Engineers Estimate \$1,600,000 January 24, 2013

Mozingo Construction, Inc. Oakdale

| ITEM | | סוס | | UNIT | TOTAL |
|----------------------------------|--|-----------------------|----------------------------|--|--|
| NO. | ITEM DESCRIPTION | BID QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$10,000.00 | \$10,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$2,500.00 | \$2,500.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$5,000.00 | \$5,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$10,000.00 | \$10,000.00 |
| | Pot hole to verify all necessary existing utilities and other to construct water and sewer | | | · · | |
| 5 | line | 1 | LS | \$15,000.00 | \$15,000.00 |
| 6 | Construction Signs | 1 | LS | \$5,000.00 | \$5,000.00 |
| 7 | Traffic Control | 1 | LS | \$84,650.00 | \$84,650.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.00 | \$5,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$6.00 | \$84,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$850.00 | \$2,550.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$250.00 | \$1,000.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LA | \$5,000.00 | \$5,000.00 |
| 12 | Disconnect existing overhead power line to billboard and provide underground | I | L3 | \$5,000.00 | φ <u>0</u> ,000.00 |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$13,000.00 | \$13,000.00 |
| 14 | | 150 | LF | \$20.00 | ¢2.000.00 |
| | Remove and reinstall existing fence | | | | \$3,000.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,800.00 | \$18,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$3,000.00 | \$6,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$1.50 | \$6,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$3,000.00 | \$6,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$4,000.00 | \$4,000.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$1,850.00 | \$1,850.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,000.00 | \$6,000.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$4,500.00 | \$54,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$9,500.00 | \$9,500.00 |
| 24 | Deleted Item | • | | , - , - , - , - , - , - , - , - , - , - | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,500.00 | \$21,000.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | | |
| 26 | X Pavement Markers | 1 | EA | \$2,500.00 | \$2,500.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$16,000.00 | \$16,000.00 |
| 21 | | I | EA | φ10,000.00 | φ10,000.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| 20 | Dressure test and disinfect water main | 1 | | ¢20,000,00 | ¢20,000,00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$20,000.00 | \$20,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$11,000.00 | \$11,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$12,000.00 | \$12,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$30.00 | \$7,500.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$47.00 | \$82,720.00 |
| 34 | Deleted Item PVC DR-18 ► Ductile Iron Pipe Class-200 | 44.000 | | #00.00 | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) PVC DR-18 | 11,680 | LF | \$96.00 | \$1,121,280.00 |
| 36 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$155.00 | \$139,500.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$60.00 | \$3,600.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$75.00 | \$4,500.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$850.00 | \$2,550.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$10.00 | \$49,800.00 |
| 41 | Pavement striping and markers | 1,000 | LS | \$10,000.00 | \$10,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$50,000.00 | \$50,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$25,000.00 | \$25,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 1 | LS | \$25,000.00 | \$25,000.00 |
| | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 265 | LF | \$375.00 | \$99,375.00 |
| 45 | annular space with sand. | | | | \$139,125.00 |
| 45 46 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 265 | LF | \$525.00 | <i>\</i> |
| | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 3 | EA | \$525.00 \$1,500.00 | \$4,500.00 |
| 46 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | | | | |
| 46 47 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 3 | EA | \$1,500.00 \$850.00 | \$4,500.00 \$2,550.00 |
| 46 47 48 49 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 3 3 1 | EA EA EA | \$1,500.00 \$850.00 \$3,000.00 | \$4,500.00 \$2,550.00 \$3,000.00 |
| 46 47 48 49 50 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 3 1 1 | EA EA EA LS | \$1,500.00 \$850.00 \$3,000.00 \$5,000.00 | \$4,500.00 \$2,550.00 \$3,000.00 \$5,000.00 |
| 46 47 48 49 50 51 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 3 3 1 1 1 | EA EA EA LS EA | \$1,500.00 \$850.00 \$3,000.00 \$5,000.00 \$500.00 | \$4,500.00 \$2,550.00 \$3,000.00 \$5,000.00 \$500.00 |
| 46 47 48 49 50 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 3 1 1 | EA EA EA LS | \$1,500.00 \$850.00 \$3,000.00 \$5,000.00 | \$4,500.00 \$2,550.00 \$3,000.00 \$5,000.00 |

TOTAL BASE BID: \$2,234,750.00

Engineers Estimate \$1,600,000 January 24, 2013

Mountain Cascade Inc. Livermore

| ITEM | ITEM DESCRIPTION | BID | UNIT | UNIT | TOTAL |
|----------------------------|--|------------------|----------------------|--|--|
| <u>NO.</u> 1 | Mobilization & Demobilization | QTY | LS | COST \$59,000.00 | COST \$59,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$1,000.00 | \$1,000.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$4,000.00 | \$4,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$10,000.00 | \$10,000.00 |
| | Pot hole to verify all necessary existing utilities and other to construct water and sewer | | | · | |
| 5 | line | 1 | LS | \$10,000.00 | \$10,000.00 |
| 6 | Construction Signs | 1 | LS | \$15,000.00 | \$15,000.00 |
| 7 | Traffic Control | 1 | LS | \$10,000.00 | \$10,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.00 | \$5,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$5.00 | \$70,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,000.00 | \$3,000.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,000.00 | \$4,000.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,100.00 | \$1,100.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$20,000.00 | \$20,000.00 |
| 4.4 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 450 | | ¢05.00 | ¢0.750.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$25.00 | \$3,750.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,000.00 | \$10,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$1,500.00 | \$3,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$6.00 | \$24,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$7,500.00 | \$15,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$7,500.00 \$2,000.00 | \$7,500.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | • | EA | \$2,000.00 | \$2,000.00 |
| 21 22 | Provide and Install 12" gate valve with valve box, lid and ring | 3 12 | EA EA | \$2,200.00 \$5,500.00 | \$6,600.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring Provide and Install 30" butterfly valve with valve box, lid and ring | 12 | EA EA | \$5,500.00 \$11,000.00 | \$66,000.00 \$11,000.00 |
| <u>23</u> 24 | Deleted Item | 1 | EA | \$11,000.00 | \$11,000.00 |
| 24 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$2,800.00 | \$16,800.00 |
| 25 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 0 | EA | φ2,000.00 | φ10,000.00 |
| 26 | X Pavement Markers | 1 | EA | \$4,200.00 | \$4,200.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$9,000.00 | \$9,000.00 |
| | | | | | |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$4,000.00 | \$12,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$10,000.00 | \$10,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$5,000.00 | \$5,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$8,000.00 | \$8,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$50.00 | \$12,500.00 |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$75.00 | \$132,000.00 |
| 34 | Deleted Item | | | | |
| 35 | PVC DR-18 ▶ Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$95.00 | \$1,109,600.00 |
| 36 | PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$200.00 | \$180,000.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$50.00 | \$3,000.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$125.00 | \$7,500.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$1,800.00 | \$5,400.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$5.00 | \$24,900.00 |
| 41 | Pavement striping and markers | 1 | LS | \$10,000.00 | \$10,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$25,000.00 | \$25,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$20,000.00 | \$20,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 1 | LS | \$20,000.00 | \$20,000.00 |
| 45 | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 265 | LF | \$425.00 | \$112,625.00 |
| | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 265 | LF | \$500.00 | \$132,500.00 |
| 46 | carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | | | | 1 |
| 46 47 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$1,800.00 | \$5,400.00 |
| 47 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | | | | |
| 47 48 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 3 3 1 | EA | \$500.00 | \$1,500.00 |
| 47 48 49 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 3 | EA EA | \$500.00 \$4,000.00 | \$1,500.00 \$4,000.00 |
| 47 48 49 50 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 1 | EA EA LS | \$500.00 \$4,000.00 \$4,500.00 | \$1,500.00 \$4,000.00 \$4,500.00 |
| 47 48 49 50 51 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 3 1 1 1 | EA EA | \$500.00 \$4,000.00 \$4,500.00 \$2,000.00 | \$1,500.00 \$4,000.00 \$4,500.00 \$2,000.00 |
| 47 48 49 50 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 1 1 | EA EA LS EA | \$500.00 \$4,000.00 \$4,500.00 | \$1,500.00 \$4,000.00 \$4,500.00 |

TOTAL BASE BID: \$2,245,925.00

Engineers Estimate \$1,600,000 January 24, 2013

Knife River Construction, Stockton

| ITEM NO. | | חום | | | TOTAL |
|--|--|--|--|--|---|
| | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$87,000.00 | \$87,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$1,200.00 | \$1,200.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$3,800.00 | \$3,800.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$15,000.00 | \$15,000.00 |
| ~ | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 4 | | ¢00,000,00 | |
| 5 | line | 1 | LS | \$20,000.00 | \$20,000.00 |
| 6 | Construction Signs | 1 | LS | \$8,000.00 | \$8,000.00 |
| 7 | Traffic Control | 1 | LS | \$60,000.00 | \$60,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$2.40 | \$12,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$5.50 | \$77,000.00 |
| | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,600.00 | \$4,800.00 |
| | Remove and discard existing utility pole | 4 | EA | \$275.00 | \$1,100.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,075.00 | \$1,075.00 |
| | Disconnect existing overhead power line to billboard and provide underground | - | | | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$18,500.00 | \$18,500.00 |
| | Remove and reinstall existing fence | 150 | LF | \$26.00 | \$3,900.00 |
| | Restore existing AC Driveway | 10 | EA | \$1,000.00 | \$10,000.00 |
| | Restore existing Concrete Driveway | 2 | | | |
| | | | EA | \$1,150.00 | \$2,300.00 |
| | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$1.30 | \$5,200.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$5,400.00 | \$10,800.00 |
| | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$1,500.00 | \$1,500.00 |
| | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$1,800.00 | \$1,800.00 |
| | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$1,900.00 | \$5,700.00 |
| | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$4,800.00 | \$57,600.00 |
| | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$10,100.00 | \$10,100.00 |
| | Deleted Item | | | | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,400.00 | \$20,400.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | · | |
| | X Pavement Markers | 1 | EA | \$4,300.00 | \$4,300.00 |
| | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$10,400.00 | \$10,400.00 |
| | | | | | · · · · · |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$3,900.00 | \$11,700.00 |
| 20 | Dressure test and disinfect water main | 1 | | ¢22.000.00 | ¢22.000.00 |
| | Pressure test and disinfect water main | 1 | LS | \$22,000.00 | \$22,000.00 |
| | Provide interim water line connection to 12" water main | 1 | LS | \$9,000.00 | \$9,000.00 |
| | Provide interim water line connection to 24" water main | 1 | LF | \$4,600.00 | \$4,600.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$39.00 | \$9,750.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| | Fusible PVC (D.I.P.S) Pipe DR-25 | | | | |
| 33 | 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$64.00 | \$112,640.00 |
| | fusion welded and trench back fill (Check appropriate box) | | | | |
| | | | | | |
| 34 | Deleted Item | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-200 | | | | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | \$90.30 | \$1,054,704.00 |
| | fill (Check appropriate box) | , | | +•••• | ¢ 1,00 1,10 100 |
| | | | | | |
| | | | | | |
| | | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-150 | | | ¢475.00 | \$457.500.00 |
| 36 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$175.00 | \$157,500.00 |
| 36 | ► Ductile Iron Pipe Class-150 | 900 | LF | \$175.00 | \$157,500.00 |
| 36 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | | | | |
| 36 37 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service | 60 | LF | \$36.00 | \$2,160.00 |
| 36 37 38 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service | 60 60 | LF | \$36.00 \$39.00 | \$2,160.00 \$2,340.00 |
| 36 37 38 39 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service | 60 | LF LF EA | \$36.00 | \$2,160.00 |
| 36 37 38 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service | 60 60 | LF | \$36.00 \$39.00 | \$2,160.00 \$2,340.00 |
| 36 37 38 39 40 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 60 60 3 | LF LF EA | \$36.00 \$39.00 \$1,850.00 | \$2,160.00 \$2,340.00 \$5,550.00 |
| 36 37 38 39 40 41 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 60 60 3 4,980 1 | LF LF EA SY LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 |
| 36 37 38 39 40 41 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers | 60 60 3 4,980 | LF LF EA SY | \$36.00 \$39.00 \$1,850.00 \$4.25 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 |
| 36 37 38 39 40 41 42 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 60 60 3 4,980 1 1 | LF LF EA SY LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 |
| 36 37 38 39 40 41 42 | ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 | LF LF EA SY LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 |
| 36 37 38 39 40 41 42 43 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 1 | LF LF EA SY LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 |
| 36 37 38 39 40 41 42 43 44 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 45 | ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 45 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 |
| 36 <u>37</u> <u>38</u> <u>39</u> 40 41 42 43 44 45 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 45 46 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 45 46 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 1½" water service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 |
| 36 <u>37</u> 38 <u>39</u> 40 41 42 43 44 45 46 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 60 60 3 4,980 1 1 1 1 265 265 | LF EA SY LS LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 1½" water service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | 60 60 3 4,980 1 1 1 1 265 265 | LF EA SY LS LS LS LS LS LS | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$30,000.00 \$30,000.00 \$30,000.00 \$88,775.00 \$124,550.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 \$4,400.00 \$430.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$30,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 \$13,200.00 \$1,290.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 \$4,400.00 \$4,400.00 \$430.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$21,165.00 \$18,500.00 \$30,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 \$124,550.00 \$13,200.00 \$1,290.00 \$3,300.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 1 1 | LF EA SY LS LS LS LS LS LS LF LF EA EA EA EA | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 \$4,400.00 \$4,400.00 \$4,300.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 \$13,200.00 \$1,290.00 \$3,300.00 \$4,300.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 60 60 3 4,980 1 1 1 1 1 265 265 265 3 3 1 1 1 1 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA EA EA | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 \$4,400.00 \$4,400.00 \$4,300.00 \$1,700.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 \$124,550.00 \$13,200.00 \$1,290.00 \$3,300.00 \$1,700.00 |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 1 1 | LF EA SY LS LS LS LS LS LS LF LF EA EA EA EA | \$36.00 \$39.00 \$1,850.00 \$4.25 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$335.00 \$470.00 \$4,400.00 \$4,400.00 \$4,300.00 | \$2,160.00 \$2,340.00 \$5,550.00 \$18,500.00 \$58,000.00 \$30,000.00 \$30,000.00 \$30,000.00 \$124,550.00 \$13,200.00 \$1,290.00 \$3,300.00 \$4,300.00 |

TOTAL BASE BID: \$2,248,733.00

Engineers Estimate \$1,600,000 January 24, 2013

Rolfe Construction, Atwater

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
|---|---|--|--|--|--|
| 1 | Mobilization & Demobilization | 1 | LS | \$20,000.00 | \$20,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$6,000.00 | \$6,000.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$10,000.00 | \$10,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$8,000.00 | \$8,000.00 |
| | Pot hole to verify all necessary existing utilities and other to construct water and sewer | | | · · · · · · · · · · · · · · · · · · · | |
| 5 | line | 1 | LS | \$1,600.00 | \$1,600.00 |
| 6 | Construction Signs | 1 | LS | \$7,000.00 | \$7,000.00 |
| 7 | Traffic Control | 1 | LS | \$20,000.00 | \$20,000.00 |
| 8 | Saw-Cut AC | 5,000 | LS | | |
| | | | | \$1.00 | \$5,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$10.00 | \$140,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$640.00 | \$1,920.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$360.00 | \$1,440.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$640.00 | \$640.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$10,000.00 | \$10,000.00 |
| 15 | conduit, electrical wire and all fittings needed to reconnect power to billboard | I | LO | φ10,000.00 | \$10,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$29.00 | \$4,350.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,600.00 | \$16,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$3,000.00 | \$6,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$10.00 | \$40,000.00 |
| 18 | | | EA | \$700.00 | |
| | Connect to Existing 12" Water Stub | 2 | | · · · · | \$1,400.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$1,400.00 | \$1,400.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$3,000.00 | \$3,000.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,000.00 | \$6,000.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$6,000.00 | \$72,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$7,000.00 | \$7,000.00 |
| 24 | Deleted Item | | | | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,000.00 | \$18,000.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | | |
| 26 | X Pavement Markers | 1 | EA | \$6,800.00 | \$6,800.00 |
| 27 | | 1 | | ¢15 000 00 | ¢15,000,00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$15,000.00 | \$15,000.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| | | • | _, . | +0,000.00 | + |
| 29 | Pressure test and disinfect water main | 1 | LS | \$8,000.00 | \$8,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$8,000.00 | \$8,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$14,000.00 | \$14,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$50.00 | \$12,500.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | *** ** | <i><i><i>v</i></i>.=,<i>vvvvvvvvvvvvv</i></i> |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$39.00 | \$68,640.00 |
| 34 | fusion welded and trench back fill (Check appropriate box) Deleted Item | | | | |
| -04 | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-200 | | | | |
| 25 | | 11 690 | LF | ¢100.00 | ¢1 169 000 00 |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | \$100.00 | \$1,168,000.00 |
| | fill (Check appropriate box) | | | | |
| | | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-150 | | | | |
| 36 | 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 000 | | LE \$164.00 | \$147.600.00 |
| | | 900 | LF | \$164.00 | \$147,600.00 |
| | fill (Check appropriate box) | 900 | LF | \$164.00 | \$147,600.00 |
| | • | 900 | LF | \$164.00 | \$147,600.00 |
| 37 | fill (Check appropriate box) | | | | |
| 37 | fill (Check appropriate box) Provide and install a 1½" water service | 60 | LF | \$68.00 | \$4,080.00 |
| 38 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service | 60 60 | LF | \$68.00 \$105.00 | \$4,080.00 \$6,300.00 |
| 38 39 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 60 60 3 | LF LF EA | \$68.00 \$105.00 \$5,600.00 | \$4,080.00 \$6,300.00 \$16,800.00 |
| 38 39 40 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 60 60 3 4,980 | LF LF EA SY | \$68.00 \$105.00 \$5,600.00 \$5.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 |
| 38 39 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers | 60 60 3 | LF LF EA | \$68.00 \$105.00 \$5,600.00 | \$4,080.00 \$6,300.00 \$16,800.00 |
| 38 39 40 41 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 | LF LF EA SY LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 |
| 38 39 40 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers | 60 60 3 4,980 | LF LF EA SY | \$68.00 \$105.00 \$5,600.00 \$5.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 |
| 38 39 40 41 42 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 60 60 3 4,980 1 1 | LF LF EA SY LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 |
| 38 39 40 41 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 | LF LF EA SY LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 |
| 38 39 40 41 42 43 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 |
| 38 39 40 41 42 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 1 | LF LF EA SY LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 |
| 38 39 40 41 42 43 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 |
| 38 39 40 41 42 43 44 | fill (Check appropriate box) Provide and install a 11/2" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 |
| 38 39 40 41 42 43 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 60 60 3 4,980 1 1 1 | LF LF EA SY LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 |
| 38 39 40 41 42 43 44 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 |
| 38 39 40 41 42 43 44 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 |
| 38 39 40 41 42 43 44 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 |
| 38 39 40 41 42 43 44 45 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 |
| 38 39 40 41 42 43 44 45 46 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 265 265 | LF EA SY LS LS LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 \$580.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$111,300.00 \$153,700.00 |
| 38 39 40 41 42 43 44 45 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 |
| 38 39 40 41 42 43 44 45 46 47 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 60 60 3 4,980 1 1 1 1 265 265 265 3 | LF EA SY LS LS LS LS LS LS LS | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 \$580.00 \$1,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 |
| 38 39 40 41 42 43 44 45 46 47 48 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$28,000.00 \$420.00 \$580.00 \$1,000.00 \$74.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 | fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 | LF EA SY LS LS LS LS LS LS LS LS LS LS EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 \$420.00 \$420.00 \$580.00 \$1,000.00 \$74.00 \$5,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$11,400.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 \$5,000.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 50 | fill (Check appropriate box) Provide and install a 11/2" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 1 265 265 265 3 3 1 1 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$12,800.00 \$28,000.00 \$420.00 \$420.00 \$580.00 \$1,000.00 \$74.00 \$5,000.00 \$4,200.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$11,400.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 \$5,000.00 \$4,200.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 | fill (Check appropriate box) Provide and install a 11½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 | LF EA SY LS LS LS LS LS LS LS LS LS LS EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$28,000.00 \$420.00 \$420.00 \$420.00 \$580.00 \$1,000.00 \$74.00 \$5,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$11,400.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 \$5,000.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 50 | fill (Check appropriate box) Provide and install a 11/2" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 1 265 265 265 3 3 1 1 | LF EA SY LS LS LS LS LS LS LS LF LF EA EA EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$12,800.00 \$28,000.00 \$420.00 \$420.00 \$580.00 \$1,000.00 \$74.00 \$5,000.00 \$4,200.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$11,400.00 \$11,400.00 \$12,800.00 \$28,000.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 \$5,000.00 \$4,200.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | fill (Check appropriate box) Provide and install a 11½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 60 60 3 4,980 1 1 1 1 1 265 265 265 3 3 1 1 1 1 | LF EA SY LS LS LS LS LS LS LS LS LS LF EA EA EA EA | \$68.00 \$105.00 \$5,600.00 \$5,000.00 \$11,400.00 \$12,800.00 \$12,800.00 \$12,800.00 \$12,800.00 \$12,800.00 \$12,800.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 | \$4,080.00 \$6,300.00 \$16,800.00 \$24,900.00 \$11,400.00 \$12,800.00 \$12,800.00 \$12,800.00 \$111,300.00 \$153,700.00 \$3,000.00 \$222.00 \$5,000.00 \$4,200.00 \$1,000.00 |

TOTAL BASE BID: \$2,264,572.00

Engineers Estimate \$1,600,000 January 24, 2013

Sierra Mountain Construction Inc. San Francisco

| ITEM | | BID | | UNIT | TOTAL |
|--|--|---|--|---|--|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$80,000.00 | \$80,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$500.00 | \$500.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$3,500.00 | \$3,500.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$15,000.00 | \$15,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer line | 1 | LS | \$20,000.00 | \$20,000.00 |
| 6 | | 1 | LS | \$3,500.00 | \$3,500.00 |
| 7 | Traffic Control | 1 | LS | | \$50,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$0.90 | \$4,500.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$4.50 | \$63,000.00 |
| 10 | | 3 | EA | \$500.00 | \$1,500.00 |
| 11 | | | | | \$4,000.00 |
| 12 | | 1 | LS | \$1,250.00 | \$1,250.00 |
| 13 | | 1 | LS | \$18,000.00 | \$18,000.00 |
| 14 | | 150 | IF | \$0.90 \$4.50 \$500.00 \$1,000.00 \$1,250.00 \$1250.00 \$12.00 \$13,00.00 \$10,750.00 \$10,000.00 \$10,000.00 \$10,000.00 \$80.00 | \$1,800.00 |
| 15 | Saw-Cut AC 5.000 LF \$0.90 Trench Patch (4"AC/4"AB) 14,000 SF \$4.4.50 Hold existing utility pole in place while trenching for water line 3 EA \$500.00 Remove and discard existing utility pole 4 EA \$1,000.00 Provide & Install NEMA enclosure Type 3R for PG&E meter 1 LS \$1,250.00 Disconnect existing overhead power line to billboard and provide underground conduit, electrical wire and all fittings needed to reconnect power to billboard 1 LS \$18,000.00 Restore existing AC Driveway 10 EA \$4000.00 Restore existing AC Driveway 10 EA \$4000.00 Restore existing AC Driveway 2 EA \$1,300.00 \$53.00 \$3.00 Connect to Existing 12" Water Stub. 2 EA \$4,000.00 \$5 \$3.00 Provide and Install 10" gate valve with valve box, lid and ring 1 EA \$3.000.00 Provide and Install 2" gate valve with valve box, lid and ring 1 EA \$3.000.00 Provide and Install 2" gate valve with valve box, lid and ring 1 EA \$3.00.00 Provide and Install 2" butterfly valve with valve box, lid | | \$4,000.00 | | |
| 16 | | | \$2,600.00 | | |
| 17 | | 4000 | SF | \$3.00 | \$12,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$4,000.00 | \$8,000.00 |
| 19 | | | | | \$3,000.00 |
| 20 | | | | | \$2,150.00 |
| 21 | | | | | \$6,750.00 |
| 22 | | | | | \$63,000.00 |
| 23 | | 1 | EA | \$10,750.00 | \$10,750.00 |
| 24 25 | | 6 | F۵ | \$3 500 00 | \$21,000.00 |
| | | | | · · · · · | |
| 26 | | 1 | EA | \$6,000.00 | \$6,000.00 |
| 27 | | 1 | EA | \$9,000.00 | \$9,000.00 |
| 20 | | 2 | | ¢2 500 00 | \$10,500.00 |
| 28 | Provide and install sanitary sewer manhole for future ARV per Detail C on Sheet 13 | 3 | EA | \$3,500.00 | \$10,500.00 |
| 29 | | | | | \$7,500.00 |
| 30 | | • | | | \$6,500.00 |
| 31 | | | | | \$10,000.00 |
| 32 | | 250 | LF | \$80.00 | \$20,000.00 |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$68.00 | \$119,680.00 |
| 34 | Deleted Item | | | | |
| 35 | ► Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$97.00 | \$1,132,960.00 |
| 36 | PVC DR-18 ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$194.00 | \$174,600.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$30.00 | \$1,800.00 |
| ~~ | Provide and install a 10" fire service | 60 | LF EA | \$60.00 \$2,500.00 | \$3,600.00 |
| 38 | Demonstration and real and stration Fine Understand | | | \$2.500.00 | \$7,500.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | | | \$22 /10 00 |
| 39 40 | Slurry seal entire width of street | 4,980 | SY | \$4.50 | \$22,410.00 \$18,000.00 |
| 39 | | | | | \$22,410.00 \$18,000.00 \$35,000.00 |
| 39 40 41 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 4,980 1 | SY LS | \$4.50 \$18,000.00 | \$18,000.00 |
| 39 40 41 42 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 4,980 1 1 | SY LS LS | \$4.50 \$18,000.00 \$35,000.00 | \$18,000.00 \$35,000.00 |
| 39 40 41 42 43 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 4,980 1 1 1 | SY LS LS LS | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 | \$18,000.00 \$35,000.00 \$20,000.00 |
| 39 40 41 42 43 44 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 4,980 1 1 1 1 | SY LS LS LS LS | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 |
| 39 40 41 42 43 44 45 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 4,980 1 1 1 1 265 | SY LS LS LS LS LF | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$370.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 |
| 39 40 41 42 43 44 45 46 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 4,980 1 1 1 1 265 265 3 3 3 | SY LS LS LS LS LF LF | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$370.00 \$505.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 \$133,825.00 |
| 39 40 41 42 43 44 45 46 47 48 49 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 4,980 1 1 1 265 265 3 3 1 | SY LS LS LS LS LF LF EA EA EA | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$370.00 \$370.00 \$3,500.00 \$3,500.00 \$3,750.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 \$133,825.00 \$10,500.00 \$1,050.00 \$3,750.00 |
| 39 40 41 42 43 44 45 46 47 48 49 50 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 4,980 1 1 1 1 265 265 3 3 1 1 | SY LS LS LS LS LF LF EA EA EA LS | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$370.00 \$370.00 \$3,500.00 \$3,500.00 \$3,750.00 \$2,500.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 \$133,825.00 \$10,500.00 \$1,050.00 \$3,750.00 \$2,500.00 |
| 39 40 41 42 43 44 45 46 47 48 49 50 51 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 4,980 1 1 1 1 265 265 3 3 1 1 1 1 | SY LS LS LS LS LF LF EA EA EA EA EA | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$22,000.00 \$370.00 \$370.00 \$3,500.00 \$3,500.00 \$3,750.00 \$2,500.00 \$1,500.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 \$133,825.00 \$10,500.00 \$1,050.00 \$3,750.00 \$2,500.00 \$1,500.00 |
| 39 40 41 42 43 44 45 46 47 48 49 50 | Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 4,980 1 1 1 1 265 265 3 3 1 1 | SY LS LS LS LS LF LF EA EA EA LS | \$4.50 \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$370.00 \$370.00 \$3,500.00 \$3,500.00 \$3,750.00 \$2,500.00 | \$18,000.00 \$35,000.00 \$20,000.00 \$22,000.00 \$98,050.00 \$133,825.00 \$10,500.00 \$1,050.00 \$3,750.00 \$2,500.00 |

TOTAL BASE BID: <u>\$2,284,965.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

Teichert Construction, Stockton

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
|----------------------------|--|------------------|----------------------|---|---|
| 1 | Mobilization & Demobilization | 1 | LS | \$17,000.00 | \$17,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$500.00 | \$500.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$4,500.00 | \$4,500.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$2,500.00 | \$2,500.00 |
| ~ | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 4 | | ¢10,000,00 | ¢10,000,00 |
| 5 | line | 1 | LS | \$10,000.00 | \$10,000.00 |
| 6 | Construction Signs | 1 | LS | \$6,000.00 | \$6,000.00 |
| 7 | Traffic Control | 1 | LS | \$30,000.00 | \$30,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.25 | \$6,250.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$3.50 | \$49,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,000.00 | \$3,000.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,100.00 | \$4,400.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,200.00 | \$1,200.00 |
| | Disconnect existing overhead power line to billboard and provide underground | 1 | | · | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$20,000.00 | \$20,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$25.00 | \$3,750.00 |
| | | | EA | \$800.00 | \$8,000.00 |
| 15 | Restore existing AC Driveway | 10 | | | . , |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$1,800.00 | \$3,600.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$3.50 | \$14,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$5,000.00 | \$10,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$7,500.00 | \$7,500.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$1,900.00 | \$1,900.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,000.00 | \$6,000.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$5,500.00 | \$66,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$11,000.00 | \$11,000.00 |
| 24 | Deleted Item | | | · | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,000.00 | \$18,000.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | · | |
| 26 | X Pavement Markers | 1 | EA | \$4,900.00 | \$4,900.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$8,500.00 | \$8,500.00 |
| 21 | | | | ψ0,000.00 | φ0,000.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$4,500.00 | \$13,500.00 |
| 20 | Dressure test and disinfect water main | 4 | | ¢20,000,00 | ¢20.000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$20,000.00 | \$20,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$4,000.00 | \$4,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$7,000.00 | \$7,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$45.00 | \$11,250.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$65.00 | \$114,400.00 |
| 34 | Deleted Item | | | | |
| 54 | PVC DR-18 | | | | |
| 35 | Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$98.50 | \$1,150,480.00 |
| 36 | PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$199.00 | \$179,100.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$18.00 | \$1,080.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$37.00 | \$2,220.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$1,700.00 | \$5,100.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$3.50 | \$17,430.00 |
| 41 | Pavement striping and markers | 1 | LS | \$18,000.00 | \$18,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$45,000.00 | \$45,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$45,000.00 | \$45,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$45,000.00 | \$45,000.00 |
| 4 - | 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 005 | | | |
| 45 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 265 | LF | \$662.00 | \$175,430.00 |
| | carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 | LF | \$459.00 | \$121,635.00 |
| 46 | casing and fill annular space with sand. | | | | #7 000 00 |
| 46 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$2,400.00 | \$7,200.00 |
| | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | | | . , | |
| 47 48 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 3 | EA | \$350.00 | \$1,050.00 |
| 47 48 49 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | | EA EA | \$350.00 \$3,500.00 | \$1,050.00 \$3,500.00 |
| 47 48 49 50 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 1 | EA EA LS | \$350.00 \$3,500.00 \$12,000.00 | \$1,050.00 \$3,500.00 \$12,000.00 |
| 47 48 49 50 51 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 3 1 1 1 | EA EA LS EA | \$350.00 \$3,500.00 \$12,000.00 \$1,900.00 | \$1,050.00 \$3,500.00 \$12,000.00 \$1,900.00 |
| 47 48 49 50 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 3 1 1 | EA EA LS | \$350.00 \$3,500.00 \$12,000.00 | \$1,050.00 \$3,500.00 \$12,000.00 |

TOTAL BASE BID: <u>\$2,322,531.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

Herback General Engineering, Minden, Nevada

| ITEM | | BID | 11411- | UNIT | TOTAL |
|------|--|--------|--------|-------------|----------------|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$90,530.00 | \$90,530.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$420.00 | \$420.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,960.00 | \$2,960.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$13,660.00 | \$13,660.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$8,230.00 | \$8,230.00 |
| 6 | line Construction Signs | 1 | LS | \$4,060.00 | \$4,060.00 |
| 7 | Traffic Control | 1 | LS | \$86,570.00 | \$86,570.00 |
| 8 | Saw-Cut AC | 5,000 | LS | \$1.50 | \$7,500.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$5.15 | \$72,100.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$425.00 | \$1,275.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$130.00 | \$520.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,715.00 | \$1,715.00 |
| 40 | Disconnect existing overhead power line to billboard and provide underground | 4 | | | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$9,400.00 | \$9,400.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$9.50 | \$1,425.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,280.00 | \$12,800.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$1,800.00 | \$3,600.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$5.00 | \$20,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$3,180.00 | \$6,360.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$1,860.00 | \$1,860.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,010.00 | \$2,010.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,330.00 | \$6,990.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$5,550.00 | \$66,600.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$11,030.00 | \$11,030.00 |
| 24 | Deleted Item | | | | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,835.00 | \$23,010.00 |
| 26 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 1 | EA | \$5,960.00 | \$5,960.00 |
| | X Pavement Markers | | | | |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$9,400.00 | \$9,400.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$4,380.00 | \$13,140.00 |
| | | | | | |
| 29 | Pressure test and disinfect water main | 1 | LS | \$15,000.00 | \$15,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$7,830.00 | \$7,830.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$12,670.00 | \$12,670.00 |
| 32 | Remove and Replace existing 12-inch water main ►Fusible HDPE (D.I.P.S) DR-21 or | 250 | LF | \$43.00 | \$10,750.00 |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$72.00 | \$126,720.00 |
| 34 | Deleted Item | | | | |
| 35 | ▶ PVC DR-18 Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$104.00 | \$1,214,720.00 |
| 36 | ► PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$191.00 | \$171,900.00 |
| 37 | Provide and install a 1½" water service | 60 | LF | \$39.00 | \$2,340.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$45.00 | \$2,700.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$2,840.00 | \$8,520.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$4.45 | \$22,161.00 |
| 41 | Pavement striping and markers | 1 | LS | \$20,000.00 | \$20,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$16,820.00 | \$16,820.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$15,580.00 | \$15,580.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 1 | LS | \$15,260.00 | \$15,260.00 |
| 45 | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 065 | | ¢260.00 | ¢05 400 00 |
| +0 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 265 | LF | \$360.00 | \$95,400.00 |
| 46 | carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 265 | LF | \$580.00 | \$153,700.00 |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 3 | EA | \$2,755.00 | \$8,265.00 |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$390.00 | \$1,170.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$3,965.00 | \$3,965.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$4,060.00 | \$4,060.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$2,445.00 | \$2,445.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$115.00 | \$2,070.00 |
| | | | LS | \$840.00 | \$840.00 |
| 53 | Remove & dispose of existing concrete pads | 1 | | JOT0.00 | |

TOTAL BASE BID: <u>\$2,421,511.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

Platinum Pipeline Inc., Dublin

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
|-------------|---|--------------------|----------|--------------------|---------------------------|
| 1 | Mobilization & Demobilization | 1 | LS | \$101,655.00 | \$101,655.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$500.00 | \$500.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,000.00 | \$2,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$5,000.00 | \$5,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$4,000.00 | \$4,000.00 |
| | line | | | | |
| 6 | Construction Signs | 1 | LS | \$2,000.00 | \$2,000.00 |
| 7 | Traffic Control | 1 | LS | \$10,000.00 | \$10,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.00 | \$5,000.00 |
| 9 10 | Trench Patch (4"AC/4"AB) Hold existing utility pole in place while trenching for water line | <u>14,000</u> 3 | SF EA | \$4.00 \$750.00 | \$56,000.00 \$2,250.00 |
| 10 | Remove and discard existing utility pole | <u> </u> | EA | \$1,500.00 | \$6,000.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 4 | LS | \$7,500.00 | \$7,500.00 |
| | Disconnect existing overhead power line to billboard and provide underground | I | | | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$18,500.00 | \$18,500.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$10.00 | \$1,500.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$750.00 | \$7,500.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$1,500.00 | \$3,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$4.00 | \$16,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$5,000.00 | \$10,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$5,000.00 | \$5,000.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$1,800.00 | \$1,800.00 |
| 20 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,000.00 | \$6,000.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$7,500.00 | \$90,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$13,000.00 | \$13,000.00 |
| 24 | Deleted Item | 1 | | Ψ.0,000.00 | ÷10,000.00 |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,500.00 | \$21,000.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | · · · · · · | |
| 26 | X Pavement Markers | 1 | EA | \$9,000.00 | \$9,000.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$12,000.00 | \$12,000.00 |
| | | | | · · · · · | |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$10,000.00 | \$10,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$5,000.00 | \$5,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$7,500.00 | \$7,500.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$90.00 | \$22,500.00 |
| 02 | ► Fusible HDPE (D.I.P.S) DR-21 or | 200 | | 400.00 | <i>\\</i> 22,000.00 |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$60.00 | \$105,600.00 |
| 34 | Deleted Item | | | | |
| 35 | ▶ PVC DR-18 Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$110.00 | \$1,284,800.00 |
| 36 | PVC DR-18 ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$215.00 | \$193,500.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$50.00 | \$3,000.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$60.00 | \$3,600.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$4,000.00 | \$12,000.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$9.00 | \$44,820.00 |
| 41 | Pavement striping and markers | 1 | LS | \$15,000.00 | \$15,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$40,000.00 | \$40,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$40,000.00 | \$40,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 1 | LS | \$40,000.00 | \$40,000.00 |
| 45 | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 265 | LF | \$400.00 | \$106,000.00 |
| 46 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 265 | LF | \$480.00 | \$127,200.00 |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 3 | EA | \$3,000.00 | \$9,000.00 |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$400.00 | \$1,200.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$6,000.00 | \$6,000.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$2,000.00 | \$2,000.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$2,000.00 | \$2,000.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$100.00 | \$1,800.00 |
| | | - | | | |
| 53 | Remove & dispose of existing concrete pads | 1 | LS | \$5,000.00 | \$5,000.00 |

TOTAL BASE BID: \$2,520,725.00

Engineers Estimate \$1,600,000 January 24, 2013

Sanco Pipelines Inc., Los Gatos

| ITEM | | BID | | UNIT | TOTAL |
|----------|--|----------|------------|-------------------------|-----------------------------------|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$36,462.00 | \$36,462.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$1,343.00 | \$1,343.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,026.00 | \$2,026.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$12,602.00 | \$12,602.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$20,943.00 | \$20,943.00 |
| 5 | line | I | L3 | φ20,943.00 | φ20,943.00 |
| 6 | Construction Signs | 1 | LS | \$9,787.00 | \$9,787.00 |
| 7 | Traffic Control | 1 | LS | \$47,073.00 | \$47,073.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$2.00 | \$10,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$7.00 | \$98,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,821.00 | \$5,463.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,300.00 | \$5,200.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,103.00 | \$1,103.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$27,390.00 | \$27,390.00 |
| | conduit, electrical wire and all fittings needed to reconnect power to billboard | | | . , | |
| 14 | Remove and reinstall existing fence | 150 | LF | \$11.00 | \$1,650.00 |
| 15 | estore existing Concrete Driveway2EA\$3emove existing shoulder pavement and repave in-kind4000SF5onnect to Existing 12" Water Stub2EA\$7onnect to Existing 24" Water Stub, remove blind flange1EA\$1rovide and Install 10" gate valve with valve box, lid and ring1EA\$1rovide and Install 12" gate valve with valve box, lid and ring3EA\$2rovide and Install 24" butterfly valve with valve box, lid and ring12EA\$4 | \$660.00 | \$6,600.00 | | |
| 16 | | | | \$3,280.00 | \$6,560.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | | | \$5.00 | \$20,000.00 |
| 18 | | | | \$7,580.00 | \$15,160.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | | | \$11,200.00 | \$11,200.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | | | \$1,900.00 | \$1,900.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | | | \$2,000.00 | \$6,000.00 |
| 22 | | | | \$4,900.00 | \$58,800.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$10,000.00 | \$10,000.00 |
| 24 | Deleted Item | | | | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$5,000.00 | \$30,000.00 |
| 26 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 1 | EA | \$5,250.00 | \$5,250.00 |
| | X Pavement Markers | | | | |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$9,470.00 | \$9,470.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| 20 | | 0 | | ψ0,000.00 | φ10,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$37,100.00 | \$37,100.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$13,845.00 | \$13,845.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$19,640.00 | \$19,640.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$115.00 | \$28,750.00 |
| | Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| | Fusible PVC (D.I.P.S) Pipe DR-25 | | | | |
| 33 | 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$52.00 | \$91,520.00 |
| | fusion welded and trench back fill (Check appropriate box)+C794 | | | | |
| | | | | | |
| 34 | Deleted Item | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-200 | | | | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | \$100.00 | \$1,168,000.00 |
| | fill (Check appropriate box) | | | | |
| | | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-150 | | | | |
| 36 | 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$265.00 | \$238,500.00 |
| | fill (Check appropriate box) | | | | |
| _ | | _ | | | |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$27.00 | \$1,620.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$144.00 | \$8,640.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$2,342.00 | \$7,026.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$4.00 | \$19,920.00 |
| 41 | Pavement striping and markers | 1 | LS | \$18,900.00 | \$18,900.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$65,848.00 | \$65,848.00 |
| 74 | HWY-99 crossing | 1 | | ΨUU,UTU.UU | Ψ00,0 1 0.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$43,300.00 | \$43,300.00 |
| .0 | 30-inch steel casing at UPRR crossing | 1 | | φ.0,000.00 | ÷ 10,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$43,300.00 | \$43,300.00 |
| | 42-inch steel casing at UPRR crossing | I | | ψ - 0,000.00 | Ψ-0,000.00 |
| | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | | | | |
| 45 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 265 | LF | \$389.00 | \$103,085.00 |
| | annular space with sand. | | | | |
| | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | _ | I T | | |
| 46 | carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 | LF | \$525.00 | \$139,125.00 |
| | casing and fill annular space with sand. | | | | |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$4,736.00 | \$14,208.00 |
| 4/ | unless special arrangements are made with the District | ა | EA | φ 4 ,/ 30.00 | φ14,200.00 |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$426.00 | \$1,278.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$4,220.00 | \$4,220.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$12,360.00 | \$12,360.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$3,200.00 | \$3,200.00 |
| | Temporary 6" AB Class II shoulder | 18 | CY | \$112.00 | \$2,016.00 |
| 52 | | | | | · · · · · · · · · · · · · · · · · |
| 52 53 | Remove & dispose of existing concrete pads | 1 | LS | \$2,880.00 | \$2,880.00 |

TOTAL BASE BID: \$2,566,933.00

Engineers Estimate \$1,600,000 January 24, 2013

Ford Construction Company, Inc., Lodi

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
|-------------|---|------------|----------|------------------------|------------------------|
| 1 | Mobilization & Demobilization | 1 | LS | \$195,000.00 | \$195,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$10.00 | \$10.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$15,000.00 | \$15,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$1,500.00 | \$1,500.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$15,000.00 | \$15,000.00 |
| | | | | | |
| 6 | Construction Signs | 1 | LS | \$1,500.00 | \$1,500.00 |
| 7 | Traffic Control | 1 | LS | \$105,000.00 | \$105,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$0.50 | \$2,500.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$4.50 | \$63,000.00 |
| 10 11 | Hold existing utility pole in place while trenching for water line Remove and discard existing utility pole | 3 4 | EA EA | \$1,020.00 \$140.00 | \$3,060.00 \$560.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 4 1 | LS | \$1,050.00 | \$1,050.00 |
| 12 | Disconnect existing overhead power line to billboard and provide underground | I | LO | \$1,050.00 | \$1,050.00 |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$19,000.00 | \$19,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$25.00 | \$3,750.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,000.00 | \$10,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$2,225.00 | \$4,450.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$6.00 | \$24,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$400.00 | \$800.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$3,250.00 | \$3,250.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,700.00 | \$2,700.00 |
| 20 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,900.00 | \$8,700.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$6,000.00 | \$72,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$21,000.00 | \$21,000.00 |
| 23 | Deleted Item | | _/、 | Ψ= 1,000.00 | Ψ <u></u> ,000.00 |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,100.00 | \$18,600.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | | |
| 26 | X Pavement Markers | 1 | EA | \$6,500.00 | \$6,500.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$11,000.00 | \$11,000.00 |
| | | | | | |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,500.00 | \$16,500.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$13,000.00 | \$13,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$2,250.00 | \$2,250.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$2,250.00 | \$2,250.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$50.00 | \$12,500.00 |
| 33 | Fusible HDPE (D.I.P.S) DR-21 or Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$50.00 | \$88,000.00 |
| 34 | Deleted Item | | | | |
| 35 | PVC DR-18 ▶ Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$110.00 | \$1,284,800.00 |
| 36 | PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$240.00 | \$216,000.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$25.00 | \$1,500.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$55.00 | \$3,300.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$950.00 | \$2,850.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$4.00 | \$19,920.00 |
| 41 | Pavement striping and markers | 1 | LS | \$19,000.00 | \$19,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$21,000.00 | \$21,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$19,000.00 | \$19,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 1 | LS | \$19,000.00 | \$19,000.00 |
| 45 | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 265 | LF | \$350.00 | \$92,750.00 |
| 46 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 265 | LF | \$475.00 | \$125,875.00 |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 3 | EA | \$19,000.00 | \$57,000.00 |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$450.00 | \$1,350.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$2,100.00 | \$2,100.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$4,000.00 | \$4,000.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$1,500.00 | \$1,500.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$170.00 | \$3,060.00 |
| 53 | Remove & dispose of existing concrete pads | 1 | LS | \$800.00 | \$800.00 |
| | | | LS | | |

TOTAL BASE BID: <u>\$2,643,235.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

West Valley Construction Co. Inc., San Jose

| ITEM | | BID | | UNIT | TOTAL |
|---|--|--|--|--|--|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$39,000.00 | \$39,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$6,800.00 | \$6,800.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$10,500.00 | \$10,500.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$17,000.00 | \$17,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer line | 1 | LS | \$10,500.00 | \$10,500.00 |
| 6 | Construction Signs | 1 | LS | \$11,000,00 | \$11,000.00 |
| 7 | Traffic Control | 1 | LS | | \$100,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.00 | \$5,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$4.25 | \$59,500.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,200.00 | \$3,600.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,200.00 | \$4,800.00 |
| 12 | | 1 | LS | \$1,200.00 | \$1,200.00 |
| 13 | | 1 | LS | \$20,000.00 | \$20,000.00 |
| | | 150 | | • | |
| 14 15 | | | | \$100,000.00 \$1.00 \$4.25 \$1,200.00 \$1,200.00 \$1,200.00 \$1,200.00 \$1,200.00 \$20,000.00 \$28.00 \$20,000.00 \$28.00 \$20,000.00 \$28.00 \$20,000.00 \$20,000.00 \$20,000.00 \$2,000.00 \$4,000.00 \$2,600.00 \$2,600.00 \$2,600.00 \$2,600.00 \$2,600.00 \$3,750.00 \$3,750.00 \$24,000.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$3,750.00 \$63.00 | \$4,200.00 |
| 15 | Provide & Install NEMA enclosure Type 3R for PG&E meter1LS\$1,1Disconnect existing overhead power line to billboard and provide underground conduit, electrical wire and all fittings needed to reconnect power to billboard1LS\$20Remove and reinstall existing fence150LF\$2Restore existing AC Driveway10EA\$2,1Restore existing Concrete Driveway2EA\$5,1Remove existing shoulder pavement and repave in-kind4000SF\$Connect to Existing 12" Water Stub2EA\$9,1Connect to Existing 24" Water Stub2EA\$2,2Provide and Install 10" gate valve with valve box, lid and ring1EA\$2,2Provide and Install 30" butterfly valve with valve box, lid and ring1EA\$2,2Provide and Install 30" butterfly valve with valve box, lid and ring1EA\$1,1Deleted ItemAA\$1,1\$4,1Provide and Install 30" butterfly valve with valve box, lid and ring1EA\$2,1Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type1EA\$2,2Provide and Install 18" sewer gate valve with valve box, lid and ring1EA\$3,3Provide and Install 18" sewer gate valve with valve box, lid and ring1EA\$3,3Provide and Install 18" sewer gate valve with valve box, lid and ring1EA\$3,3Provide and Install 18" sewer gate valve with valve box, lid and ring1EA\$3,3Provide | | \$20,000.00 \$11,200.00 | | |
| 17 | | | \$24,000.00 | | |
| 18 | | | \$18,000.00 | | |
| 19 | | | | | \$4,000.00 |
| 20 | | | | | \$2,000.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | | | | \$7,800.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | | | | \$70,800.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$11,000.00 | \$11,000.00 |
| 24 | Deleted Item | | | | |
| 25 | | 6 | EA | \$2,800.00 | \$16,800.00 |
| 26 | | 1 | EA | \$5,125,00 | \$5,125.00 |
| | | | | | |
| 27 | Provide and install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$9,500.00 | \$9,500.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$3,750.00 | \$11,250.00 |
| 29 | Pressure test and disinfect water main | 1 | 15 | \$24,000,00 | \$24,000.00 |
| 30 | | | | | \$13,000.00 |
| 31 | | | | | \$17,525.00 |
| 32 | | 250 | | | \$15,750.00 |
| | | | | + | , , |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$76.50 | \$134,640.00 |
| 34 | Deleted Item | | | | |
| 35 | PVC DR-18 ▶ Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$117.40 | \$1,371,232.00 |
| 36 | PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$211.00 | \$189,900.00 |
| | | | | | |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$39.00 | \$2,340.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$116.00 | \$6,960.00 |
| 38 39 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 60 3 | LF EA | \$116.00 \$2,875.00 | \$6,960.00 \$8,625.00 |
| 38 39 40 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 60 3 4,980 | LF EA SY | \$116.00 \$2,875.00 \$4.50 | \$6,960.00 \$8,625.00 \$22,410.00 |
| 38 39 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 60 3 | LF EA | \$116.00 \$2,875.00 | \$6,960.00 \$8,625.00 |
| 38 39 40 41 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 60 3 4,980 1 | LF EA SY LS | \$116.00 \$2,875.00 \$4.50 \$20,000.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 |
| 38 39 40 41 42 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 60 3 4,980 1 1 | LF EA SY LS LS | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 |
| 38 39 40 41 42 43 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 3 4,980 1 1 1 | LF EA SY LS LS LS | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 |
| 38 39 40 41 42 43 44 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 60 3 4,980 1 1 1 1 | LF EA SY LS LS LS LS | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 |
| 38 39 40 41 42 43 44 45 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 |
| 38 39 40 41 42 43 44 45 46 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | 60 3 4,980 1 1 1 1 265 265 | LF EA SY LS LS LS LS LF LF | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 \$544.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 \$144,160.00 |
| 38 39 40 41 42 43 44 45 46 47 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 60 3 4,980 1 1 1 1 265 265 265 3 | LF EA SY LS LS LS LS LS LF LF EA | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 \$544.00 \$8,200.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 \$144,160.00 \$24,600.00 |
| 38 39 40 41 42 43 44 45 46 47 48 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 3 4,980 1 1 1 1 265 265 3 3 3 | LF EA SY LS LS LS LS LF LF EA EA | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 \$544.00 \$8,200.00 \$375.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 \$144,160.00 \$24,600.00 \$1,125.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 60 3 4,980 1 1 1 1 265 265 3 3 1 1 1 1 | LF EA SY LS LS LS LS LS LF LF EA EA EA EA | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 \$406.00 \$544.00 \$8,200.00 \$375.00 \$3,700.00 \$3,700.00 \$2,000.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 \$144,160.00 \$24,600.00 \$1,125.00 \$3,700.00 |
| 38 39 40 41 42 43 44 45 46 47 48 49 50 | Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 3 4,980 1 1 1 1 265 265 3 3 1 1 | LF EA SY LS LS LS LS LS LF LF EA EA EA EA | \$116.00 \$2,875.00 \$4.50 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$406.00 \$406.00 \$544.00 \$8,200.00 \$375.00 \$3,700.00 \$5,100.00 | \$6,960.00 \$8,625.00 \$22,410.00 \$20,000.00 \$73,000.00 \$33,000.00 \$37,500.00 \$107,590.00 \$144,160.00 \$24,600.00 \$1,125.00 \$3,700.00 \$5,100.00 |

TOTAL BASE BID: <u>\$2,769,452.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

Downing Construction Inc., Yucaipa

| | | DID | | | |
|-------------|---|------------|------|--------------------------|--------------------------|
| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$100,000.00 | \$100,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$3,000.00 | \$3,000.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$3,000.00 | \$3,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$10,000.00 | \$10,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$20,000.00 | \$20,000.00 |
| 5 | line | - | | \$20,000.00 | \$20,000.00 |
| 6 | Construction Signs | 1 | LS | \$500.00 | \$500.00 |
| 7 | Traffic Control | 1 | LS | \$15,000.00 | \$15,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.40 | \$7,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$7.00 | \$98,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,000.00 | \$3,000.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,000.00 | \$4,000.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,200.00 | \$1,200.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$20,000.00 | \$20,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$18.00 | \$2,700.00 |
| 14 | Restore existing AC Driveway | 10 | EA | \$600.00 | \$6,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$600.00 | \$1,200.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$7.00 | \$28,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$8,000.00 | \$16,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$8,000.00 | \$8,000.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,000.00 | \$2,000.00 |
| 20 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,200.00 | \$6,600.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$6,000.00 | \$72,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$11,800.00 | \$11,800.00 |
| 24 | Deleted Item | · · | | ,, | ,, |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,700.00 | \$22,200.00 |
| 00 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 4 | | | - |
| 26 | X Pavement Markers | 1 | EA | \$6,300.00 | \$6,300.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$10,500.00 | \$10,500.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| 20 | Fronde and firstall samilary sewer mannole for future Arty per Detail C of Sheet 15 | 5 | EA | \$5,000.00 | \$15,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$3,500.00 | \$3,500.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$12,000.00 | \$12,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$17,000.00 | \$17,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$100.00 | \$25,000.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$95.00 | \$167,200.00 |
| 34 | Deleted Item PVC DR-18 | | | | |
| 35 | ► Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$128.00 | \$1,495,040.00 |
| 36 | PVC DR-18 ► Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$207.00 | \$186,300.00 |
| 37 | Provide and install a 1½" water service | 60 | LF | \$65.00 | \$3,900.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$70.00 | \$4,200.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$4,500.00 | \$13,500.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$5.00 | \$24,900.00 |
| 41 | Pavement striping and markers | 1 | LS | \$20,000.00 | \$20,000.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$14,000.00 | \$14,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing | 1 | LS | \$14,000.00 | \$14,000.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing | 1 | LS | \$14,000.00 | \$14,000.00 |
| 45 | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 265 | LF | \$362.00 | \$95,930.00 |
| 46 | annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 | LF | \$506.00 | \$134,090.00 |
| 47 | casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$700.00 | \$2,100.00 |
| | unless special arrangements are made with the District | | | | - |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$775.00 | \$2,325.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$4,500.00 | \$4,500.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$7,700.00 | \$7,700.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$3,900.00 | \$3,900.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$136.00 | \$2,448.00 |
| 53 | Remove & dispose of existing concrete pads | 1 | LS | \$5,000.00 \$7,500.00 | \$5,000.00 \$7,500.00 |
| 54 | Remove, lower and reconnect existing 12" SD Lateral | 1 | LS | | |

TOTAL BASE BID: <u>\$2,773,033.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

Preston Pipelines Inc., Milpitas

| ITEM | | BID | | UNIT | TOTAL |
|----------|--|--------|----------|---------------|----------------|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$130,000.00 | \$130,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$150.00 | \$150.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,000.00 | \$2,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$69,000.00 | \$69,000.00 |
| - | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 4 | | ¢10,000,00 | |
| 5 | line | 1 | LS | \$12,000.00 | \$12,000.00 |
| 6 | Construction Signs | 1 | LS | \$4,000.00 | \$4,000.00 |
| 7 | Traffic Control | 1 | LS | \$85,000.00 | \$85,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$2.00 | \$10,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$7.00 | \$98,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,100.00 | \$3,300.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,150.00 | \$4,600.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,200.00 | \$1,200.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$19,500.00 | \$19,500.00 |
| | conduit, electrical wire and all fittings needed to reconnect power to billboard | - | | | - |
| 14 | Remove and reinstall existing fence | 150 | LF | \$29.00 | \$4,350.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,150.00 | \$11,500.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$1,900.00 | \$3,800.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$8.00 | \$32,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$1,800.00 | \$3,600.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$3,600.00 | \$3,600.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,000.00 | \$2,000.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,300.00 | \$6,900.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$5,200.00 | \$62,400.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$10,500.00 | \$10,500.00 |
| 24 | Deleted Item | 6 | | ¢4 400 00 | ¢04 600 00 |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$4,100.00 | \$24,600.00 |
| 26 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 1 | EA | \$5,300.00 | \$5,300.00 |
| 07 | X Pavement Markers | 1 | | ¢11.000.00 | ¢11.000.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$11,000.00 | \$11,000.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$3,500.00 | \$10,500.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$16,500.00 | \$16,500.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$5,800.00 | \$5,800.00 |
| 30 | Provide interim water line connection to 24" water main | 1 | LS | \$9,950.00 | \$9,950.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$70.00 | \$17,500.00 |
| 52 | ► Fusible HDPE (D.I.P.S) DR-21 or | 230 | | φ/0.00 | φ17,500.00 |
| | Fusible PVC (D.I.P.S) Pipe DR-25 | | | | |
| 33 | 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$65.00 | \$114,400.00 |
| 00 | fusion welded and trench back fill (Check appropriate box) | 1100 | <u> </u> | 400.00 | φ111,100.00 |
| | | | | | |
| 34 | Deleted Item | | | | |
| • | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-200 | | | | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | \$109.00 | \$1,273,120.00 |
| | fill (Check appropriate box) | , | | | . , , |
| | | | | | |
| | PVC DR-18 | | | | |
| | ► Ductile Iron Pipe Class-150 | | | | |
| 36 | 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$200.00 | \$180,000.00 |
| | fill (Check appropriate box) | | | | . , |
| | | | | | |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$65.00 | \$3,900.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$85.00 | \$5,100.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$3,300.00 | \$9,900.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$4.00 | \$19,920.00 |
| 41 | Pavement striping and markers | 1 | LS | \$23,500.00 | \$23,500.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$40 500 00 | \$40 500 00 |
| 42 | HWY-99 crossing | I | 13 | \$40,500.00 | \$40,500.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$31,500.00 | \$31,500.00 |
| 40 | 30-inch steel casing at UPRR crossing | I | 13 | φοτ,ουυ.υυ | φ31,300.00 |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$31,500.00 | \$31,500.00 |
| ++ | 42-inch steel casing at UPRR crossing | I | 13 | ψο 1,500.00 | φυτ,500.00 |
| | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | | | | |
| 45 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 265 | LF | \$450.00 | \$119,250.00 |
| | annular space with sand. | | | | |
| | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | | | | |
| 46 | carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 | LF | \$750.00 | \$198,750.00 |
| | casing and fill annular space with sand. | | | | |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$9,200.00 | \$27,600.00 |
| | unless special arrangements are made with the District | | | | |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$500.00 | \$1,500.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$4,800.00 | \$4,800.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$6,000.00 | \$6,000.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$3,500.00 | \$3,500.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$100.00 | \$1,800.00 |
| 53 | Remove & dispose of existing concrete pads | 1 | LS | \$3,800.00 | \$3,800.00 |
| 53 54 | Remove, lower and reconnect existing 12" SD Lateral | | LS | \$4,950.00 | \$4,950.00 |

TOTAL BASE BID: \$2,785,840.00

Engineers Estimate \$1,600,000 January 24, 2013

California Trenchless Inc., Dublin

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
|--|--|---|--|---|---|
| 1 | Mobilization & Demobilization | 1 | LS | \$50,000.00 | \$50,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$1,000.00 | \$1,000.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,500.00 | \$2,500.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$2,500.00 | \$2,500.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$5,000.00 | \$5,000.00 |
| | | | | | |
| <u>6</u> 7 | Construction Signs | 1 | LS | \$2,500.00 | \$2,500.00 |
| 8 | Traffic Control Saw-Cut AC | 1 5,000 | LS LF | \$20,000.00 \$1.00 | \$20,000.00 \$5,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$4.00 | \$56,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,100.00 | \$3,300.00 |
| 10 | Remove and discard existing utility pole | 4 | EA | \$1,100.00 | \$4,400.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$1,100.00 | \$1,100.00 |
| | Disconnect existing overhead power line to billboard and provide underground | | | | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$20,000.00 | \$20,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$25.00 | \$3,750.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$1,800.00 | \$18,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$2,400.00 | \$4,800.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$5.00 | \$20,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$4,000.00 | \$8,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$5,000.00 | \$5,000.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,100.00 | \$2,100.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,600.00 | \$7,800.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$5,500.00 | \$66,000.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$12,000.00 | \$12,000.00 |
| 24 | Deleted Item | | | | A O (COO |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,500.00 | \$21,000.00 |
| 26 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 1 | EA | \$6,000.00 | \$6,000.00 |
| | X Pavement Markers | | | | |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$12,000.00 | \$12,000.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$6,000.00 | \$18,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$5,000.00 | \$5,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$5,000.00 | \$5,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LS | \$11,000.00 | \$11,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$125.00 | \$31,250.00 |
| 33 | Fusible HDPE (D.I.P.S) DR-21 or Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$100.00 | \$176,000.00 |
| 34 | Deleted Item | | | | |
| 35 | PVC DR-18 Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$123.00 | \$1,436,640.00 |
| 20 | PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$250.00 | \$225,000.00 |
| 36 | fill (Check appropriate box) | | | | <i> </i> |
| 36 | fill (Check appropriate box) Provide and install a 1½" water service | 60 | LF | \$45.00 | \$2,700.00 |
| | | | LF LF | \$45.00 \$125.00 | |
| 37 | Provide and install a 1½" water service | 60 | | • | \$2,700.00 |
| 37 38 | Provide and install a 1½" water service Provide and install a 10" fire service | 60 60 | LF | \$125.00 | \$2,700.00 \$7,500.00 |
| 37 38 39 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers | 60 60 3 | LF EA | \$125.00 \$7,500.00 | \$2,700.00 \$7,500.00 \$22,500.00 |
| 37 38 39 40 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 60 60 3 4,980 | LF EA SY | \$125.00 \$7,500.00 \$3.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 |
| 37 38 39 40 41 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 | LF EA SY LS | \$125.00 \$7,500.00 \$3.00 \$15,000.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 |
| 37 38 39 40 41 42 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the Back-and-Bore pits, set shoring, equipment needed, and backfill pits for the Pavement striping at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 60 60 3 4,980 1 1 | LF EA SY LS LS | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 |
| 37 38 39 40 41 42 43 | Provide and install a 11 ¹ / ₂ " water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 60 60 3 4,980 1 1 1 | LF EA SY LS LS LS | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 |
| 37 38 39 40 41 42 43 44 45 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | 60 60 3 4,980 1 1 1 1 265 | LF EA SY LS LS LS LS LS | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 |
| 37 38 39 40 41 42 43 44 45 46 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 60 60 3 4,980 1 1 1 1 265 265 | LF EA SY LS LS LS LS LF LF | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 |
| 37 38 39 40 41 42 43 44 45 46 46 47 | Provide and install a 11/2" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 60 60 3 4,980 1 1 1 1 265 265 265 3 | LF EA SY LS LS LS LS LF LF EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$65,000.00 \$650.00 \$650.00 \$2,500.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 |
| 37 38 39 40 41 42 43 44 45 46 46 47 48 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 | LF EA SY LS LS LS LS LF LF EA EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 \$2,500.00 \$500.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 \$1,500.00 |
| 37 38 39 40 41 42 43 43 44 45 46 47 48 49 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Provide and Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 | LF EA SY LS LS LS LS LF LF EA EA EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 \$2,500.00 \$500.00 \$7,500.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 \$1,500.00 |
| 37 38 39 40 41 42 43 43 44 45 46 47 46 47 48 49 50 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Provide and Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 1 | LF EA SY LS LS LS LS LS LF LF EA EA EA EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 \$2,500.00 \$500.00 \$5,000.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 \$7,500.00 \$7,500.00 |
| 37 38 39 40 41 42 43 43 44 45 46 47 46 47 48 49 50 51 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 1 1 1 1 | LF EA SY LS LS LS LS LS LF LF EA EA EA EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 \$2,500.00 \$7,500.00 \$2,500.00 \$2,500.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 \$7,500.00 \$7,500.00 \$5,000.00 \$2,500.00 |
| 37 38 39 40 41 42 43 43 44 45 46 47 46 47 48 49 50 | Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Provide and Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 60 60 3 4,980 1 1 1 1 265 265 265 3 3 3 1 1 | LF EA SY LS LS LS LS LS LF LF EA EA EA EA | \$125.00 \$7,500.00 \$3.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$450.00 \$650.00 \$2,500.00 \$500.00 \$5,000.00 | \$2,700.00 \$7,500.00 \$22,500.00 \$14,940.00 \$15,000.00 \$130,000.00 \$65,000.00 \$65,000.00 \$119,250.00 \$172,250.00 \$7,500.00 \$7,500.00 \$7,500.00 |

TOTAL BASE BID: <u>\$2,915,580.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

J & M Inc., Livermore

| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST | | | |
|--|--|---|--|--|--|--|--|--|
| 1 | Mobilization & Demobilization | 1 | LS | \$60,000.00 | \$60,000.00 | | | |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$140.00 | \$140.00 | | | |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$2,100.00 | \$2,100.00 | | | |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$19,700.00 | \$19,700.00 | | | |
| | Pot hole to verify all necessary existing utilities and other to construct water and sewer | | | · · · | | | | |
| 5 | line | 1 | LS | \$28,000.00 | \$28,000.00 | | | |
| 6 | Construction Signs | 1 | LS | \$2,400.00 | \$2,400.00 | | | |
| 7 | Traffic Control | 1 | LS | \$42,000.00 | \$42,000.00 | | | |
| 8 | Saw-Cut AC | 5,000 | LS | \$4.50 | \$22,500.00 | | | |
| | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$4.75 | \$66,500.00 | | | |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,050.00 | \$3,150.00 | | | |
| 11 | Remove and discard existing utility pole | 4 | EA | \$1,120.00 | \$4,480.00 | | | |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$3,700.00 | \$3,700.00 | | | |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$19,000.00 | \$19,000.00 | | | |
| 10 | conduit, electrical wire and all fittings needed to reconnect power to billboard | Ι | LO | ψ13,000.00 | φ19,000.00 | | | |
| 14 | Remove and reinstall existing fence | 150 | LF | \$28.00 | \$4,200.00 | | | |
| 15 | Restore existing AC Driveway | 10 | EA | \$2,205.00 | \$22,050.00 | | | |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$2,100.00 | \$4,200.00 | | | |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$6.30 | \$25,200.00 | | | |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$4,750.00 | \$9,500.00 | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$6,500.00 | \$6,500.00 | | | |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$1,850.00 | \$1,850.00 | | | |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,450.00 | \$7,350.00 | | | |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$6,050.00 | \$72,600.00 | | | |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$9,500.00 | \$9,500.00 | | | |
| 24 | Deleted Item | | | | | | | |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$3,066.00 | \$18,396.00 | | | |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | · · · · · · · · · · · · · · · · · · · | | | | |
| 26 | X Pavement Markers | 1 | EA | \$6,170.00 | \$6,170.00 | | | |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$13,000.00 | \$13,000.00 | | | |
| 21 | i Tovide and install to sewel gate valve with valve box, lid and thig | I | | ψ13,000.00 | φ10,000.00 | | | |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$4,925.00 | \$14,775.00 | | | |
| | | | | *=7 000 00 | * = 7 000 00 | | | |
| | Pressure test and disinfect water main | 1 | LS | \$57,600.00 | \$57,600.00 | | | |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$7,000.00 | \$7,000.00 | | | |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$12,900.00 | \$12,900.00 | | | |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$124.00 | \$31,000.00 | | | |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | | | | |
| | Fusible PVC (D.I.P.S) Pipe DR-25 | | | | | | | |
| 33 | 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$97.00 | \$170,720.00 | | | |
| 00 | fusion welded and trench back fill (Check appropriate box) | 1100 | <u> </u> | φ07.00 | \$110,120.00 | | | |
| | idision weided and trench back in (check appropriate box) | | | | | | | |
| 0.4 | Dalatad Itana | | | | | | | |
| 34 | Deleted Item | | | | | | | |
| | ► PVC DR-18 | | | | | | | |
| | Ductile Iron Pipe Class-200 | | | | | | | |
| | 124 inch Water Line, includes all fittings, thrust blocks, pine restraints, and trench book | 11 600 | | \$119.00 | \$1,389,920.00 | | | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | * | | | | |
| 35 | fill (Check appropriate box) | 11,000 | LF | •••••• | | | | |
| 35 | | 11,000 | LF | | | | | |
| 35 | | 11,000 | | | | | | |
| 35 | fill (Check appropriate box) PVC DR-18 | 11,000 | | | | | | |
| | fill (Check appropriate box) PVC DR-18 ► Ductile Iron Pipe Class-150 | | | | \$198.000.00 | | | |
| 35 36 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$220.00 | \$198,000.00 | | | |
| | fill (Check appropriate box) PVC DR-18 ► Ductile Iron Pipe Class-150 | | | | \$198,000.00 | | | |
| 36 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$220.00 | | | | |
| 36 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service | 900 | LF | \$220.00 | \$7,860.00 | | | |
| 36 <u>37</u> 38 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service | 900 60 60 | LF LF LF | \$220.00 \$131.00 \$176.00 | \$7,860.00 \$10,560.00 | | | |
| 36 37 38 39 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 900 60 60 3 | LF LF LF EA | \$220.00 \$131.00 \$176.00 \$7,040.00 | \$7,860.00 \$10,560.00 \$21,120.00 | | | |
| 36 37 38 39 40 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 900 60 60 | LF LF LF EA SY | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 | | | |
| 36 37 38 39 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants | 900 60 60 3 | LF LF LF EA | \$220.00 \$131.00 \$176.00 \$7,040.00 | \$7,860.00 \$10,560.00 \$21,120.00 | | | |
| 36 37 38 39 40 41 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street | 900 60 60 3 4,980 1 | LF LF EA SY LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 | | | |
| 36 37 38 39 40 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 900 60 60 3 4,980 | LF LF LF EA SY | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 | | | |
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| 36 37 38 39 40 41 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 900 60 60 3 4,980 1 | LF LF EA SY LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 | | | |
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| 36 37 38 39 40 41 42 43 44 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 900 60 60 3 4,980 1 1 1 1 1 | LF LF EA SY LS LS LS LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 \$53,000.00 \$44,565.00 \$48,975.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 \$53,000.00 \$44,565.00 \$48,975.00 | | | |
| 36 37 38 39 40 41 42 43 44 | fill (Check appropriate box) PVC DR-18 ▶ Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 900 60 60 3 4,980 1 1 1 1 1 | LF LF EA SY LS LS LS LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 \$53,000.00 \$44,565.00 \$48,975.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 \$53,000.00 \$44,565.00 \$48,975.00 | | | |
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| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | fill (Check appropriate box) PVC DR-18 ▶Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring | 900 60 60 3 4,980 1 1 1 1 265 265 3 3 3 1 | LF LF EA SY LS LS LS LS LS LS LS LS LS LS LS LS LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$44,565.00 \$447.00 \$585.00 \$5,130.00 \$415.00 \$3,700.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$48,975.00 \$118,455.00 \$115,025.00 \$15,390.00 \$1,245.00 \$3,700.00 | | | |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | fill (Check appropriate box) PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 1½" water service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main | 900 60 60 3 4,980 1 1 1 1 265 265 265 3 3 1 1 1 | LF LF EA SY LS LS LS LS LS LS LS LS LS LS LS LS LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$44,565.00 \$447.00 \$585.00 \$5,130.00 \$415.00 \$3,700.00 \$21,430.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$48,975.00 \$118,455.00 \$118,455.00 \$155,025.00 \$15,390.00 \$1,245.00 \$3,700.00 \$21,430.00 | | | |
| 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 | fill (Check appropriate box) PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) Provide and install a 1½" water service Provide and install a 10" fire service Remove and replace existing Fire Hydrants Slurry seal entire width of street Pavement striping and markers Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District Christy G5 box and grade ring for water bends Provide and Install 18" butterfly valve with valve box, lid and ring Re-route 6" SSFM under proposed 24-inch water main Remove & Relocate existing ARV | 900 60 60 3 4,980 1 1 1 1 265 265 265 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 | LF LF EA SY LS LS LS LS LS LS LS LS LS LS LS LS LS | \$220.00 \$131.00 \$176.00 \$7,040.00 \$4.50 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$44,565.00 \$44,7.00 \$447.00 \$585.00 \$5,130.00 \$415.00 \$3,700.00 \$1,200.00 | \$7,860.00 \$10,560.00 \$21,120.00 \$22,410.00 \$19,000.00 \$53,000.00 \$44,565.00 \$44,565.00 \$48,975.00 \$118,455.00 \$118,455.00 \$155,025.00 \$15,390.00 \$1,245.00 \$3,700.00 \$21,430.00 | | | |

TOTAL BASE BID: \$2,920,796.00

Engineers Estimate \$1,600,000 January 24, 2013

A & B Construction, San Francisco

| ITEM | | BID | | UNIT | TOTAL |
|----------------|---|----------|----------|--------------------------|--------------------------|
| NO. | ITEM DESCRIPTION | QTY | UNIT | COST | COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$140,000.00 | \$140,000.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$1,000.00 | \$1,000.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$5,000.00 | \$5,000.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$13,000.00 | \$13,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$19,000.00 | \$19,000.00 |
| | line | | | . , | |
| 6 | Construction Signs | 1 | LS | \$2,500.00 | \$2,500.00 |
| 7 | Traffic Control | 1 | LS | \$13,000.00 | \$13,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$3.50 | \$17,500.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$10.00 | \$140,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 4 | EA | \$1,300.00 | \$3,900.00 |
| 11 12 | Remove and discard existing utility pole Provide & Install NEMA enclosure Type 3R for PG&E meter | 4 | EA LS | \$2,000.00 \$4,500.00 | \$8,000.00 \$4,500.00 |
| | Disconnect existing overhead power line to billboard and provide underground | I | | φ 4,300.00 | |
| 13 | conduit, electrical wire and all fittings needed to reconnect power to billboard | 1 | LS | \$28,000.00 | \$28,000.00 |
| 14 | Remove and reinstall existing fence | 150 | LF | \$32.00 | \$4,800.00 |
| 15 | Restore existing AC Driveway | 100 | EA | \$3,200.00 | \$32,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$7,000.00 | \$14,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$10.00 | \$40,000.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$8,500.00 | \$17,000.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$10,000.00 | \$10,000.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,800.00 | \$2,800.00 |
| 20 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$3,200.00 | \$9,600.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$7,700.00 | \$92,400.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$15,000.00 | \$15,000.00 |
| 23 | Deleted Item | • | | + . 0,000.00 | ÷:0,000.00 |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$7,500.00 | \$45,000.00 |
| | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | | | | |
| 26 | X Pavement Markers | 1 | EA | \$10,000.00 | \$10,000.00 |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$19,000.00 | \$19,000.00 |
| 20 | | 0 | | | |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$5,000.00 | \$15,000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$20,000.00 | \$20,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$10,000.00 | \$10,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$30,000.00 | \$30,000.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$130.00 | \$32,500.00 |
| | Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| | Fusible PVC (D.I.P.S) Pipe DR-25 | | | | |
| 33 | 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, | 1760 | LF | \$120.00 | \$211,200.00 |
| | fusion welded and trench back fill (Check appropriate box) | | | | |
| | | | | | |
| 34 | Deleted Item | | | | |
| | PVC DR-18 | | | | |
| | Ductile Iron Pipe Class-200 | | | | |
| 35 | 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back | 11,680 | LF | \$145.00 | \$1,693,600.00 |
| | fill (Check appropriate box) | | | | |
| | | | | | |
| | PVC DR-18 | | | | |
| | Ductile Iron Pipe Class-150 | | | | |
| 36 | 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back | 900 | LF | \$160.00 | \$144,000.00 |
| | fill (Check appropriate box) | | | | |
| | | | | | |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$90.00 | \$5,400.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$160.00 | \$9,600.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$6,400.00 | \$19,200.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$5.00 | \$24,900.00 |
| 41 | Pavement striping and markers | 1 | LS | \$8,500.00 | \$8,500.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$38,000.00 | \$38,000.00 |
| 74 | HWY-99 crossing | - | | <i>400,000.00</i> | φ00,000.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$60,000.00 | \$60,000.00 |
| +0 | 30-inch steel casing at UPRR crossing | - | | Ψ00,000.00 | <i></i> |
| 44 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$60,000.00 | \$60,000.00 |
| | 42-inch steel casing at UPRR crossing | | | + , | ÷==,==0.00 |
| | Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | | | *** | |
| 45 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill | 265 | LF | \$520.00 | \$137,800.00 |
| | annular space with sand. | | | | |
| | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch | e | | **** | |
| 46 | carrier pipe with all needed appurtenances including skids, restraints, seal ends of | 265 | LF | \$720.00 | \$190,800.00 |
| | casing and fill annular space with sand. | | | | |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, | 3 | EA | \$12,500.00 | \$37,500.00 |
| | unless special arrangements are made with the District | | | | |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$650.00 | \$1,950.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$11,500.00 | \$11,500.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$10,000.00 | \$10,000.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$3,800.00 | \$3,800.00 |
| 52 | Temporary 6" AB Class II shoulder | 18 | CY | \$320.00 | \$5,760.00 |
| | | | | | |
| 52 53 54 | Remove & dispose of existing concrete pads Remove, lower and reconnect existing 12" SD Lateral | 1 1 | LS LS | \$1,300.00 \$6,500.00 | \$1,300.00 \$6,500.00 |

TOTAL BASE BID: <u>\$3,495,810.00</u>

Engineers Estimate \$1,600,000 January 24, 2013

HPS Mechanical Inc., Bakersfield

| 1 | | B 15 | | | |
|-------------|--|-------------|------|--------------|-------------------|
| ITEM NO. | ITEM DESCRIPTION | BID QTY | UNIT | UNIT COST | TOTAL COST |
| 1 | Mobilization & Demobilization | 1 | LS | \$105,720.00 | \$105,720.00 |
| 2 | File Notice of Intent (N.O.I) & Notice of Termination (N.O.T) | 1 | LS | \$100.00 | \$100.00 |
| 3 | Site GradingPermit Preparation and fees (SWPPP) | 1 | LS | \$500.00 | \$500.00 |
| 4 | Provide and Install Stormwater Pollution Controls (SWPPP) | 1 | LS | \$3,000.00 | \$3,000.00 |
| 5 | Pot hole to verify all necessary existing utilities and other to construct water and sewer | 1 | LS | \$26,000.00 | \$26,000.00 |
| 5 | line | | | . , | - |
| 6 | Construction Signs | 1 | LS | \$5,000.00 | \$5,000.00 |
| 7 | Traffic Control | 1 | LS | \$52,000.00 | \$52,000.00 |
| 8 | Saw-Cut AC | 5,000 | LF | \$1.20 | \$6,000.00 |
| 9 | Trench Patch (4"AC/4"AB) | 14,000 | SF | \$12.00 | \$168,000.00 |
| 10 | Hold existing utility pole in place while trenching for water line | 3 | EA | \$1,500.00 | \$4,500.00 |
| 11 | Remove and discard existing utility pole | 4 | EA | \$100.00 | \$400.00 |
| 12 | Provide & Install NEMA enclosure Type 3R for PG&E meter | 1 | LS | \$6,680.00 | \$6,680.00 |
| 13 | Disconnect existing overhead power line to billboard and provide underground | 1 | LS | \$15,000.00 | \$15,000.00 |
| | conduit, electrical wire and all fittings needed to reconnect power to billboard | | | | |
| 14 | Remove and reinstall existing fence | 150 | LF | \$35.00 | \$5,250.00 |
| 15 | Restore existing AC Driveway | 10 | EA | \$3,500.00 | \$35,000.00 |
| 16 | Restore existing Concrete Driveway | 2 | EA | \$7,000.00 | \$14,000.00 |
| 17 | Remove existing shoulder pavement and repave in-kind | 4000 | SF | \$4.70 | \$18,800.00 |
| 18 | Connect to Existing 12" Water Stub | 2 | EA | \$2,600.00 | \$5,200.00 |
| 19 | Connect to Existing 24" Water Stub, remove blind flange | 1 | EA | \$1,800.00 | \$1,800.00 |
| 20 | Provide and Install 10" gate valve with valve box, lid and ring | 1 | EA | \$2,200.00 | \$2,200.00 |
| 21 | Provide and Install 12" gate valve with valve box, lid and ring | 3 | EA | \$2,650.00 | \$7,950.00 |
| 22 | Provide and Install 24" butterfly valve with valve box, lid and ring | 12 | EA | \$7,440.00 | \$89,280.00 |
| 23 | Provide and Install 30" butterfly valve with valve box, lid and ring | 1 | EA | \$14,200.00 | \$14,200.00 |
| 24 | Deleted Item | ~ | | ¢4.000.00 | <u>ФОЕ 000 00</u> |
| 25 | Air-Release valves per STD Detail W-18 | 6 | EA | \$4,300.00 | \$25,800.00 |
| 26 | Provide and Install commercial fire hydrant and assembly with 4 traffic bollards, Type | 1 | EA | \$7,400.00 | \$7,400.00 |
| 07 | X Pavement Markers | - | | | |
| 27 | Provide and Install 18" sewer gate valve with valve box, lid and ring | 1 | EA | \$15,980.00 | \$15,980.00 |
| 28 | Provide and Install sanitary sewer manhole for future ARV per 'Detail C' on Sheet 13 | 3 | EA | \$2,820.00 | \$8,460.00 |
| 00 | Des serves dans and disinfered contant as sin | 4 | | <u> </u> | ¢47.000.00 |
| 29 | Pressure test and disinfect water main | 1 | LS | \$17,000.00 | \$17,000.00 |
| 30 | Provide interim water line connection to 12" water main | 1 | LS | \$10,000.00 | \$10,000.00 |
| 31 | Provide interim water line connection to 24" water main | 1 | LF | \$22,230.00 | \$22,230.00 |
| 32 | Remove and Replace existing 12-inch water main | 250 | LF | \$66.00 | \$16,500.00 |
| | ► Fusible HDPE (D.I.P.S) DR-21 or | | | | |
| 33 | Fusible PVC (D.I.P.S) Pipe DR-25 18-inch Sewer Force Main Line, includes all fittings, thrust blocks, pipe restraints, fusion welded and trench back fill (Check appropriate box) | 1760 | LF | \$96.00 | \$168,960.00 |
| 34 | Deleted Item | | | | |
| 34 | ► PVC DR-18 | | | | |
| 35 | Ductile Iron Pipe Class-200 24-inch Water Line, includes all fittings, thrust blocks, pipe restraints, and trench back fill (Check appropriate box) | 11,680 | LF | \$184.00 | \$2,149,120.00 |
| 36 | ► PVC DR-18 Ductile Iron Pipe Class-150 30-inch Water Line, includes all fittings, thrust blocks, pipe restraints and trench back fill (Check appropriate box) | 900 | LF | \$310.00 | \$279,000.00 |
| 37 | Provide and install a 1 ¹ / ₂ " water service | 60 | LF | \$40.00 | \$2,400.00 |
| 38 | Provide and install a 10" fire service | 60 | LF | \$120.00 | \$7,200.00 |
| 39 | Remove and replace existing Fire Hydrants | 3 | EA | \$3,900.00 | \$11,700.00 |
| 40 | Slurry seal entire width of street | 4,980 | SY | \$8.60 | \$42,828.00 |
| 41 | Pavement striping and markers | 1 | LS | \$21,200.00 | \$21,200.00 |
| 42 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the HWY-99 crossing | 1 | LS | \$79,150.00 | \$79,150.00 |
| 43 | Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the 30-inch steel casing at UPRR crossing Excavate Jack-and-Bore pits, set shoring, equipment needed, and backfill pits for the | 1 | LS | \$40,000.00 | \$40,000.00 |
| 44 | 42-inch steel casing at UPRR crossing Provide and Jack-and-Bore a 30-inch steel casing (0.5000" Thickness), install 18-inch | 1 | LS | \$40,000.00 | \$40,000.00 |
| 45 | carrier pipe with all needed appurtenances including skids, seal ends of casing and fill annular space with sand. | 265 | LF | \$450.00 | \$119,250.00 |
| 46 | Provide and Jack-and-Bore a 42-inch steel casing (0.5625" Thickness), install 24-inch carrier pipe with all needed appurtenances including skids, restraints, seal ends of casing and fill annular space with sand. | 265 | LF | \$734.00 | \$194,510.00 |
| 47 | SSJID pipe crossing shall be accomplished between October 15 & February 15, unless special arrangements are made with the District | 3 | EA | \$4,700.00 | \$14,100.00 |
| 48 | Christy G5 box and grade ring for water bends | 3 | EA | \$460.00 | \$1,380.00 |
| 49 | Provide and Install 18" butterfly valve with valve box, lid and ring | 1 | EA | \$10,260.00 | \$10,260.00 |
| 50 | Re-route 6" SSFM under proposed 24-inch water main | 1 | LS | \$2,500.00 | \$2,500.00 |
| 51 | Remove & Relocate existing ARV | 1 | EA | \$2,330.00 | \$2,330.00 |
| | Temporary 6" AB Class II shoulder | 18 | CY | \$25.00 | \$450.00 |
| 52 | | | | | |
| 52 53 | Remove & dispose of existing concrete pads | 1 | LS | \$560.00 | \$560.00 |

TOTAL BASE BID: \$3,900,148.00