

## **BID ITEM 21014 – CONSTRUCTION ENTRANCE**

Work under this bid item shall be in accord with the City of Madison Standard Specifications for Public Works Construction. Construction Entrances shall be located by the Construction Engineer and the Contractor based on site needs. The Contractor shall be aware that specifications call for a construction entrance to be 50' long, construction of an entrance not meeting this specification will result in no payment for this item not a partial payment.

## **BID ITEM 90030 - EROSION CONTROL PLAN & IMPLEMENTATION**

### **DESCRIPTION**

Work under this item shall include all work required to update, create, submit for review & approval and implement an erosion control plan specific to the Contractor's proposed staging and planned methods for construction of the project. The intent of this item is that once a Contractor has been selected the base erosion control plan created by the Engineering Staff shall be updated by the Contractor to reflect the means and methods proposed for construction of the project. Items necessary for construction shall be paid under the appropriate bid item. Creation, by the Contractor, and all work required to obtain approval of this plan, by Engineering staff, and the initial site walk with Engineering staff to approve the initial installation shall be included under this bid item.

The Contractor shall understand that a comprehensive phased plan is required to meet this requirement showing the Contractors approach to minimize the disturbed area at any given time.

As part of this item the Contractor is required to submit a minimum of two (2) phases for construction with no maximum number of phases. The Contractor shall not simply resubmit the plan provided with the plan set as what they intend to implement.

This revised plan/s will be submitted to the WDNR for their information

### **METHOD OF MEASUREMENT**

Erosion Control Plan & Implementation shall be measured as a lump sum for all work required to create and obtain approval for the plan for all phases of the project.

### **BASIS OF PAYMENT**

Erosion Control Plan & Implementation shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as set forth in the description.

## **BID ITEM 90031 – POLYMER STABILIZATION**

### **DESCRIPTION**

Work under this item shall include placing polymer on bare ground to stabilize the area. This item shall be used as directed by the Construction Engineer to stabilize areas that are prone to erosion during construction. Note that this item is not intended to cover polymer to be included with all seeding (which shall be compensated as part of the seeding bid items) but shall cover supplemental polymer stabilization of erosion-prone areas during construction.

Polymer shall be applied in conformance with WDNR standard 1050 for Land Application of Anionic Polyacrylamide.

### **SOIL STABILIZERS**

Soil stabilizers are intended as soil bonding agents to prevent or minimize erosion. They must be environmentally benign; harmless to fish, wildlife, and plants; along with being non-toxic and non-combustible at the rate of application specified by the manufacturer. Asphalt based products will not be approved for use. Only products approved for field-testing, and field-tested by WDOT will be approved for use.

Polyacrylamide Soil Stabilizers shall conform to the WDOT's Product Acceptability List (PAL) for Soil Stabilizers, Type B.

### **Construction Methods**

1. Application is intended to be done with conventional hydraulic seeding equipment. Polyacrylamide Soil Stabilizer may also be placed through dry spreading.
2. Application rates shall be as recommended by the manufacturer and shall meet the approval of the engineer. In general, rate of application shall be 20 lbs./acre.

### **METHOD OF MEASUREMENT**

Polymer Stabilization shall be measured by the square yard, in place.

### **BASIS OF PAYMENT**

Polymer Stabilization shall be measured as above and paid for at the contract price shall be full payment for all work, materials and incidentals to complete the work in accordance with the description.

## **BID ITEM 90032 – STREET SWEEPING**

### **DESCRIPTION**

Work under this item shall include street sweeping all streets affected by construction equipment or hauling. Street sweeping shall be completed as directed by the Construction Engineer and shall remove all loose material to the satisfaction of the Construction Engineer. It is expected that sweeping may be required on a daily basis depending on the hauling methods utilized by the Contractor.

### **METHOD OF MEASUREMENT**

Street Sweeping, as described above shall be measured by lump sum for the duration of the project.

### **BASIS OF PAYMENT**

Street Sweeping, as measured above, shall be full compensation for all work, materials and incidentals to complete the work as described above.

## **BID ITEM 90033 – PROVIDE & INSTALL INLET PROTECTION TYPE D MODIFIED**

### **DESCRIPTION**

Work under this item shall include provision and installation of inlet protection measures at the locations shown on the Plans in accord with Standard Detail Drawing 1.04 of the City of Madison Standard Specifications for Public Works Construction–2007, or in locations selected by the Field Engineer. The Standard Detail Drawing shall be modified such that the inlet protection material used to construct the bags is made of WDOT TYPE HR fabric or approved equal.

It is the intent of the design engineer that Type D inlet protection be utilized on all existing and newly constructed inlets.

### **METHOD OF MEASUREMENT**

Inlet Protection Type D Modified shall be measured as a complete unit as installed in the field.

### **BASIS OF PAYMENT**

Inlet Protection Type D Modified shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as set forth in the description.

**BID ITEM 90034 – MAINTAIN INLET PROTECTION TYPE D MODIFIED**  
**DESCRIPTION**

Work under this item shall include maintenance of inlet protection TYPE D MODIFIED at locations throughout the project. This work shall include but not be limited to removal of any sediments collected on the erosion fabric, disposal or reuse of the sediments at a location provided by the Contractor (this location shall be stable and have sufficient erosion control), cleaning of the fabric, or replacement of the fabric with a new insert while the existing material is being cleaned off-site.

**METHOD OF MEASUREMENT**

Maintain Inlet Protection Type D Modified shall be measured as each inlet is maintained in the field.

**BASIS OF PAYMENT**

Maintain Inlet Protection Type D Modified shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as set forth in the description.

**BID ITEM 90035 – REMOVE INLET PROTECTION TYPE D MODIFIED**

**DESCRIPTION**

Work under this item shall include removal of inlet protection TYPE D MODIFIED at locations throughout the project. This work shall include but not be limited to removal of any accumulated sediments collected on the erosion fabric, disposal or reuse of the sediments at a location provided by the Contractor (this location shall be stable and have sufficient erosion control), removal of the inlet protection basket/fabric/frame and disposal of this material and cleaning of any sediment that exists in the storm structure where the material is installed. This removal does not include vacuole style cleaning of any catchbasin sumps that exist in structures that is paid with a separate item.

**METHOD OF MEASUREMENT**

Remove Inlet Protection Type D Modified shall be measured as each inlet is maintained in the field.

**BASIS OF PAYMENT**

Remove Inlet Protection Type D Modified shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work,

materials, labor, and incidentals required to complete the work as set forth in the description.

### **BID ITEM 90036 - EROSION CONTROL INSPECTION**

#### **DESCRIPTION**

The Contractor shall inspect the construction site within 24 hours of the end any rain event exceeding ½” in total depth. Upon completion of this inspection the Contractor shall provide an email report with photos of each erosion control practice being used to the City Engineer. This report shall document the status of all active erosion control measures and needed repairs. If repairs are needed the Contractor shall make those repairs within that same 24 hour period after the end of the rain event, and document those repairs in a second report, meeting the same requirements as the initial report.

Repair of the practices is included under the respective bid items for the various erosion control practices not under this bid item.

For purposes of this bid item the rain event shall be measured at a gauge that shall be provided at preconstruction meeting. The gauge identified shall be available on the internet to allow remote checking of the rain depth.

#### **METHOD OF MEASUREMENT**

Erosion Control Inspection shall be measured as each inspection is successfully completed and approved by the City Engineer and required repairs made.

#### **BASIS OF PAYMENT**

Erosion Control Inspection shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as set forth in the description.

### **BID ITEM 90037 – CLEAN SUMP**

#### **DESCRIPTION**

Work under this item shall include vector removal of any sediments that have accumulated in the sumps of any Catchbasins constructed as part of the project. This work shall include but not be limited to removal of any sediments collected on the erosion fabric, disposal or reuse of the sediments at a location provided by the Contractor (this location shall be stable and have sufficient erosion control).

#### **METHOD OF MEASUREMENT**

Clean Sump shall be measured as each catchbasin sump is cleaned in the field.

## **BASIS OF PAYMENT**

Clean Sump shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, labor, and incidentals required to complete the work as set forth in the description.