

Department of Public Works  
Engineering Division

December 4, 2024

CITY OF BERKELEY  
STRAWBERRY CREEK CULVERT MAINTENANCE PROJECT – PHASE 1  
SPECIFICATION NO. 25-11689-C  
**ADDENDUM NO. 2**

Dear Bidder:

The following amendments are hereby made to the subject documents:

**1. Specifications: Cover Sheet, Tentative Schedule, Notice to Bidders, and Bidders and Contractors Checklist**

Bid opening date changed to 2:00 PM, Thursday, December 19, 2024.

The City of Berkeley has received questions from potential bidders regarding Specification No. 23-11689-C, Strawberry Creek Culvert Maintenance Project – Phase 1. In an effort to provide the same information to all potential bidders, the questions are included below, along with a response from City staff.

1. **Question:** How much silt and debris should the contractor anticipate to clean and remove from the culvert?

**Answer:** *The City does not anticipate large volumes of silt or debris will be in the culvert as work will be performed after the rainy season. For the purposes of the bid the contractor shall anticipate approximately 50 cubic yards (CY) of material to be removed. Full compensation for removal and disposal of silt and debris will be considered as included in the contract price paid for geopolymer lining items.*

2. **Question:** What staging areas are available to the contractor for this job? Can we stage equipment and materials in neighborhood parking spots adjacent to work locations (with advance postings to residents)? Are we exempt from ticketing for weekly street sweeping?

**Answer:** *The City will work with Contractor to secure short-term staging (not exceeding 2 weeks) for equipment and materials in neighborhood parking spots during lining operations. The Contractor will be exempt from ticketing for weekly street sweeping. Long-term staging in neighborhood parking spots will not be permitted.*

3. **Question:** Drainage inlets will likely have to be removed to create enough access for workers and equipment. Does the City have a standard DI detail for replacement?

**Answer:** *The contract plans and specifications describe available access points for the installation of the geopolymer lining. If Contractor seeks to remove an existing catch basin top to facilitate contract work, catch basin reconstruction shall be per City Standard Plan 6166 (attached).*

*Modification, removal, and replacement of existing infrastructure, where not shown on the plans, shall be at the Contractor's expense and shall require Engineer approval.*

4. **Question:** Can you provide the depth of the culvert below roadway grade?

**Answer:** *Culvert depth below roadway varies by location. For the purpose of liner thickness design, Contractor may refer to Appendix C “Geopolymer Liner Thickness Calculations” in specifications for a listing of assumed design cover depth for each culvert section. For all other purposes, depth to culvert invert can be roughly estimated based on provided rim elevations and culvert FL and Toe of Wall elevations on plans.*

5. **Question:** Are there storm drain conduits that enter the culvert besides where inlets are located in each phase?

**Answer:** *Storm drain connections shown on the plans are based upon available record data. Additional storm drain pipes of varying sizes, that are not shown on the Plans, may have blind connections to the creek culvert. The Contractor shall document all connections as well as flow during the site evaluations. For the purpose of bidding, these connections shall have minor water flow.*

6. **Question:** Are we responsible for any water quality testing (PH or turbidity) and reporting for creek flows while we are working in the culvert?

**Answer:** *No water quality testing of pH or turbidity is required by the permits received by the City for the project. Water quality testing shall be completed if required by the Contractor’s Water Pollution Control Program as defined in Bid Items A-6 and B-5. during the site evaluations.*

7. **Question:** Is any geotechnical data available to bidders?

**Answer:** *No geotechnical data is available.*

8. **Question:** Technical Provisions mention the potential for “groundwater infiltration” and under dewatering spec indicates Contractor to be prepared for water table at 5’ bgs. How is Contractor to anticipate the extent of infiltration locations (i.e. cracks/failures/etc)? Furthermore, the spec states “Active leaks shall be sealed prior to application of the lining material. The Engineer notes that this will be paid as follows:” ... it goes onto discuss use of hydraulic cement/etc. and concludes by stating infiltration control shall be considered “part of the work”. Seems like an allowance item for sealing off groundwater intrusion would be prudent as currently Contractor has no information or means of assessing extent of infiltration, nor the integrity of the culvert and therefore handling of groundwater intrusion should be the Owner’s risk, not the Contractor’s.

**Answer:** *The Engineer defines dewatering in Bid Item A-17 for groundwater infiltration as encountered during excavation as described in Bid Item A-18, which is required for the new culvert access maintenance hole at MLK Jr Way and the installation of the access hatch at Roosevelt Avenue.*

*Within the culvert, the Contractor shall anticipate there will be ground water infiltration that will require mitigation as defined under the Install Geopolymer Lining section of the Technical Provisions. The Engineer does not expect this infiltration to inhibit the work. Any dewatering necessary within the culvert to accomplish these repairs shall be paid for in the various costs of the structural repairs and geopolymer lining.*

*However, if the Contractor encounters excessive water infiltration that prevents the work from being completed, the City may consider this as Extra Work.*

9. **Question:** Will the Owner/Engineer waive the requirement that the approved material have a status of COMPLETE with AASHTO for both Phase I (Physical Properties) and Phase II (D-Load) testing of their product?

**Answer:** *The Engineer will waive the AASHTO 'Complete' status and testing requirements if the Contractor provides documentation supporting the material's compliance with the Technical Provisions. This shall be supported by testing completed in accordance with applicable standards. The Contractor shall provide all documentation requested by the Engineer to waive the requirement.*

10. **Question:** Can additional information on the required Toxicity testing be provided so as to allow the procedure to be duplicated by others?

**Answer:** *No additional information can be provided. Target species and acceptable toxicity testing methods, including EPA approved methods, are listed in Special Condition 31 "Contractor and Manufacturer Qualifications". The design team did not define specific sample preparation procedures.*

11. **Question:** We would like to better understand the steps taken to prepare the samples necessary to perform the toxicity testing requested. While the EPA documents outline the steps that are to be taken once samples are prepared, they do not appear to fully outline how a sample is to be prepared. To this end, we have the following inquiries:

- a. Is there a specific sample preparation procedure defined by the project design team for materials wishing to be considered for the project? Information needed include:
  - i. Size of the sample that is to be prepared. Are the samples a certain mass or volume?
  - ii. Shape of the mold that is to be used. Are we testing cubes, cylinders, some other shape sample?
  - iii. How long were the samples allowed to cure prior to water/flow exposure?
  - iv. In what conditions did the curing take place?
  - v. The table in the Specifications notes that 1.0-inch of water was simulated flowing overtop the sample once prepared. What steps were taken to achieve this?

**Answer:** *See answer to Question #10.*

12. **Question:** Can contact information be shared for the lab who has performed testing for GeoTree?

**Answer:** *GeoTree's toxicity testing was performed by Pacific EcoRisk. See Page 3 of 11 of Appendix B, "RWQCB CWA 401 Certification".*

13. **Question:** Is complete reporting of the GeoTree results available for review by alternative labs?

**Answer:** *The GeoTree report is not available for review.*

14. **Question:** Can [City] also post who was at the job walk on Friday []?

**Answer:** *A copy of the pre-bid meeting sign-in sheet is available on the City's website.*

15. **Question:** California Code of Regulations Title 8, Subchapter 20, Article 1, Subsection 8403 establishes that Tunnel Safety Orders are to be in effect when alterations or repairs are made to a tunnel. The scope of work for this project requires alterations and repairs be made to a tunnel. Please provide the tunnel

classification letter from the Division for this project per CCR Title 8, Subchapter 20, Article 8, Subsection 8422.

*Answer: The Engineer will coordinate with the Division of Occupational Safety and Health to obtain a tunnel classification letter. However, the Contractor shall assume there are no concentrations of flammable gas or petroleum vapors present within the Strawberry Creek culvert that require classification as gassy or extra hazardous.*

16. **Question:** Is there a City provided bid bond form?

*Answer: No. The City does not have standard bid bond or labor and material bond forms.*

**The Bid Opening time and date have been rescheduled to 2:00 PM, Thursday, December 19, 2024.** All other provisions of the contract documents shall remain the same. **Bidders shall submit a signed acknowledgment of Addendum No. 2 along with their Bidder's Proposal. Failure to do so may result in bid rejection.**

Sincerely,



Ricardo Salcedo  
Associate Civil Engineer

**BIDDER'S ACKNOWLEDGEMENT:**

Name of Company: \_\_\_\_\_

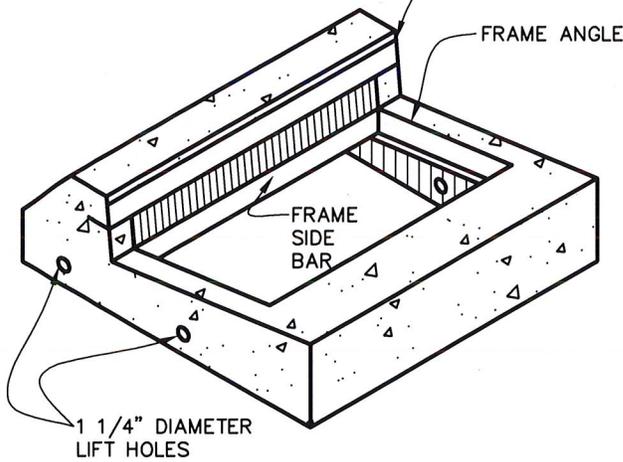
Address, City, State, Zip: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

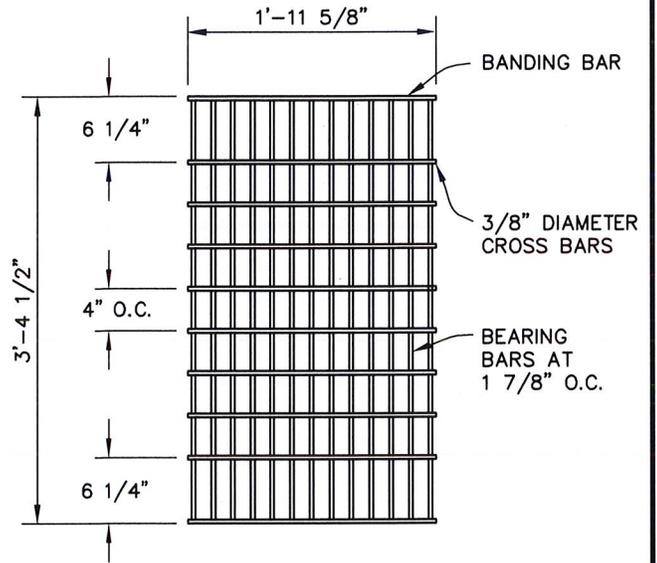
Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

Attachment(s): City of Berkeley Standard Plan No. 6166 – Catch Basin with Curb Inlet

NOSING ANGLE  
3 1/2" x 3 1/2" x 1/2" x 48"L



**PRECAST TYPE V TOP**

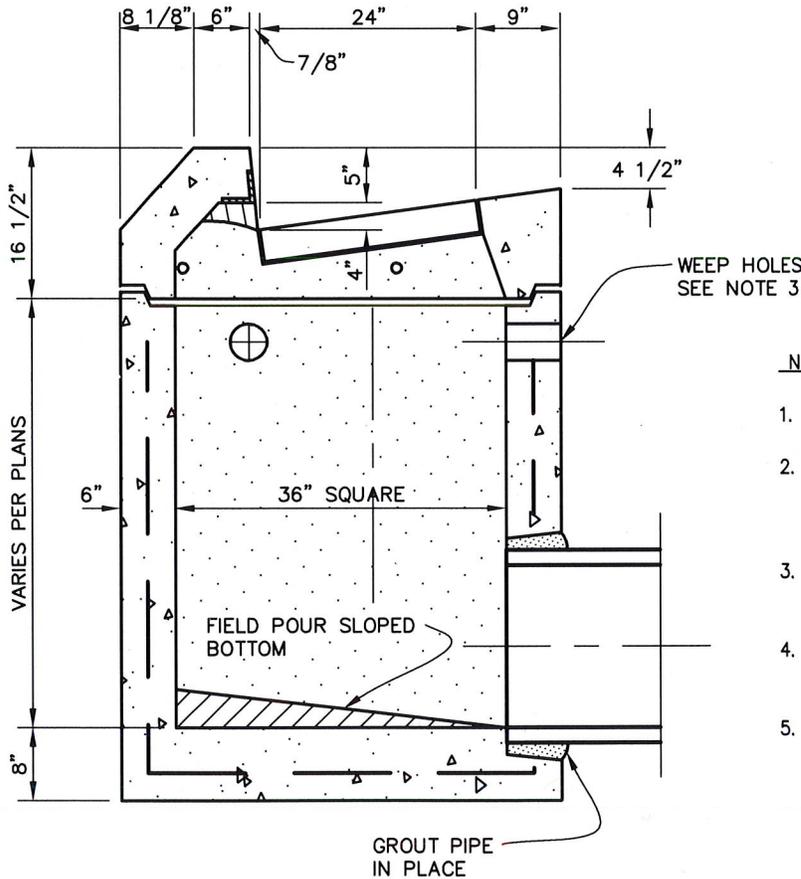


**GRATE TYPE V**

13 BEARING BARS 3 1/2" x 3/8"  
2 BANDING BARS 2 1/2" x 3/8"

**FRAME**

4" x 3" x 1/2" ANGLES  
3 1/2" x 1/2" SIDE BARS



**TYPICAL INSTALLATION  
ON PRECAST BASE**

**NOTES:**

1. CONCRETE SHALL TEST 3000 PSI AT 28 DAYS.
2. ALL METAL SHALL BE STRUCTURAL GRADE STEEL AND BE GALVANIZED AFTER FABRICATION PER ASTM A123.
3. REQUIREMENTS FOR AND LOCATION OF 4" DIA. WEEP HOLES TO BE VERIFIED BY CONTRACTOR.
4. WALLS AND FLOOR ARE REINFORCED WITH 4"x4" W6-W6 WWF.
5. WEIGHT OF PRECAST TOP WITHOUT GRATE = 1350 LBS. GRATE = 210 LBS.

CBWCI

**CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS**

**STANDARD DETAIL  
CATCH BASIN  
WITH CURB INLET**

SUBMITTED:  
*Don Ray*  
SUPERVISING CIVIL ENGINEER

DATE: 10/9/17  
R.C.E. 64582  
EXP. 6/30/19

APPROVED:  
*Mark P...*  
MANAGER OF ENGINEERING

DATE: 10/6/17  
R.C.E. 72491  
EXP. 6/30/18

DESIGN: DA  
DRAWN: JP  
CHECK:

DATE: 10/17  
SCALE: N.T.S.  
BOOK:

PLAN: 6166  
FILE: 20-B-105