

SECTION 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 DESCRIPTION

- A. The term project is defined in Document 00701 – Abbreviations and Definitions, Paragraph 2. This project includes the following principal features:
1. Constructing access road upgrades and compacted earthfill pad for tunnel launch shafts, including:
 - a. Mobilization and demobilization.
 - b. Develop a staging area, barge unloading area, and stockpile area as needed.
 - c. Obtain Caltrans and Reclamation District Encroachment Permits.
 - d. Traffic control and public safety.
 - e. Clearing and grubbing.
 - f. Perform all excavation as shown..
 - g. Dewatering of excavations.
 - h. Supply and install filter fabric, geogrid, and settlement plates.
 - i. Supply suitable earthfill materials. Providing and placing aggregate base.
 - j. Provide and install culverts.
 - k. Provide and install a swing gate.
 - l. Supply seeds for seed mixes and seeding.
 - m. Provide site security.
 - n. Provide signage.

1.02 RELATED SECTIONS

- A. Supplementary General Conditions, General Conditions, other Division 1 and Division 2 sections, and Drawings apply to this section.

1.03 SITE LOCATIONS AND ACCESS

- A. The following paragraphs provide a brief summary of the major work required and site access. The full scope of work is provided on the Drawings and in the Specifications. Site access routes, including the location of a barge unloading area for material deliveries, are also described and shown on the Drawings. The Contractor shall not deviate from the designated project access points or from the designated on-site access roads without prior approval of the Engineer.

1. The project site is located on Bouldin Island in San Joaquin County, California. The work will include, but not be limited to, constructing designated access roads and constructing a tunnel launch shafts pad in accordance with the Drawings and Specifications. Constructing the access roads will include removing and replacing or extending existing culverts within existing drainage channels on site.

Unsuitable material from excavations shall be placed within the designated disposal area on site. The Contractor shall be responsible for supplying, delivering, and placing suitable earthfill and other materials needed for construction. Delivery of material may be by barge, by truck, or a combination of both. Delivery shall conform to all applicable permits for the project obtained by the Department. Staging areas for the work required by the Contractor other than as shown on the Drawings shall be approved in advance by the Department.

Contractor shall install, maintain, and remove, as appropriate, SWPPP BMPs through duration of project and during project closeout.

2. The Contractor shall be responsible for obtaining and complying with Caltrans encroachment permits and providing traffic control and flaggers at the access location off of SR 12 for public safety.

The Contractor may also access the work site for material deliveries by utilizing a barge unloading area on the north bank of Potato Slough, as shown on the Drawings. The barge unloading area shall not include constructing roads or ramps on the waterside or landside of the existing levee embankment, or using the levee crown road for hauling material. Material shall be unloaded with the use of cranes, conveyors, or by using methods that will not disturb the existing

levee, and may be temporarily stored at the materials stockpile area. The Contractor shall be responsible for verifying barge access and coordinating with local landowners and reclamation districts prior to and during the deliveries of material to the work site. The Contractor's plan for unloading barges shall be subject to Reclamation District and Department approval.

1.04 TIME OF COMPLETION

- A. Pursuant to Document 00705 – Prosecution of Work, Paragraph 1.A, the Contractor shall begin work within

5 DAYS

from date of receipt of notice to begin work.

- B. The Contractor shall mobilize necessary equipment to the site and begin construction of access road improvements before the expiration of

December 12, 2018.

- C. The Contractor shall complete the balance of work before the expiration of

October 30, 2019.

- D. The above completion date is based on the Contractor receiving the notice to begin work within 21 40 days from the date of the bid opening. The Department will extend the completion date by the number of days after the 40

- E. days specified above that the Contractor receives the notice to begin work except to the extent that the delay in issuance of the notice to begin work results from the failure of the Contractor to perform obligations specified in Document 00200 – Instructions to Bidders. Notwithstanding the provisions of Document 00705 – Prosecution of Work, Paragraph 5, the Contractor shall not be entitled to adjustment in compensation for such extension of the completion date.

1.05 LIQUIDATED DAMAGES

- A. Pursuant to Document 00705 – Prosecution of Work Paragraph 2:

1. Liquidated damages for failure to complete the work specified in Paragraph 1.04 B within the time specified will be \$2,500 per day.

2. Liquidated damages for failure to complete the work specified in Paragraph 1.04 C within the time specified will be \$2,500 per day.
3. The maximum sum per day for liquidated damages for which the Contractor will be liable will be \$2,500 per day.

1.06 PROSECUTION OF WORK

- A. Pursuant to Document 00705 – Prosecution of Work, Paragraph 3.B, the time of completion specified in Paragraph 1.04 is considered insufficient to complete the project working a normal number of hours per day or week on a single-shift basis. It is expected that overtime operations and/or additional shifts will be necessary to achieve completion of work within the time specified. The contract prices shall include full compensation for costs incurred for compliance with time of completion specified.

1.07 AWARD OF CONTRACT

- A. Award of contract will be made pursuant to Document 00200 – Instructions to Bidders, Paragraph 7 and as specified herein.
- B. The contract will be awarded to the lowest responsive and responsible qualified bidder in accordance with Document 00002 – Notice to Contractors.
- C. Required right of way and permits to undertake the project have not yet been obtained. The Department is unable to affirm that the required right of way and permits will be obtained or, if obtained, that required right of way and permits will be obtained in time to warrant an award of contract.

1.08 CONSTRUCTION WATER

- A. The Contractor shall be responsible for providing suitable water for construction for each site. This includes obtaining all permits and paying all fees needed to utilize the water source(s), and providing all facilitates needed to pump, convey, store, and distribute the water.

1.09 PERMITS AND LICENSES

- A. Pursuant to Document 00703 – Applicable Laws and Regulations, Contractor shall obtain necessary permits and licenses not obtained by the Department.
- B. The Contractor shall obtain such permits and licenses and pay charges and fees, except as specified in Section 01570 – Environmental Protection. Permits and licenses shall be obtained in sufficient time to

prevent delay to the project. Such permits shall become a part of these specifications by reference.

- D. Obtain encroachment permits from applicable agencies for transporting any materials to/from jobsite. Contractor-obtained permits shall include Caltrans, County Department of Transportation, and Reclamation District No. XX encroachment permits required for hauling material and equipment on and off public roads, for installing and maintaining detours shown on the Drawings, and as required to complete all work shown on the Drawings. Such permits shall become a part of these specifications by reference. Contractor shall comply with all permit requirements.

1.10 RESTRICTIONS

- A. Barge operations shall be restricted as follows:

1. Barge operations shall only occur during the work week and shall not occur on weekends.
2. Barge operations shall only occur from the Port of Stockton to Bouldin Island from November 1 to February 28.
3. Barge operations shall only occur from the Port of Stockton to Bouldin Island from March 1 to May 31 to move critical heavy construction equipment and materials that cannot be moved by land.
4. Barge operations shall only occur from the Port of Stockton, San Francisco, and Antioch to Bouldin Island from June 1 to October 31.
5. Barge operations shall only originate from San Francisco or Antioch to Bouldin Island from June 1 to October 31.
6. Construction of in-water pile-supported docks shall not be allowed.
7. Only if necessary, floating docks shall be secured by spuds or anchors.
8. Conveyors may be used to transport materials from the barge unloading area to the materials stockpile area. Conveyors may also be used to transport materials from the materials stockpile area to the tunnel launch shafts pad, along the access roads within the limits of work shown on the drawings. Height of materials at the stockpile area shall not exceed 5 feet.

9. Submit Barge Operations Plan to the Reclamation District and Engineer at least 90 days prior to initiation of barging.
 10. The Contractor shall obtain an encroachment permit from the Reclamation District before starting work. Barge operations shall not at any time block the crown of the levee or the access of the Reclamation District. Any temporary storage of vehicles, equipment, and materials required on the levee shall be subject to the prior approval of the Reclamation District and the Engineer. The Contractor shall restore work areas to pre-existing condition, subject to the approval of the Reclamation District and the Engineer.
- B. Contractor's operations shall not impact access to local farmers, Reclamation District, and operations and maintenance of agricultural areas outside the limits of work.
- C. Storage of Contractor Equipment and Fuel:
1. Contractor equipment shall be stored at approved locations when not in operation.
 2. Contractor fuel trucks and fueling equipment shall be parked at approved storage locations and driven or transported to the work site for refueling purposes.

1.11 PROJECT CONDITIONS

A. Borrow Areas

1. The Contractor shall be responsible for identifying sources for earthfill conforming to the specifications, including royalty payments for the material.
2. The Contractor shall be responsible for all loading, hauling, and unloading of borrow material.

B. Utilities

1. Known overhead and underground utilities within site areas are limited and are shown on the Drawings based on field observations. The Contractor shall be responsible for locating all above ground and underground utilities before beginning excavations in any area, and for coordinating its work with the appropriate utility owner if utilities are present.

1.12 VERIFICATION OF EXISTING FACILITIES

- A. The Contractor shall verify the applicable structural dimensions, the location, elevations, and dimensions of existing facilities, and other dimensions and data required to complete the project.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

PART 4 PAYMENT

4.01 PAYMENT

- A. The contract prices shall include full compensation for all costs incurred under this section.

END OF SECTION

Draft, Not for Construction