

2. AMENDMENT/MODIFICATION NO. 0008	3. EFFECTIVE DATE 26 SEP 03	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO 1325 J STREET SACRAMENTO, CALIFORNIA		7. ADMINISTERED BY <i>(If other than Item 6)</i> SEE ITEM 7	

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(√)	9A. AMENDMENT OF SOLICITATION NO. DACW07-03-B-0006
	X	9B. DATED <i>(SEE ITEM 11)</i> 1 AUG 2003
		10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
		10B. DATED <i>(SEE ITEM 13)</i> N/A
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*
 UPGRADE OF MAINLINE RAILROAD SYSTEM, PETALUMA MAINLINE RAILROAD APPROACH, PETALUMA RIVER
 SONOMA COUNTY, CALIFORNIA

1 ENCL 1) SF 1442 (2 PAGES), PRICING SCHEDULE (2 PAGES), AND 01270 (19 PAGES).

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>
15B. CONTRACTOR/OFFEROR _____ <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY _____ <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED

SOLICITATION, OFFER, AND AWARD

(Construction, Alteration, or Repair)

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)	15. TELEPHONE NO. (Include area code)
	16. REMITTANCE ADDRESS (Include only if different than Item 14)
CODE	FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS	SEE SCHEDULE OF PRICES
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18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NO.	DATE								

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20B. SIGNATURE	20C. OFFER DATE
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AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
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24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) <input type="checkbox"/> 41 U.S.C. 253(c)
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26. ADMINISTERED BY	CODE	27. PAYMENT WILL BE MADE BY:	CODE
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CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print)		
30B. SIGNATURE	30C. DATE	TEL:	EMAIL:
		31B. UNITED STATES OF AMERICA BY	31C. AWARD DATE

0041	24" HORIZONTAL BORING, CASING, 0.375" WALL THICKNESS	152*	LF	\$ _____	\$ _____
0042	VALLEY GUTTER	330*	LF	\$ _____	\$ _____
0043	PREPARE AND ROLL SUBBASE (ROAD)	4,300*	SY	\$ _____	\$ _____
0044	FILL, BORROW (ROAD)	4,505*	CY	\$ _____	\$ _____
0045	BASE COURSE, CRUSHED 3/4" STONE (ROAD)	4,260*	SY	\$ _____	\$ _____
0046	AC PAVING	1,380*	TON	\$ _____	\$ _____
0047	4" THERMOPLASTIC STRIPING	3,000*	LF	\$ _____	\$ _____
0048	8" THERMOPLASTIC STRIPING	603*	LF	\$ _____	\$ _____
0049	RAISED MARKERS - AMBER/AMBER	36	EA	\$ _____	\$ _____
0050	RAISED MARKERS - ONEWAY, REFLECTIVE	17	EA	\$ _____	\$ _____
0051	RAISED MARKERS - RED AND CLEAR	1	EA	\$ _____	\$ _____
0052	PAINT CURBING	937*	LF	\$ _____	\$ _____
0053	72" LETTERING	16	EA	\$ _____	\$ _____
0054	24" X 24" REFLECTORIZED STOP SIGNS W/POST	2	EA	\$ _____	\$ _____
0055	12" X 18" REFLECTORIZED GUIDE AND DIRECTIONAL SIGNS W/POST	4	EA	\$ _____	\$ _____
0056	24" X 24" REFLECTORIZED WARNING SIGNS W/POST	1	EA	\$ _____	\$ _____
0057	6' HIGH, 4' WIDE GALVANIZED SWING GATE	1	EA	\$ _____	\$ _____
0058	6' HIGH, DBL. 22' WIDE GALVANIZED SWING GATE	1	EA	\$ _____	\$ _____
0059	6' HIGH CHAIN LINK FENCE	230*	LF	\$ _____	\$ _____
0060	GRAVITY WALL - CAST IN PLACE	375*	LF	\$ _____	\$ _____

0061	8' CAST-IN-PLACE RETAINING WALL	327*	LF	\$_____	\$_____
0062	FILL, BORROW (RAILROAD)	11,646*	CY	\$_____	\$_____
0063	BASE COURSE - CRUSHED 3/4" STONE (RAILROAD)	3,240*	SY	\$_____	\$_____
0064	CONCRETE RAILROAD GRADE CROSSING	290*	LF	\$_____	\$_____
0065	WOOD RAILROAD GRADE CROSSING	30*	LF	\$_____	\$_____
0066	RAILROAD BALLAST, CRUSHED STONE	6,410*	TON	\$_____	\$_____
0067	RAILROAD TIES, WOOD PRESSURE TREATED	2,694*	EA	\$_____	\$_____
0068	132 LB PRIME RAIL	4,490*	TF	\$_____	\$_____
0069	DRIVEWAY CUT	240*	SF	\$_____	\$_____
0070	CURB RAMP	2	EA	\$_____	\$_____
0071	CONCRETE BRIDGE MODIFICATIONS	2,200*	SF	\$_____	\$_____
0072	CONCRETE BRIDGE APPROACH	550*	SF	\$_____	\$_____
0073	CONCRETE CURB AND GUTTER (INCL. BASE ROCK)	2,090*	LF	\$_____	\$_____
0074	CONCRETE SIDEWALK (INCL. BASE ROCK)	5,500*	LF	\$_____	\$_____
0075	CONCRETE MEDIAN CURBING (INCL. BASE ROCK)	200*	LF	\$_____	\$_____
0076	GUARD RAIL (KRAIL)	60*	LF	\$_____	\$_____
0077	RAILROAD TURNOUT, #10 132LB TURNOUT	3	EA	\$_____	\$_____
0078	RAILROAD TURNOUT, #10 132LB TURNOUT RELAY	3	EA	\$_____	\$_____
0079	8" SDR 26, PVC PIPE	46	LF	\$_____	\$_____
0080	24" CMP PIPE	24	LF	\$_____	\$_____

SECTION 01270

MEASUREMENT AND PAYMENT

1.01 SCOPE

- A. 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 as 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. No separate payment will be made for any item that is not specifically set forth in the Bid Sheet(s), and all costs therefor shall be included in the prices named in the Bid Sheet(s) for the various appurtenant items of work.

2.00 BID SCHEDULE

- A. All pay line items will be paid for at the unit prices named in the Bid Sheet(s) for the respective items of work. The quantities of work or material stated as unit price items on the Bid Sheet(s) are supplied only to give an indication of the general scope of the Work; the District does not expressly nor by implication agree that the actual amount of work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit price of any major item of work by an amount up to and including 25 percent of any major bid item, without a change in the unit price, and shall have the right to delete any bid item in its entirety, or to add additional bid items up to and including an aggregate total amount not to exceed 25 percent of the contract price.
- B. Quantity variations in excess of the allowable quantity changes specified herein shall be subject to the provisions of Article 12 of the General Conditions.

2.01 MOBILIZATION (Bid Item No. 0001)

- A. Measurement for payment for mobilization will be based upon completion of such work as a lump sum, non-proratable pay item, and shall require completion of all of the items listed in 2.02 B during the first 25 calendar days following Notice to Proceed.
- B. Payment for Mobilization will be made at the lump sum allowance named in the Bid Sheet(s) under Item No. 1, which price shall constitute full compensation for all such work. Payment for mobilization will be made in the form of a single, lump-sum, non-proratable payment, no part of which will be approved for payment under the Contract until all mobilization items listed herein have been completed as specified. The scope of the work included under Pay Item No. 1 shall include the obtaining of all bonds, insurance, and permits; moving onto the site of all plant and equipment; and the furnishing and erecting of plants, temporary buildings, and other construction facilities;

all as required for the proper performance and completion of the Work. Mobilization shall include but not be limited to the following principal items:

1. Moving on to the site of all Contractor's plant and equipment required for first month's operations.
 2. Installing temporary construction power, wiring, and lighting facilities per Section 01510 "Temporary Utilities".
 3. Establishing fire protection system per Section 01510 "Temporary Utilities".
 4. Developing and installing construction water supply per Section 01510 "Temporary Utilities".
 5. Providing on-site sanitary facilities and potable water facilities per Section 01510 "Temporary Utilities".
 6. Furnishing, installing, and maintaining all storage buildings or sheds required for temporary storage of products, equipment, or materials that have not yet been installed in the Work. All such storage shall meet manufacturer's specified storage requirements, and the specific provisions of the specifications, including temperature and humidity control, if recommended by the manufacturer, and for all security per Section 01660 "Materials and Equipment".
 7. Arranging for and erection of Contractor's work and storage yard per Section 01550 "Site Access and Storage".
 8. Obtaining and paying for all required bonds, insurance, and permits per Article 6.6 of the Supplementary General Conditions.
 9. Posting all OSHA required notices and establishment of safety programs.
 10. Submittal of required Construction Schedule as specified in Section 01330 "Contractor Submittals".
 11. Furnishing, installing, and maintaining all off-site storage areas as required, including all requirements of the Zoning and/or Use Permit.
- C. In addition to the requirements specified above, all submittals shall conform to the applicable requirements of Section 01330 "Contractor Submittals".
- D. No payment for any of the listed mobilization work items will be made until all of the listed items have been completed, as specified, to the satisfaction of the Engineer.
- E. The aforementioned amount will be retained by the District as the agreed, estimated value of completing all of the mobilization items listed. Any such retention of money for failure to complete all such mobilization items as a lump-sum item shall be in addition to the

retention of any payments due to the Contractor as specified in Article 14 of the General Conditions.

2.02 TRAFFIC CONTROL (Bid Item No. 0002)

- A. Measurement of payment for traffic control and construction area signs will be based upon completion of all the necessary measures to temporarily control, detour, or stage traffic during construction and all other related work per the Contract Documents.
- B. Payment for traffic control and construction area signs will be made at the lump sum (LS) price named in the Bid Sheet under Item No. 0002, which price shall constitute full compensation for the completion of all such work as required per the Contract Documents.

2.03 EROSION CONTROL (Bid Item No. 0003)

- A. Measurement of payment for installing erosion control measures will be based upon installation per the Contract Documents.
- B. Payment for installing erosion control measures will be made at the lump sum (LS) prices named in the Bid Sheet under Item No. 0003, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.04 SURVEY MONUMENTS (Bid Item No. 0004)

- A. Measurement of payment for installing survey monuments will be based upon installation per the Contract Documents.
- B. Payment for installing survey monuments will be made at the lump sum (LS) price named in the Bid Sheet under Item No. 0004, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.05 CLEAR AND GRUB/TREE REMOVAL (Bid Item No. 0005)

- A. Measurement of payment for clear and grub/tree removal will be based upon the construction area and tree removal per the Contract Documents.
- B. Payment for clear and grub/tree removal will be made at the lump sum (LS) price named in the Bid Sheet under Item No. 0005, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.06 SIGNALIZATION AND APPURTENANCES (Bid Item No. 0006)

- A. Measurement of payment for installing *new railroad* signalization and appurtenances, *and salvaging existing railroad signalization and appurtenances* will be based upon installing per the Contract Documents.

- B. Payment for *salvaging existing railroad signalization and appurtenances* and installing *new* signalization will be made at the lump sum (LS) price named in the Bid Sheet under Item No. 0006, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.07 RELOCATE GATE (Bid Item No. 0007)

- A. Measurement of payment for relocating *chain link fencing* gates will be based upon installing per the Contract Documents.
- B. Payment for relocating gates will be made at the unit bid price per each (EA) named in the Bid Sheet under Item No. 0007, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.08 REMOVE AND RELOCATE –FIRE HYDRANT (Bid Item No. 0008)

- A. Measurement of payment for removal and relocation of the fire hydrant will be based per the Contract Documents.
- B. Payment for removal and relocation of the fire hydrants will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0008, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.09 REMOVE CHAIN LINK FENCE (Bid Item No. 0009)

- A. Measurement of payment for removal of the existing chain link fence will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of the existing chain link fence will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0009, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.10 REMOVE BOLLARDS (Bid Item No. 0010)

- A. Measurement of payment for removal of the existing bollards will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of the existing bollards will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0010, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.11 DEMOLITION (E) VALLEY GUTTER (Bid Item No. 0011)

- A. Measurement of payment for demolition of existing valley gutter will be based upon complete removal/demolition per the Contract Documents.

- B. Payment for removal of the existing chain link fence will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0011, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.12 DEMOLITION (E) SIDEWALK (Bid Item No. 0012)

- A. Measurement of payment for demolition of existing sidewalk will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for demolition of the sidewalk will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0012, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.13 DEMOLITION (E) CURB AND GUTTER (Bid Item No. 0013)

- A. Measurement of payment for demolition of existing curb and gutter will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for demolition of the curb and gutter will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0013, which price shall constitute full compensation of all such work as required per the Contract Documents

2.14 REMOVE (E) 6-INCH TO 18-INCH CONCRETE PIPE (Bid Item No. 0014)

- A. Measurement of payment for removal of existing 6-inch to 18-inch concrete pipe will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of the existing 6-inch to 18-inch concrete pipe will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0014, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.15 REMOVE (E) STORM DRAIN STRUCTURES (Bid Item No. 0015)

- A. Measurement of payment for removal of existing storm drain structures will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of the existing storm drain structures will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0015, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.16 SAW CUTTING (Bid Item No. 0016)

- A. Measurement of payment for saw cutting will be based upon complete removal/demolition per the Contract Documents.

- B. Payment for removal of the saw cutting will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0016, which price shall constitute full compensation of all such work as required per the Contract Documents

2.17 GRINDING AND CLEANING AC PAVEMENT (Bid Item No. 0017)

- A. Measurement of payment for grinding and cleaning AC pavement will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for grinding and cleaning AC pavement will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0017, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.18 REMOVE PAVEMENT (Bid Item No. 0018)

- A. Measurement of payment for removal of pavement will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of pavement will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0018, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.19 REMOVE SIGNS AND SUPPORT (Bid Item No. 0019)

- A. Measurement of payment for removal of signs and supporting structures will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of signs and supporting structures will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0019, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.20 REMOVE BALLAST (Bid Item No. 0020)

- A. Measurement of payment for removal of ballasts will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of ballasts will be made at the unit bid prices per cubic yard (CY) named in the Bid Sheet under Item No. 0020, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.21 REMOVE (E) RAILROAD TIES AND TRACK (Bid Item No. 0021)

- A. Measurement of payment for removal of existing railroad ties and track will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of existing railroad ties and track will be made at the unit bid prices per track foot (TF) named in the Bid Sheet under Item No. 0021, which price

shall constitute full compensation of all such work as required per the Contract Documents.

2.22 SALVAGE NO.9 TURNOUT-(Bid Item No. 0022)

- A. Measurement of payment for removal and relocation of the #9 turnout will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal and relocation of the #9 turnout will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0022, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.23 REMOVE (E) BRIDGE (Bid Item No. 0023)

- A. Measurement of payment for removal of existing bridge will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for removal of existing bridge will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0023, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.24 TANK DEMO, FILL W/CLSM (Bid Item No. 0024)

- A. Measurement of payment for tank demo will be based per the Contract Documents.
- B. Payment for removal of existing bridge will be made at the unit bid prices per cubic yard (CY) named in the Bid Sheet under Item No. 0024, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.25 12-INCH RCP, CLASS 3 (Bid Item No. 0025)

- A. Measurement of payment for installing the 12-inch RCP, class 3 will be based upon per Construction Documents.
- B. Payment for installing the 12-inch RCP, class 3 will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0025, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.26 18-INCH RCP, CLASS 3 (Bid Item No. 0026)

- A. Measurement of payment for installing the 18-inch RCP, class 3 will be based upon per Construction Documents.
- B. Payment for installing the 18-inch RCP, class 3 will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0026, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.27 PRECAST SDMH 36" (Bid Item No. 0027)

- A. Measurement of payment for installing the pre-cast SDMH 36" will be based upon per Construction Documents.
- B. Payment for installing the pre-cast SDMH 36" will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0027, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.28 CATCH BASIN, CURB INLET TYPE 33"x 24" (Bid Item No. 0028)

- A. Measurement of payment for installing the catch basin 33" x 24" will be based upon per Construction Documents.
- B. Payment for installing the catch basin 33" x 24" will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0027, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.29 CATCH BASIN, SQUARE 24"x 24" (Bid Item No. 0029)

- A. Measurement of payment for installing the catch basin 24" x 24" will be based upon per Construction Documents.
- B. Payment for installing the catch basin 24" x 24" will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0029, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.30 6-INCH PERFORATED STEEL DRAIN PIPE (Bid Item No. 0030)

- A. Measurement of payment for installing the 6-inch perforated steel drainpipe will be based upon per Construction Documents.
- B. Payment for installing the 6-inch perforated steel drain pipe will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0030, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.31 3-INCH SDR 35, PVC (Bid Item No. 0031)

- A. Measurement of payment for installing the 3-inch SDR 35, PVC will be based upon per Construction Documents.
- B. Payment for installing the 3-inch SDR 35, PVC will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0031, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.32 2-INCH SDR 35, PVC (Bid Item No. 0032)

- A. Measurement of payment for installing the 2-inch SDR 35, PVC will be based upon per Construction Documents.
- B. Payment for installing the 2-inch SDR 35, PVC will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0032, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.33 TRENCH EXCAVATION, BEDDING BACKFILL & COMPACTION (Bid Item No. 0033)

- A. Measurement for payment for the trench excavation, bedding backfill and compaction will be based upon per Construction Documents.
- B. Payment for the trench excavation, bedding backfill and compaction will be made at the unit bid prices per cubic yard (CY) named in the Bid Sheet under Item No. 0033, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.34 12-INCH PVC, CLASS 150 AWWA C900 (Bid Item No. 0034)

- A. Measurement of payment for installing the 12-inch PVC, class 150 AWWA C900 will be based upon per Construction Documents.
- B. Payment for installing the 12-inch PVC, class 150 AWWA C900 will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0034, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.35 12-INCH x 8-INCH TEE (Bid Item No. 0035)

- A. Measurement of payment for installing the 12-inch x 8-inch tee will be based upon per Construction Documents.
- B. Payment for installing the 12-inch x 8-inch tee will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0035, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.36 12-INCH GATE VALVE (Bid Item No. 0036)

- A. Measurement of payment for installing the 12-inch gate valve will be based upon per Construction Documents.
- B. Payment for installing the 12-inch gate valve will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0036, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.37 8-INCH GATE VALVE (Bid Item No. 0037)

- A. Measurement of payment for installing the 8-inch gate valve will be based upon per Construction Documents.
- B. Payment for installing the 8-inch gate valve will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0037, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.38 12-INCH x 8-INCH REDUCER (Bid Item No. 0038)

- A. Measurement of payment for installing the 12-inch x 8-inch reducer will be based upon per Construction Documents.
- B. Payment for installing the 12-inch x 8-inch reducer will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0038, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.39 DI ADAPTER, MJ x MJ, 12-INCH (Bid Item No. 0039)

- A. Measurement of payment for installing the DI adapter, mj x mj, 12-inch will be based upon per Construction Documents.
- B. Payment for installing the DI adapter, mj x mj, 12-inch will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0039, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.40 36-INCH HORIZONTAL BORING, CASING, 0.563-INCH WALL THICKNESS (Bid Item No. 0040)

- A. Measurement of payment for installing the 36-inch horizontal boring, casing, 0.563-inch wall thickness will be based upon per Construction Documents.
- B. Payment for installing the 36-inch horizontal boring, casing, 0.563-inch wall thickness will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0040, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.41 24-INCH HORIZONTAL BORING, CASING, 0.375-INCH WALL THICKNESS (Bid Item No. 0041)

- A. Measurement of payment for installing the 24-inch horizontal boring, casing, 0.375-inch wall thickness will be based upon per Construction Documents.
- B. Payment for installing the 24-inch horizontal boring, casing, 0.375-inch wall thickness will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item

No. 0040, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.42 VALLEY GUTTER (Bid Item No. 0042)

- A. Measurement of payment for installing the valley gutter will be based upon per Construction Documents.
- B. Payment for installing the valley gutter will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0042, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.43 PREPARE AND ROLL SUB-BASE (ROAD) (Bid Item No. 0043)

- A. Measurement of payment for preparing and rolling sub-base (road) will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for preparing and rolling sub-base (road) will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0043, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.44 FILL, BORROW (ROAD) (Bid Item No. 0044)

- A. Measurement for payment for the fill, borrow will be based upon per Construction Documents.
- B. Payment for the fill, borrow will be made at the unit bid prices per cubic yard (CY) named in the Bid Sheet under Item No. 0044, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.45 BASE COURSE, CRUSHED ¾-INCH CRUSHED STONE (ROAD) (Bid Item No. 0045)

- A. Measurement of payment for the base course, crushed ¾-inch crushed stone will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for the base course, crushed ¾-inch crushed stone will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0045, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.46 AC PAVING (Bid Item No. 0046)

- A. Measurement for payment for the AC paving will be based upon per Construction Documents.

- B. Payment for the AC paving will be made at the unit bid prices per ton (Ton) named in the Bid Sheet under Item No. 0046, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.47 4-INCH THERMOPLASTIC STRIPING (Bid Item No. 0047)

- A. Measurement of payment for installing the 4-inch thermoplastic striping will be based upon per Construction Documents.
- B. Payment for installing the 4-inch thermoplastic striping will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0047, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.48 8-INCH THERMOPLASTIC STRIPING (Bid Item No. 0048)

- A. Measurement of payment for installing the 8-inch thermoplastic striping will be based upon per Construction Documents.
- B. Payment for installing the 8-inch thermoplastic striping will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0048, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.49 RAISED MARKERS – AMBER/AMBER (Bid Item No. 0049)

- A. Measurement of payment for installing the raised markers – amber/amber will be based upon per Construction Documents.
- B. Payment for installing the raised markers – amber/amber will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0049, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.50 RAISED MARKERS – ONE WAY, REFLECTIVE (Bid Item No. 0050)

- A. Measurement of payment for installing the raised markers – one way, reflective will be based upon per Construction Documents.
- B. Payment for installing the raised markers – one way, reflective will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0050, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.51 RAISED MARKERS – RED AND CLEAR (Bid Item No. 0051)

- A. Measurement of payment for installing the raised markers – red and clear will be based upon per Construction Documents.

- B. Payment for installing the raised markers – red and clear will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0051, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.52 PAINT CURBING (Bid Item No. 0052)

- A. Measurement of payment for installing the painting curbing will be based upon per Construction Documents.
- B. Payment for installing the painting curbing will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0052, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.53 72-INCH LETTERING (Bid Item No. 0053)

- A. Measurement of payment for installing the 72-inch lettering will be based upon per Construction Documents.
- B. Payment for installing the 72-inch lettering will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0053, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.54 24-INCH x 24-INCH REFLECTORIZED STOP SIGNS W/POST (Bid Item No. 0054)

- A. Measurement of payment for installing the 24-inch x 24-inch reflectorized stop signs w/post will be based upon per Construction Documents.
- B. Payment for installing the 24-inch x 24-inch reflectorized stop signs w/post will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0054, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.55 12-INCH x 18-INCH REFLECTORIZED GUIDE AND DIRECTIONAL SIGNS W/POST (Bid Item No. 0055)

- A. Measurement of payment for installing the 12-inch x 18-inch reflectorized guide and directional signs w/post will be based upon per Construction Documents.
- B. Payment for installing the 12-inch x 18-inch reflectorized guide and directional signs w/post will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0055, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.56 24-INCH x 24-INCH REFLECTORIZED WARING SIGNS W/POST (Bid Item No. 0056)

- A. Measurement of payment for installing the 24-inch x 24-inch reflectORIZED warning signs w/post will be based upon per Construction Documents.
- B. Payment for installing the 24-inch x 24-inch reflectORIZED warning signs w/post will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0056, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.57 6-FOOT HIGH, 4-FOOT WIDE, GALVINIZED SWING GATE (Bid Item No. 0057)

- A. Measurement of payment for installing 6-foot high, 4-foot wide, galvanized swing gate will be based upon per Construction Documents.
- B. Payment for installing the 6-foot high, 4-foot wide, galvanized swing gate will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0057, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.58 6-FOOT HIGH, DOUBLE 22-FOOT WIDE, GALVINIZED SWING GATE (Bid Item No. 0058)

- A. Measurement of payment for installing 6-foot high, double 22-foot wide, galvanized swing gate will be based upon per Construction Documents.
- B. Payment for installing the 6-foot high, double 22-foot wide, galvanized swing gate will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0058, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.59 6-FOOT HIGH CHAIN LINK FENCE (Bid Item No. 0059)

- A. Measurement of payment for installing 6-foot high chain link fence will be based upon per Construction Documents.
- B. Payment for installing the 6-foot high chain link fence will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0059, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.60 GRAVITY WALL - CAST IN PLACE (Bid Item No. 0060)

- A. Measurement of payment for installing gravity wall – cast in place, will be based upon per Construction Documents.

- B. Payment for installing the gravity wall – cast in place, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0060, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.61 8-FOOT CAST IN PLACE RETAINING WALL (Bid Item No. 0061)

- A. Measurement of payment for installing 8-foot cast in place retaining wall, will be based upon per Construction Documents.
- B. Payment for installing the 8-foot cast in place retaining wall, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0061, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.62 FILL, BORROW (RAILROAD) (Bid Item No. 0062)

- A. Measurement for payment for the fill, borrow will be based upon per Construction Documents.
- B. Payment for the fill, borrow will be made at the unit bid prices per cubic yard (CY) named in the Bid Sheet under Item No. 0062, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.63 BASE COURSE, CRUSHED ¾-INCH CRUSHED STONE (RAILROAD) (Bid Item No. 0063)

- A. Measurement of payment for the base course, crushed ¾-inch crushed stone will be based upon complete removal/demolition per the Contract Documents.
- B. Payment for the base course, crushed ¾-inch crushed stone will be made at the unit bid prices per square yard (SY) named in the Bid Sheet under Item No. 0063, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.64 CONCRETE RR GRADE CROSSING (Bid Item No. 0064)

- A. Measurement of payment for installing concrete RR grade crossing, will be based upon per Construction Documents.
- B. Payment for installing the concrete RR grade crossing, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0064, which price shall constitute full compensation of all such work as required per the Contract Documents

2.65 WOOD RR GRADE CROSSING (Bid Item No. 0065)

- A. Measurement of payment for installing wood RR grade crossing, will be based upon per Construction Documents.

- B. Payment for installing the wood RR grade crossing, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0065, which price shall constitute full compensation of all such work as required per the Contract Documents

2.66 RR BALLAST, CRUSHED STONE (Bid Item No. 0066)

- A. Measurement of payment for installing RR ballast, crushed stone, will be based upon per Construction Documents.
- B. Payment for installing the RR ballast, crushed stone, will be made at the unit bid prices per ton (Ton) named in the Bid Sheet under Item No. 0066, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.67 RR TIES, WOOD, PREESURE TREATED (Bid Item No. 0067)

- A. Measurement of payment for installing RR ties, wood, pressure treated will be based upon per Construction Documents.
- B. Payment for installing the RR ties, wood, pressure treated, will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0067, which price shall constitute full compensation of all such work as required per the Contract Documents

2.68 132 LB PRIME RAIL (Bid Item No. 0068)

- A. Measurement of payment for installing 132 lb prime rail will be based upon per Construction Documents.
- B. Payment for installing the 132 lb prime rail, will be made at the unit bid prices per track foot (TF) named in the Bid Sheet under Item No. 0068, which price shall constitute full compensation of all such work as required per the Contract Documents

2.69 DRIVEWAY CUT (Bid Item No. 0069)

- A. Measurement of payment for installing driveway cut will be based upon per Construction Documents.
- B. Payment for installing the driveway cut, will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0069, which price shall constitute full compensation of all such work as required per the Contract Documents

2.70 CURB RAMP (Bid Item No. 0070)

- A. Measurement of payment for installing curb ramps will be based upon per Construction Documents.

- B. Payment for installing the curb ramps, will be made at the unit bid prices per each (EA) named in the Bid Sheet under Item No. 0070, which price shall constitute full compensation of all such work as required per the Contract Documents

2.71 CONCRETE BRIDGE MODIFICATIONS (Bid Item No. 0071)

- A. Measurement of payment for concrete bridge modifications will be based upon per Construction Documents.
- B. Payment for installing the concrete bridge modifications, will be made at the unit bid prices per square foot (SF) named in the Bid Sheet under Item No. 0071, which price shall constitute full compensation of all such work as required per the Contract Documents

2.72 CONCRETE BRIDGE APPROACH (Bid Item No. 0072)

- A. Measurement of payment for concrete bridge approach will be based upon per Construction Documents.
- B. Payment for installing the concrete bridge approach, will be made at the unit bid prices per square foot (SF) named in the Bid Sheet under Item No. 0072, which price shall constitute full compensation of all such work as required per the Contract Documents

2.73 CONCRETE CURB AND GUTTER (INCLUDING BASE ROCK) (Bid Item No. 0073)

- A. Measurement of payment for concrete curb and gutter will be based upon per Construction Documents.
- B. Payment for installing the concrete curb and gutter, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0073, which price shall constitute full compensation of all such work as required per the Contract Documents

2.74 CONCRETE SIDEWALK (INCLUDING BASE ROCK) (Bid Item No. 0074)

- A. Measurement of payment for concrete sidewalk will be based upon per Construction Documents.
- B. Payment for installing the concrete sidewalk, will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0074, which price shall constitute full compensation of all such work as required per the Contract Documents

2.75 CONCRETE *MEDIAN* CURBING (Bid Item No. 0075)

- A. Measurement of payment for concrete curbing will be based upon installation per Construction Documents.

- B. Payment for installing the concrete curbing will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0075, which shall constitute full compensation of all such work as required per the Contract Documents.

2.76 GUARDRAIL (“K-RAIL”) (Bid Item No. 0076)

- A. Measurement of payment for Guard Rail ("K-rail")will be based upon installation per Construction Documents.
- B.** Payment for installing the guard rail will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0076, which shall constitute full compensation of all such work as required per the Contract Documents.

2.77 RAILROAD TURNOUT NO. 10, 136# (Bid Item No. 0077)

- A. Measurement of payment for No. 10 turnout will be based upon per Construction Documents.
- B.** Payment for installing the No. 10 turnout will be made at the unit bid price per each (EA) named in the Bid Sheet under Item No. 0077, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.78 RAILROAD TURNOUT RELAY FOR NO. 10 TURNOUT (Bid Item No. 0078)

- A. Measurement of payment for a turnout relay for each No. 10 turnout will be based upon installation per Construction Documents.
- B. Payment for installing the relay for each No. 10 turnout will be made at the unit bid price per each (EA) named in the Bid Sheet under Item No. 0078, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.79 8” PVC STORM DRAIN (Bid Item No. 0079)

- A. Measurement of payment for installing the 8-inch PVC, SDR 26 storm drain will be based upon per construction documents.
- B. Payment for installing the 8-inch PVC, SDR 26 will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0079, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.80 24” CMP STORM DRAIN (Bid Item No. 0080)

- A. Measurement of payment for installing the 24-inch CMP storm drain will be based upon per construction documents.

- B. Payment for installing the 24-inch CMP will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0080, which price shall constitute full compensation of all such work as required per the Contract Documents.

2.81 METAL BEAM GUARD RAIL (Bid Item No. 0081)

- A. Measurement of payment for Metal Beam Guard Rail (Caltrans Standard Detail A77) will be based upon per Construction Documents.
- B. Payment for installing the Metal Beam Guard Rail will be made at the unit bid prices per linear foot (LF) named in the Bid Sheet under Item No. 0081, which shall constitute full compensation of all such work as required per the Contract Documents.

BID ALTERNATE

2.90 TEMPORARY TRACK (SHOOFLY) (Bid Alt. Item No. 0001)

- A. Measurement of payment for Bid Alternate – Temporary Track will be based upon per Construction Documents.
- B. Payment for installing the Bid Alternate – Temporary Track will be made at the unit bid price per lump sum (LS) named in the Bid Sheet under Bid Alternate Item No. 0001, which price shall constitute full compensation of all such work as required per the Contract Documents.

END OF SECTION