

## CONSTRUCTION SPECIFICATION

### 470. MAINTENANCE ACCESS ROAD

#### 1. SCOPE

The work shall consist of furnishing all materials, equipment and labor to construct the maintenance access road at the location shown on the drawings. The maintenance access road involves three reaches. Reach one consists of the existing strip mine road. Reach two consists of the section of access road from the existing strip mine road to the woods and reach three consists of the section of access road from the edge of the woods into the project site.

#### 2. MATERIALS

Material shall conform to the requirements of PennDOT Form 408, Specifications; Section 703.2, Course Aggregates.

#### 3. SUBGRADE PREPARATION

The subgrade surface on which the road base is to be placed shall be free of all organic matter, loose soil, foreign substances and surface irregularities.

#### 4. PLACEMENT

Road base shall not be placed until the subgrade preparation is completed and the subgrade surface has been inspected and approved by the Engineer.

The materials shall be placed in a manner to avoid segregation of particle sizes and to insure continuity and integrity of the road.

#### 5. COMPACTION

The road base shall be compacted by one of the following methods or an approved equivalent method:

- (a) At least four (4) passes, over the entire surface, of the track of a crawler-type tractor exerting not less than 7-psi ground pressure.
- (b) At least two (2) passes, over the entire surface, of a pneumatic-tired roller exerting a pressure of not less than 75 pounds per square inch. A pass is defined as at least one passage of the roller wheel, track, tire or drum over the entire surface layer.

6. MEASUREMENT AND PAYMENT

For items of work, for which specific lump sum prices are established in the contract, payment for access road will be made at the contract lump sum price. Such payment shall constitute full compensation for all labor, equipment, tools and all other items necessary and incidental to the completion of the work.

Compensation for any item of work described in the contract but not listed in the bid schedule will be included in the payment for the item of work to which it is made subsidiary. Such items and the items to which they are made subsidiary are identified in Section 7.

7. ITEM OF WORK AND CONSTRUCTION DETAILS

Items of work to be performed in conformance with this specification and the construction details therefore are:

A. **Bid Item 20; Maintenance Access Road**

- (1) This item consists of constructing reach two and reach three and maintaining reach one during the construction phase of the project. Construction of the access road includes the geotextile underlayment, shale or equivalent fill material, the stream crossing culvert and erosion protection, and the gate as shown on the drawings.
- (2) The road shall be used for construction access to the site and shall remain in place for maintenance of the site. When construction is completed reach two and reach three of the road shall be graded and a 3-inch layer of compacted No. 2A course aggregate shall be installed on the center 10-foot travel lane.
- (3) Maintenance of reach one of the access road will consist of maintaining the existing strip mine road in as good or better condition as that existing at the start of the project. This includes:
  - (a) Maintaining the entrance of the existing strip mine road onto SR 2013, to prevent project construction vehicle traffic from trailing mud onto the State road.
  - (b) Repairing any damage to this section of road that might result from use by project construction vehicles and material delivery vehicles.

Repairs will be made by the addition of shale and/or grading as needed.

Items of work subsidiary to this bid item are:

- (a) Geotextile – PennDot Class 4 as specified in Form 408 Section 735. Install according to Section 212.3(e) of Form 408.
- (b) Pipe Culvert – Corrugated Steel Pipe as specified in Form 408 Section 601.2(a)4.b. Install according to Section 601.3(c).
- (c) Pipe Gate – Install gate across access road as detailed on the drawings in location as directed by the NRCS Representative.