestrian heads shall be neoprene and shall have a minimum thickness of 1/8 inch. A metal washer of the same diameter size shall be placed on the top of the neoprene gasket to secure and provide a watertight fitting.

When the plans require the relocation of vehicular signals, the Contractor shall provide the necessary framework and modify the existing to accommodate either the circular tapered pole or the octagon concrete pole.

McCain, Peek, Automatic, or Alusig shall manufacture signal heads furnished for this project or a City approved equal. Refer to Sec. 7-1.04 of this PART 7 regarding “City approved equal”.

All signal mounting framework shall incorporate the use of 1 ½” lock nipples.

7-4.05 Pedestrian Signals. Pedestrian signals shall conform to the provisions in Section 86-4.06, “Pedestrian Signal Faces”, of the State Standard Specifications and these Special Provisions.

New pedestrian signals shall be McCain, ICC or City approved equal, and shall include the Z-crate front screen. The pedestrian signal shall be a countdown type, with a solid filled hand on the left-hand side of the pedestrian signal and the numerical “countdown” indication on the
right-side of the pedestrian signal.

New pedestrian heads shall use a single LED module for both symbols. Modules shall have filled LED displays, outline only is not acceptable. Modules shall be warranted for a minimum of five years against failure. All modules shall be listed in the Intertek LED Traffic Signal Modules Certification Program (www.intertek-etlsemko.com/ledtraffic) and include the ETL Verified Label.

If the contract plans and/or these special provisions indicate the installation of auditory pedestrian signals, refer to Audible Pedestrian Traffic Signal herein.

When the plans require the relocation of pedestrian indications, the Contractor shall provide the necessary framework and modify the existing to accommodate either the circular tapered pole or the octagon concrete pole.

**Accessible Pedestrian Signal (APS).** The audible pedestrian signal shall be Polara EZ Comm Navigator 2-Wire (EN2) Model or City approved equal. The system shall include a Central Control Unit and Interconnect Board in the traffic signal cabinet. The system shall be programmed by the contractor and include the audible WALK message, audible locating tone, audible “chirp” and “cuckoo” sounds, and street names.

**Audible Pedestrian Traffic Signal.** The audible pedestrian signal shall supplement the visible “walk symbol” indication, and shall be mounted within the housing of the pedestrian signal on the walk symbol side. Output (electric circuit) shall be generated from the field conductors to the associated pedestrian signal head.

Audio output shall be adjustable. Additionally, audio output may be self-switching, from an adjustable low to an adjustable high, and shall be responsive to external ambient noise. Directional audio outputs for right-of-way designations shall be represented by 2 distinct bird chirping sounds. The northerly and southerly phase(s) shall utilize a “CUCKOO” sound. The easterly and westerly phase(s) shall utilize the “PEEP-PEEP” sound.

Operation parameters shall be:

- 115V AC +/- 15%, 60 Hz, 3 watts
- -20 degrees C to 70 degrees C temperature range
- 90 dB/watts at 1 meter (max.) output

**7-6 VEHICLE DETECTION**

DETECTORS. Detectors shall conform to the provisions in Section 86-5, “Detectors”, of the State Standard Specifications and these Special Provisions.

The Caltrans TEES specification requirement for detectors is amended with the following additional requirements. Detector units are not required to be listed on the Caltrans QPL but compliance with TEES design criteria will be part of the evaluation process. Detector units shall be two channel rack mount with an LCD or LED display of operational parameters.
Programming shall be by front panel mounted momentary contact switches. Detector timing is not required, but may be supplied and will not be subject to front panel programming requirements. Output shall be “solid state”. Currently evaluated and acceptable products are: RENO A&E Type C; EBERLE DESIGN Inc Type LMD222 or LMD 602t; or City Approved Equal.

Detector loop configuration shall be Type D for the front loops nearest to the limit line/crosswalk for all lanes including bicycle lanes. Bicycle lanes shall have Type C loops. Detector loop configuration shall be Type E for the remaining detector loops.

Loop wire shall be Type 2.

In lieu of terminating the detector loop conduit stub-outs as indicated in the Standard Plans, said stub-outs shall terminate at the edge of the gutter; depth shall be below the bottom of the gutter. The lead-in sawcuts shall accommodate this depth providing a smooth transition to the conduit stub-out.

Potholes for detector loop stub-outs shall be capped with asphalt over silica sand.

Hot-Melt Rubberized Asphalt Sealant shall be used for detector loop installation. No exceptions.

All detector loop cables shall be installed prior to the installation of new detector loops. Detector cards meeting the criteria of this section shall be delivered at the time of cable installation. All detector loops shall be spliced on the same day that they are installed to ensure a quick return to actuated operation of the signal.

It shall be the responsibility of the Contractor to layout and mark the pavement surface for all detector loop installations. Loop layout(s) shall be approved by the Traffic Engineer or his representative 48 hours prior to saw cutting.

As directed by the Traffic Engineer, loop lead-in cable and loop wire leads shall be marked to identify the area and/or lane of detection served.

Where curb (PCC) exists and/or is to be constructed as a part of this project, the alignment of the detector loop conduit stub-out(s), new or existing, shall be permanently marked on the gutter, as directed by the Traffic Engineer.

Loop stubouts shall be sized per Caltrans ES-5E and be constructed of schedule 80 PVC electrical conduit.

7-7 LIGHTING AND APPURTENANCES

Luminaires shall conform to the provisions of Section 86-6.01, “High Pressure Sodium
Luminaires”, of the State Standard Specifications, other applicable parts of Section 86-6, and these Special Provisions.

Luminaires shall conform to the City of Riverside Standard Specifications 119 and UGS-801. All luminaires shall be of the “Power Door Type” with full cut-off light distribution.

Luminaires shall be provided with integral lag regulator type ballast and attached photoelectric control; both rated for 120V and 240V operations; volt usage shall be as shown on the plan(s).

The Contractor shall mark installation date on photo controls and lamps as provided for by manufacturers.

7-7.04 Light Emitting Diode (LED) Luminaires. The luminaire includes an assembly that uses LEDs as the light source. The assembly includes a housing, an LED array, and an electronic driver (i.e. power supply). The luminaire shall be a GE Evolve LED Series Roadway Cobrahead, Model ERS2-0-Q2-D1-5-Gray-L, or a City approved equal. The luminaire shall comply with the following requirements:

1. UL listed under UL 1598 for luminaires in wet locations or an equivalent standard from a recognized testing laboratory.
2. Have a minimum operational life of 50,000 hours
3. Expected to operate at an average operating time of 12 hours per day
4. Have an operating temperature range from -40 to 120°F
5. A monolithic LED printed circuit board assembly utilizing Metal Core Printed Circuit Board
6. A nominal correlated color temperature (CTT) of 6000 ⁰K
7. A typical color rendering index (CRI) ≥ 70
8. A locking photocell receptacle with a tool-less orientation
9. A UL Class 2 power supply units (i.e. drivers) operating in DC constant current mode supplying DC forward current for LED operation (no pulsed operation allowed)
10. A Class A sound rating
11. A housing construction consisting of: die cast aluminum, finished with corrosion resistant polyester powder paint, minimum 2.0 mil thickness – gray color, with internally mounted driver(s) on a replaceable door assembly – accessible without tools, corrosion resistant fasteners, include wildlife intrusion protection at mounting arm
12. LED modules/array shall deliver at least 80% of initial lumens, when installed for a minimum of 50,000 hours
13. IESNA LM-79-08 Approved method for electrical and photometric measurements of solid–state lighting products
14. ISNA LM-80-08 Approved method for measuring lumen maintenance of LED lighting sources
15. A 5 year minimum warranty for the replacement or repair of the luminaire due to any electrical failure (including light source and or power supplies/drivers).
7-7.06 **Internally Illuminated Street Name Signs.** Internally illuminated street name signs shall conform to Section 86-6.065, “Internally Illuminated Street Name Signs”, of the State Standard Specifications except that “Ballasts”, “Lampholders”, and “Lamps” sections shall not apply and instead an LED retrofit kit shall be provided. The internally illuminated street name signs shall be per the details shown on the plan(s), and these Special Provisions.

The LED retrofit kit shall have a Five-Year Warranty on parts and labor. It shall operate on a low voltage 24 V System, have all electronic components UL Certified, and have the LED modules water resistant. The LED retrofit kit may be obtained by contacting ILLumEcon at 909-223-3532 or at jim@jimmyer.com. The LED kits shall be specified for standard 6’ or 8’ IISNS frames and shall contain all parts necessary to be mounted on standard IISNS frames.

The LED retrofit kit shall be an ILLumEcon or City approved equal.

Signs shall be Type A.

3M Diamond Grade 3 (ASTM XI) Translucent Reflective Sheeting Series 4090T shall be used in the production of the internally illuminated street name sign panels, or a City approved equal. Refer to Sec. 7-1.04 of this PART 7 regarding “City approved equal”.

MESSAGE. The message, as shown on the plans, shall be displayed on both sign panels. Letters shall be 8" upper case and 6" lower case.

Each sign shall have a photoelectric control cell. This photoelectric unit shall be contained in the sign housing and shall comply with the provisions of Section 86-6.07, “Photoelectric Controls”, of the Standard Specifications.

A shop drawing of the “Message” for each sign shall be submitted for approval prior to fabrication and installation.

7-8 **RECTANGULAR RAPID FLASHING BEACON SYSTEM**

Rectangular Rapid Flashing Beacon (RRFB) shall be a Carmanah R920 Solar Powered Systems and shall be equipped with pedestrian push buttons and advance solar powered flashers. The pedestrian push buttons shall be installed on Type 1A (14-ft) spun aluminum poles. The contractor shall provide foundations for the 1A poles per Caltrans 2015 Standard Plans and Specifications. The flasher units shall be mounted above the “AHEAD” placard or the arrow symbol (sign code W16-7) and below the pedestrian symbol sign (sign code W11-2). Contractor shall trim trees, if necessary, to provide adequate visibility to the signs and flashing beacon system.

7-9 **SALVAGING AND REINSTALLING ELECTRICAL EQUIPMENT**

Salvaging and reinstalling or stockpiling electrical equipment shall conform to the provisions in Section 86-7, “Removing, Reinstalling or Salvaging Electrical Equipment”, of the
State Standard Specifications and these Special Provisions.

Salvaged electrical materials shall be hauled to and stockpiled at the City Yard, 8095A Lincoln Avenue. An appointment to drop off salvaged material shall be scheduled with the project inspector a minimum of 48 hours prior.

Signal gear to be relocated shall be painted per Section 86-2.16, of the State Standard Specifications.

7-10 PAYMENT

Payment for traffic signals and lighting shall conform to the provisions in Section 86-8.01, “Payment”, of the State Standard Specifications and these Special Provisions.

The contract lump sum prices paid for traffic signals and lighting shall include payment for all necessary construction signing, traffic signs, painting of relocated signal gear, all Portland Concrete foundations, fiber optic equipment, vaults, delivery of salvaged electrical equipment, including poles, pickup and delivery of City Furnished equipment to the job site and sprinkler system(s) modification and repairs at the job site.

Full compensation for furnishing, installing, maintaining and removing temporary "Stop Ahead" and "Stop" signs, regardless of the number required, and for covering signs not in use shall be considered as included in the contract lump sum price paid for the signal item involved and no additional compensation will be allowed therefore.

Full compensation for hauling and stockpiling electrical materials shall be considered as included in the contract price paid for the item requiring the material to be salvaged, and no additional compensation will be allowed therefor.
Ac. - Acre
Ang. or - Angle
Area - Spell Out
Ave. - Avenue
Avg. - Average
Blvd. - Boulevard
Calc. - Calculated
C - Center
Cir. - Circle
c.f.m. - Cubic Feet/Minute
c.f.s. - Cubic Feet/Second
corr. - Corrugated
Co. - County or Company
C.M.P. - Corrugated Metal Pipe
C.M.P.A. - Corrugated Metal Pipe Arch
cor. - Corner
C.P. Concrete Pipe
C.R. - Curb Return
cu. ft. - Cubic Feet
c.y. - Cubic Yards
D.G. - Decomposed granite
Dr. - Drive
E - East
E'ly - Easterly
Elev. - Elevation
Est. - Estimate
E.T.W. - Edge of Traveled Way
Ft. - Foot
F.B. - Field Book
Fd. - found
Gar. - Garage
guy - Guy wire or pole
Hse. - House
Irr. - Irrigation Pipe
Lat. - Latereal
L.F. - Linear Feet
Ln. - Lane
Lt - Left
Min. - Minimum
M.O. - Middle Ordinate
M.O.C. - Middle of Curve
N - North
N'ly - Northerly
N.E'ly - Northeasterly
N.W'ly - Northwesterly
N.I.C. - Not In Contract
N.T.S. - Not to Scale
No. - Number
Pl. - Place
Pt. - Point
R - Radius
R & R - Remove and Replace
Rd. - Road
R.E. - Registered Engineer
Rec. - Record
Riv. - Riverside
R/S - Record of Survey
Rwry. - Railway
Rt. - Right
R.W. Hdr. - Redwood Header
S.B. - San Bernardino
SBB&M - San Bernardino Base and Meridian
S - South
S'ly - Southerly
S.E'ly -Southeastery
S.W'ly - Southwesterly
Sec. - Section
Sld. - Shoulder
Sq. - Square
Spk. - Spike
St. - Street
Stk. - Stake
T.P. - Top of Pavement
Typ. - Typical
Vic. - Vicinity
V.P.I. - Vertical Point of Intersection
W - West
W'ly - Westerly

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

STANDARD ABBREVIATIONS

STANDARD DRAWING NO.
TO: City of Riverside - Public Works Department  
3900 Main Street, 4th Flr  
Riverside, CA 92522  
Attn: Gilbert Hernandez 951-826-5148

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Enter onto State Route 91 (SR-91) right-of-way at the University Avenue eastbound exit ramp in the City of Riverside to install (2) roadside signs on new dual wood posts as per plans date stamped, January 4, 2017 by the Caltrans District 8 Encroachment Permits Office and/or to the satisfaction of the Caltrans Representative.

All traffic control work/plans shall be in compliance with Caltrans 2015 Standard Plan and 2014 California MUTCD and/or as directed by the Caltrans Representative.

Notwithstanding General Provision #4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A fee deposit of $492 for inspection and 6 copies of applicable traffic control plans are required at the time of application.

A pre-job meeting with the assigned Caltrans Representative, Ray Behbahani, 909-383-6348, is required at least 7 days prior to start of any work under this permit. Failure to do so may result in permit revocation with no prejudice.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

☒ Yes ☐ No General Provisions  
☒ Yes ☐ No Utility Maintenance Provisions  
☒ Yes ☐ No Storm Water Special Provisions  
☒ Yes ☐ No Special Provisions  
☐ Yes ☐ No A Cal-OSHA permit, if required: Permit No.  
☐ Yes ☐ No As-Built Plans Submittal Route Slip for Locally Advertised Projects  
☐ Yes ☐ No Storm Water Pollution Prevention Plan / Water Pollution Control Plan

In addition to fee, the permittee will be billed actual costs for:

☐ Yes ☐ No Review  
☐ Yes ☐ No Inspection  
☒ Yes ☐ No Field Work

(if any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before May 6, 2017.

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all the other necessary permits and the environmental clearances have been obtained.

PERMIT ENGINEER: Rick Lam  
APPROVED: John Bulinski, District Director

COPY TO:  
File  
Maintenance: Riverside  
Inspector: Ray Behbahani  

BY:  

RICHARD GOH, P.E., District Permit Engineer
In addition to the attached General Provisions, the following checked special provisions are applicable:

☒ A PRE-JOB MEETING WITH THE ASSIGNED CALTRANS REPRESENTATIVE,
Ray Behbahani, 909-383-6348 AT LEAST 7 DAYS IS REQUIRED PRIOR TO START OF ANY WORK UNDER THIS PERMIT. FAILURE TO DO SO WILL RESULT IN PERMIT CANCELLATION AND RESUBMITTAL MAY BE REQUIRED.

☒ Notwithstanding General Provision #4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A fee/deposit of $492 for inspection, and $ for electrical equipment is required at the time of application.

☐ You are required to submit an approved Storm Water Pollution Prevention Plan (SWPPP) for projects with a cumulative disturbed soil area equal or greater than 1 acre, and an approved Water Pollution Control Program (WPCP) for projects with a disturbed soil area less than 1 acre, unless otherwise required by other agencies (RWQCBs, U.S. Army Corps of Engineers, Department of Fish and Game, etc.).

☐ Upon the expiration of this permit, the Permittee is required to apply for the countywide annual maintenance permit for this new facilities installed under the Permit No.: .

☒ The Permittee is required to apply for a separate permit to maintain and/or replace in kind of these facilities on each occurrence upon the expiration of this permit.

☒ The Permittee shall provide the stage construction traffic handling plans, work schedule and a list of all sub-contractors to the Department's Representative at the time of the pre-construction meeting or prior to start construction.

☒ All traffic control, signing and striping shall comply with California MUTCD 2014. It is available at: http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/ca_mutcd.htm


☒ Permittee and/or permittee's authorized contractor/agent are required and responsible to identify the Department's underground electrical systems before performing any excavation work within the right of way.

☒ All personnel shall wear hard hats and orange or lime vests, shirts or jackets as appropriate while on State property.

☒ The Permittee's work shall be subordinated to any operations which the Department may conduct and shall not delay, nor interfere with the Department's Forces or Department's Contractors.

☒ Attention is directed to Standard Specifications Section 7-1.11, Preservation of Property, and Business and Professions Code, Section 8771. The Permittee shall physically inspect the work site and locate survey monuments prior to work commencement. Monuments shall be referenced or reset in accordance with the Business and Professions Code.
Except for installing, maintaining and removing traffic control devices, any work encroaching within 3 feet of the edge of a travel lane for areas with a posted speed limit below 45mph, or 6 feet of the edge of a travel lane, for areas with a speed limit posted at 45mph or higher, shall require closing of that travel lane. Any work encroaching within 6 feet of the edge of the shoulder, shall require closing of that shoulder. Permittee shall notify the Department's Representative, and obtain approval of, all traffic control, lane closures or detours, at least seven (7) WORKING DAYS prior to setting up of any traffic control.

No lane may be closed or obstructed at any time unless specifically allowed per the encroachment permit, shown in approved traffic control plans, and/or as directed by the Department's Representative.

Traffic control is generally authorized between 9:00 AM and 3:00 PM only on Monday through Thursday and until 1:00 PM on Fridays, excluding holidays except specified in the Permit. Lane closure is not allowed on Saturdays, Sundays and designated holidays. The designated holidays are: January 1st, the third Monday in January, the second and third Mondays in February, March 31, the last Monday in May, July 4th, the first Monday in September, the second Monday in October, November 11th, Thanksgiving Day, the day after Thanksgiving Day, and December 25th. When a fixed holiday falls on Saturday, the preceding Friday shall be designated as holiday.

Should any deviation from these procedures or conditions be observed, all work shall be suspended until satisfactory steps have been taken to ensure compliance.

If time extension is necessary, a request for time extension and the accompanying attachments must be made a minimum of two (2) weeks prior to completion date stated on face of permit. If work has not been started before completion date, the permit will be voided. Failure to comply with rules and regulations stated on permit will jeopardize future permit privileges.

"AS-BUILT" PLANS ARE REQUIRED UPON COMPLETION OF ALL WORK. PLEASE REFER TO THE GENERAL PROVISION TR-0045, ITEM 22 FOR THE "AS-BUILT" REQUIREMENTS. NO FINAL INSPECTION WILL BE PERFORMED UNTIL THE DEPARTMENT IS IN RECEIPT OF "AS-BUILT" PLANS.

No vehicle or equipment shall be stored overnight within the right of way; it shall be removed immediately at the completion of the day's work. Refueling of vehicle or equipment within the right of way is strictly prohibited.

Required traffic control devices shall be installed around fixed objects to warn the motoring public for safety. Personal vehicles of the contractor shall not be parked within freeway right of way.

No materials or waste shall be stockpiled within State right of way.

Except as specifically provided herein, all requirements of the Vehicle Code and other applicable laws must be complied with in all particulars.

When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of the traffic lane. The permittee shall not reduce the width of the existing lane to less than 10 feet without written approval from the Department's Representative.

Excavations made within the limits of the right of way shall be backfilled and resurfaced to original condition before leaving the work area unless otherwise authorized by the Department's Representative.
PAGE 3: ATTACHED TO AND MADE PART OF PERMIT NO. 08-16-N-SI-1139

- ☒ Permittee shall be responsible for arranging the services of a qualified traffic control contractor to provide any needed traffic control.

- ☐ The permittee shall arrange a meeting between his field representative, traffic control contractor, Department's Representative and/or CHP at least two (2) weeks prior to start of any work covered under this permit to arrange date and time of starting work and determine appropriate methods of handling traffic. At least 3 working days notice shall be given to the Caltrans representative and/or the CHP, prior to the meeting to allow time to arrange for attendance.

- ☒ A copy of this permit, complete with all attachments, shall be kept by permittee/contractor working under this permit and must be shown to the Department Permit Inspector, Department's Representatives, or Law Enforcement Officer, on demand.

- ☐ The permittee shall be responsible for notifying the appropriate utility companies or underground service alert prior to any excavation work.

- ☐ The permittee shall notify the California Highway Patrol Area Commander at least 72 hours prior to implementing traffic control.

- ☒ When the work area encroaches upon a sidewalk, walkway, or crosswalk area, special consideration must be given to pedestrian safety. Protective barricades, fencing, handrails and bridges, together with warning and guidance devices and signs must be utilized so that the passageway for pedestrians, especially blind and other physically handicapped, is safe and well defined and shown on the approved permit plan.

- ☒ Pedestrian walkways and canopies within State Right of Way shall comply with the requirements of the applicable local agency or of the latest edition of the Uniform Building Code whichever contains the higher standards.

[For City or County projects with utility relocations:]

- ☐ If existing public or private utilities conflict with the construction PROJECT, PERMITTEE will make necessary arrangements with the owners of such utilities for their protection, relocation, or removal. PERMITTEE shall inspect the protection, relocation, or removal of such facilities. Total costs of such protection, relocation, or removal which STATE or PERMITTEE must legally pay, will be borne by PERMITTEE. If any protection, relocation, or removal of utilities is required, including determination of liability for cost, such work shall be performed in accordance with STATE policy and procedure. PERMITTEE shall require any utility company performing relocation work in the STATE's right-of-way to obtain a State Encroachment Permit before the performance of said relocation work. Any relocated utilities shall be correctly located and identified on the as-built plans.

[For other projects with utility relocations:]

- ☒ If existing public or private utilities conflict with the construction PROJECT, PERMITTEE will make necessary arrangements with the owners of such utilities for their protection, relocation, or removal. PERMITTEE shall inspect the protection, relocation, or removal of such facilities. Total costs of such protection, relocation, or removal shall be borne by PERMITTEE in compliance with the terms of the Highway Encroachment Permits, Case Law, Public Utility Regulations, and Property Rights. PERMITTEE shall require any utility company performing relocation work in the STATE's right-of-way to obtain a State Encroachment Permit before the performance of said relocation work. Any relocated utilities shall be correctly located and identified on the as-built plans.
PRECONSTRUCTION MEETING AGREEMENT

I, ______________________, acting as an authorized agent for the permittee, ________________, do hereby agree to personally accomplish or have another designated person arrange for all involved company representatives to attend a pre-construction meeting with the authorized Department's Representative at ______________________, as specified on this permit. Such meeting must be held two (2) days or more prior to the planned start of the work on this project. The Authorized Department's Representative shall have complete authority to determine whether the permit conditions, either implied or written, have been complied with. The Department's Representative may then allow the permit work to proceed as appropriate. The Pre-construction Meeting Record below must be signed by both the Department's Representative and the permittee before the permit work may start.

I have read and understand the attached General Provisions TR-0045 and other attached provisions of this permit.

This agreement or a copy thereof, must be mailed back to the Department's District 8 Encroachment Permit Office at 464 W. 4th. Street, MS 619, San Bernardino, CA 92401-1400, within three (3) working days prior to the pre-construction meeting. Failure to return this form could delay the release of your bonds. A copy of this document shall be at the job site at all times when work is in progress and failure to do so may result in the suspension of work, as directed by the Department's Representative.

It is the permittee's responsibility to insure that the Department's Representative is notified of work completion and that the attached Completion Notice is mailed to the Department's Permit office.

Signature Date

Print or Type Name

Position or Title
PRECONSTRUCTION MEETING RECORD

Department's Representative  Date

Permittee's Representative  Date

Date Work May Begin: ____________________________
PERMIT NO.: 08-16-N-SI-1139
CO/RTE/PM: 08/RIV/91/20.3

DEPARTMENT OF TRANSPORTATION-DISTRICT 8
ENCROACHMENT PERMITS OFFICE
464 W. 4th. Street, MS 619
San Bernardino, CA 92401-1400

100% COMPLETION NOTICE

Work on Permit No.: 08-16-N-SI-1139 has been completed. A final inspection meeting was held on

Permittee's Representative

Date

Department's Representative

Date

FAILURE TO COMPLETE AND RETURN THIS TO THE DISTRICT PERMITS OFFICE MAY CAUSE A DELAY IN THE RELEASE OF YOUR BONDS.
CITY OF RIVERSIDE
BEST MANAGEMENT PRACTICES
FOR TYPICAL CONSTRUCTION ACTIVITIES
(Projects less than one acre)

The discharge of any pollutants into the City storm drain system or natural drainage areas is prohibited per Section 14 of the City Municipal Code and the Riverside County Area-Wide Municipal Storm water permit issued by the State Water Resources Control Board. Drainage from construction sites and construction activities is prohibited from entering the City storm drain system and natural drainage areas. Any violations of the above provisions are subject to fines by the City and by the State Water Resources Control Board.

The following best management practices (BMPs) are to be implemented for the construction activities listed. These BMPs are considered to be a minimum of the activities necessary to protect the City storm drain system. The contractor may be required to implement further BMPs to assure no pollutant discharges enter the storm drain system. The contractor needs to work closely with the City inspector to identify any further BMPs, which may be necessary.

<table>
<thead>
<tr>
<th>CONSTRUCTION ACTIVITIES</th>
<th>BEST MANAGEMENT PRACTICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portable Toilets</td>
<td>- The toilets may not be located in the street right of way. Perimeter protection must be placed around the toilet area to contain any drainage from toilet cleaning activities.</td>
</tr>
</tbody>
</table>
| Sawcutting, grinding, paving | - Debris from these types of activities are to be swept or vacuumed daily (at a minimum) and disposed of at a landfill.  
- Drainage from these activities shall be contained or the catch basins down stream of these activities will be protected with sand bags.  
- Drainage contained shall be vacuumed daily (at a minimum) and the remaining debris disposed of at a landfill. |
| Concrete wash outs      | - A washout/spoil area on site must be identified that will contain the concrete washout wastewater. The debris shall be removed at the end of the day, or;  
- The washout must be contained and removed off site daily. |
| Trenching               | - Perimeter protection of the trenching spoil or trench area itself must be provided to prevent any erosion from the site, and  
- Catch basin protection must be provided to prevent drainage from entering the storm |
<table>
<thead>
<tr>
<th>Spoil piles</th>
<th>Any sediment or debris shall be swept up daily at a minimum.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking</td>
<td>Spoil piles with the potential for draining off-site shall have perimeter erosion control and may need temporary cover.</td>
</tr>
<tr>
<td>Vehicle maintenance</td>
<td>Tracking pads are required for larger jobs as well as a continual sweeping plan.</td>
</tr>
<tr>
<td></td>
<td>Smaller jobs must sweep daily.</td>
</tr>
<tr>
<td>Vehicle washing</td>
<td>Regularly scheduled vehicle maintenance activities such as oil changes and fluid refills shall be conducted off-site.</td>
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<tr>
<td></td>
<td>Any chemicals leaking from faulty equipment will be contained and repaired immediately.</td>
</tr>
<tr>
<td></td>
<td>A spill response plan must be identified that properly contains and disposes of any potential spill or leaks of hazardous materials including at a minimum oil, grease, hydraulic fluid, etc.</td>
</tr>
<tr>
<td>Sloped areas</td>
<td>Vehicle washing shall not occur on site.</td>
</tr>
<tr>
<td></td>
<td>Sloped areas shall at a minimum be protected by perimeter erosion control. Larger slopes may also need erosion control at the top of slopes. These BMPs shall stay in place and be maintained until after the landscaping has completely been established.</td>
</tr>
</tbody>
</table>
We suggest using the following as a guide for the resident notification letter:

"CONTRACTOR LETTERHEAD"

"Contractor name" has been contracted by the City of Riverside Department of Public Works to construct the "project name".

"Give a very basic description of type of construction involved".

Construction will begin ___________ and should be complete by ___________ at the following locations:
"List streets and limits"

Temporary No Parking signs will be posted at least 48 hours in advance of the actual work on your street. Dates and times that parking is restricted will also be posted. Access for pedestrians and traffic will be maintained at all times. We ask that you refrain from running excess water in the gutters during construction as it may delay the work.

If you have any questions, please call our office at "contractor's phone number", or after hour’s emergency only contact “contact name and phone number”.

Thank you,
(Company Name)
## NOTICE OF POTENTIAL CLAIM

This is a Notice of Potential Claim for additional compensation pursuant to Section 3-7 of the Special Provisions.

The particular circumstances of this potential claim are described in detail as follows:

The reasons for which I believe additional compensation and/or time may be due are:

The nature of the costs involved and the amount of the potential claim are described as follows:

(If accurate cost figures are not available, provide an estimate, or describe the types of expenses involved.)

The undersigned originator (Contractor or Subcontractor as appropriate) certifies that the above statements are made in full cognizance of the California False Claims Act, Government Code sections 12650-12655. The undersigned further understands and agrees that this potential claim to be further considered unless resolved, must be restated as a claim in response to the City's proposed final estimate in accordance with Section 9-4 of the Standard Specifications.

---

SUBCONTRACTOR or CONTRACTOR (Circle One)

(Authorized Representative)

For subcontractor notice of potential claim

This notice of potential claim is acknowledged and forwarded by

PRIME CONTRACTOR

(Authorized Representative)

FORM REVISED 04/05/04
**TABLE 1**

<table>
<thead>
<tr>
<th>ROAD TYPE</th>
<th>TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEED</td>
<td>MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET TO FEET</td>
</tr>
<tr>
<td>(MPH)</td>
<td>(FT)</td>
</tr>
<tr>
<td>TANGENT</td>
<td>MERGING L</td>
</tr>
<tr>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>30</td>
<td>100</td>
</tr>
</tbody>
</table>

* For other offsets, use the following taper length formula for L:
  For speed of 40 mph or less, L = W/4
  For speed of 45 mph or more, L = W

** For taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

** - Use for taper and tangent sections where there are no pavement markings or where operating speed in mph prior to work starting, or the anticipated S = Posted speed limit, off-peak 85th-percentile

** - Longitudinal buffer space or flagger station spacing

** - Use on sustained downgrade steeper than -3 percent

** - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment.

---

**TABLE 2**

<table>
<thead>
<tr>
<th>SPEED</th>
<th>MIN D</th>
<th>X</th>
<th>Y</th>
<th>Z**</th>
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<tr>
<td>20</td>
<td>115</td>
<td>74</td>
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<td>30</td>
<td>250</td>
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<td>215</td>
<td>227</td>
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<td>35</td>
<td>250</td>
<td>205</td>
<td>215</td>
<td>227</td>
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<td>40</td>
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<td>75</td>
<td>820</td>
<td>866</td>
<td>927</td>
<td>1003</td>
</tr>
</tbody>
</table>

* - Speed is posted speed limit, off-peak 85th-percentile
** - Use an sustained downgrade steeper than -3 percent

---

**TABLE 3**

<table>
<thead>
<tr>
<th>ROAD TYPE</th>
<th>DISTANCE BETWEEN SIGNS</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBAN - 25 mph OR LESS</td>
<td>100</td>
<td>250</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>URBAN - MORE THAN 25 mph TO 40 mph</td>
<td>250</td>
<td>500</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>URBAN - MORE THAN 40 mph</td>
<td>350</td>
<td>350</td>
<td>350</td>
<td></td>
</tr>
<tr>
<td>RURAL / EXPRESSWAY / FREEWAY</td>
<td>1000</td>
<td>1500</td>
<td>2640</td>
<td></td>
</tr>
</tbody>
</table>

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.
NOTES:

1. Median lane closures shall conform to the details as shown except that C30(CA) and W2-1 signs shall be used.

2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.

3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.

4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent-red-orange in color. Flashing beacons shall be placed at the locations included for lane closure during hours of darkness.

5. A "2L TAPER WORK" sign, with minimum size of 48" x 24" as applicable, shall be placed at the end of the lane closure unless the end of the work area is obvious or ends within a larger project's limits.

6. If the W20-1 sign would follow within 2000' of an intersection, round, or curve, "ROAD WORK NEXT AHEAD" OR "ROAD WORK AHEAD" sign shall be used in lieu of cone or barricade placement. (See Notes 8 and 9.)

7. Use one flashing arrow sign for each lane closure during hours of darkness. The E5-1 or SC18(CA) and W4-1 signs may be used instead of the 3 cones. The transverse spacing is shown along lane lines.

8. A temporary warning sign shall have black legend on fluorescent-orange background.

9. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

10. SEE NOTES 3, 4 AND 6

11. Cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

12. A minimum of 3 cones shall be placed to provide access to the transverse containment of the closed traffic lane, as shown. See Revised Standard Plan RSP T9 for tables.

13. The 2L tangent shown along lane lines shall be fitted with reflective vertical markers.

14. The E5-1 or SC18(CA) and W4-1 signs shall be used as shown.

15. A W7-5P "NEXT AHEAD" or "ROAD WORK AHEAD" sign shall be used if the shoulder-Closure extends beyond the distance that can be perceived by road users.

16. The 2L temporary traffic control signs may be used instead of cones for daytime closures only.
PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS THAT:

WHEREAS, on ________________, 2015, the CITY OF RIVERSIDE (“CITY”) awarded to ____________________________________ (“PRINCIPAL”) a contract for performance of the work described as ____________________________________; Bid No. 7467 (“CONTRACT”), the terms and conditions of which are incorporated herein by reference; and

WHEREAS, the CONTRACT requires PRINCIPAL to furnish this Performance Bond (“BOND”) to guarantee PRINCIPAL’s faithful performance of all provisions of the CONTRACT; and

WHEREAS, ________________ (“SURETY”), a corporation legally authorized to execute and furnish performance bonds as sole surety in the State of California, is willing to act as PRINCIPAL’s SURETY in the making and giving of this BOND.

NOW, THEREFORE, we PRINCIPAL and SURETY hereby hold and firmly bind ourselves to pay to CITY in lawful United States currency the principal sum of ________________, for which payment well and truly to be made to CITY or CITY’s successors or assigns we hereby bind ourselves and our heirs, legal representatives, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS THAT IF PRINCIPAL or PRINCIPAL’s heirs, legal representatives, successors or assigns shall in all things stand to, abide by, and well and truly keep and faithfully perform all of the covenants, conditions and promises in the CONTRACT, including its work Guaranty, and all alterations thereof made as therein provided on PRINCIPAL’s part to be kept and performed at the time and in the manner specified therein, and in all respects according to their true intent and meaning, and shall indemnify and save harmless CITY and CITY’s officers, employees and agents as therein specified, then this obligation shall become null and void; otherwise, it shall be and remain in full force and binding effect.

SURETY hereby agrees that no change in the terms of the CONTRACT or the work to be performed thereunder, or any extension of time for completion thereof, shall in any way relieve it of its obligations under this BOND, and hereby waives notice of any change or extension thereof, and further waives the provisions of California Civil Code sections 2819 and 2845.

If lawsuit is brought by CITY on this BOND, PRINCIPAL and SURETY shall pay to CITY, over and above the principal sum hereof, reasonable costs and attorney’s fees which the court is hereby authorized to award.

IN WITNESS WHEREOF, we sign and seal this BOND on ________________.

Correspondence or claims relating to this BOND should be sent to SURETY at the following address:

Principal

By ___________________________ (Seal)

Typed Name and Title

Surety

___________________________________ (Seal)

Attorney-In-Fact

___________________________________

Typed Name and Title

Note: Signatures of those executing for SURETY must be acknowledged, and a Power of Attorney attached.
PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS THAT:

WHEREAS, on ________________, 2015, the CITY OF RIVERSIDE ("CITY") awarded to ____________________________________ ("PRINCIPAL") a contract for performance of the work described as ____________________________________; Bid No. 7467 ("CONTRACT"), the terms and conditions of which are incorporated herein by reference; and

WHEREAS, the CONTRACT requires PRINCIPAL to furnish this Payment Bond ("BOND") to secure payment of the claims of persons described in California Civil Code section 3248(b); and

WHEREAS, ____________________________________ ("SURETY"), a corporation legally authorized to execute and furnish payment bonds as sole surety in the State of California, is willing to act as PRINCIPAL’s SURETY in the giving of this BOND.

NOW, THEREFORE, we PRINCIPAL and SURETY hold and firmly bind ourselves unto CITY and all persons and entities described in California Civil Code section 3248(b) whose claims are not paid by PRINCIPAL in the total sum of ________________________ Dollars ($______________), for which payment well and truly to be made we bind ourselves and our heirs, legal representatives, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS THAT IF PRINCIPAL or PRINCIPAL’s successors, assigns, or subcontractors fail to pay any of the persons described in California Civil Code section 3181, any amounts due under the California Unemployment Insurance Code with respect to work or labor performed under the CONTRACT or any amounts required to be deducted, withheld and paid over to the California Employment Development Department from the wages of employees of PRINCIPAL and PRINCIPAL’s subcontractors pursuant to California Unemployment Insurance Code section 13020 with respect to such work and labor, SURETY will pay for the same in an amount not exceeding the sum stated above, plus all costs and reasonable attorney’s fees awarded by any court of competent jurisdiction in any lawsuit brought upon this BOND.

THIS BOND SHALL INURE TO the benefit of all persons and entities described in California Civil Code section 3248(b) so as to give them or their assigns a right of action in any lawsuit brought upon this BOND, and is executed and filed to comply with the Public Works Payment Bond provisions of Chapter 7, Title 15, Part 4, Division 3 of the California Civil Code (commencing at Section 3247) and all amendments thereto, which provisions are incorporated herein by this reference.

IN WITNESS WHEREOF, we sign and seal this BOND on ________________ .

Correspondence or claims relating to this BOND should be sent to SURETY at the following address:

Principal

By ____________________________ (Seal)

Typed Name and Title

Surety

__________________ (Seal)

Attorney-In-Fact

Typed Name and Title

Note: Signatures of those executing for SURETY must be acknowledged, and a Power of Attorney attached.
GENERAL AND/OR AUTOMOBILE LIABILITY
ADDITIONAL INSURED ENDORSEMENT
CITY OF RIVERSIDE

Notwithstanding any inconsistent statement in the policy to which this endorsement pertains or in any endorsement now or hereafter attached thereto, it is agreed as follows:

1. The City of Riverside and its officers and employees are additional insured thereunder in relation to those operations, uses, occupations, acts, and activities described generally above with regard to operations performed by or on behalf of the named insured.

2. Such insurance shall be primary, and not contributing with any other insurance maintained by the additional insured.

3. The policy shall apply separately to each insured against whom claim is made or suit is brought except with respect to the limits of the company's liability.

4. The policy shall not be subject to cancellation, change in coverage, reduction of limits or non-renewal except after written notice to the Risk Manager of the City of Riverside by certified mail, return receipt requested, not less than thirty (30) days prior to the effective date thereof.

ADDRESS CANCELLATION NOTICE AS FOLLOWS: ISSUE ENDORSEMENT TO:

Risk Manager
City of Riverside
c/o City Attorney
City Hall, 3900 Main Street
City, 92522

Except as stated above and not in conflict with this endorsement, nothing contained herein shall be held to waive, alter or extend any of the limits, agreements, or exclusions of the policy.

<table>
<thead>
<tr>
<th>Endorsement No.</th>
<th>Effective Date:</th>
<th>Policy No.:</th>
</tr>
</thead>
</table>

TYPE OF COVERAGE TO WHICH THIS ENDORSEMENT ATTACHES

POLICY PERIOD:
FROM: ____________________ TO: _____________________

LIMITS OF LIABILITY:

(Continued on Page 2)
GENERAL AND/OR AUTOMOBILE LIABILITY
ADDITIONAL INSURED ENDORSEMENT
CITY OF RIVERSIDE

The following inclusions, exclusions, extensions or specific provisions relate to the above coverage. Aggregate limits and separate deductibles, if applicable, are to be noted after the stated coverage. (Attach additional pages if space is insufficient.) Scheduled items or locations are to be identified on an attached sheet.

INCLUDES:

<table>
<thead>
<tr>
<th>Inclusion</th>
<th>Inclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>( ) Premises &amp; Operations</td>
<td>( ) Incidental Medical Malpractice</td>
</tr>
<tr>
<td>( ) Contractual Liability</td>
<td>( ) Explosion Hazard</td>
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<tr>
<td>( ) Independent Contractors</td>
<td>( ) Collapse Hazard</td>
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<tr>
<td>( ) Products/Completed Operations</td>
<td>( ) Underground Hazard</td>
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<tr>
<td>( ) Broad Form Property Damage</td>
<td>( ) Garagekeepers Legal Liability</td>
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<tr>
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<tr>
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<td>( ) Non-owned Automobiles</td>
</tr>
<tr>
<td>( ) Watercraft Liability</td>
<td>( ) Hired Automobiles</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EXCLUDES:

DEDUCTIBLE: A deductible or self-insured retention (strike out one) of $ applies to coverage.

DEDUCTIBLE APPLIES PER CLAIM ( ), PER OCCURRENCE ( ).

Insurance Company

Address

I, _______________________________ (type or print name) hereby declare under penalty of perjury, under the laws of the State of California, that I have the authority to bind the above-named insurance company to this endorsement and by my execution hereof, do so bind said company.

________________________________________
Signature of Authorized Representative

(Original Signature only; No Facsimile Signature or Initial Signature Accepted)

Executed at ____________________________, ____________________________ on ____________________________, 2015.

Phone No.: (_____) ________________________
This Agreement for Construction (“Agreement”) is entered into on this _____ day of ______________, 20____, by and between the CITY OF RIVERSIDE, a California charter city and a municipal corporation (“City”) and [CONTRACTOR’S NAME, business entity type, mailing address], State Contractor’s License No. _____________ (“Contractor”). Hereinafter, the City and the Contractor may be referred to collectively as the “Parties.” The Parties mutually agree as follows: Contractor shall furnish all labor, equipment and materials for, and perform the work of [NAME OF PROJECT] which is covered in the Contractor’s Bid Proposal (the “Work), in accordance with the provisions and requirements in the Contract Documents as defined by this Agreement.

ARTICLE 1 – CONTRACT DOCUMENTS

1.1 Definitions. The meanings of all capitalized terms used herein and in the Contract Documents and not otherwise defined in this document shall be the same as those definitions set forth in the Special Provisions Section 1-2.

1.2 Contract Documents.

The “Contract Documents,” except for Modifications issued after execution of this Agreement, consist of the following documents, all of which are either attached hereto as exhibits or are incorporated herein by this reference, are intended to be correlative and constitute Contractor’s performance obligations:

(1) Permits from the City’s Building, Fire, Planning, Public Works and Public Utilities Departments and similar Governmental Approvals for the Work required by applicable law.

(2) Change Orders and other Modifications issued after execution of the Agreement.

(3) This Agreement, as signed by the Parties, including the following exhibit, as well as any other exhibits, attachments, and Certificates of Insurance and Additional insured endorsements for Contractor:

Exhibit “A” – Workers Compensation Certification

(4) Addenda with later Addenda having priority over earlier Addenda issued as follows:

Addendum No. _______ issued ________________, 20_____, ___ pages.
Contractors Bid Proposal, for the above-referenced Bid No. (comprised of Notice Inviting Bids, Instructions to Bidders and attachments, Electronic Bid Schedule of Prices, Electronic List of Subcontractors, Proposal, Signature Certification/Authorization, Bid Guaranty, and where applicable, Contractor Qualification Statement and/or Subcontractor Qualification Statement.

Special Provisions and Standard Specifications

City and other agency’s Standard Drawings.

All documents, maps, texts and items referred to in the foregoing documents.

1.3 Interpretation. In the event of any conflict between any of the Contract Documents, the document highest in the order of precedent shall control. The order of precedent shall be the same as that set forth in Section 2.5-2 of the 2012 Edition of the Standard Specifications for Public Works Construction, unless otherwise revised in the Special Provisions.

1.4 Entire Agreement. This Agreement together with all other Contract Documents represents the entire and integrated agreement between City and Contractor and supersedes any prior written or oral agreements between them concerning the subject matter contained in the Contract Documents. There are no representations, agreements, arrangements or understandings, oral or written, between the Parties hereto, relating to the subject matter contained in the Contract Documents, which are not fully expressed herein.

ARTICLE 2 – CONTRACT PRICE AND PAYMENT

2.1 Contract Price. City shall pay Contractor the Contract Price of Dollars ($ ) which includes all California sales or use tax and County and City taxes, in consideration for the Contractor’s full, complete and timely performance of all of the Work required by the Contract Documents. The Contract Price includes any Alternative/Additive Bid Items which were awarded with the Contract.

Contractors agree to allocate the use tax derived from contracts or subcontracts of $5 million or more directly to the job site location by obtaining a sub-permit of the Contractor’s seller’s permit for the jobsite and allocating the local tax to the jobsite address on Schedule C of applicable sales tax returns, in accordance with State Board of Equalization Operations Memo 1023. Contractor shall provide City with proof of such filing prior to City’s issuance of the Notice to Proceed.

In accordance with Section 22300 of the California Public Contract Code, Contractor may substitute securities for any monies withheld by City to ensure performance of the Contract. Such substitution shall be made at the request and expense of Contractor. Securities equivalent to the amount withheld may be deposited with City or with a state or federally chartered bank as escrow agent. Securities eligible for substitution shall include those listed in Section 16430 of the Government Code, bank or saving and loan certificates of deposit,
interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by Contractor and City.

2.2 **Changes to the Contract Price.** Contractor shall not be compensated for any extra materials used or time expended over and above the Contract Price, unless prior written approval for the same has been granted by the City, as set forth in Article 6 herein.

2.3 **Payment Procedures.**

Within sixty (60) days after City accepts final completion of the work and issues the Notice of Completion, excluding Plant Establishment, if applicable, City shall pay Contractor the amounts City deducted and retained from Contractor’s progress payments, except such sums which are required by applicable law or authorized by the Contract to be further retained. In the event of a dispute between City and Contractor concerning the amount of final payment due, the City may withhold from final payment, including Liquidated Damages provided forth in the Contract Documents, together with an amount not to exceed 150% of the value of disputed amounts for incomplete or non-conforming work.

**ARTICLE 3 – TIME FOR PERFORMANCE**

3.1 **Date of Commencement/Notice to Proceed.** The date of commencement of the Work shall be established in a written Notice to Proceed issued by the City. The City will not issue a Notice to Proceed to the Contractor until this Agreement, bonds and insurance documents have been executed and/or approved by the City.

3.2 **Contract Time.** Contractor shall perform the Work in a diligent manner and shall complete all of the Work of the Contract, excluding any Plant Establishment, if applicable, within ___________ (____) working days after the date specified to Contractor in the Notice to Proceed issued by City.

**ARTICLE 4 – LIQUIDATED DAMAGES**

4.1 **Amounts of Liquidated Damages.**

4.1.1 **Delay in Substantial Completion of the Work.** Failure of Contractor to complete the Work within the time allowed will result in damages being sustained by City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. For each consecutive calendar day in excess of the time specified for the completion of Work, as adjusted in accordance with Section 6-6 and/or 6-7 of the Standard Specifications, Contractor shall pay to City, or have withheld from monies due Contractor, the sum of Dollars ($__________). Execution of this Agreement shall constitute agreement by City and Contractor that said sum is the minimum value of the costs and actual damage caused by the failure of Contractor to complete the Work within the allotted time. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such delay occurs.
In addition, once a street has been posted for temporary no parking, the failure of the Contractor to meet or complete Contractor’s daily schedule as required by Section 7-10.4.6 of the Special Provisions due to conditions under Contractor’s control will result in damages sustained by the City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. For each consecutive calendar day Contractor fails to meet and complete the schedule after the posting and after the time provision for changes in the schedule have elapsed, Contractor shall pay to City, or have withheld from monies due Contractor, the sum of ___________________ Dollars ($______). Execution of this Agreement shall constitute agreement by City and Contractor that said sum is the minimum value of the costs and actual damage caused by the failure of Contractor to complete the Work within the allotted time. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such delay occurs.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per calendar day for failure to complete adjustment of the manhole covers to grade within the time limits specified in Section 301-1 of the Special Provisions. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such delay occurs.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per incident that the Contractor reduces the traveled way width and/or stores construction equipment within public streets and right of way beyond the hours specified in Section 7-10.1.1 of these Special Provisions. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per calendar day for failure to comply with the State Permit for Storm Water Discharge Associated with Construction Activity during all phases of construction and for failure to complete, implement, or maintain the Storm Water Pollution Protection Plan (SWPPP) within the periods specified in Section 7-8.6 of the Special Provisions. These liquidated damages are in addition to the right of the City to suspend work as described in Section 7-6. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per incident that the Superintendent fails to meet with the Engineer as described in Section 7-6 of the Special Provisions. These liquidated damages are in addition to the right of the City to suspend work as described in Section 7-6. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per calendar day for failure to comply with the State Permit for Storm Water Discharge Associated with Construction Activity during all phases of construction and for failure to complete, implement, or maintain the Storm Water Pollution Protection Plan (SWPPP) within the periods specified in Section 7-8.6 of the Special Provisions. These liquidated damages are in addition to the right of the City to suspend work as described in Section 7-6. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur.

Additional liquidated damages shall be assessed in the amount of ___________________ Dollars ($______) per incident that the Contractor fails to install the Best Management Practices (BMP’s) within twenty-four (24) hours of notification as described in Section 7-8.6.5 of the Special Provisions. These liquidated damages are in addition to the
right of the City to suspend work as described in Section 7-6. Such sum is liquidated damages and shall not be construed as a penalty, and may be deducted from payments due Contractor if such incidents occur.

Additional liquidated damages shall be assessed in the amount of ***[ This LD applies to projects using CM2 or CM3, replacing existing sidewalk, driveway, or driveway approaches, constructing new or replacing existing wheelchair ramps and the adjacent curb and gutter, or where asphalt slots are created. Delete otherwise. Be sure the same amount is used in Proposal Page 1 and in the Sample Agreement]*** $_____ per incident that the Contractor fails to pave the roadway after the commencement of Cold Milling (Types CM2 and CM3) work; fails to pour concrete after the commencement of excavation work for all new sidewalks, driveways, driveway match-ups, wheelchair ramps, and/or curb and gutter; or fails to complete the asphalt repair for the open slots within the allotted time requirements as described in associated sections within Part 3 of these Special Provisions.

ARTICLE 5 – CLAIMS AND DISPUTES

5.1 Notice of Claims. Contractor acknowledges and agrees that its failure to submit any claim arising under this Contract in accordance with the Special Provisions, shall constitute a waiver of Contractor’s right to additional compensation and/or extension of time.

5.2 Government Code Claims Procedures. Contractor further acknowledges that notwithstanding Contractor’s compliance with the claims procedures set forth in the Special Provisions, Contractor must also comply with the claims procedures set forth in Government Code sections 900 et seq. prior to filing a lawsuit against the City for any such claim. Failure to submit a Government Code claim or comply with the claims provision contained in the Special Provisions shall bar Contractor from bringing and maintaining a valid lawsuit against the City.

ARTICLE 6 – LOCAL BUSINESS LICENSE, TAXES AND FEES

6.1 Business Tax Certificate and Governmental Approvals. As a condition of the Contract, Contractor and all subcontractors shall, during the term of this Agreement, secure and annually renew business tax certificates pursuant to Chapter 5.04 of the Riverside Municipal Code to operate in the City of Riverside, and shall also secure and maintain at all times during performance of the Work, any other licenses, fees, permits or similar Governmental Approvals required by Applicable law.

6.2 Offsets. Contractor acknowledges and agrees that with respect to any business tax or penalties thereon, utility charges, invoiced fee or other debt which is owed, or which becomes owed, by Contractor to City. City reserves the right to withhold and offset said amounts from any payments, refunds or reimbursements owed by City to Contractor under the Contract. Notice of such withholding and offset shall promptly be given to Contractor by City in writing. In the event of a dispute as to the amount owed or whether such amount is owed to City, City will hold such disputed amount until either the appropriate appeal process has been completed or until the dispute has been resolved.
ARTICLE 7 – BONDS

7.1 Performance and Payment Bonds. Prior to City’s execution of this Agreement, Contractor shall furnish to the City two (2) duly executed surety bonds using the forms included within the Bidding Requirements, one (1) as security for the faithful performance of the Contract and one (1) as security for the payment of all persons performing labor and furnishing materials in connection with the Contract. Both bonds shall be in the amount of one hundred percent (100%) of the Contract Price and shall be subscribed by an Admitted Surety Insurer which is authorized to transact surety insurance business in the State of California with a policy holder’s rating of A or higher and a Financial Class of VII or larger. Should any bond or surety become insufficient, Contractor shall furnish City a new bond within ten (10) days after receiving notice from City. No payments will be due or paid under the Contract until any and all bond deficiencies have been remedied. Contractor, by execution of this Agreement acknowledges that the bonds are not Contract Documents, but are separate obligations.

ARTICLE 8 – WORKERS’ COMPENSATION INSURANCE

8.1 Workers’ Compensation Insurance Certificate. By executing this Agreement, Contractor certifies that Contractor is aware of and will comply with Section 3700 of the Labor Code of the State of California requiring every employer to be insured against liability for workers’ compensation or to undertake self-insurance before commencing any of the Work. Contractor shall comply with Labor Code Section 1861 by signing and filing the workers’ compensation certification attached hereto as Exhibit “A” and incorporated herein by reference.

8.2 Evidence of Coverage. Prior to the City’s execution of this agreement, Contractor shall file with the City either 1) a certificate of insurance or self-insurance evidencing that such insurance is in effect, or that Contractor is self-insured for such coverage; or 2) a certified statement that Contractor has no employees, and acknowledging that if Contractor does employ any person, the necessary certificate of insurance will immediately be filed with City. Any Certificate filed with the City shall provide that City shall be given ten (10) days prior written notice before modification or cancellation thereof.

8.3 Carrier Rating. Contractor’s workers’ compensation insurance carrier shall be authorized to transact insurance business in the State of California with a policy holder’s rating of A or higher and a Financial Class of VII or larger.

8.4 Subcontractor Worker’s Compensation Insurance. Contractor shall require each of its Subcontractors to obtain and maintain for the duration of this Agreement, complete workers’ compensation insurance, meeting or exceeding the coverage’s and amounts that California law requires.

ARTICLE 9 – CONTRACTOR’S LIABILITY INSURANCE

9.1 Minimum Scope. Prior to City’s execution of this Agreement and Contractor’s commencement of Work, Contractor shall secure, submit proof of and shall thereafter maintain without interruption, until completion of the Contract, such commercial general and automobile
liability insurance as shall protect Contractor, its Subcontractors and the Additional Insured’s from any and all claims for damages for personal injury, including accidental death, as well as any and all claims for property damage which may arise from or which may concern operations under the Contract, whether such operations be by or on behalf of Contractor, any subcontractor or anyone directly or indirectly employed by, connected with or acting for or on behalf of any of them.

9.2 **Carrier Ratings.** All liability insurance shall be issued by an insurance company or companies authorized to transact liability insurance business in the State of California with a policy holder’s rating of A or higher and a Financial Class of VII or larger.

9.3 **Minimum Limits.** Contractor shall maintain minimum limits of insurance as follows:

9.3.1 **Commercial General Liability:** Contractor’s commercial general liability insurance policy shall cover both bodily injury (including death) and property damage (including, but not limited to, premises operations liability, products-completed operations liability, independent contractor’s liability, personal injury liability, and contractual liability) in an amount not less than $1,000,000 per occurrence, an aggregate limit for products/completed operations in the amount not less than $2,000,000.

9.3.2 **Automobile Liability Insurance:** Contractor’s automobile liability policy shall cover both bodily injury and property damage in an amount not less than $1,000,000 per occurrence and an aggregate limit of not less than $1,000,000. All of Contractor’s automobile and/or commercial general liability insurance policies shall cover all vehicles used in connection with Contractor’s performance of this Agreement, which vehicles shall include, but are not limited to, Contractor owned vehicles, Contractor leased vehicles, Contractor’s employee vehicles, non-Contractor-owned vehicles and hired vehicles.

9.3.3 **Builder’s Risk Insurance.** Contractor acknowledges that the City retains its own builder’s risk policy. Unless otherwise set forth in the special provisions, Contractor should obtain builder’s risk insurance. In any event, should an event occur that is caused by the negligence or willful misconduct of the Contractor or its agents, employees, subcontractors, hiree’s or invitees, in which City must make a claim under its builder’s risk policy, Contractor shall be responsible for the City’s deductible.

(Add or in lieu of Builder’s Risk)

9.3.4 **Installation Floater Insurance.** During the term of this Agreement, Contractor shall maintain in force, at its own expense, Installation Floater insurance covering contractor’s labor, materials and equipment to be installed for completion of the work performed under this Agreement. Coverage shall be against all risks of direct physical loss including theft, but excluding earthquake and flood. The policy is to include the City of Riverside as loss payee. Coverage is to include materials while at the Contractor’s yard location, in transit, at any temporary storage location, and while at the jobsite during installation. The limit of insurance shall be equal to the full amount of the contract. The deductible shall not be more than $10,000 per occurrence.
9.4 **Notice of Cancellation and Renewals.** The policies shall not be canceled unless thirty (30) days prior written notification of intended cancellation has been given to City by certified or registered mail (this obligation may be satisfied in the alternative by requiring such notice to be provided by Contractor’s insurance broker and set forth on its Certificate of Insurance provided to City). Contractor agrees that upon receipt of any notice of cancellation or alteration of the policies, Contractor shall procure within five (5) days, other policies of insurance similar in all respects to the policy or policies to be cancelled or altered. Contractor shall furnish to the City copies of any endorsements that are subsequently issued amending coverage or limits within fourteen (14) days of the amendment.

9.5 **All Coverage’s.** The insurance policy or policies shall also comply with the following provisions:

a. Policies shall include premises/operations, products completed operations, independent contractors, owners and contractors’ protection, explosion, collapse, underground hazard, broad form contractual, personal injury with employment exclusion deleted, and broad form property damage.

b. The policy shall be endorsed to waive any right of subrogation against the City and its subconsultants, employees, officers, agents and directors for work performed under this Agreement.

c. If policies are written on a claims made basis, the certificate should so specify and the policy must continue in force for **five (5) years** after completion of the Project. The retroactive date of the coverage must also be listed.

d. The policy shall specify that the insurance provided by Contractor will be considered primary and not contributory to any other insurance available to the City of Riverside. Contractor shall provide Form No. CG 20010413 to City.

e. All policies of insurance shall name the City as an Additional Insured and shall contain the following language: “Solely with respect to work done by and on behalf of the name insured for the City of Riverside, it is agreed that the City of Riverside, and its officers and employees are added as additional insureds under this policy.”

9.6 **Certificates of Insurance, Additional Insured Endorsements and Deductibles.** Prior to execution of the Agreement, and thereafter upon City’s request, Contractor shall furnish City with original certificates of insurance and additional insured endorsements setting forth evidence of all insurance coverage required by this Article. Each certificate and endorsement is to be signed by a person authorized by that insurer to bind coverage on its behalf. The City of Riverside, its City Council and all of its respective officials, officers, directors, employees, managers, commission members, representatives, agents and council members shall be named as additional insured’s under each policy.

9.7 **Contractor’s Failure to Provide Required Insurance.** Failure to maintain required insurance at all times shall constitute a default and material breach. In such event, Contractor
shall immediately notify City and cease all performance under this Contract until further directed by the City. In the absence of satisfactory insurance coverage, City may, at its discretion and sole option: (a) procure insurance with collection rights for premiums, attorneys’ fees and costs against Contractor by way of set-off or recoupment from sums due Contractor; (b) immediately terminate or suspend Contractor’s performance of the Contract; (c) pay Contractor’s premiums for renewal of Contractor’s coverage; or (d) self-insure the risk, with all damages and costs incurred, by judgment, settlement or otherwise, including attorneys’ fees and costs, being collectible from Contractor, by way of set-off or recoupment from any sums due Contractor. Upon demand, Contractor shall repay City for all sums that City paid to obtain, renew, reinstate or replace the insurance, or City may offset the cost against any monies that the City may owe Contractor.

9.8 Verification of Coverage. City shall have the right to obtain complete and certified copies of Contractor’s and Subcontractors’ insurance policies (including, but not limited to, the declarations page, form list and riders), endorsements or certificates required under the Contractor Documents, upon request (including, but not limited to, the declarations page, form list and riders).

9.9 Reassessment of Insurance Requirements. At any time during the duration of this Contract, the City may require that Contractor obtain, pay for, and maintain more or less insurance depending on the City’s assessment of any one or more of the following factors: (1) the City’s risk of liability or exposure arising out of, or in any way connected with, Contractor’s services under this Contract; (2) the nature or number of accidents, claims, or lawsuits arising out of, or in any way connected with, Contractor’s services under this Contract; or (3) the availability, or affordability, or both, of increased liability insurance coverage.

9.10 Contractor’s Insurance for Other Losses. The Contractor and its Subcontractors of every tier shall assume full responsibility for all loss or damage from any cause whatsoever to any tools, Contractor’s (or Subcontractors’) employee owned tools, machinery, equipment, or motor vehicles owned or rented by the Contractor, or the Contractor’s agents, suppliers or Subcontractors as well as to any temporary structures, scaffolding and protective fences.

9.11 No Limitation. Contractor’s maintenance of insurance as required by the Contract Documents shall not be construed to limit the liability of the Contractor or its Subcontractors of any tier to the coverage provided by such insurance, or otherwise limit the City’s recourse to any remedy available at law or in equity.

9.12 Subcontractors’ Insurance. The Contractor shall include in all subcontracts a requirement that the Subcontractors of every tier shall obtain and maintain, at a minimum, all insurance required by Articles 9 and 10 of this Agreement except that the limits of liability and deductibles shall be in amounts determined by the Contractor, based on the degree of hazardous exposure according to the Work performed by each Subcontractor and the size of each subcontract.

Contractor shall ensure that any professional engineer retained on its behalf to provide supplemental plans and engineering calculations required in conjunction with the Work, maintains professional liability insurance during the entire term of this Agreement. Such
insurance shall be in the minimum amount of $1,000,000 to protect City from claims resulting from the engineer(s) activities. This minimum amount of coverage shall not constitute any limitation or cap on Contractor’s indemnification obligations set forth herein.

The City reserves the right to request certificates of insurance from the Contractor for each Subcontractor. The Contractor acknowledges that regardless of insurance obtained by its Subcontractors, the Contractor will be responsible to the City for any and all acts of its Subcontractors.

ARTICLE 10 - INDEMNITY/DUTY TO DEFEND

10.1 Indemnity. Except as to the sole negligence, active negligence or willful misconduct of the City, Contractor assumes liability for and agrees, at Contractor’s sole cost and expense, to promptly and fully indemnify and hold the City, its City Council, and all of its respective officials, officers, directors, employees, managers, commission members, representatives, agents, council members, (“Indemnitees”), harmless from and against any and all loss, damage, claims, allegations, actions, suits, arbitrations, administrative proceedings, regulatory proceedings, or other legal proceedings, causes of action, demands, costs, judgments, liens, stop notices, penalties, damages, losses, anticipated losses of revenue, expenses (including, but not limited to, any fees of accountants, attorneys, experts or other professionals, or investigation expenses), costs, including attorneys’ fees, or losses of any kind or nature whatsoever, whether actual, threatened or alleged, arising out of, resulting from or is in any way (either directly or indirectly) related to, or is in any manner connected with, the performance of Work, the Project, activities, operations or duties of Contractor, or anyone employed by or working under Contractor, and from all claims by anyone employed by or working under Contractor for services rendered to Contractor in the performance of this Agreement (“Indemnity Claims”), notwithstanding that the City may have benefited from their services. This indemnification provision shall apply to any acts or omissions, willful misconduct or negligent conduct, whether active or passive, on the part of Contractor or of anyone employed by or working under Contractor.

The parties expressly agree that any payment, attorneys’ fees, costs or expense that the City incurs or makes to or on behalf of an injured employee under the City’s self-administered workers’ compensation is included as a loss, expense or cost for the purposes of this Section, and that this Section shall survive the expiration or early termination of the Agreement.

10.2 Duty to Defend. Contractor agrees, at its sole cost and expense, to promptly defend the Indemnitees from all Indemnity Claims. The duty of the Contractor to indemnify and hold harmless the Indemnitees includes the separate and independent duty to defend the Indemnitees, which duty arises immediately upon receipt by Contractor of the tender of any Indemnity Claim from an Indemnitee. The Contractor’s obligation to defend the Indemnitees shall be at Contractor’s sole expense, and not be excused because of Contractor’s inability to evaluate liability or because the Contractor evaluates liability and determines that the Contractor is not liable. This duty to defend shall apply whether or not an Indemnity Claim has merit or is meritless, or which involves claims or allegations that any or all of the Indemnitees were actively, passively or concurrently negligent, or which otherwise assert that the Indemnitees are
responsible, in whole or in part, for any Indemnity Claim. Contractor agrees to provide this defense immediately upon written notice from the City, and with well qualified, adequately insured and experienced legal counsel acceptable to the City.

10.3 **Subcontractor Requirements.** In addition to the requirements set forth hereinabove, Contractor shall ensure, by written subcontract agreement, that each of Contractor’s Subcontractors of every tier shall protect, defend, indemnify and hold harmless the Indemnitees with respect to Indemnity Claims arising out of, in connection with, or in any way related to each such Subcontractors’ Work on the Project in the same manner in which Contractor is required to protect, defend, indemnify and hold the Indemnitees harmless. In the event Contractor fails to obtain such defense and indemnity obligations from others as required herein, Contractor agrees to be fully responsible to the Indemnitees according to the terms of this Article.

10.4 **No Limitation or Waiver of Rights.** Contractor’s obligations under this Article are in addition to any other rights or remedies which the Indemnitees may have under the law or under the Contract Documents. Contractor’s indemnification and defense obligations set forth in this Article are separate and independent from the insurance provisions set forth in the Agreement and do not limit, in any way, the applicability, scope, or obligations set forth in such insurance provisions. The purchase of insurance by the Contractor with respect to the obligations required herein shall in no event be construed as fulfillment or discharge of such obligations. In any and all claims against the Indemnitees by any employee of the Contractor, any Subcontractor, any supplier of the Contractor or Subcontractors, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the obligations under this Article shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor or any supplier of either of them, under workers’ or workmen’s compensation acts, disability benefit acts or other employee benefit acts. Failure of the City to monitor compliance with these requirements imposes no additional obligations on the City and will in no way act as a waiver of any rights hereunder.

10.5 **Withholding to Secure Obligations.** In the event an Indemnity Claim arises prior to final payment to Contractor, the City may, in its sole discretion, reserve, retain or apply any monies due Contractor for the purpose of resolving such Indemnity Claims; provided, however, the City may release such funds if the Contractor provides the City with reasonable assurances of protection of the Indemnitees’ interests. The City shall, in its sole discretion, determine whether such assurances are reasonable.

10.6 **Survival of Indemnity Obligations.** Contractor’s obligations under this Article are binding on Contractor’s and its Subcontractors’ successors, heirs and assigns and shall survive the completion of the Work or termination of the Contractor’s performance of the Work.

10.7 **Independent Contractor.** Contractor shall at all times during its performance of the Work retain its status as an independent contractor. Contractor’s employees and agents shall under no circumstances be considered or held to be employees or agents of City and City shall have no obligation to pay or withhold state or federal taxes or provide workers’ compensation or unemployment insurance for or on behalf of Contractor or its employees and agents.
ARTICLE 11 – PREVAILING WAGES

11.1 Public Work Project.

This Project is a public work as defined in California Labor Code Section 1720. Contractor and all Subcontractors of any tier are required to pay all workers employed in the execution of the Work not less than the general prevailing wage rates of per diem wages and overtime and holiday wages determined by the Director of the Department of Industrial Relations (“DIR”) under Section 1720 et seq. of the California Labor Code and implemented by Resolution No. 13346 of the City Council of the City of Riverside. The Director’s determination of prevailing rates is available on-line at www.dir.ca.gov/dlsr/DPreWageDetermination.htm and is referred to and made a part hereof; the wage rates therein ascertained, determined and specified are referred to and made a part hereof as though fully set forth herein.

11.2 California Labor Code. Contractor is aware of and stipulates that Contractor will also comply with the following sections of the California Labor Code:

a. Section 1775 prescribing sanctions for failure to pay prevailing wage rates;

b. Section 1776 requiring the making, keeping and disclosing of detailed payroll records and prescribing sanctions for failure to do so;

c. Section 1777.5 prescribing the terms and conditions for employing registered apprentices;

d. Section 1810 providing that eight hours of labor shall be a day’s work; and

e. Section 1813 prescribing sanctions for violations of the provisions concerning eight-hour work days and forty-hour work weeks.

f. Sections 1725.5 and 1771.1 requiring all general contractors and subcontractors to be registered with DIR. Registration can be accomplished through the DIR website by using this link: http://www.dir.ca.gov/Public-Works/PublicWorks.html.

ARTICLE 12 – MISCELLANEOUS

12.1 Non-Discrimination. Except as provided in Section 12940 of the California Government Code, during Contractor’s performance of the Agreement, Contractor shall not discriminate on the grounds of race, religious creed, color, national origin, ancestry, age, physical handicap, medical condition including the medical condition of Acquired Immune Deficiency Syndrome (AIDS) or any condition related thereto, marital status, sex or sexual orientation, genetic information, gender, gender identity, or gender expression, in the selection and retention of employees and subcontractors and the procurement of materials and equipment. Contractor shall also comply with the requirements of the Americans with Disabilities Act in the performance of the Agreement.

12.2 Notice. Whenever any provision of the Contract Documents requires the giving of written notice, including notices, bills, invoices or other documents required or permitted under this Agreement, service shall be sufficient if sent by one party to the other by overnight courier,
or by registered, certified or United States first class mail, postage prepaid and addressed as follows:

<table>
<thead>
<tr>
<th>City</th>
<th>Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Riverside</td>
<td>Name of Company</td>
</tr>
<tr>
<td>Director</td>
<td>Contact</td>
</tr>
<tr>
<td>3900 Main Street</td>
<td>Address</td>
</tr>
<tr>
<td>Riverside, CA 92522</td>
<td>City, State, ZIP</td>
</tr>
</tbody>
</table>

12.3 **City’s Right to Access and Audit Contractor’s Project Documents.**

A. If the Contractor submits a claim to the City for additional compensation, the City shall have the right, as a condition to considering the claim, and as a basis for evaluation of the claim, and until the claim has been settled, to audit the Contractor's books to the extent they are relevant. This right shall include the right to examine books, records, documents, and other evidence and accounting procedures and practices, sufficient to discover and verify all direct and indirect costs of whatever nature claimed to have been incurred or anticipated to be incurred and for which the claim has been submitted. The right to audit shall include the right to inspect the Contractor's plant, or such parts thereof, as may be or have been engaged in the performance of the Work. The Contractor further agrees that the right to audit encompasses all subcontracts and is binding upon Subcontractors. The rights to examine and inspect herein provided for shall be exercisable through such representatives as the City deems desirable during the Contractor's normal business hours at the office of the Contractor. The Contractor shall make available to the City for auditing, all relevant accounting records and documents, and other financial data, and upon request, shall submit true copies of requested records to the City.

B. The City and/or its authorized auditors or representatives, shall have access to and the right to examine, audit, excerpt, transcribe, and reproduce any of the Contractor’s records for a period of at least three (3) years after termination of the Contract and/or Final Payment. Such records include without limitation, journals, ledgers, records of accounts payable and receivable, profit and loss statements, bank statements, invoices, receipts, subcontracts, agreements, notes, correspondence, memoranda, and any documents generated and received in Contractor’s performance of this Contract. Upon written notice by the City, Contractor shall promptly make all such records available to Owner and/or its authorized auditors or representatives and cooperate with the Owner and its authorized auditors or representatives in examining, auditing, excerpting, transcribing and reproducing the records.

12.4 **Venue and Attorneys’ Fees.** Any action at law or in equity brought by either of the parties hereto for the purpose of enforcing a right or rights provided for by this Agreement shall be tried in a court of competent jurisdiction in the County of Riverside, State of California, and the parties hereby waive all provisions of law providing for a change of venue in such proceedings to any other county. In the event either party hereto shall bring suit to enforce any term of this Agreement or to recover any damages for and on account of the breach of any term or condition of this Agreement, it is mutually agreed all parties shall bear their own attorneys’ fees.
12.5 **No Estoppel or Waiver by City.** No action or failure to act by the City shall constitute a waiver of any right or duty afforded City under this Agreement, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically provided in this Agreement or as may be otherwise agreed in writing. The waiver by the City of any breach or violation of any term, covenant or condition of this Agreement or of any provision, ordinance, or law shall not be deemed to be a waiver of any other term, covenant, condition, ordinance, or law or of any subsequent breach or violation of the same or of any other term, covenant, condition, ordinance, or law. The subsequent payment of any monies or fee by the City which may become due hereunder shall not be deemed to be a waiver of any preceding breach or violation by Contractor or any term, covenant, condition of this Agreement or of any applicable law or ordinance.

12.6 **Signature Authority.** The individuals executing this Agreement and the instruments referenced herein on behalf of Contractor each represent and warrant that they have the legal power, right and actual authority to bind Contractor to the terms and conditions hereof and thereof.

12.7 **Severability.** Each provision, term, condition, covenant and/or restriction, in whole and in part, in this Agreement shall be considered severable. In the event any provision, term, condition, covenant and/or restriction, in whole and/or in part, in this Agreement is declared invalid, unconstitutional, or void for any reason, such provision or part thereof shall be severed from this Agreement and shall not affect any other provision, term, condition, covenant and/or restriction of this Agreement and the remainder of the Agreement shall continue in full force and effect.
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed on the day and year first above written.

CITY OF RIVERSIDE, a California charter city and municipal corporation

By: __________________________
   City Manager

[Entity]

By: __________________________
   __________________________
   [Printed Name and Title]

Attest: __________________________
   City Clerk

By: __________________________
   __________________________
   [Printed Name and Title]

APPROVED AS TO FORM:

By: __________________________
   [Supervising] Deputy City Attorney

Agreement for Construction
Rev: 12/05/14
Exhibit “A”

WORKERS’ COMPENSATION CERTIFICATION

I am aware of the provisions of Section 3700 of the 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.

DATED: _________________  INSERT CONTRACTOR’S NAME

By ______________________

________________________
Printed Name and Title
I, HEREBY, CERTIFY that during a meeting of the Board of Directors of the ________________________________, a corporation existing under the laws of the State of ________________, held on ________________, 20__, the following resolution was duly passed and adopted:

“RESOLVED, that ____________________, as __________________ of the Corporation, be and is hereby authorized to execute the Agreement for ________________________________, between the City of Riverside and this corporation and that his execution thereof and with the Corporate Seal affixed, shall be the official act and deed of this Corporation.”

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the corporation this _____, day of ________________, 20__.

____________________________
Secretary

(SEAL)
STATE OF )

COUNTY OF )

I, HEREBY, CERTIFY that during a meeting of the Principals of the ____________ , a joint venture existing under the laws of the State of __________________, held on ________________, 20___, the following resolution was duly passed and adopted:

“RESOLVED, that __________________, as_________________ of the Joint Venture, be and is hereby authorized to execute the Agreement for __________________________________ between the City of Riverside and this joint venture and that his execution thereof shall be the official act and deed of this Joint Venture.”

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this _____, day of ____________, 20__.

______________________________
Managing Partner
STATE OF )
          ) SS:
COUNTY OF )

I, HEREBY, CERTIFY that during a meeting of the Partners of the _______ ___________ , a Partnership existing under the laws of the State of ________________, held on _________________________, 20___, the following resolution was duly passed and adopted:

“RESOLVED, that ________________________, as _______________________________ of the Partnership, be and is hereby authorized to execute the Agreement for __________________________________________ between the City of Riverside and this partnership and that his execution thereof shall be the official act and deed of this Partnership.”

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this _____, day of ____________, 20___.

__________________________________
Partner
PROPOSAL FOR CONSTRUCTING

La Sierra Ave at Vista Terrace and Miscellaneous Signal Improvements

TO THE HONORABLE MAYOR AND CITY COUNCIL OF THE CITY OF RIVERSIDE:

In compliance with the Notice Inviting Bids, published by your Purchasing Services Manager, the undersigned (hereinafter, "Bidder") hereby proposes to furnish all materials, equipment, labor and methods and do all things necessary for the proper construction and completion of the work in strict and complete accord with the specifications now on file with the Purchasing Services Manager at the prices set forth in the attached bid schedule. This proposal shall remain good and shall not be withdrawn for sixty (60) days after the date the proposals are opened by the Purchasing Services Manager.

Bidder hereby declares that Bidder has examined the specifications and understands that all items to be furnished shall be for the bid price, and that Bidder has also checked all figures shown and understands that neither the City of Riverside nor any officer thereof will be responsible for any errors or omissions in submitting this proposal.

Bidder understands that the City Council reserves the rights to reject any and all proposals, to waive any irregularities in bidding or to award the Contract to other than the lowest bidder.

Enclosed is the proposal guaranty, made payable to the City of Riverside, for the sum of $______________________________, which is not less than ten percent of the total amount of this bid.

Bidder hereby agrees that if Bidder is awarded the Contract, Bidder will sign the Contract Agreement in duplicate counterparts and return the counterparts, together with completed Contract surety bonds and insurance confirmations, within fifteen (15) calendar days from the date the City mails, or by other means delivers, the Contract Documents to Bidder. Bidder acknowledges that the proposal guaranty submitted herewith is subject to forfeiture for failure to submit these Contract Documents in completed form within the above-required time limit.

Bidder hereby agrees that if Bidder is awarded the Contract, Bidder will commence work under the Contract on the date specified in the written "Notice to Proceed" to be issued by the City and will complete the project within thirty (30) working days thereafter as required by the Specifications. Bidder further agrees to pay as liquidated damages the sum of $500 for each calendar day thereafter during which the project remains incomplete.
Bidder hereby certifies that Bidder is currently the holder of a valid license as a Contractor in the State of California, and that the license covers the proposed work. When the appropriateness of a particular license is in question, Bidder understands that the determination of the State of California, Department of Consumer Affairs, Contractors State License Board shall govern. These terms and conditions shall also apply to any subcontractors listed by Bidder.

Bidder is: (check one)

- An Individual Owner
- A Joint Venture
- A Partnership
- A Corporation

The Bidder shall be required to upload a signed copy of the following documents to the City’s bidding website prior to bid opening:

- Bid Proposal documents and any other documents required
- Bid Security
- Non-Collusion Declaration
- Contractor Customer Service Standards Acknowledgment
- Any other documents called out in the specifications

Any Bidder who fails to acknowledge all addenda will be declared non-responsive and their bid will not be considered.

**Acknowledge any addenda received here:________________________________________________________
NON-COLLUSION DECLARATION TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID

The undersigned declares:

I am the ______________ of __________________________, the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. 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. All statements contained in the bid are true. 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 therefor, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury of the laws of the State of California that the above information is true and correct and that this declaration is executed on ________ (date) at _____________ (city), __________________(state).

Contractor: _________________________________

By: _________________________________
    (Signature)

Title: _________________________________
STATE OF CALIFORNIA  )
     ) ss.
COUNTY OF ___________________ )

I HEREBY CERTIFY that during a meeting of the Board of Directors of the __________________
_____________________________________________________________________________________
_____________________________________________________________________________________
a corporation existing under the laws of the State of __________________________________, held on
__________________________________, 20___, the following resolution was duly passed and adopted:

"RESOLVED, that ______________________________________________________________, as
____________________________________________________ of the Corporation, be and is
hereby authorized to execute the Bid dated __________________________________, 20____, to the
City of Riverside for ___________________________________________________ for this
corporation and that his execution thereof and with the Corporate Seal affixed, shall be the official
act and deed of this Corporation."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the
corporation this _______________, day of __________________________________, 2015.

__________________________________
Secretary

(SEAL)
STATE OF CALIFORNIA  )

) ss.

COUNTY OF _________________) 

I HEREBY CERTIFY that during a meeting of the Principals of the _________________

________________________________________________ a joint venture existing under the laws of the
State of _________________, held on ______________________________, 20____, the following
resolution was duly passed and adopted:

"RESOLVED, that ______________________________________________________________, as
__________________________________________________ of the Joint Venture, be and is hereby
authorized to execute the Bid dated _________________, 20____, to the City of Riverside for
_________________________________________________________ for this joint venture and that
his execution thereof shall be the official act and deed of this Joint Venture."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this _________________, day of
_____________________, 2015.

_____________________________________
Managing Partner
STATE OF CALIFORNIA  )
 ) ss.
COUNTY OF _________________  )

I HEREBY CERTIFY that during a meeting of the Partners of the _________________

____________________ a Partnership existing under the laws of the State of _________________, held
on ________________________, 20____, the following resolution was duly passed and
adopted:

"RESOLVED, that ________________________________ of the Partnership, be and is hereby
authorized to execute the Bid dated ________________, 20____, to the City of Riverside for
___________________________________________________ for this Partnership and that his
execution thereof shall be the official act and deed of this Partnership."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this __________________, day of
__________________, 2015.

________________________________
Partner
Proposal Page 5

CITY OF RIVERSIDE

Bid No. 7467

CONTRACTOR CUSTOMER SERVICE STANDARDS

ACKNOWLEDGMENT

Customer Service is important to the City of Riverside and has resulted in the adoption of our motto and mission statement:

"People Serving People"
The City of Riverside will provide high quality Municipal services in a responsive and cost-effective manner.

The City and its Contractors shall at all times strive to represent the City in a professional, courteous, friendly, efficient, and cost-effective manner. The following customer service standards shall be enforced by Contractors:

1. Abide by the City's mission statement and customer standards as noted herein.

2. Furnish sufficient supervisory and working personnel capable of promptly accomplishing on schedule, to the satisfaction of the director / designee, all work required under the contract.

3. Have competent working supervisors on the job at all times work is being performed who are capable of communicating and discussing effectively, both in written and oral English, matters pertaining to the contract.

4. Remove from the work site any employees deemed careless, incompetent, or who generate multiple customer service complaints.

5. Have supervisors carry identification which clearly indicates to the public the name of the Contractor responsible for the project.

6. Have Contractor's vehicles assigned to the project clearly identified.

7. As applicable, with department's approval, issue a notice in business and residential areas in advance of project commencement stating work project, general time frame, company name, telephone number, job site contact person, City contact person and telephone number.

8. Endeavor to maintain good public relations at all times. Conduct work in a proper and efficient manner to create the least possible inconvenience to the general public.

Bidder shall return a signed copy of this form to the Purchasing Bidding Website prior to bid opening.

Company Name: ____________________________________________________________

Authorized Representative (Please Print): _______________________________________

Signature: _______________________________________ Date: _____________________