

**PUBLIC WORKS
NOTICE INVITING BID**

Page 1 of 2

The County of Riverside Purchasing Department, on behalf of the Riverside County Waste Management Department (County) herein called Owner, is soliciting quotes from licensed striping contractors for the **application of pavement markings and thermoplastic striping at the Lamb Canyon Sanitary Landfill.** The work to be completed by the Contractor shall include furnishing all parts, labor, materials, tools, rentals, power, equipment, disposal, transportation, supervision necessary, and all other items necessary for the removal of existing striping, surface preparation, application of new thermoplastic striping and pavement markings at the Lamb Canyon Landfill, in strict accordance with the Special Provisions in Appendix A and its attachments (Attachment No.1 – Landfill Site Rules, and Attachment No. 2 - Pavement Re-Striping and Marking, Plans and Details).

LOCATION:

Lamb Canyon Landfill
16411 Lamb Canyon Rd
Beaumont, CA 92223

Estimated Project Cost: \$37,500

ITEMS BELOW APPLY TO ALL PROPOSALS IN RESPONSE TO THIS BID

PROPOSALS: Each proposal shall be in accordance with the plans, specifications and other contract documents prepared by the County of Riverside's Waste Management Department. The complete packet may be obtained free of charge by visiting the County of Riverside Purchasing website www.purchasing.co.riverside.ca.us

BIDDER'S CONFERENCE – A Non-Mandatory Bidders' Conference shall be held at the Lamb Canyon Landfill site on Thursday, March 19, 2009 at 11:00 AM. Upon arrival on site, bidders shall proceed to the site's Fee Booth/Scale Station to receive instructions on the exact meeting location at the site.

Site Address: Lamb Canyon Landfill
16411 Lamb Canyon Rd
Beaumont, CA 92223

Attendance at this conference is **Non-Mandatory**; which means bids submitted from those who did not attend will still be accepted and considered.

CONTRACTOR LICENSE TYPE REQUIRED - Class A – General Engineering Contractor and/or C32 – Parking and Highway Improvement Contractor at time of contract award and through project completion.

PLEASE ALLOW 24 HOURS FOR THE POSTING OF RECAP

**PUBLIC WORKS
NOTICE INVITING BIDS**

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PREVAILING WAGES - Pursuant to the labor code, the governing board of the Owner has obtained from the director of the Department of Industrial Relations, State of California, his determination of general prevailing rates of per diem wages applicable to the work, and for holiday and overtime work, including employer payments for health and welfare, pension, vacation, and similar purposes, as set forth on the schedule which is on file at the principal office of the Owner, and which will be made available to any interested person upon request.

LIQUIDATED DAMAGES - It is agreed by the parties to the contract that time is of the essence and in the event complete delivery is not made within the time or times set forth pursuant to this specification, damage will be sustained by the Owner and that it is and will be impractical and extremely difficult to ascertain and determine the actual damage which the Owner will sustain in the event of and by reason of such delay. Therefore, it is agreed the successful bidder shall pay to the Owner, as fixed and liquidated damages, and not as penalty, a dollar sum in the amount of **\$500.00** per calendar day for each and every calendar day's delay in making delivery in excess of the time or times specified. It is further agreed that in the event such damages are sustained by the Owner, the Owner shall deduct the amount thereof from any moneys due or that may become due the vendor under the contract.

QUESTIONS *All questions regarding this RFQ shall be directed in writing no later than March 23, 2009 @ 10:00 AM, to County Purchasing: Attn: Debra Macias, Dtmacias@co.riverside.ca.us or Dedicated Secure FAX 951 955-3730. It is the responsibility of the bidder to confirm transmission of correspondence.*

Contact with other persons regarding this RFQ may result in disqualification of your submittal.

PROPOSAL SUBMITTAL - All proposals must be submitted on the four (4) page "Contractor's Proposal" form including completed Designation of Subcontractors, Non-Collusion Affidavit, and a Bid Guarantee pages. Proposals received without these completed pages and Bid Guarantee bond or check will be rejected as non-responsive.

BID PROPOSALS SHALL BE RETURNED TO:

COUNTY OF RIVERSIDE
PURCHASING AND MATERIAL SERVICES
2980 Washington Street
Riverside, CA 92504-4947

BID CLOSING DATE: MARCH 30, 2009 NO LATER THAN 1:30 PM

**ALL INSURANCES AND BONDS MUST BE FROM CALIFORNIA ADMITTED COMPANIES
BID PROPOSALS WILL BE PUBLICLY OPENED AT THE CLOSING DATE AND TIME INDICATED
ABOVE. NO BID PROPOSAL WILL BE ACCEPTED AFTER THE CLOSING DATE AND TIME.**

THE FOLLOWING DOCUMENTS ARE HEREBY MADE PART OF THIS RFQ

- | | | |
|--|--|--|
| ☒ INSTRUCTIONS TO BIDDERS | ☒ CONTRACTOR'S PROPOSAL FORM | ☒ BID BOND FORM |
| ☒ PAYMENT BOND FORM | ☒ PERFORMANCE BOND FORM | ☒ AGREEMENT FORM |
| ☒ GENERAL CONDITIONS - PUBLIC WORKS | | |
| ☒ INSURANCE REQUIREMENTS | | |
| ☒ APPENDIX A-SPECIAL PROVISIONS | | |
| ☒ EXHIBIT No. 1 – DETAILED SPECIFICATIONS | | |
| ☒ ATTACHMENT No. 1 – LANDFILL SITE RULES | | |
| ☒ ATTACHMENT No. 2 – PAVEMENT RE-STRIPING AND MARKING, PLANS AND DETAILS | | |
| ☒ ATTACHMENT No. 3 – COST SHEET | | |
| ☒ ATTACHMENT No. 4 – INSURANCE REQUIREMENTS | | |

General Conditions may be obtained by going to <http://www.purchasing.co.riverside.ca.us>

INSTRUCTIONS TO BIDDERS

Page 1 of 2

- I. **PRE-QUALIFICATION** - Unless stated elsewhere in this document, you must fill out and return with your response the attached Pre-qualification/Vendor Information form, to be qualified. If no form is enclosed or there are no other pre-qualification requirements stated elsewhere in this document, you may assume you are pre-qualified.
- II. **PRICES/NOTATIONS** - All prices/notations must be typewritten or written in ink. No erasures permitted. Mistakes shall be crossed out, corrections made adjacent and initialed by person signing document. Each item shall be bid separately.
- III. **FORMAT** - The proposal must be made on the attached Contractor's Proposal Form, filled out completely, dated and signed by the bidder or duly authorized agent in accordance with the directions on the proposal form. Each proposal shall include a complete list of the Sub-Contractors proposed for every portion of the work, in accordance with Public Contract Code, Section 4100-4108, inclusive.
- IV. **PRICING/TERMS/TAX** - All pricing shall be quoted F.O.B. destination, (e.g., cash terms less than 30 days should be considered net) including applicable tax, permits, and licenses. The Owner pays California Sales Tax and is exempt from Federal excise tax. In the event of an extension error, the unit price shall prevail.
- V. **OTHER TERMS AND CONDITIONS** - The terms and conditions as indicated in this document and/or attached are hereby included with full force and like effect as if set forth herein.
- VI. **OWNER'S RESERVATION OF RIGHTS** - The Owner reserves the right to reject any or all offers, to waive any discrepancy or technicality or informalities in a bid or in the bidding, and to make the award in any manner determined by the Owner to be most advantageous to the Owner. The Owner recognizes that prices are only one of several criteria to be used in judging an offer and the Owner is not legally bound to accept the lowest offer.
- VII. **SUBMITTAL OF THE PROPOSAL** - Signed copies of each proposal shall be sealed in an envelope labeled with the RFQ number, title of bid, and opening date and time. The bid response shall be delivered to Purchasing and Material Services at the address above or, **if no bond is required**, may be FAX'ed to the dedicated Secure Bid FAX number listed above by 1:30 p.m. on the closing date listed above. If Faxed, the RFQ number, title, and closing date and time shall appear on the bid cover sheet. Under no circumstances will a proposal be accepted after the exact closing date and time. The Owner is not responsible for late or lost mail, or fax errors or incomplete transmissions or busy fax lines.
- VIII. **WITHDRAWAL OF SUBMITTAL** - A proposal may be withdrawn only prior to the closing date and time. Withdrawal of a proposal must be made in person by the bidder or someone authorized by him in writing. Proof of identification will be required for proposal withdrawal. No bidder may withdraw his bid for a period of sixty (60) days after the time set for opening thereof.
- IX. **DRAWINGS AND SPECIFICATIONS** - All drawings, herein enclosed, become part of the bid documents. Additional sets may be provided if requested by bidders and deemed necessary and if there is sufficient time, free of charge.

INSTRUCTIONS TO BIDDERS

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- X. **INTERPRETATION OF THE DOCUMENTS** - Discrepancies in, and omissions from the plans, specifications or other contract documents or questions as to their meaning shall, at once, be brought to the attention of the Owner. Any interpretation of the documents will be made only by addenda duly issued and a copy of such addenda will be mailed or delivered to each person or firm receiving a set of such documents. The Owner will not be responsible for any other explanations or interpretations. Should anything in the scope of the work or any section of the specifications be of such nature as to be apt to cause disputes between the various trades involved, such information shall be promptly called to the attention of the Owner.
- XI. **ADDENDA TO THE DOCUMENTS** - The Owner reserves the right to issue such Addenda to the documents as it may desire at any time prior to the time fixed for receiving proposals. A copy of all such addenda will be promptly mailed or delivered to each bidder. The number and date of each addenda shall be listed on the Contractor's proposal in the space provided.
- XII. **BIDDER'S CHECK OR BOND** - Each proposal must be accompanied by a certified or cashier's check or by a bid bond on the form supplied by the Owner, drawn in favor of the Owner in an amount not less than ten percent (10%) of the total proposal. This check or bond shall be given as guarantee that the bidder, if awarded the contract, will execute and deliver the Contract documents and the required Payment and Performance Bonds in accordance with his proposal accepted by the Owner. In default of execution of the Contract upon award and/or delivery of said Payment and Performance Bonds, such proposal bond or check shall be held subject to payment to the Owner of the difference in money between the amount of the bidder's proposal and the amount for which the Owner may legally contract with another party to perform the said work, together with the costs to the Owner of redrafting, redrawing, and publishing documents and papers shall, in addition, be held subject to all other actual damages suffered by the Owner, as set forth on the Contract documents. Said check or bond will be returned upon the close of the period mentioned in Paragraph VIII., above, and to the successful bidder upon execution of the Contract documents. No bonds will be accepted unless submitted on the form supplied by owner.
- XIII. **AWARD OF CONTRACT** - The Contract shall be awarded upon issuance of a County of Riverside Purchase Order including the Contract documents. Execution of the Purchase Order shall constitute a written memorial thereof.
- XIV. **ADDITIONAL INFORMATION** - The Owner reserves the right to require of a bidder, information regarding financial responsibility or such other information as the Owner determines is necessary to ascertain whether a bid is in fact the lowest responsible and responsive bid submitted, all references to an architect shall be deemed to refer to the Owner where no architect has been employed by the Owner.
- XV. **PROMPT ACTION BY THE CONTRACTOR** - After the award of the Contract by the Owner and within four (4) days after the Agreement Forms are presented to the Contractor for signing, the Contractor shall return to the Owner the signed agreements, along with all necessary bonds.
- XVI. **ARCHITECT** - Reference to the word "Architect" throughout these specifications shall mean "Engineer".

CONTRACTOR'S PROPOSAL

Page 1 of 4

The undersigned having carefully examined the proposed site, the drawings and specifications, the Notice Inviting bids, the Instructions to Bidders, the Agreement form, the Bond Forms, the General Conditions and the Supplementary General Conditions for this RFQ hereby proposes and agrees to furnish all tools, equipment, services, apparatus, facilities, transportation, labor and materials necessary to complete the project as outlined in this RFQ in strict conformity with the plans and specifications, including all work specified in Addenda numbered and dated:

Addendum No. _____ Date: _____

Addendum No. _____ Date: _____

Addendum No. _____ Date: _____

COST SUMMARY – BIDDER MUST ALSO COMPLETE, SIGN AND SUBMIT WITH BID ATTACHMENT 3

LABOR \$ _____

MATERIALS \$ _____

ALL OTHERS \$ _____

BASE BID - The undersigned proposes to perform all work of said project for the sum of \$ _____

Sum quoted includes all applicable taxes, permits, licenses, insurance and bond costs, if any, and all other costs incidental to the resultant contract.

PAYMENT TERMS: _____ Method _____ Lump Sum at Completion
(Prompt Pay Discount) _____ Progress Payments

EXECUTION HEREON IS CERTIFICATION THAT THE UNDERSIGNED HAS READ AND UNDERSTOOD THE INSTRUCTIONS, GENERAL CONDITIONS AND SPECIFICATIONS INCLUDED IN THIS REQUEST FOR QUOTATION AND THAT THE UNDERSIGNED'S PRINCIPAL IS FULLY BOUND AND COMMITTED.

Prior to issuance of an order, a Certificate of Liability Insurance and required bonds must be on file with the County Purchasing Office. Bidder agrees to commence work within _____ calendar days after receipt of purchase order and will complete work within _____ calendar days thereafter.

Company: _____

Address: _____ City: _____ State: _____ Zip: _____

I hereby swear under penalty that the information provided is true and correct.

Signed by: _____ Date: _____

We are a: _____ Disabled Veteran Owned Business Enterprise

CONTRACTOR'S PROPOSAL

Page 2 of 4

DESIGNATION OF SUBCONTRACTORS

In compliance with Section 4104 of the California Public Contract Code, the undersigned submits the following complete typed list of each Sub-Contractor who will perform work or labor or render service in or about the construction/installation in an amount in excess of ½ of 1% of said total bid.

<u>PORTION OF THE WORK</u>	<u>SUBCONTRACTOR</u>	<u>ADDRESS</u>

CONTRACTOR'S PROPOSAL

Page 3 of 4

AWARD OF CONTRACT

The undersigned fully understands that a contract is formed upon the acceptance of this proposal by the Owner and the undersigned further agrees that upon request he will promptly execute and deliver to Owner a written memorial of the contract together with the required Payment and Performance Bonds.

BID GUARANTEE

The enclosed certified or cashier's check or bidder's bond on approved form, made payable to the Owner in the amount of ten percent (10%) of the total bid submitted herewith, is hereby given as a guarantee that the bidder will execute and deliver the above mentioned written memorial and required bonds if awarded the contract, and in the event that the undersigned fails or refuses to execute and deliver said documents, such check or bond is to be charged with the costs of the damages experienced by the Owner as a result of such failure or refusal, including but not limited to publication costs, the difference in money between the amount of the bid of the said principal and the amount for which obligee may legally contract with another party to perform the said work if such amount be in excess of the former, building lease or rental costs, transportation costs and additional salary costs that result from the delay due to the principal's default on the awarded contract. In no event, however shall the Surety's liability exceed the penal sums hereof.

Name of Bidder: _____

Type of Organization: _____

Signed By: _____

Title of Signer: _____

Address of Bidder: _____

Telephone No.: _____ FAX No. _____

Contractors License No.: _____ Classification: _____ Expire: _____

LICENSURE STATEMENTS ARE MADE UNDER PENALTY OF PERJURY

If bidder is a corporation, and signer is not president or secretary, attach certified copy of by-laws or resolution authorizing execution. If bidder is a corporation, affix corporate seal. If signer is an agent, attach power-of-attorney. If bidder is not an individual, list names of other persons authorized to bind the organization.

AGREEMENT FORM

Page 1 of 2

THIS AGREEMENT, entered into this _____ day of _____, 2009, by and between _____, hereinafter called the "Contractor", and the County of Riverside, hereinafter called "Owner".

WITNESSETH: That the parties hereto have mutually covenanted and agreed as follows:

CONTRACT: The complete contract includes all of the Contract documents, to wit: The Notice Inviting Bids, Instructions to Bidders, Contractor's Proposal, Wage Schedule, Payment and Performance Bonds, Plans and Specifications plus any Addenda thereto, General Conditions, Supplementary General Conditions and this Agreement. All Contract documents are intended to cooperate and become complimentary so that any work called for in one and not mentioned in the other, or vice versa, is to be executed the same as if mentioned in all Contract Documents.

STATEMENT OF WORK: The Contractor hereby agrees to furnish all tools, equipment, services, apparatus, facilities, transportation, labor, and materials necessary for completion of the **Pavement Re-Striping and Marking at the Lamb Canyon Sanitary Landfill.** in strict accordance with the plans and specifications prepared by Riverside County Waste Management Department, hereinafter called the "Architect", including addenda thereto as listed in the Contractor's Proposal, all of which are made part hereof.

TIME FOR COMPLETION: The work shall be commenced on a date to be specified in a written order of the Architect and shall be completed within **Twenty-one (21) calendar days** from and after said date. It is expressly agreed that except for extensions of time duly granted in the manner and for the reasons specified in the General Conditions, time shall be of the essence.

COMPENSATION TO BE PAID TO CONTRACTOR: The Owner agrees to pay and the Contractor agrees to accept in full consideration for the performance of the Contract, subject to additions and deductions as provided in the General Conditions, the sum of \$(_____) being the total of the base bid plus the following alternatives: _____

Addendum No's _____

The sum is to be paid according to the schedule as provided in the General Conditions.

Pursuant to Labor Code Section 1861, the Contractor gives the following certification: "I am aware of the provisions of section 3700 of the Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of work of this contract".

IN WITNESS WHEREOF, the parties hereto on the day and year first above written have executed this agreement.

AGREEMENT FORM

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Type of Contractor's organization: _____

If other than individual or Corporation, list names of all members who have authority to bind firm:

IF OTHER THAN CORPORATION EXECUTE HERE:

Firm Name: _____

Address: _____

Contractor's License No. _____

Signature: _____

Title: _____

IF CORPORATION, FILL OUT THE FOLLOWING AND EXECUTE:

Name of President of Corporation: _____

Name of Secretary of Corporation: _____

Corporation organized under the laws of the State of

Firm Name: _____

Address: _____

Contractor's License No. _____

Signature: _____

Title: _____

DO NOT COMPLETE BELOW THIS LINE

Attest:

County of Riverside Owner

By

(Official Title)

BID BOND

Page 1 of 2

KNOWN TO ALL MEN BY THESE PRESENTS, that we the undersigned _____, as Principals; and _____, as Surety, are hereby held and firmly bound unto the County of Riverside, hereinafter called the "Owner", in the sum of (\$ _____) Dollars for payment of such sum, well and truly to be made, do hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assignees.

WHEREAS, the said Principal is herewith submitting its proposal **Pavement Re-Striping and Marking at the Lamb Canyon Sanitary Landfill:** THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that if the aforesaid Principal shall be awarded the Contract upon said proposal and shall, within the required number of days after the notice of such award, execute a written memorial of the awarded Contract and submit the required labor and material payment and faithful Performance Bond, then this obligation shall be null and void; and in the event that the Principal fails and/or refuses to execute and deliver said documents this bond will be charged with the costs of the damages experienced by the Owner as a result of such refusal, including but not limited to, publication cost, the difference in money between the amount of the bid of the said Principal and the amount for which the obligee may legally contract with another party to perform the said work if such amount be in excess of the former; building lease or rental costs, transportation costs, and additional salary costs that result from the delay due to the Principal's default on the awarded Contract. In no event however, shall the Surety's liability exceed the penal sum hereof.

The Surety for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

BID BOND

Page 2 of 2

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their separate seals this _____ day of _____, 2009, the name and corporate seal of each corporate party being hereto affixed and those present dully signed by its undersigned representative, pursuant to authority of its governing body.

(Firm Name – Principal)

(Business Address)

(Original Signature)

By

(Title)

Affix Seal
if
Corporation

=====

(Corporation Name – Surety)

(Business Address)

By

(Original Signature)

Affix
Corporate
Seal

ATTORNEY-IN-FACT

(Title – Attach Power of Attorney)

=====

COUNTY OF RIVERSIDE
PURCHASING AND FLEET SERVICES
2980 Washington Street
Riverside, CA 92504-4947
(951) 955-4937 BID FAX (951) 955-3730

Request for Quote: WMARC142
Bid issue Date: 03/12/09
Closing Date: **03/30/09 1:30 P.M.**
D. Macias, PCS (951) 955-4814
DTMacias@co.riverside.ca.us

PAYMENT BOND

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(Public Work - Civil Code Section 3247 et seq.)

The makers of this Bond are _____, as principal and Original Contractor and, _____ a corporation, authorized to issue Surety Bonds in California, as Surety, and this Bond is issued in conjunction with that certain public works contract dated _____. Between Principal and County of Riverside, a public entity, as owner, for \$_____, the total amount payable. THE AMOUNT OF THIS BOND IS FOR 100% OF SAID SUM. Said Contract is for public work generally consisting of **Pavement Re-Striping and Marking at the Lamb Canyon Sanitary Landfill.**

The beneficiaries of this Bond are as stated in 3248 of the Civil Code and the requirements and conditions of this bond are as set forth in Sections 3248, 3249, 3250, and 3252 of said Code. Without notice, Surety consents to extension of time for performance, change in requirements, amount of compensation, or prepayment under said contract.

Signed and Sealed this _____ Day of _____, 2009 _____

(Firm Name – Principal)

(Business Address)

(Signature – Attach Notary's Acknowledgment)

By _____

(Title)

Affix Seal
if
Corporation

(Corporation Name – Surety)

(Business Address)

By _____

(Original Signature)

Affix
Corporate
Seal

ATTORNEY-IN-FACT

(Title – Attach Power of Attorney)

PERFORMANCE BOND

Page 1 of 1

The makers of this Bond, _____, as Principal and as Surety, are held and firmly bound unto County of Riverside, hereinafter called the Owner, in the sum of _____ Dollars \$(_____) for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrator, and successors, jointly and severally, firm by these presents. The condition of this obligation is such, that whereas the Principal entered into a certain contract, hereto attached, with the Owner, dated for: **Pavement Re-Striping and Marking at the Lamb Canyon Sanitary Landfill.**

Now therefore, if the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term of said Contract and any extension thereof that may be granted by the Owner, with or without notice to the Surety, and during the life of any guarantee required under the Contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said Contract that may thereafter be made, then this obligation to be void, otherwise to remain in full force and virtue. Without notice, Surety consents to extension of time for performance, change in requirements, change in compensation or prepayment under said Contract.

Signed and Sealed this _____ Day of _____, 2009

(Firm Name – Principal)

(Business Address)

(Signature – Attach Notary’s Acknowledgment)

By

(Title)

(Corporation Name – Surety)

(Business Address)

By

(Original Signature)

ATTORNEY-IN-FACT

(Title – Attach Power of Attorney)

Affix Seal
if
Corporation

Affix
Corporate
Seal

APPENDIX “A”

Riverside County Waste Management Department

Pavement Re-Striping and Marking at the Lamb Canyon Sanitary Landfill Special Provisions

Purpose

The Riverside County Waste Management Department (County) owns and operates the Lamb Canyon Sanitary Landfill. The Lamb Canyon landfill is located at 16411 Lamb Canyon Rd., Beaumont, Ca. 92223 [see Attachment No.2]. The County is soliciting quotes for the application of thermoplastic traffic striping and pavement markings on various roadway surfaces within the landfill site as shown on the project plans and details included as Attachment No.2, in this RFQ.

This work shall consist of removing all existing striping, and removing dirt and contaminants from pavement surfaces to prepare the area to receive new thermoplastic material by sandblasting or grinding; furnishing and applying primer; and furnishing and applying thermoplastic traffic stripes, pavement markings, glass beads, and retroreflective & non-retroreflective pavement markers in accordance with Sections 84, 85, and 95 of the Standard Specifications for the State of California, Department of Transportation (Caltrans) and the California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2003 Edition, as amended on May 20, 2004 for use in California) hereafter referred to in this document as Cal MUTCD. The Contractor shall furnish all necessary labor, material, equipment, tools, and supervision necessary for completion of the work.

1. Work Day Definition

In order to ensure proper surface preparation and striping application, all phases of work on this project shall only take place when the landfill site is closed after 4:30 PM and before the site opens the next day at 6:00 AM, Monday through Saturday, and also when the site is closed on Sundays. The County may conditionally allow work to be performed during landfill business hours (6:00 AM to 4:30 PM Monday - Saturday) only for the portion of work located along the site's main access road between Highway 79 and the weigh station by-pass lane (this is where the main access road transitions from 3 lanes to 4 lanes, see Attachment No. 2 – Sheets 3 to 5). Allowing work to take place during landfill business hours is conditional on the County's acceptance of a work phasing plan and traffic control plan to be prepared and implemented by the Contractor in accordance with the Work Area Traffic Control Handbook (WATCH), latest edition, and the Cal MUTCD, Temporary Traffic Control, latest edition.

2. Contractors Responsibilities

The Contractor shall submit a site specific safety plan, material manufacturer certifications, bonds, certificates of insurance, Hazardous Materials Business Emergency Plan (if such material will be stored at the site), and construction schedule within ten (10) calendar days of the Contractor's receipt of Purchase Order from the County. Work will not be allowed to commence until after the County's acceptance of the site specific safety plan, bonds and insurance, and other required documents as deemed necessary by the County.

The Contractor shall commence work within **ten (10) calendar days** after receipt of Purchase Order and will diligently and continuously prosecute the work to final completion within **twenty-one (21) calendar days** thereafter.

In case all work called for and all the conditions and requirements of the Contract Documents are not completed within the number of calendar days specified above, liquated damages of **Five Hundred Dollars (\$500) per day** for each additional calendar day required to properly complete the Project in excess of the allowed number of calendar days shall be paid by the Contractor to the County. The County may also deduct this amount from payments due to the Contractor.

Delays to the project due to adverse weather, landfill operations, or as deemed necessary by the County will be added appropriately to the allowed period of performance. Contractor will receive no monetary compensation for such delays.

2.1 Safety

Prior to delivering equipment to the site, the Contractor shall submit a project-specific site safety plan to the County for review. Acceptance of this safety plan does not release the Contractor of liability in the event of an accident or injury, nor does it place any liability on the County or any County employee. As part of the implementation of the safety plan, the contractor shall hold onsite weekly tailgate safety meetings with his employees (including subcontractors) to review this safety plan. Documentation of these meetings (topics discussed and sign in sheets) shall be forwarded to the County. This safety plan shall meet all the requirements of the applicable Federal and State regulations. The Contractor shall be responsible for the implementation and adherence to this safety plan at all times. Any necessary revisions shall be submitted to the County for review and acceptance.

The project site is an active landfill facility. The Contractor shall be required to comply with the County landfill site safety rules. A copy of these rules is enclosed herewith for information and use in preparation of the required project-specific site safety plan (see Attachment No.1). Any of the Contractors activities that may impact the normal landfill operation shall be discussed with County personnel prior to commencement of the activities so that proper safety and control measures can be implemented.

The County reserves the right to direct removal of any of the Contractor's employees or subcontractors who are not adhering to or meeting the requirements of the County landfill site safety rules, project-specific safety plan or applicable laws and regulations.

2.1 Security and Storage of Contractor Equipment and Materials

The Contractor shall assume full responsibility for any theft or vandalism occurring to the Contractor's equipment, tools, materials, supplies, and construction (prior to final acceptance of the entire project by the County), and shall take appropriate measures necessary to eliminate their occurrences.

If the Contractor intends to store fuel or any other hazardous substances onsite, then prior to delivering this material onsite, the Contractor will be required to submit a Hazardous Materials Business Emergency Plan (HMBEP), including an inventory of all chemicals that will be stored onsite in accordance with Riverside County Ordinance 651. A copy of this ordinance is available upon request, or it can be viewed on the internet at:

<http://www.clerkoftheboard.co.riverside.ca.us/ords/600/651.3.pdf>

All hazardous materials stored onsite shall be properly labeled and maintained within an approved secondary containment structure. Spills, including drips from equipment, and debris shall be cleaned, and material disposed of in a proper manner. The Contractor shall refer to, and comply with terms of the County Spill Prevention, Control, and Countermeasure Plan (SPCCP) for the site where applicable. A copy of the plan is kept on site in the fee collection booth, or is available through the main office upon request.

2.2 BIDDER QUALIFICATIONS AND SUBMITTAL REQUIREMENTS

A bidder must satisfy the following to bid on this project:
Within the last five years, the Contractor shall have successfully completed at least three pavement markings (thermoplastic striping and raised pavement markers) projects with quantities equal to or greater than the proposed project quantities. With the submitted bid, the Contractor shall submit for approval by the County documented evidence of satisfaction of the Bidder Qualification listed above, including the name and experience of the superintendent. As part of this submittal, a project reference list shall be provided indicating at a minimum, the name, address, and phone number of the project owner and owner's representative, the project location, description and quantities of thermoplastic striping and raised pavement markers installed.

EXHIBIT NO. 1
DETAILED SPECIFICATIONS

1. Products & Submittals

The Contractor shall submit product data sheet, and manufacturer's application instructions for all materials to the County Project Manager for approval.

1.1 Striping

Striping shall conform to Section 84 - "Traffic Stripes and Pavement Markings" of the Caltrans Standard, Part 3 "Markings" of the Cal MUTCD, and these Contract Documents.

1.2 Thermoplastic Stripes and Pavement Marking Material

Thermoplastic traffic stripes and pavement marking materials shall conform to the State of California Department of Transportation Specification for Thermoplastic Traffic Striping Material, Alkyd Resin Binder (PTH-02ALKYD), Hydrocarbon Resin Binder (PTH-02HYDRO), or Sprayable Thermoplastic Traffic Striping Material (PTH-02SPRAY).

Thermoplastic traffic stripes and raised pavement markers, where applicable, shall conform to the most current approved pre-qualified and tested signing and delineation materials and products list maintained by the California Department of Transportation.

1.3 Glass Beads

Glass beads material shall conform to State Specification 8010-004 (Type II), and be applied in accordance with Section 84 of the latest edition of the State of California Department of Transportation Standard Specifications.

1.4 Raised Pavement Markers

Raised pavement markers shall conform to Section 85, "Pavement Markers" of the latest edition of the State of California Department of Transportation Standard Specifications, Part 3 "Markings" of the Cal MUTCD, and these Contract Documents.

1.5 Channelizers

Channelizers shall conform to, Part 3 "Markings", Section 3F.02 "Channelizing Devices", and figure 3F-101(CA) of the Cal MUTCD, and these Contract Documents. Channelizer posts shall be yellow with a white reflector.

1.6 Standard Set Epoxy

Standard set type epoxy adhesive shall conform to the provisions in Section 95-2.05 "Standard Set Epoxy Adhesive for Pavement Markers" of the latest edition of the State of California Department of Transportation Standard Specifications.

Rapid set type epoxy adhesive shall conform to the provisions in Section 95-2.04 "Rapid Set Epoxy Adhesive for Pavement Markers" of the latest edition of the State of California Department of Transportation Standard Specifications.

Hot melt bituminous adhesive shall conform to Section 85-1.055 “Adhesives” of the latest edition of the State of California Department of Transportation Standard Specifications.

2. Execution

2.1 Striping Removal and Asphalt Surface Preparation for New Pavement Markings and Thermoplastic Application

Existing traffic stripes and pavement markings shall be removed by grinding, sand-blasting, or other alternative methods approved by the County in writing and shall result in the least possible damage to the pavement with depressions not exceeding 1/8-inch. If the removal of striping causes a depression of 1/8-inch or greater in the pavement surface, the Contractor shall fill and seal coat the damaged area per Section 37 “Bituminous Seals” and Section 39 “Asphalt Concrete” of the latest edition of the State of California Department of Transportation Standard Specifications. Pavement marking shall be removed in a rectangular area in such a manner that the old marking cannot be seen or identified. The minimum dimensions of the rectangle shall be the height and width of the pavement marking.

Contractor is advised that the public access road for the landfill receives substantial dirt tracking over all entrance and exit lanes. Cleaning methods such as sweeping, blowing with compressed air, and rinsing with water have proven in the past to be insufficient and therefore will not be allowed as the only means of surface preparation in this project. The pavement shall be cleaned by grinding, scarifying, sand-blasting, or a combination of these or other methods as deemed necessary to obtain an acceptably clean surface by County staff. Thoroughly cleaned surfaces to be marked, must be approved by the County in writing before application of the new thermoplastic striping.

Residue resulting from removal operations shall be removed from pavement surfaces by sweeping or vacuuming before the residue is blown by the action of traffic or wind, migrates across lanes or shoulders, or enters into drainage facilities. Where grinding or sand-blasting is used, the residue, including dust shall be removed immediately after contact between the grinding or sand-blasting material and the surface being treated. Such removal shall be by a vacuum attachment operating concurrently with the grinding or sand-blasting operation. Any alternative methods proposed by the Contractor shall be approved by the County in writing before proceeding with the work.

In areas where the new striping will be NOT be installed at the same locations and alignments of the existing striping, the existing surface which is to receive the new thermoplastic material shall be thoroughly cleaned to remove, dust, dirt, and other granular surface deposits.

Full compensation for existing striping removals and additional grinding outside the limits of the existing pavement marking images to obtain a rectangular area shall be considered as included in the contract unit price for Bid Item #2 “Remove Existing Striping and Prepare Asphalt Surface for New Pavement Markings and Thermoplastic Application” and no additional compensation will be allowed.

2.2 Control of Alignment and Layout

All work necessary to establish alignment and layout for stripes and pavement markers shall be performed by the Contractor with any device or method that will not damage the pavement or conflict with other control devices.

2.3 Tolerances and Appearance

Traffic stripes, raised pavement markers, and pavement markings shall conform to the dimensions and details shown on the corresponding Cal MUTCD detail.

Completed stripes shall have clean and well defined edges without running or deformation, shall be uniform, shall be straight on tangent alignment and shall be on a true arc on curved alignments. The widths of the completed stripes shall not deviate more than ¼ inch on tangent or more than ½ inch on curves as determined by the County representative in the field. Broken stripes shall also conform to the following requirements:

- a. The lengths of the gaps and individual stripes that form broken traffic stripes shall not deviate more than 1 inch from their standard lengths.
- b. The lengths of the gaps and individual stripes shall be of such uniformity throughout the entire length of each broken traffic stripe that a normal striping machine will be able to repeat the pattern and superimpose additional stripes upon the traffic stripe being applied.

Completed pavement markings shall have clean and well-defined edges without running or deformation and shall conform to dimensions shown on the referenced details, except that minor variations may be accepted by the County representative in the field.

2.4 Thermoplastic Striping

Thermoplastic striping for the project shall be in accordance with requirements of the Contract Documents, and shall be implemented in compliance with the manufacturer's instructions and the applicable construction procedures, and details expressed in referenced standards.

New striping and pavement markings shall be applied to the prepared asphalt surface after cleaning and prior to the opening of the roadway to landfill traffic. Any areas exposed to landfill traffic after surface preparation and cleaning shall be subject to inspection by the County and may require additional cleaning prior to application of striping.

The Contractor shall not apply coatings during rain, when humidity is above 50 percent, or when the temperature is less than 50°F, unless otherwise allowed by manufacturer's instructions and approved by the County.

A primer/sealer, of the type recommended by the manufacturer of the thermoplastic material, shall be applied to all asphaltic surfaces. The primer/sealer shall be applied immediately in advance of, and concurrent with, the application of the thermoplastic material or in accordance with the manufacturers' recommendations. The primer/sealer shall be applied at the application rate recommended by the manufacturer and shall not be thinned.

Pre-heaters with mixers having 360 degree rotation shall be used to preheat the material

The thermoplastic material shall be applied to the pavement at a temperature between 400° F and 425° F, unless a different temperature is recommended by the manufacturer.

The thermoplastic material shall be applied by either spray or extrusion methods in a single uniform layer.

Stencils shall be used when applying thermoplastic material for pavement markings.

The pavement surface to which the thermoplastic material is applied shall be completely coated by the material and the voids of the pavement surface shall be filled.

Thermoplastic material for traffic stripes shall be applied at a minimum thickness of 0.060 inch. Thermoplastic material for pavement legends and markings shall be applied at a thickness of 0.100-inch to 0.150-inch. Glass beads shall be applied immediately to the surface of the molten thermoplastic material at a rate of not less than 8 pounds per 100 square feet. The amount of glass beads applied shall be measured by stabbing the glass bead tank with a calibrated rod.

The Contractor shall take precautionary measures to prevent spills or fire hazards. Drips, overspray, improper markings and paint and thermoplastic material tracked in by traffic shall be immediately removed from the pavement surface by methods approved by the County. All this removal work shall be at the Contractor's expense.

2.5 Raised Pavement Markers

Raised pavement markers for the project shall be in accordance with requirements of the Contract Documents, and shall be implemented in compliance with the manufacturer's instructions and with Section 85-1.06 "Placement" of the latest edition of the State of California Department of Transportation Standard Specifications.

Pavement that shall receive raised pavement markers shall be thoroughly cleaned in accordance with the requirements detailed in Section 6.1, "Striping Removal and Asphalt Surface Preparation for New Pavement Markings and Thermoplastic Application" of these Special Provisions.

Unless otherwise approved in writing by the County, pavement markers shall be cemented to the pavement with hot melt bituminous adhesive or rapid set type epoxy adhesive in conformance with the manufacturer's instructions. Epoxy adhesive shall not be used to apply non-reflective plastic pavement markers. Butyl pads shall not be allowed for raised pavement marker installation.

All work necessary to establish satisfactory alignment for placing pavement markers shall be performed by the Contractor. Reflective markers shall be placed in such manner that the reflective face of the marker is perpendicular to a line parallel to the roadway centerline.

No pavement markers shall be placed over longitudinal or transverse joints of the pavement surface.

Adhesive shall be placed uniformly on the pavement surface or on the bottom of the marker in a quantity sufficient to result in complete coverage of the area of contact of the marker with no voids present and with a slight excess after the marker has been pressed in place. The marker shall be placed in position and pressure applied until firm contact is made with the pavement. When hot melt bituminous adhesive is used, the markers shall be placed immediately after application of the adhesive. Excess adhesive around the

edge of the marker, excess adhesive on the pavement, and adhesive on the exposed surfaces of the markers shall be immediately removed. Soft rags moistened with mineral spirits conforming to Army Mil-PRF-680A(1) or kerosene may be used, if necessary, to remove adhesive from exposed faces of pavement markers. No other solvent shall be used. The marker shall be protected against impact until the adhesive has hardened to the degree designated by the County.

2.6 Channelizers

Channelizers for the project shall be in accordance with requirements of the Contract Documents, and shall be implemented in compliance with the manufacturer's instructions and with Section 3F "Barricades and Channelizing Devices" of the Cal MUTCD.

Pavement that shall receive channelizers shall be thoroughly cleaned in accordance with the requirements detailed in Section 6.1, "Striping Removal and Asphalt Surface Preparation for New Pavement Markings and Thermoplastic Application" of these Special Provisions.

Channelizer shall be surface mount with replaceable posts. The post shall be flexible with a 57 mm (2 ¼ in) minimum width, except that the portion containing the retroreflective unit shall be a minimum width of 75 mm (3 in). The post shall be a minimum height of 36 in above the pavement.

Channelizer posts shall be yellow in color, and shall have affixed white retroreflective sheeting 3" x 12" in size. The retroreflective sheeting shall be visible at 1,000 feet at night under illumination of legal high beam headlights, by persons with vision of or corrected to 20/20.

The channelizer bases shall be cemented to the pavement in the same manner as provided for cementing pavement markers to pavement in Section 6.2 of these Special Provisions and in Section 85-1.06, "Placement" of the latest edition of the State of California Department of Transportation Standard Specifications.

Channelizers shall be placed on the alignment and location shown on the plans, or directed by the Engineer. The channelizers shall be placed uniformly, straight on tangent alignment and on a true arc on curved alignment. All layout work necessary to place the channelizers to the proper alignment shall be performed by the Contractor.

If the channelizers are displaced or fail to remain in an upright position, from any cause, the channelizers shall immediately be replaced or restored to their original location, by the Contractor.

3. General Measurement and Payment

Payment will be made upon satisfactory completion of all items of work as required by this project. No progress payments will be made by the County to the Contractor for any completed portion of the work. Payment will be based on final installed quantities as measured by County representatives in the field.

The items of work to be performed shall conform to this RFQ, Construction Drawings, Referenced Specifications, and all governing codes, ordinances, rules, and regulations governing the performance of work. The work to be performed by the Contractor includes but is not limited to furnishing all labor, materials, vehicles, tools, equipment, power, and incidentals necessary for the implementation of this project.

3.1 Bid Item 1 – Mobilization and Demobilization

Mobilization shall consist of furnishing all equipment and temporary facilities including but not limited to bonds and insurance costs, preparation and implementation of a health and safety plan, preparation and implementation of an HMBEP (if required), supplies, transportation, equipment, utilities, maintenance and service labor, and cost of temporary services, etc as specified herein. Payment for mobilization shall be based on the contract lump-sum bid price and no additional compensation shall be allowed. The deletion of work or the addition of extra work shall not affect the lump-sum bid price for mobilization and demobilization.

Demobilization shall include but not be limited to cleaning work area, removal of equipment and materials from the site, proper cleanup of construction-generated debris and the removal of any temporary structures as required by the County.

3.2 Bid Item 2 – Remove Existing Striping and Prepare Asphalt Surface for New Pavement Markings and Thermoplastic Application

Striping removal and asphalt surface preparation shall be paid for at the contract lump-sum unit price and no additional compensation shall be allowed. The quantity of removal and surface preparation is approximately the same as the quantity of new striping (including thermoplastic, raised pavement markers, and channelizers) to be applied under this contract, with some additional quantity due to re-alignment, additions and deletions to the existing onsite striping.

The contract lump-sum price for striping removal and asphalt surface preparation shall include full compensation to the Contractor for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: implementation of traffic control measures during the removal of existing striping and preparation of asphalt surfaces (if necessary per Section 2.1 herein), grinding or sandblasting of existing striping and preparing asphalt surfaces, sweeping and/or vacuuming to remove residue, repairing damaged pavement (if necessary per Section 6.1 herein), as required by the Contract Documents.

3.3 Bid Item 3 – Stripe 4-Inch White Lane Line Pattern (dashed) with Raised Pavement Markers per Cal MUTCD Fig. 3A-102 (CA) Detail 9

Traffic striping under this bid item shall be measured by the linear foot along the line of the traffic stripes, without deductions for gaps between traffic stripes, as called for and shown on the Project Drawings (Attachment No.2). Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD, Fig. 3A-102 (CA) Detail 9.

The contract unit price per linear foot for traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic stripes/markers, supply and installation of thermoplastic stripes and glass beads, supply and installation of raised pavement markers to completely install the lane line pattern as required by these Special Provisions and as shown on the Project Drawings (Attachment No. 2).

3.4 Bid Item 4 – Supply and Install Raised Pavement Markers in a Lane Line Pattern (dashed) per Cal MUTCD Fig. 3A-102 (CA) Detail 10

Raised pavement marker stripes under this bid item shall be measured by the linear foot along the line of the marker stripes, without deductions for gaps between pavement markers, as called for and shown on the Project Drawings (Attachment No.2). Marker stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-102 (CA), Detail 10.

The contract unit price per linear foot for pavement markers of the type and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic markers, supply and installation of raised pavement markers to completely install the lane line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.5 Bid Item 5 – Stripe 4-inch White Edge Line Pattern (solid) per Cal MUTCD Fig. 3A-106 (CA) Detail 27B

Thermoplastic traffic stripes under this bid item shall be measured by the linear foot along the line of the traffic stripes as called for and shown on the Project Drawings (Attachment No.2). Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-106 (CA) Detail 27B.

The contract unit price per linear foot for thermoplastic traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic striping, supply and installation of thermoplastic stripes and glass beads to completely install the edge line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.6 Bid Item 6 – Stripe Double Yellow, Two Direction No Passing Pattern with Raised Pavement Markers per Cal MUTCD Fig. 3A-104 (CA) Detail 22

Traffic striping under this bid item shall be measured by the linear foot along the line of the traffic stripes as called for and shown on the Project Drawings (Attachment No.2). Double line traffic stripes consisting of two 100-mm wide yellow stripes shall be measured as **ONE** stripe and shall be paid for under the corresponding bid item. Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-104 (CA) Detail 22.

The contract unit price per linear foot for traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic stripes/markers, supply and installation of thermoplastic stripes and glass beads, supply and installation of raised pavement markers to completely install the line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.7 Bid Item 7 – Supply and Install Raised Pavement Markers in Two Direction, No Passing Pattern per Cal MUTCD Fig. 3A-104 (CA) Detail 23

Raised pavement marker stripes under this bid item shall be measured by the linear foot along the line of the marker stripes, without deductions for gaps between pavement markers, as called for and shown on the Project Drawings (Attachment No.2). Double line marker stripes consisting of two reflectorized/non-reflectorized raised pavement markers side by side shall be measured as **ONE** stripe and shall be paid for under the corresponding bid item. Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-104 (CA), Detail 23.

The contract unit price per linear foot for pavement markers of the type and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of pavement markers, supply and installation of raised pavement markers to completely install the line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.8 Bid Item 8 – Supply and Install Raised Pavement Markers in One Direction No Passing Pattern per Cal MUTCD Fig. 3A-103 (CA) Detail 17

Raised pavement marker stripes under this bid item shall be measured by the linear foot along the line of the marker stripes, without deductions for gaps between pavement markers, as called for and shown on the Project Drawings (Attachment No.2). Double line marker stripes consisting of two reflectorized/non-reflectorized raised pavement markers side by side shall be measured as **ONE** stripe and shall be paid for under the corresponding bid item. Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-103 (CA), Detail 17.

The contract unit price per linear foot for pavement markers of the type and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of pavement markers, supply and installation of raised pavement markers to completely install the line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.9 Bid Item 9 – Stripe 8-Inch White Channelizing Line per Cal MUTCD Fig. 3A-112 (CA) Detail 38A Along the Perimeter of Painted Medians

Thermoplastic traffic stripes under this bid item shall be measured by the linear foot along the line of the traffic stripes as called for and shown on the Project Drawings (Attachment No.2). Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-112(CA) Detail 38A.

The contract unit price per linear foot for thermoplastic traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic stripes, supply and installation of thermoplastic stripes and glass beads completely install the channelizing line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.10 Bid Item 10 – Stripe 8-Inch Channelizing Line with Raised Pavement Markers per Cal MUTCD Fig. 3A-112 (CA) Detail 38B

Traffic striping under this bid item shall be measured by the linear foot along the line of the traffic stripes as called for and shown on the Project Drawings (Attachment No.2). Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-112(CA) Detail 38B.

The contract unit price per linear foot for traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic stripes/markers, supply and installation of thermoplastic stripes and glass beads, supply and installation of raised pavement markers to completely install the channelizing line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.11 Bid Item 11 – Supply and Install Raised Pavement Markers in a Channelizing Line Pattern per Cal MUTCD Fig. 3A-112(CA) Detail 38C

Raised pavement marker stripes under this bid item shall be measured by the linear foot along the line of the marker stripes, without deductions for gaps between pavement markers, as called for and shown on the Project Drawings (Attachment No.2). Double line marker stripes consisting of two reflectorized/non-reflectorized raised pavement markers side by side shall be measured as **ONE** stripe and be paid under the corresponding bid item. Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3A-112(CA) Detail 38C.

The contract unit price per linear foot for pavement markers of the type and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of pavement markers, supply and installation of raised pavement markers to completely install the channelizing line pattern as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.12 Bid Item 12 – Stripe 12-Inch White Limit Line per Cal MUTCD Fig. 3B-103 (CA) Detail 7

Thermoplastic traffic stripes under this bid item shall be measured by the linear foot along the line of the traffic stripes as called for and shown on the Project Drawings (Attachment No.2). Stripes to be paid under this bid item shall conform to the requirements of the Cal MUTCD Fig. 3B-103 (CA) Detail 7.

The contract unit price per linear foot for thermoplastic traffic stripes of the widths and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of traffic stripes, supply and installation of thermoplastic stripes and glass beads to completely install the limit line as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.13 Bid Item 13 – Stripe Pavement Marking (including Words, Arrows, and Speed Hump markings) per Cal MUTCD Section 3B-19, and Fig. 3B-20 (CA), Fig. 3B-21 (CA) and Fig. 3B-29 (CA) Option C

Thermoplastic pavement markings under this bid item shall be paid at the contract “each” unit price as called for and shown on the Project Drawings (Attachment No.2). Pavement markings to be paid under this bid item shall include, but not be limited to, “STOP”, “AHEAD”, Type I (straight) and Type IV (left and right) arrows conforming to the requirements of the Cal MUTCD Section 3B-19, and Fig. 3B-20 (CA) and Fig. 3B-21 (CA), and Speed Bump markings per Cal MUTCD Fig. 3B-29 (CA) Option C.

The contract unit price per each for thermoplastic pavement markings of the patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: layout markings for the installation of pavement markings, supply and installation of thermoplastic markings and glass beads to completely install the pavement markings as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.14 Bid Item 14 – Supply and Install Surface Mount Channelizers per Cal MUTCD Fig. 3F-101 (CA)

Channelizers shall be paid at the contract “each” unit price as called for and shown on the Project Drawings (Attachment No.2). Channelizers to be paid under this bid item shall conform to the requirements of these Specifications, and with Section 3F “Barricades and Channelizing Devices” of the Cal MUTCD.

The contract unit price per each for the channelizers shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout markings for the installation of channelizers, supply of the channelizer bases and posts, supply and installation of either hot melt bituminous adhesive or rapid set type epoxy adhesive for anchoring channelizer bases to completely install the channelizers in accordance with the manufacturers recommendations and as required by these Special Provisions and shown on the Project Drawings (Attachment No. 2).

3.15 Bid Item 15 – Supply and Install Additional Raised Pavement Markers

Additional raised pavement markers that are called for on the plan sheets at non-standard locations or spacing shall be measured by counting each marker that is not already included as in the payment of a Cal MUTCD line pattern in the various other bid items. Markers to be paid under this bid item shall be placed according to the direction given on the Project Drawings (Attachment No.2) for locations and spacing. Markers placed in excess of these directions shall not be compensated.

The contract unit price per each for pavement markers of the type and patterns designated shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved including, but not limited to: establishing alignment and layout work for pavement markers, supply and installation of raised pavement markers to completely install the pavement markers as required and shown on the Project Drawings..