

Construction Specification 404 --- Access Road

1. Scope

The work shall consist of furnishing all materials, equipment, and labor to construct the access road as outlined in this specification and on the drawings.

2. Materials

Embankment material shall conform to the requirements of Penn DOT Form 408, Specifications, Section 206.

Pipe culverts, if specified, shall conform to the requirements of Penn DOT Form 408, Specifications, Section 601.2(a).

Coarse aggregates shall conform to the requirements of Penn DOT Form 408, Specifications, Section 703.2.

Geotextile fabric, if specified, shall conform to the requirements of Penn DOT Form 408, Specifications, Section 735.

Rock erosion protection, if specified, shall conform to the requirements of Penn DOT Form 408, Specifications, Section 850.

3. Foundation preparation

The foundation surface on which the embankment material is to be placed shall be free of woody vegetation, loose soil, foreign substances and surface irregularities.

4. Placement

Material 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

Embankment material 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 (approximate D-6 dozer with regular tracks).
- (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. Items of work and construction details

Items of work to be performed in conformance with this specification and construction detail are:

a. Bid Item 25, Access Road

- (1) This item consists of constructing and maintaining an access road to the site. This includes furnishing and installing the geotextile fabric, the shale or equivalent embankment material, the stream crossing culverts and the rock erosion protection, all as shown on the drawings.
- (2) The geotextile fabric shall be Penn DOT Class 4, Type B and shall be installed according to Section 212.3(e) of Form 408.
- (3) The rock shall be obtained from a source listed in the current edition of Penn DOT Bulletin #14. The gradation shall comply with the requirements of NSA No. R-4 graded stone with a maximum size of 12", an average size of 6", and a minimum size of 3".
- (4) The pipe culverts shall be 48" diameter coated corrugated galvanized steel pipe meeting the requirements of Section 601.2(a) 4.d of Form 408 and shall be installed according to Section 601.3(c).
- (5) 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 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.
- (6) The existing access road on the old railway grade shall be maintained in as good or better condition as that existing at the start of this project. This includes, but may not be limited to:
 - (a) Maintaining the entrance of the existing road onto the State road 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.