

PRE-BID MEETING SUMMARY

PROJECT NO. E008185 AML Site 345, Linton No. 1

Location/Date/Time: On-site – Thursday, October 25th, 2018 – 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

- Kit Turpin, Project Management Supervisor
- Jay Akes, Project Manager
- Chris Hostetler, Project Engineer
- Mark Stacy, Environmental Specialist
- Stephen Floreck, GIS Inventory Specialist
- Andy Ripley, Field Operations Coordinator

2. Other Attendees

- See sign-in sheet

3. Bid Information

- The plans and specifications are available at the DNR Division of Engineering bidding page 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, November 15th, 2018 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 DNR AML Reclamation page, <https://www.in.gov/dnr/reclamation/2477.htm>
- A contract and purchase order may be in place within 6-8 weeks from the bid date (late December/early January).
- 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 Three Hundred (300) 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.
- 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 Contractor shall make all efforts necessary to not disturb the bees, including, but not limited to, dust control.
- 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 smaller acid pit to the west will be directed into a single anaerobic wetland.
- The three areas will combine in sediment pond number 6 and flow through sediment ponds 7, 8, and 9 before leaving the site.
- 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.
- The pit at the northeast corner of the project will be for the most part filled in.
- The pit at the southeast corner will remain and connect to sediment pond 6 to provide dilution water to the system. This pit will also have an overflow to bypass larger flows around the system.
- A significant quantity of the borrow material will come from the spoil on the northeast and southeast corners of the project.
- Sediment pond 5 collects water entering the project limits from the southwest and connects to sediment pond 6.
- There are five 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 16 low water crossings to be constructed to aid in post-project monitoring and maintenance. They are shown on the site plan and detail sheets in the plans.
- 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 hosts some events on the property on the weekend. 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. Is the primary access route to be constructed for the site intended to be permanent?

A. Yes.

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. What is the current water quality leaving the site?

A. Field collected water data is available on the DNR Division of Engineering Bidding Page.

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 good water on site for mixing substrate?

A. A good water source for mixing substrate has not been identified on the plans. There are several good water sources located with or directly next to the project limits. It is the intention of the Division to further identify allowable good water sources through a clarification or addendum document.

Q. Is there an estimate of how much water treating will need to be performed?

A. The Division has estimated the amount of Sodium Hydroxide that may be required to treat water at the site. The estimate is 5,000 gallons of Sodium Hydroxide. It is divided into both 20% and 50% solutions as temperature conditions dictate the appropriate mixture.

Q. Will water need to be treated throughout the construction process?

A. Water will need to be treated in accordance with the specifications which require compliance with the NPDES permit.

Q. Is there enough suitable material on site to construct berms?

A. The Division made every effort in designing the grading plan to ensure there is enough suitable material within the grading limits. As with all AML projects, the variability and unknowns of the surface mine spoil can lead to having too much material as well as a shortage of material. The Division has typically been able to work with contractors to come up with economical solutions to earthwork problems that are acceptable to all parties.

Q. Do we need to excavate all of the unsuitable material?

A. Yes. The unsuitable material shall be excavated based on the average depths listed on the plans and to achieve the final grades.

Q. Do all berms and sediment ponds need to be compacted fill?

A. All berms shall be constructed of compacted fill. The bottoms of the sediment ponds and anaerobic wetlands do not need to be compacted. The space is just needed to hold the water in sediment ponds and hold the rock and organic substrate in the anaerobic wetlands.

Q. What is to be done with excavated unsuitable materials?

A. Disposal areas are identified on the plans.

Q. Do you expect excavation to get close to the water table?

A. Yes, the contractor shall dewater to facilitate construction.

Q. Will unsuitable material such as sediment and iron flocculant likely need to sit out and dry before moving to disposal areas?

A. Yes.

Q. Would the Division be able to expand project limits to allow for additional areas to dry material?

A. No. As construction progresses, some borrow areas may become available to dry materials.

Q. The landowner has Honey Bees that are located in close proximity to the mixing area where ag lime will be stockpiled. Dust from the lime is potentially a problem and can cause bee death. Is there any chance the bees can be moved? If not, what actions need to be taken to assure the bees are not negatively impacted?

A. It is unlikely that the bee hives will be able to be moved. The Division will further consult with the landowner and provide more information in a clarification document.

Q. Do you know how deep it is until you hit fire clay?

A. No. The Division does not anticipate encountering any fire clay.

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 by the close of business on Thursday, November 1st, 2018.

–Any clarification points will be provided on the DNR Division of Engineering Bidding Information Page, <http://www.in.gov/dnr/engineer/2908.htm>, no later than Thursday, November 8th, 2018.

ABR 10/25/2018

END