

PRE-BID MEETING SUMMARY

PROJECT NO. E008297 AML Site 1805, Narrow Lake

Location/Date/Time: On-site – Thursday, March 1st, 2018 – 10:00AM ET

The information contained in this Summary is intended to correct any composition errors and serve to eliminate any misunderstanding of the basic plans and specifications the same as if being originally incorporated therein.

1. DNR Staff Present

- Marvin Ellis, AML Program Director
- Kit Turpin, Project Management Supervisor
- Jay Akes, Project Manager
- Shawn Clifford, Project Engineer
- Mark Stacy, Technical Services Supervisor
- Andy Ripley, Field Investigator
- Chris Hostetler, Chief Engineer

2. Other Attendees

- See sign-in sheet

3. Bid Information

- The plans and specifications are available at www.in.gov/dnr/engineer/2908.htm.
- The bids are due in Indianapolis, as described in the NTB.
- The bid opening is scheduled for Thursday, March 22nd, 2018 at 3:01 PM ET.
- This project has an estimate over \$150,000; pre-qualification by Public Works in 1799.04 Mine Reclamation is required.
- Pre-Qualification questions can be made to Tracy Cross with the Department of Administration, Public Works Division, at (317) 232-3255.

4. Contract Information

- The contract will be paid utilizing federal AML grant reimbursement funds.
- Base bid quantities are identified in the specifications. The Schedule of Supplemental Unit Price Sheet must be submitted with the bid.
- The 2010 AML Standard Specifications are located on the AML Construction Page ftp site: <http://myshare.in.gov/dnr/reclamation/aml/ftp/Projects/ftp.aspx>
- A contract and purchase order may be in place within 6-8 weeks from the bid date (May).
- The contractor must schedule a pre-construction meeting with the Division of Reclamation within 10 calendar days of the date on the notification to proceed prior to starting construction.
- The **construction period** is one hundred and eighty (180) calendar days.
- There is a **penalty assessment** for late completion at a rate of \$250.00 per calendar day.

- The contractor is to include \$50,000.00 **remediation allowance** in the base bid for owner directed changes. This will be a line item on the schedule of values.
- Minority and Women Business goals have been established and are identified in the NTB.
- AVS Checks will be performed on the low bidder to ensure no negative history in the federal mine database (bond forfeitures and outstanding violations)
- DNR, Division of Engineering, and Department of Administration, Public Works Division, are now using a project tracking log that uses what they call a DEL number (delegated project)
- The DEL number for this project is DEL1815208290, not sure yet if it will be needed for pay requests but it is on the plan and specifications cover sheets for reference

5. Brief Project Description

- The work consists of clearing and grubbing, backfilling a highwall, relocation and reconfiguration of water impoundments, improvement of drainage, and revegetation of all disturbed areas.

6. General Comments

- Sullivan County road bond requirements are typically:

- Bond \$100,000 per mile or any part of a mile for asphalt roads
- Bond \$50,000 per mile or any part of a mile for gravel roads
- Exact entrance location shall be approved by Sullivan County for sight distance safety
- Drive pipe size and type shall be approved by Sullivan County depending upon conditions
- A hold harmless agreement in Sullivan County's form shall be signed.

These items shall be submitted to the Sullivan County Engineer, Jerry Netherlain, (812) 268-5457, for approval at a Commissioner's meeting

- A field water quality sample was collected on 7/25/2017:

Lat: 39°02'01"
 Long: 87°15'08"
 pH: 7.0
 SC: 1555 µS
 T: 29.5°C
 Fe2+: <0.2 mg/L
 Alkalinity: 92 mg/L as CaCO3

- Work consists of backfilling a dangerous highwall adjacent to SR 159. Grading limits are outside of the State right-of-way, however some of the work (clearing, backfilling at the existing culvert outlets, etc.) will be near the roadway, so Contractor will need to exercise caution while working in this area.
- Contractor will need to stockpile several stumps with adequate trunk lengths to construct the proposed fish habitat structures (root wad humps) as shown in Detail 9, Sheet 8
- There is an existing septic field on the south end of the project (Sheet 6) that serves a comfort station on the property. No equipment can enter this area under any circumstances.
- There are several other items within the project limits that the Contractor will need to avoid or maintain in-place to ensure their function after project completion. These include, but not limited to the following:
 - PVC drain pipe adjacent to GSSF building (Sheet 3)
 - Existing structures and equipment adjacent to the site access route and staging area (Sheet 3)
 - Existing water intake pipe in Beaver Dam Lake (Sheet 6)
 - Existing water main crossing under the proposed access drive and any other utilities serving the property (Sheet 6)
 - Two (2) perimeter drain outlets from the existing septic field (Sheet 6)
- Sanitary conditions (portable toilet) shall be made available prior to mobilization of equipment.
- A water truck is required to prevent dust.
- The project is required to be kept in a neat and orderly fashion.

7. Questions and Comments

Q. Do the aggregate quantities on the supplemental unit price sheet include aggregate for the secondary truck/equipment access road and staging area?

A. The base bid quantities of aggregate on the Schedule of Supplemental Unit Prices includes additional aggregate to be used when directed by the Engineer. Aggregate will be placed in these areas only when directed and approved by the Engineer.

Q. On plan sheet 5, one note mentions to “loose fill 4’ deep from final grade”, what does this mean?

A. Loose fill consisting of a single 4’ lift is noted in the plans and is further identified in the general notes on the cover sheet of the plans

Q. I do not see a detail for Type IV ditch in the plans?

A. The detail for Ditch Type IV is within detail number 11 shown on plan sheet 6

Q. Do you have an estimated quantity for Cut/Fill volumes?

A. Cut/Fill volumes are not provided in the bid documents. Earthwork is part of the lump sum portion of the bid, a CAD file is provided for bidders to analyze the earthwork.

Q. What if you don't have CAD?

A. CAD would greatly increase the efficiency of analyzing the earthwork in preparation of a bid. A bidder can purchase CAD or hire a consultant to analyze the earthwork for them. There are methods to analyze the earthwork by hand from a paper set of plans.

Q. Is all the borrow on site or is there a borrow pit somewhere? Is it balanced?

A. All of the borrow is on site within the grading limits. The earthwork is balanced. However, with the inherent unknowns of mine spoil, slight adjustments shall be made utilizing the Cut/Fill Adjustment Areas.

Q. Are there any lump sum items, I don't see any on the Supplemental Unit Price sheet?

A. The Department of Administration, Public Works Division (DAPW), uses a lump sum bidding method. All items identified in the plans and specifications shall be included in the lump sum bid. DAPW allows for the use of a Supplemental Unit Price sheet to identify item quantities that may be need to be increased or decreased during construction. Lump sum and supplemental unit price items are identified in the standard specifications.

Q. How many NPDES points are there?

A. One.

Q. Is there clearing going on? Is logging complete? What about the bat habitat trees?

A. Greene-Sullivan State Forest, the property owner for this project, conducted a timber sale prior to our project. The logging is complete. The Division of Reclamation came in after the timber harvest was complete, performed a bat habitat survey, and felled the trees identified as potential bat habitat ahead of the March 31st deadline.

Q. 159 is a state highway, correct? Does Sullivan County have any bonding control over 159?

A. Yes, 159 is a state highway. Sullivan County cannot put any bonding requirements on State Road 159. Load or Weight limits on SR 159 are under the jurisdiction of the Indiana Department of Transportation.

Q. What is the expectation of the work for the alternate/secondary access?

A. The expectation for the work on the alternate access is to use a dozer to clear the path of trees, large rocks, small mounds of spoil and other obstructions. Some minor grading with the dozer maybe required to fill in small holes in the path. It is an established path in need of maintenance.

Q. Can stumps be left below final grade?

A. Yes, as long as it is in accordance with the standard specifications. 201.04, starting at line 27, states "Undisturbed sound stumps, roots, and non-perishable solid objects, which are a minimum of 3 ft below the final grade or slope of embankments, may be left, provided they are as nearly flush as possible."

Q. We plan to use diesel pumps, are there any limits on the hours of operation as they pertain to the noise near the campground?

A. Use of water pumps will be permitted at all hours. Reasonable care shall be taken to ensure sound level at the project limits, especially in the vicinity of cabins at night, is maintained at a comfortable level. A comfortable level shall be 70 dBa. Sound levels may be mitigated with noise control curtains or otherwise.

Q. Are there concerns for the Cut/Fill Adjustment Area where it meets the highwall backfill and the bottom of the final grade water body? What if adjustments need to be made?

A. The Division does not anticipate any issues in regards to where the Cut/Fill Adjustment area meets the highwall backfill. If a problem presents itself, the Division will and the Contractor shall work together to address the problem. It is the intention of the Division for the Contractor to monitor the earthwork as it progresses. The Contractor shall inform the Engineer immediately if they notice they may be long or short on material. The Engineer will and the Contractor shall work together to make adjustments to the grades in the field utilizing the cut/fill adjustment area and the proposed pit area to avoid additional costs for moving additional material.

Q. Do the left over trees that have already been felled need to be stockpiled?

A. No, all standing trees and tree debris currently on the site will be chipped.

8. Addendum Items

–Addendum Number 1 changes the bid time from 2:31 PM ET to 3:01 PM ET on the same day, Thursday, March 22nd, 2018

9. Additional Questions

- Questions subsequent to the pre-bid meeting will be received via email at chostetler@dnr.in.gov by the close of business on Thursday, March 8th, 2018.
- Any clarification points will be provided on the AML Construction Page ftp site, <http://myshare.in.gov/dnr/reclamation/aml/ftp/Projects/ftp.aspx>, no later than Thursday, March 15th, 2018.

CJH 3/2/18

END