

OAKDALE IRRIGATION DISTRICT

ADDENDUM NO. 1

BID DOCUMENTS FOR TUNNEL 8 REHABILITATION PROJECT

DATE: August 13, 2021

CONDOR EARTH


SCOTT LEWIS
Project Manager

NOTICE TO PARTIES HOLDING SPECIFICATIONS:

The following are notes, questions and responses:

NOTE: The Work area has been cleared of CTS and wetlands, and there is no species of concern noted.

QUESTION: Rock bolting is listed as an alternative, correct?

ANSWER: Yes, as a toolbox item. It is not certain rock bolting will be required.

QUESTION: What support is needed for safe entry into the tunnel?

ANSWER: Scaling/trimming to remove loose rock will be the primary work to stabilize the tunnel for safe entry as the work progresses. Stability issues are not expected beyond scaling work, but anticipate shotcrete and possible rock bolts to be determined in the field. We anticipate sequencing of excavation activity in the morning and shotcrete in the afternoon.

QUESTION: Is the tunnel invert lower than the portals?

ANSWER: Yes, the water ponds in the invert. There is a high spot downstream of Tunnel 8 that will pond water back into Tunnel 8.

QUESTION: Is there anything required beyond what is listed in the Bid form requirements, such as resumes?

ANSWER: Resumes will not be required as part of the Bid package, but Bidders will need rehabilitation/tunneling experience and shall comply with requirements stated in Contract and Technical Specification Sections 02415.1.07, 02415.1.08 and 02415.1.10 – Tunnel Repairs Using Mobile Equipment. Bid requirements are documented in the Contract and Technical Specification Section 00550 – Bidder's Responsibility Statement.



QUESTION: What work is being performed on the portals?

ANSWER: Shotcrete overlay as shown on Drawing DWG 4.0; portals had improvements performed ~10 years ago.

QUESTION: How far does the existing shotcrete go into the tunnel?

ANSWER: Approximately 5 feet.

QUESTION: Do you expect more boulder lava or massive boulders?

ANSWER: We expect similar conditions as Tunnel 7; “clinker zone” volcanic rock blocks mixed with alluvium at the base of an ancient lava flow.

QUESTION: Do you expect the excavation to be more picking rocks or trimming?

ANSWER: We anticipate more trimming – ~1’ to 18”.

QUESTION: As we are enlarging sides, you want a 6” invert?

ANSWER: The invert will need to be cleaned and concrete poured; no significant excavation or fill of invert. Sequence anticipated is trim work, muck spoils, support tunnel ribs and arch with shotcrete, clean and concrete invert.

QUESTION: Are there control joints?

ANSWER: Concrete and shotcrete are fiber reinforced; construction/contraction joints are listed in Project Specifications and Drawings (see Concrete Note 9 on Drawing DWG 1.1).

QUESTION: If rock bolts are needed as excavated, how will OID pay for them?

ANSWER: Temporary support (i.e. rock bolts) will be paid for as long as agreed in advance to placement by Engineer (refer to Specifications).

QUESTION: Will invert cleaning be covered under a bid item?

ANSWER: Invert cleaning is covered under Bid Item 5A and will be measured by the truck load. The estimate is listed as 820 cy; if more/less, costs will be covered under a change order.

QUESTION: Are the rocks along the side (downstream portal area) likely the type of rocks coming out of the tunnel?

ANSWER: Yes, most likely along the tunnel crown.

QUESTION: How long does it take for the water to dewater the canal?

ANSWER: Once the gates are closed at Goodwin Dam, it generally takes <24 hours for canal to go “dry”.

QUESTION: If stormwater is pumped (at the work site), where can it be discharged to?

ANSWER: Upstream of Tunnel 7 (spill gate) or downstream of Tunnel 8 in canal.



QUESTION: Will an engineered coffer dam be required even with flash boards (upstream Webb Tunnel Spill)?

ANSWER: Yes if over 4', because coffer dam is a potential life safety issue.

QUESTION: Do coffer dams have to be 4'?

ANSWER: No, but it will be the Contractor's responsibility to design the height of coffer dams based on site-specific hydrology and hydraulics engineering.

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