



CITY OF PETALUMA

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ADDENDUM NO. 3

First and F Street Bridge Replacement Project City Project Number C16402141

November 15, 2021

This Addendum No. 3 modifies the Bidding Documents for the First and F Street Bridge Replacement Project C16402141. This Addendum shall become part of the Contract and all provisions of the Contract shall apply thereto. Bidders shall acknowledge all Addendums in the Bid Schedule.

RESPONSE TO QUESTIONS

Question 1: Two questions on Trench Dewatering: 1) Plan sheet C-7 indicates that trenches for abutment construction can be dewatered to the adjacent SSMH. In the pre-bid meeting, it was discussed that the Contractor needed to truck trench dewatering to the treatment plant. Can you please clarify if water from trench dewatering can be discharged to the adjacent SSMH or if the contractor needs to truck the water? 2) Will the Contractor be charged a fee to discharge in the sanitary sewer system?

Response 1: The information presented on sheet C-7 indicating approval to dispose of trench groundwater dewater to the adjacent Sanitary Sewer Man Hole (SSMH) is out of date and may no longer be accurate. This sheet will be re-issued as a conform set. Please also see Responses in Bid Amendment #2.

The City of Petaluma Wastewater Treatment Plant treats and makes recycled water available to the community for irrigation. The Ellis Creek Treatment Plant has established limits on salinity because of this of 1.0 Mmhos, as measured as specific conductance or conductivity. Although groundwater salinity information specific to the project site is not available, based on measured groundwater salinities in adjacent areas, the site groundwater will likely exceed this salinity acceptance limit. This will not be accurately known until the working trench is opened and water is sampled and tested by the Engineer.

As discussed in Bid Amendment #2, the Contractor will likely need to pump the trench dewater to a settlement and holding tank and truck the groundwater off site to a Treatment Facility such as the City of Santa Rosa Laguna Treatment Plant. This the Base Bid item.

The Dewatering Technical Specifications in the Bid Documents has been replaced and substituted with the revised Dewatering Technical Specifications, which is included with this Bid Addendum. Changes are highlighted in **Red**, including changes to Measurement and Payment.

Teresa Barrett
Mayor

Brian Barnacle
D'Lynda Fischer
Mike Healy
Dave King
Kevin McDonnell
Dennis Pocekay
Councilmembers

Public Works & Utilities

City Engineer
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For purposes of Bidding, and Measurement and Payment, initial Bid Schedule Item # 6 (Dewatering) will be split into three Bid Schedule items in the Bid Schedule Addendum #3 issued with this Bid Addendum. Bid Item #6 will cover Dewater Plan preparation, Bid Schedule Item #7 will cover all work associated with sheet pile installation, removal and restoration and all other means necessary to isolate the site from tidal inflow and the installation of a coffer dam, pump, and by-pass line to pump any base flow water coming down Thompson Creek storm drain around and downstream of the project site. This is a Lump Sum Bid item. Bid Schedule Item 8 will be the Lump Sum costs for trench dewatering, including pumps, settlement, and storage tank, off haul trucking, and disposal, including disposal plant fees. This is also a Lump Sum Bid Item.

To address the possibility of the trench groundwater having acceptable water quality for disposal at the City of Petaluma Ellis Creek Treatment Plant, a new Alternate Bid #2 is shown on the Addendum #3 Bid Schedule. This will be the reduction in Lump Sum costs as a credit to Bid Item #8, representing the lower costs from groundwater disposal to the adjacent SSMH, and not off haul trucking.

The City of Petaluma will waive the trench water disposal fees should the disposal of trench dewater to the adjacent SSMH be acceptable. We understand the City of Santa Rosa Laguna Treatment Plant fee for disposal of wastewater trucked into the Plant and disposed of at their head-works is \$20 per 1,000 gallons. The Contractor is responsible for determining this fee and paying the disposal fees as a part of their Bid.

Question 2: Addendum 2 Bid Schedule has a potential problem with the bid items. Drainage System on the Bid Schedule after item #20 has no bid item number nor quantity.

Response 2: The line after Bid Schedule Addendum #1 - Item #20- "Drainage system" was inadvertently and incorrectly broken off of the Bid Item; the word "Drainage system" is a part of Bid Item #20, not a new Bid item. The correct Bid item name and description is Grade Beam Drainage System -2 each (EA). On Addendum #3 Bid Schedule this is now Bid Item 22.

Note that several of the Bid Schedule item numbers have changed in Bid Addendum No. 3 as a result of revisions to the way Dewatering is Measured and Paid. Note also that Bid Item No. 17 "Pile cap grade beam grade" in Bid Addendum #3 has been revised to show the Bid Measurement and Payment as 2 each (EA) for the quantity, with the Total Price based on furnishing two (2) grade beams.

Question 3: Battered Drilled Displacement Piles: a drilling subcontractor has determined (in their opinion) that the project may require a temporary trestle over the channel to install the battered 20" displacement piles. They indicated that a typical drill rig required to install these size piles only allows a 5° forward mast inclination, and a 15° backward mast inclination. This means (according to their analysis) that the drill rig needs to face the piles from a temporary trestle constructed over the channel so that the mast can be inclined backwards to achieve the desired pile batter for installation. Has the City considered the cost of trestle access in establishing their Engineer's estimate? The budget for the job looks (to them) inadequate given that trestle access may be required for pile installation.

Response 3: Contractor to provide necessary means statement to construct drilled piers as shown on the plan set. In the case that the contractor does not have the long reach drill rig equipment with angle capability to install piles from the top of ground surface, a temporary structure would need to be designed (by others) to place the drill rig over the existing bridge structure. Although a trestle to install the piles is not anticipated, it would be acceptable in concept if designed by a California Registered Civil Engineer and approved by the City. Alternate concepts to strengthen, modify, or span over the existing bridge framing to install the piers from above the roadway deck are also acceptable in concept. Plans and calculations for any temporary shoring work required to install the piles shall be submitted for review with the drilling methods statement.

Note that additional temporary piles placed on the channel bottom and within waters of the United States or the State of California are not specifically included in the regulatory permit conditions. The Contractor would need to work with the City to amend the regulatory permits to allow this. There is no guarantee that the regulatory agencies would allow this, if there are other technical options available to the Contractor that avoids use of temporary piles. This proposed approach using a temporary trestle for Battered pile installation is Bid at the sole risk of the Contractor.

Question 4: For temporary trestle construction: is pile driving allowed with conventional equipment (diesel hammer or vibratory hammer) for temp trestle piling?

Response 4: Driving piles using a conventional diesel impact pile driver will not be allowed because of potential noise and vibration impacts to adjacent businesses and residential units. Vibrating has less impact on adjacent facilities/structures and is acceptable, if allowed by regulatory agencies, as noted in the above response.

Question 5: Bid Item 17, says *Furnish & Install 42" Bridge Railing @ 52 LF*. However, Plan sheet S2.3 clearly shows the length of bridge railing on the river side of the Arch at a takeoff quantity of 26 LF

Response 5: Bid Schedule (Bid Addendum #3) Bid Item 17 is revised to 26 LF.

This Addendum No. 3, which includes a revised Bid Schedule and revised Dewatering Technical Specification, shall become part of the Contract and all provisions of the Contract shall apply thereto. Bidders shall acknowledge all Addendums in the Bid Schedule.

All other items of the documents shall remain unchanged. **A signed copy of this Addendum and the attached acknowledgement form shall be attached to the bid proposal. Failure to do so may cause rejection of your bid as being non-responsive.**

Bids will be emailed into the City Clerk, and original copies of the sealed bids will be mailed in.

City of Petaluma,



Ken Eichstaedt, P.E. T.E.
Senior Traffic Engineer
Public Works & Utilities Department

ADDENDUM NO. 3

**FIRST AND F STREET BRIDGE REPLACEMENT PROJECT
City Project Number C16402141**

November 15, 2021

ACKNOWLEDGEMENT

Receipt of Addendum No. 3 is hereby acknowledged by _____
(Contractor's Name)

on the _____ day of _____, 2021.

By: _____
Signature

Title

Company

**SECTION 28
DE-WATERING**

28.A GENERAL

Dewatering work shall conform to applicable laws, statutes, and environmental permit provisions, and the provisions of Section 19-3, "Structure Excavation and Backfill," of the Standard Specifications and these Special Provisions.

DESCRIPTION OF WORK

The CONTRACTOR shall prepare a Dewatering Work Plan for review and approval by ENGINEER. Dewatering consists of isolating work areas from downstream tidal inflow, upstream stormwater and drainage inflow, and groundwater inflow using ~~a~~ sheetpiles, coffer dam, sand bag and visqueen dam and downstream pump discharge for surface flow diversions, or other device as allowed by regulatory permits and as approved by the ENGINEER. This includes collecting and managing and discharging accumulated storm water, groundwater, or surface water from excavations or temporary containment facilities. Excavation below the groundwater table will be required. ~~Discharge may be made to the CITY's Sanitary Sewer System if approved by CITY, CONTRACTOR is responsible for sanitary sewer discharge permit application and all applicable discharge fees. The required dewatering work also includes pumping groundwater encountered in construction trenches to an on-site storage and sediment settling tank, and off hauling the pumped, stored, and settled groundwater to an approved wastewater treatment plant, such as the Laguna plant operated by the City of Santa Rosa.~~

The CONTRACTOR shall not lay claim against the CITY for damages by surface and/or ground water flows to his work, property, or materials.

Prior to beginning any work requiring demolition and excavation or trenching, the CONTRACTOR shall construct dewatering systems in areas requiring excavation and trenching below the groundwater water level and in areas ~~of fill~~ within the channel where fill will be placed and compacted, or structures placed. To accomplish the dewatering, the CONTRACTOR may use, but is not limited to, sheetpiles, well point systems, pumping sumps, bypasses, and/or cofferdams. The CONTRACTOR shall use ~~their his~~ own judgment in designing and implementing the required de-watering systems. In any event, the CONTRACTOR shall not lay claim against the CITY for damages caused by surface water or groundwater flows to ~~their his~~ work, property, or materials. The CONTRACTOR shall comply with all applicable laws, statutes, and regulatory permit provisions with regards to the de-watering systems.

The CONTRACTOR is required to design, furnish, install, test, operate, monitor and maintain dewatering systems of sufficient scope, size and capacity to control surface water and groundwater flow into excavations to permit construction to proceed on relatively dry, stable subgrades. It is the CONTRACTOR's responsibility to verify Site conditions and install dewatering systems capable of achieving groundwater and water control. Any water collected from the de-watering system shall be filtered, treated, and

cleaned, prior to releasing into any drainage system, if required to ~~and~~ meet regulatory permit requirements. The CONTRACTOR shall provide equipment such as FRAC tanks (Baker tanks) to accomplish required settlement, filtering, treatment, and cleaning of the water prior to off haul to the approved wastewater treatment plant. ~~discharge into any natural drainage system.~~

~~The CONTRACTOR shall maintain the work site in a de-watered condition. No work shall begin until the de-watering systems have been installed and such installation has been approved by the ENGINEER.~~

~~If dewatering and discharging activities are specified under a work item such as "Temporary Active Treatment System" or "Dewatering and Discharge," perform dewatering work as specified in the section involved.~~

If dewatering and discharging activities are not specified under a work item and the CONTRACTOR will be performing dewatering activities, the CONTRACTOR must:

1. Submit a Dewatering and Discharge Plan under Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications and "Water Pollution Control" of these special provisions at least 10 calendar days before starting dewatering activities. The Dewatering and Discharge Plan must include:
 - 1.1. Title sheet and table of contents
 - 1.2. Description of dewatering and discharge activities detailing locations, quantity of water, equipment, ~~and~~ discharge points, and site storage and off haul trucking schedule.
 - 1.3. Estimated schedule for dewatering and discharge (start and end dates, intermittent or continuous)
 - 1.4. ~~Discharge alternatives such as dust control or percolation~~
 - 1.5. Visual monitoring procedures with inspection log and log of pumping activities and off haul volumes.
2. Conduct dewatering activities under the Caltrans' "Field Guide for Construction Dewatering."
3. Ensure that any dewatering discharge does not cause erosion, scour, or sedimentary deposits that could impact natural bedding materials.
4. Discharge the surface by-pass water within the project limits. Dispose of the water in the same way as specified for material in Section 7-1.13 "Disposal of Material Outside the Highway Right of Way" of the Standard Specification if it cannot be discharged within project limits due to site constraints.
5. Do not discharge storm water or non-stormwater that has an odor, discoloration other than sediment, an oily sheen, or foam on the surface. Notify the ENGINEER immediately upon discovering any such condition.

~~The WPC manager must inspect dewatering activities:~~

- ~~1. Daily when dewatering work occurs daily~~

~~2.—Weekly when dewatering work does not occur daily~~

28.B INSTALLATION

1. Install dewatering, including sheet piling, coffer dams and bypass pipe systems complete with equipment, standby power and pumps, ~~filter material gradation~~, valves, appurtenances, water storage tanks and off haul tanker disposal trucks, and surface-water controls and discharge systems.
2. Before excavating or demolition work in the channel and adjacent area and below the groundwater table, place systems into operation and verify the dewatering is/or will be effective.
3. Provide an adequate system to:
 - a. Lower and control ground water, tidal inflow, and upstream surface flow to permit excavation, placement and compaction of fill and concrete materials on design subgrades.
 - b. Prevent or control runoff of water from soil stockpile areas.
 - c. Prevent or control runoff to adjacent properties to mitigate potential detrimental impacts.
 - d. Do not employ open-sump pumping that leads to loss of fines, soil piping, subgrade softening, and/or slope instability.
4. Dispose of water removed by dewatering in a manner that avoids endangering public health, property, and portion of work under construction or completed. Dispose of water in a manner that avoids inconvenience to others. Provide sumps, sedimentation tanks as needed, and other flow-control devices as required by regulatory authorities having jurisdiction or as required to meet the specifications.
5. Discharge the water within the project limits, ~~as described provided testing results comply with the requirements set forth in the Construction General Permit Order 2012-0006 DWQ; Water Quality Objectives for surface waters required by the San Francisco Bay Basin (Region 2) Water Quality Plan, RWQCB, 2007 (Basin Plan, SFRWQCB); and the Effluent Limits for discharge to open waters established by the National Pollution Discharge Elimination System (NPDES) an in d the SF Bay Regional Board Section 401 permit and the Calif. Dept. of Fish and Wildlife -Lake and Streambed Alteration Agreement~~, as provided in the Appendix. -
6. Provide standby equipment on-site, installed and/or readily -available for immediate operation, to maintain dewatering on continuous basis if any part of system becomes inadequate or fails. If dewatering requirements are not satisfied due to inadequacy or failure of dewatering system, restore damaged structures and soils at no additional expense to -CITY.
7. Remove dewatering and bypass systems from Project site on completion of bypass and dewatering operations. If applicable, plug or fill well holes with bentonite-cement grout under the observation and with the approval of City of Petaluma, or - as specified in the CONTRACTOR's permit.

28.C TESTING

~~Any testing needed (including sampling and laboratory analysis) will be conducted by the City of Petaluma.~~

~~Regulatory Requirements: Test water prior to any approved discharge to surface waters to ensure it complies with the requirements set forth in the Construction General Permit Order 2012-0006-DWQ; Water Quality Objectives for surface waters required by the San Francisco Bay Basin (Region 2) Water Quality Plan, RWQCB, 2007 (Basin Plan, SFRWQCB); and the Effluent Limits for discharge to open waters established by the National Pollution Discharge Elimination System (NPDES).~~

~~Any and all wastewater sample analytical data collected per the Site NPDES Permit and/or dust control parameters must be presented to and reviewed by the ENGINEER prior to discharge or dust control usage.~~

~~Water collected from de-watering system shall be tested prior to initial discharge to surface waters. The ENGINEER shall be notified at least five working days prior to initial sampling. Sampling activities will occur prior to initial discharge by collecting a baker tank sample from the influent and effluent locations. The effluent will be sampled from a sample port while discharging into an above ground container. Initial tests would include sampling both the influent and effluent. Another effluent only sample will be collected 5 days after the initial sample. Subsequently, for the remaining four months, only effluent samples shall be taken on a monthly basis. A total of seven samples shall be taken from the de-watering system and tested for all sample analytical parameters listed below.~~

~~All laboratory samples will be analyzed within a 24 hour turn around time, and the sample analytical results will be submitted to the ENGINEER for review immediately upon receipt of laboratory analysis. The effluent will be held in a container until the sample results are submitted to the ENGINEER for review.~~

~~Sample Analytical Parameters for Surface Water Discharge~~

- ~~• Total Petroleum Hydrocarbons as gasoline, diesel and motor oil using EPA Method 8015M. Diesel and motor oil analysis shall include silica gel clean up.~~
- ~~• Volatile organic compounds using EPA Method 8260B.~~
- ~~• Title 22 metals analyzed for dissolved metals, using EPA Method 6010.~~
- ~~• Turbidity and pH using field meters.~~

~~Payment for this testing shall be included in the lump sum price bid for DE-WATERING~~

- ~~1. The complete list of equipment necessary for the dewatering program and associated technical specifications;~~
- ~~2. Calculations justifying the efficacy of the dewatering program (i.e. capacities, flow rates, etc.);~~

- ~~3. Provisions for the bypass water intake to be equipped with mesh screening as required by permits to prevent the intake of aquatic life;~~
- ~~4. Estimated schedule for dewatering and discharge (start and end dates, intermittent or continuous); the schedule must address performing de-watering in a manner that meets the project construction schedule;~~
- ~~5. Discharge locations;~~
- ~~6. Visual monitoring procedures with inspection log performed at a minimum weekly frequency; and,~~
- ~~7. Provisions for all water collected from de-watering in excavation areas to be filtered prior to releasing into any drainage system. The CONTRACTOR shall provide equipment such as baker tanks including hydrocarbon filtration units (minimum requirements described above) to accomplish filtering of the water.~~

28.D CONSTRUCTION

Dewatering activities shall be conducted according to the Caltrans' "Field Guide for Construction Dewatering".

~~Due to the length and sequencing of the project, multiple dewatering and bypass systems will be required to operate concurrently.~~ No work below the groundwater level or no filling or construction work within the channel shall begin until the de-watering and bypass systems have been installed, such installation has been approved by the ENGINEER, and the dewatering and bypass systems have been shown to be effective in maintaining relatively dry, stable subgrades within the excavation depths and have lowered the groundwater level to maintain conditions suitable for construction as approved by the Engineer ~~minimum of two feet of unsaturated soil between the subgrade and the groundwater level.~~

The work area shall be prepared and the dewatering work performed to protect structures, utilities, sidewalks, pavements, other facilities and the channel from damage caused by settlement, lateral movement, undermining, washout, and other damages created by dewatering operations.

Submittals

The CONTRACTOR shall submit a Dewatering Plan at least within 14 calendar days of execution of the construction contract by the CONTRACTOR, and allow 7 calendar days for the ENGINEER's review and approval. The Dewatering Plan shall include locations of proposed filtration, treatment and cleaning equipment. The Dewatering Plan shall include locations of sheet pile and sandbag/visqueen coffer dams, wellpoints, pumps and discharge lines or other dewatering equipment ~~(if used)~~.

Execution

The shoring shall control groundwater inflows and shall extend to no less than 3 feet below the bottom of the excavation, including any required overexcavation.

The area within the limits of excavation and/or trench shoring shall be de-watered to ~~3 feet~~ below the bottom of the excavation to provide working conditions free of detrimental water, or to the ENGINEER's satisfaction.

The dewatering system shall be selected and designed by the CONTRACTOR. Control of groundwater shall be accomplished in a manner that will preserve the strength of the foundation soils and will not result in damage to existing structures. Where necessary to these purposes, the water level shall be lowered in advance of excavation, utilizing pumps, wells, wellpoints, or similar methods.

Open pumping with sumps and ditches, if it results in boils, loss of fines, or softening of the ground will not be permitted. Wells and wellpoints, if used, shall be installed with suitable screens and filters so that continuous pumping of excessive fines does not occur. The discharge shall be arranged to facilitate collection of samples by the ENGINEER.

The CONTRACTOR, or their specialist dewatering sub-contractor, shall be experienced in designing and construction of dewatering on projects of similar size and complexity, in geology similar to that present on the site.

~~The CONTRACTOR shall install two temporary piezometers in each excavation at the locations shown on the Plans. Measurements of the water level shall be taken twice each working day by the CONTRACTOR. The results of the measurements shall be made available to the ENGINEER upon request.~~

28.E MEASUREMENT AND PAYMENT

De-Watering Plan & Implementation will be paid for at the contract lump sum price, as shown on the Bid Schedule, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all work involved, (including settlement or filtering, any required treatment, and cleaning of dewatering system, etc.), materials (including hoses, etc.), tools, equipment (including holding/settling tanks [e.g. Baker Tanks], ~~sand media filters, pressurized bag filters, carbon vessels~~, standby backup generators and pumps, etc.), and incidentals, and for doing all work involved in de-watering (including designing, implementing, operating, removing and disposal of the de-watering systems and resulting sediment and debris, and testing) as specified herein and as directed by the ENGINEER.

Payment for the various De-watering Bid Items will be made in accordance with the following:

1. For purposes of Bidding, and Measurement and Payment, Dewatering work will be split into three (3) Bid Schedule as follows: 1) One Bid Schedule line item will be paid as a Lump Sum

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which will cover all Contractor costs associated with Dewater Plan preparation, 2) a separate Bid Schedule line Item will be paid as a Lump Sum which cover all work associated with sheet pile installation, removal and restoration , and all other means necessary to isolate the site from tidal inflow and the installation of a coffer dam, pump, and by-pass line to pump any base flow water coming down Thompson Creek storm drain around and downstream of the project site. 3) a separate Bid Schedule line item will be the Lump Sum costs for trench dewatering, including pumps, settlement and storage tanks , off haul trucking, and disposal, including disposal plant fees.

To address the possibility of the trench groundwater having acceptable water quality for disposal at the City of Petaluma Ellis Creek Treatment Plant, a Alternate Bid line item will be the reduction in Lump Sum costs as a credit representing the lower costs from groundwater disposal to the adjacent SSMH.

Scheduled Payment for Dewatering will be as follows “

1. The Dewater Plan submittal will be paid according to the Standard Contract Provisions upon approval by the Engineer.

2. Fifty Eighty (580) percent of the bid price will be paid when the tidal and base flow dewatering and water bypass systems are installed and such installation is approved by the ENGINEER.

3. Fifty (50) percent of the lump sum bid price will be paid when the trench dewatering system is installed and such installation is approved by the ENGINEER.

4.

2-4. The remaining fifty twenty (520) percent of the bid price will be paid when the dewatering and water bypass systems above have been removed and such removal is approved by the ENGINEER.

3-5. The sum of all payments for the Dewatering Plan preparation , the installation and removal of the dewatering and water bypass systems shall not exceed the total price bid for various “DEWATERING,” items as set forth on the Bid Schedule ding Sheet.

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END OF SECTION

BID SCHEDULE
(Bid Addendum #3)

BASE BID

| Item No. | Description | Estimated Quantity | Unit | Unit Price | Total Price |
|-----------------|---|---------------------------|-------------|-------------------|--------------------|
| 1 | Mobilization | 1 | LS | | |
| 2 | Survey, Utility Verification and Stakeout | 1 | LS | | |
| 3 | Traffic Control Plan & Implementation | 1 | LS | | |
| 4 | Demolition Plan | 1 | LS | | |
| 5 | Excavation and Trench Safety Plan | 1 | LS | | |
| 6 | De-watering Plan Preparation | 1 | LS | | |
| 7 | Sheetpile & Cofferdam; Tidal and Creek flow dewater | 1 | LS | | |
| 8 | Groundwater dewater- storage, off haul trucking and Laguna Treatment Plant disposal | 1 | LS | | |
| 9 | Erosion Control and Stormwater Management | 1 | LS | | |
| 10 | Environmental Stewardship | 1 | LS | | |
| 11 | Demolish Wood Bridge, Headwall, and Wood Railing | 1 | LS | | |
| 12 | Sawcut and Demolish Pavement. Dec. Roc- Railroad Rail, etc. | 1 | LS | | |
| 13 | Excavation, Grading and Backfill | 1 | LS | | |
| 14 | Install 16- 20" OD Torque-Down Pile, 60 ft Pile Length, | 16 | EA | | |
| 15 | Provide - 20" OD Torque-Down Indicator Pile, 60 ft Pile Length, Provide Reaction Piles as Needed for Load Tests | 1 | LS | | |
| 16 | Additional 20" OD Steel Torque Down Pile Welded to Placed Pile- in 5 foot increments | 5 | LF | | |
| 17 | Pile Cap Grade Beams (2) - Structural Concrete | 2 | EA | | |
| 18 | Furnish & install Pre-cast Concrete Bottomless Arch Culvert | 1 | LS | | |
| 19 | Concrete Wingwall & Grade Beam- CIP Structural Concrete | 2 | EA | | |
| 20 | Concrete Headwall at existing | 1 | LS | | |

First and F Street Bridge Replacement Project
Bid Addendum #3

| | | | | | |
|-------------|---|-------|----|--|--|
| 20 cont. | Culvert - CIP Structural Concrete | | | | |
| 21 | Furnish & Install 42" Bridge Railing | 26 | LF | | |
| 22 | Furnish & Install Grade Beam Drainage System* | 2 | EA | | |
| 23 | Concrete Infill Walls (2) - Structural Concrete and Rebar | 2 | EA | | |
| 24 | Street Curb and Gutter | 30 | LF | | |
| 25 | Furnish & Install 18" x 18" Storm Drain inlet and 12" HDPE outlet | 2 | EA | | |
| 26 | Controlled Low Strength Materials Trench Backfill | 65 | CY | | |
| 27 | Class 2 AB Backfill | 200 | CY | | |
| 28 | Trench Bottom Drain rock | 14 | CY | | |
| 29 | AC Paving | 2,000 | SF | | |
| 30 | Concrete Rail Ties | 12 | EA | | |
| 31 | Railroad Rails | 70 | LF | | |
| 32 | Site Restoration, Seeding, Planting | 1 | LS | | |
| 33 | Signage | 2 | EA | | |
| 34 | Striping | 1 | LS | | |

Total Base Bid

\$

* Includes 1 1/2" gravel, filter fabric, 4" perf. pipe, 1 1/2" weep hole

ALTERNATE BID

| Item No. | Description | Estimated Quantity | Unit | Unit Price | Total Price |
|-----------------|--|---------------------------|-------------|-------------------|--------------------|
| 1 | Riparian Restoration (200 SF) | 1 | LS | | |
| 2 | Dewater- groundwater disposal to SSMH (see Note 1) | 1 | LS | | |

(NOTE 1: Alternate Bid Item No. 2 is a credit back to bid schedule Item 8 cost if SSMH disposal allowed instead of off haul disposal to Laguna Treatment Plant).

*Note: In case of error in extension of price into the total price column, the unit price will govern.

| |
|---|
| Total Amount of Bid (written in words) is: _____ |
| _____ Dollars and |
| _____ Cents. |
| In the event of discrepancy between words and figures, the words shall prevail. |
| \$ _____ |
| _____ Figures |

Note: **The award of the contract shall be awarded to the lowest price of the Base Bid.**

Address of Bidder

Signature of Bidder

City

Name of Bidder (Print)

Telephone Number of Bidder

Fax Number of Bidder

Contractor's License Number

License's Expiration Date

Addendum Acknowledgement

Addendum No. 1 Signature Acknowledging Receipt: _____ Date: _____

Addendum No. 2 Signature Acknowledging Receipt: _____ Date: _____

Addendum No. 3 Signature Acknowledging Receipt: _____ Date: _____

Addendum No. 4 Signature Acknowledging Receipt: _____ Date: _____