

## PRE-BID MEETING SUMMARY

### PROJECT NO. E008304 AML Site 345, Linton No. 1

Location/Date/Time: On-site – Thursday, August 1<sup>st</sup>, 2019 – 10:00 AM 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

- Andy Ripley, Field Operations Coordinator
- Chris Hostetler, Chief Engineer
- Kit Turpin, Project Management Supervisor
- Jay Akes, Project Manager
- Hannah Walker, Environmental Specialist
- Greg Ubelhor, Project Manager

#### 2. Other Attendees

- See sign-in sheet

#### 3. Bid Information

- The plans and specifications are available at [www.in.gov/dnr/engineer/2908.htm](http://www.in.gov/dnr/engineer/2908.htm). (DNR Projects Bidding Information page)
- The bids are due in Indianapolis, as described in the NTB.
- The bid opening is scheduled for Thursday, August 22<sup>nd</sup>, 2019 at 1:31 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 (mid to late October).
- 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 two hundred and ten (210) calendar days.
- There is a **penalty assessment** for late completion at a rate of \$500.00 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)

## 5. **Brief Project Description**

- The work consists of the construction of a passive treatment system to reduce acid mine drainage from a gob pile that is creating water problems and a clogged stream. The passive treatment system consists of successive alkalinity-producing anaerobic wetlands. The area will be revegetated to enhance wildlife habitat.

## 6. **General Comments**

- An NPDES discharge permit is required for this project. Additional NPDES points can be added to facilitate construction sequencing.
- AML has collected water samples and the information will be available with the other project documents on the Division of Engineer's website. Flow varies widely at the site.
- Access is off of State Road 59, so no county road bond is necessary. The Division has obtained a permit from INDOT for the construction of a Class V drive with 60 linear feet of a 42" x 29" corrugated metal pipe arch culvert. As noted in the special provisions, the Contractor and all Subcontractors shall sign INDOT's "Additional Disclosure" form. The driveway shall be constructed in accordance with all INDOT standard specifications, all standard drawings, general provisions of the permit, the INDOT Driveway Permit Manual, and the manufacturer's recommendations. The primary access route is permanent and shall remain after construction.
- As noted in the special provisions, the cost of the Class V Driveway shall be included in the lump sum portion of the base bid with the exception of the compacted aggregate for the surface and revetment riprap and geotextile for outlet protection. The access gate shall be included in the lump sum portion of the bid.
- Initial access through the existing drive will only be allowed for the construction of the primary access route. All other construction ingress and egress shall be from the new entrance.
- A large staging area has been provided for the storage and mixing of organic substrate materials. The landowner is a bee keeper and the hives are located just north of the staging area. The hives cannot be moved. The Contractor shall be aware of their location and exercise care regarding dust, especially lime dust. Keeping agricultural lime wet shall be the primary preventative measure with other measures as needed.

- Silt fence shall be installed as noted on the plans and in the specifications prior to any land disturbing activities.
- Potential bat habitat trees have not been identified or cleared prior to this project. Contractor shall complete the felling of all trees equal to or greater than 3 inches in diameter at breast height ahead of the March 31st deadline to minimize impacts on the Indiana bat, *Myotis Sodalis*.
- The site was surface mined in the 1930s and 40s. The area under the main building on the property was spoil ridges. This area was subsequently covered with a gob pile. In the early 1970s the mining company covered the gob pile.
- 3 sources of acid mine drainage: seep at the gob pile, stream from the north carrying seeps from the gob pile, and the smaller acid pit to the west. Each will be treated with anaerobic wetlands and sediment ponds interconnected with flow leveling drainage structures to accommodate large flow.
- The seep at the gob pile drains into the large acid pit. For the most part, the large acid pit will be filled in and drainage will be directed north into a series of two sediment ponds and two anaerobic wetlands. The berm around Lake Julia will be lowered and an outlet will be established with a drainage ditch. Silt fence shall be installed around Lake Julia in accordance with the plans and specifications. The Contractor shall not disturb Lake Julia or the good water to the south in any way.
- The drainage from the ditch to north will be directed into a series of two sediment ponds and two anaerobic wetlands.
- The drainage from the acid pits to the west will be directed into a single anaerobic wetland.
- All flows will combine in sediment pond number 4 and flow through sediment ponds 5, 6, 7, 8, and 10 before leaving the site.
- Low water crossing D and Ditch Line F will be established to create a stormwater bypass into sediment pond 9.
- Organic substrate mixture consists of straw/hay, compost, wood chips, and lime in accordance with the special provisions and the volume percentages noted on the plans.
- The trees cleared for construction shall be chipped for use in the organic substrate mixture. If there are not enough wood chips from chipping the cleared trees, the Contractor shall haul in wood chips that will be paid for in accordance with the supplemental unit prices. If there are wood chips left over, the remaining wood chips shall be spread and incorporated with other soil amendments in the areas designated for tree planting seed mix. The cost of chipping trees and incorporating any leftover chips shall be included in the lump sum portion of the base bid. The supplemental unit price item "Wood Chips" shall only be used for commercial wood chips brought in from off-site.
- Water for mixing substrate and dust control will be available from one of the three pits adjacent to the project limits.
- The pit at the southeast corner will remain and connect to sediment pond 6 to provide dilution water to the system.

- The majority of borrow material will come from the spoil on the east end of the project.
- There are four stop log structures to be constructed at the outlets of the anaerobic wetlands. They are shown on the site plan and detail sheets in the plans.
- There are 11 low water crossings to be constructed to aide in post-project monitoring and maintenance. They are shown on the site plan and detail sheets in the plans. Low water crossing D will have a concrete surface as shown in the detail.
- There are significant quantities of unsuitable material removal and disposal in areas noted on the site plan and sections sheets in the plans.
- The revegetation plan includes warm season grasses, wetland, field, and tree planting seed mixtures.
- Note the time limitations on the Title Sheet of the plans. The landowner occasionally hosts events on the property on weekends. The Contractor shall not work Fridays after 4:00 PM, Saturdays, or Sundays unless otherwise approved by the Engineer.
- Sanitary conditions (portable toilet) shall be made available prior to mobilization of equipment.
- A water truck is required to be on site at all times to prevent dust.
- The project is required to be kept in a neat and orderly fashion.

## 7. Questions and Comments

**Q.** Will utilities be located before constructing the primary access route? If utilities need to be moved, will the cost for moving utilities be reflected in the remediation allowance?

**A.** Yes. In accordance with the specifications, the Contractor shall call in a utility locate prior to any land disturbing activities. The Division does not anticipate utility relocation and will cover the cost of utility relocation, if required.

**Q.** With the high flow storm events that occur at the site, is the Contractor responsible for the water quality during these events that are out of their control?

**A.** There are provisions in the NPDES permit for storm water events. It is the intention of the Division that the Contractor shall ensure protection of constructed berms from damage during high flow storm water events and shall monitor discharges at the end of the pump hose while pumping water. The Contractor will only be responsible when causing a discharge through a conveyance as defined by the Clean Water Act.

**Q.** Is there enough aggregate in the base bid quantities to rock the entire constructed access route and staging area?

**A.** The Division will issue a clarification to answer this question.

**Q.** What construction materials and equipment can be brought in through the existing entrance?

**A.** Initial access through the existing drive will only be allowed for the construction of the primary access route. All other construction ingress and egress shall be from the new entrance.

**Q.** Can acid mine drainage flocculent be buried with unsuitable material?

**A.** Yes, acid mine drainage floc is unsuitable material and shall be placed in the unsuitable material disposal areas as noted on Sheet 5.

**Q.** Does any material need to be excavated out of the existing water body on the east side of the grading limits before placing fill?

**A.** Excavation of material from the existing water body on the east side of the grading limits will only be necessary to facilitate equipment and the placing of unsuitable material or fill.

**Q.** Will discharged water from the existing water body on the east side of the grading limits need to be treated when placing unsuitable material?

**A.** Yes, water shall be tested and treated when causing a discharge in accordance with NPDES regulations.

**Q.** Does the contractor need to follow the sequence of A-B-C as shown in plans?

**A.** Yes.

**Q.** Other than fill areas in A, B, and C, are there any other construction sequences the contractor needs to follow?

**A.** No. However, the Contractor's progress schedule shall be approved by the Engineer in accordance with 4.10 of the General Conditions (page 37 of the Project Specifications).

**Q.** Is there a required depth of overexcavation below design grade in unsuitable material removal areas?

**A.** The Division will issue a clarification to answer this question.

## **8. Addendum Items**

–None at this time

## **9. Additional Questions**

–Questions subsequent to the pre-bid meeting will be received via email at [aripley@dnr.in.gov](mailto:aripley@dnr.in.gov) by the close of business on Thursday, August 8<sup>th</sup>, 2019..

–Any clarification points will be provided on the AML Bidding Information page, <https://www.in.gov/dnr/engineer/2908.htm> no later than Thursday, August 15<sup>th</sup>, 2019.

**ABR 8/1/2019**

**END**