

ADDENDUM TO: LANDFILL CULVERT HEADWALLS

Addendum Number: 1

Date Issued: March 18, 2014

I. Instructions to Bidders:

This addendum is hereby made a part of the bid packet issued for Landfill Culvert Headwalls, and therefore must be attached to the bid packet response from bidders.

II. Questions from Pre-bid meeting with Answers and Discussions:

Question 1: Sheet 3 of 5: The plan shows optional Bollards (Typical Placement). However, no design detail is provided and no line item has been listed on the bid schedule.

Answer 1: Bollards are optional and will be installed, if required. Use of MAG Detail 140 is sufficient. See revised bid schedule for the line item.

Question 2: Sheet 5 of 5: Required verification and inspection of soils (to be performed by a licensed geotechnical engineer): Why have a soil report and geotechnical requirements been provided for the project? (Amount of excavation under foundation is unknown, downstream end has stagnant water issues posing potential construction issues, safety issues etc.) Need engineer's recommendations.

Answer 2: This verification and inspection will be performed after the headwall foundation excavations have been completed and before any rebar is placed. The intent of this inspection is to determine the suitability of the subgrade. The subgrade must be dry, compacted and not contain any organic material. Any standing water must be pumped out and the area allowed to dry.

Question 3: The culvert pipe edges are not uniform. Is trimming of pipe edges allowed? If yes, how much? Line item needed?

Answer 3: The culvert pipe edges must be trimmed so the culvert is flush against the formwork (no concrete leakage into the pipe). The Contractor is expected to only trim the amount of pipe necessary. Pipe trimming may not be needed in base bid alternative 1.

Question 4: The plans have no discussion about existing vegetation removal within construction zone. Need engineer's recommendations.

Answer 4: Vegetation to be removed by the contractor, as necessary.

Question 5: The wash has flowage issues downstream and will create issues after a rainfall. Need engineer's recommendations on dewatering the construction area.

Answer 5: As stated above, any standing water must be pumped out and the area allowed to dry. April, May and June are typically dry months in Arizona; however, storm damage is the Contractor's responsibility.

2013 Month	by Rainfall inches	in	2013 Month	by Rainfall inches	in
Jan. 2013	1.39		Jul. 2013	1.77	
Feb. 2013	0.31		Aug. 2013	0.36	
Mar. 2013	0.85		Sept. 2013	0.86	
Apr. 2013	0.06		Oct. 2013	0	
May-2013	0		Nov. 2013	2.43	
Jun-2013	0		Dec. 2013	0.39	
			Annual	8.42	

Question 6: The existing use of road poses safety risk during construction and may need traffic control plan to restrict traffic to one lane with 1-2 flagmen. Need engineer's recommendations.

Answer 6: Safety is of paramount importance. Means and methods are Contractor's responsibility. Contractor may provide traffic delineators to provide a safe work area, choose to construct one headwall at a time, etc. The Contract Time may be extended to 90-days on contractor's request, if needed. Such request shall be made before contract execution and Notice to Proceed.

Question 7: Do we need Stormwater Pollution Prevention (SWPPPs) under NPDES for construction within wash like this?

Answer 7: No. The contractor shall not disturb any more wash area than is absolutely necessary to complete the project.

II. Following are Questions received by Emails with Answers

Question 1: How much over-excavation will be required under the base slabs?

Answer 1: One-foot (as shown on Details 2/3 & 3/3).

Question 2: Is a geotechnical report available?

Answer 2: No (a QC/QA technician will verify the soil properties assumed for structural calculations following over-excavation activities).

III. **BASE BID ALTERNATIVE 1:**

Contractors are required to provide an alternative cost for extending existing two (2) 72-inch CMP pipes by approximately 5-ft on each end and provide structurally sound joints. The existing pipe edges can be trimmed to suit connection. The intent is to reduce/eliminate the excavation of existing banks of the road crossing and allowing enough construction space for headwalls. Provide 5' CMP extensions on each pipe end and relocate headwall(s) out to adjoin with the new pipe extension. CMP pipes shall be joined with 2-foot band clamps. Provide granular backfill and compaction around pipe extensions up to new headwall location(s). Revised Bid Schedule is attached.

BID SCHEDULE (Revised)

LANDFILL CULVERT HEADWALLS

BASE BID:

Item No.	Description	Quantity	Cost	Remarks/Description
1.	Furnish and Construct In-Place Culvert Headwalls	1		Lump Sum

BASE BID ALTERNATIVE 1:

Item No.	Description	Quantity	Cost	Remarks/Description
1.	Furnish and Construct In-Place Culvert Relocated Headwalls with 5ft CMP extensions on each pipe, 2-foot band clamps joints, granular backfill & compaction	1		Lump Sum

OTHER OPTIONAL COSTS:

Item No.	Description	Quantity	Cost	Unit	Unit Price
2.	Estimated Bollard-MAG STD DET 140 around Electric Meter	4	\$	Each	\$

GRAND TOTAL BASE BID AND OTHER OPTIONAL COSTS **\$ _____**

GRAND TOTAL BASE BID ALTERNATIVE 1 AND OTHER OPTIONAL COSTS **\$ _____**

Contractor's Signature & Date

Company Name

Note: A signed copy to this addendum is to be returned with the Contractor's bid proposal.

BID SCHEDULE (Revised)

LANDFILL CULVERT HEADWALLS

BASE BID:

Item No.	Description	Quantity	Cost	Remarks/Description
1.	Furnish and Construct In-Place Culvert Headwalls	1		Lump Sum

BASE BID ALTERNATIVE 1:

Item No.	Description	Quantity	Cost	Remarks/Description
1.	Furnish and Construct In-Place Culvert Relocated Headwalls with 5ft CMP extensions on each pipe, 2-foot band clamps joints, granular backfill & compaction	1		Lump Sum

OTHER OPTIONAL COSTS:

Item No.	Description	Quantity	Cost	Unit	Unit Price
2.	Estimated Bollard-MAG STD DET 140 around Electric Meter	4	\$	Each	\$

GRAND TOTAL BASE BID AND OTHER OPTIONAL COSTS **\$ _____**

GRAND TOTAL BASE BID ALTERNATIVE 1 AND OTHER OPTIONAL COSTS **\$ _____**