

NOTES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

14
62

MUSKINGUM COUNTY
MUS - 156 - 2.85

DESIGN SPEED

The geometrics of this project have been planned for a design speed of 50 miles per hour.

TRAFFIC

Two way traffic shall be maintained at all times during the construction of the project.

The Contractor's attention is directed to the following section of the Construction and Materials Specifications: G-4.05 Maintenance of Local Traffic, G-7.06 Public Convenience and Safety, G-7.07 Barricade, Danger and Warning Signs and T-35.23 Protection of Wearing Course.

In order to maintain two way traffic at all times during the construction of this project, the following procedure will be followed:

- (1) Commence construction at station 200+0 and complete grading operations to End of Project including temporary roadway and embankment from station 204+50 to station 210+81.47 as indicated on cross sections. Then place temporary roadway 18' wide of T-10 & M-10 from Sta. 201+00 to Sta. 210+81.47.
- (2) Construct the connecting roadway to existing State Route 156 at station 201+50 to be used as detour during the construction of the Pleasant Valley Dike and relocated SR-156-3 & 4.
- (3) Proceed with construction of the remainder of the project.

From station 150+00 to station 156+00 part width construction and temporary pavement shall be utilized as indicated on the cross sections to maintain traffic.

Quantities of Item T-10 traffic compacted surface course and calcium chloride as per section M-10.20 have been included in the General Summary for the maintenance of traffic.

The method of handling traffic described herein may be varied, subject to approval by the Contracting Officer, provided there is no additional inconvenience to the traveling public, and no additional cost to the contract.

E-9 TREE AND STUMP REMOVAL

All trees and stumps lying within the construction limits of this project shall be removed under the lump sum bid for Removal of Trees and Stumps, Item E-9, unless work is indicated in these plans to preserve same.

SIZES	12"-18"	18"-24"	24"-30"	30"-36"
TREES	145	19	22	2
STUMPS				

SEEDING AND PROTECTING

Quantities for seeding Item L-9 are calculated for the soil areas 2 feet beyond the work limits as shown on the cross sections and payment shall not be made for seeding beyond these limits.

Slopes in shale or rock shall not be seeded.

Rate of sowing and seed mixture shall conform to the requirements of Sec. L-9.11.

Quantity for payment shall be based on final measurement after Item L-9 is completed.

AGRICULTURAL LIMING MATERIALS

The location and need for agricultural liming materials will be determined by laboratory tests, after rough grading operations have been performed. Quantities of agricultural liming material, as shown on the plans, are sufficient for the entire project, but will be non-performed for the areas where tests show that the liming material is not needed.

NORMAL SHOULDERS AND DITCH CONSTRUCTION

All angles of change of slope shall be rounded as shown on typical sections.

PRESERVATION AND RESTORATION OF CORNERSTONES, MONUMENTS AND LANDMARKERS

Existing cornerstones, monuments, and landmarks within the Right of Way of the proposed highway shall be protected, referenced, and preserved or replaced as outlined in Sec. G-7.09 of the Specifications, except that payment to the Contractor for work incidental to the installation of cornerstones, monuments and landmarks shall be included in the unit price bid for Item E-1, Roadway Excavation.

PART WIDTH CONSTRUCTION

Because of the necessity of building this project under traffic and constructing the pavement part at a time, extreme care shall be taken to prevent the construction of a butt joint on centerline in the B-19 and I-22 courses.

This shall be accomplished by building the B-19 and I-22 courses, placed with the first portion of the pavement built, at least eighteen (18) inches beyond the centerline and by surfacing no closer than eighteen (18) inches to this edge of the above courses. When the second portion of the pavement is built, at least twelve (12) inches of these projecting courses shall be broken down and thoroughly keyed in with the newly placed corresponding courses in the second portion of the pavement built. Payment for this operation shall be included in the unit prices bid for the pertinent pavement items.

REFERENCE DATUM

All elevations shown on these plans are in reference to North American Datum (U. S. G. S.).

REPLACEMENT

The Contractor will be required to replace in kind, at his own expense, any sidewalk, pavement, walls, castings or similar item outside the work limits shown on the plans that may be damaged by his operations or equipment during construction of this project.

ROADWAY

REMOVALS

All items marked for removal shall become the property of the Contractor unless otherwise noted and shall be disposed of by him. When pipe is marked for removal and headwalls, catch basins, manholes, or encasements are involved, the cost of removal and disposal of these items shall be included in the unit price bid for Item E-12 Pipe Removal.

SCARIFICATION OF EXISTING FLEXIBLE PAVEMENT

Within the limits of construction where the existing flexible pavement will have less than six (6) inches of fill placed upon it, the pavement shall be thoroughly scarified for its full depth, mixed with sufficient soil and properly recompacted to insure the elimination of any planes of separation between it and the embankment placed thereon. Payment for scarification as described above shall be included in the unit price bid for Item E-1, Roadway Excavation.

PAVED OR SODDED DITCHES

Paved or sodded ditches have been provided for all waterways where erosion may occur. The Contracting Officer may make minor relocations or he may omit paving or sodding if conditions encountered during construction warrant such action.

PREPARATION OF AREAS TO BE SODDED

The cost of earthwork necessary to accomplish the preparation of areas to be sodded is included in the unit price bid per sq. yd. for Item L-10 Sodding. Commercial fertilizer (12-12-12) shall be applied at the rate of 20 lbs. per 1000 sq. ft. of area and agricultural liming materials shall be applied at the rate of 100 lbs. per 1000 sq. ft. of area. Both shall be worked into the soil prior to laying the sod. The sod bed shall have two inches of loose soil on which sod is laid after excavation for sod thickness.

UTILITIES

Existing telephone facilities located within the proposed Right of Way are to be relocated or adjusted as a part of this contract.

Existing power facilities located within the proposed Right of Way are to be relocated or adjusted as a part of this contract.

Existing gas line located within the proposed Right of Way shall be encased as a part of this contract.

Utility owners:

- ☐ - Ohio Bell Telephone Co.
- ☐ - Guernsey Muskingum Electric Co.
- ☐ - National Gas & Oil Co.

The Contractor shall notify, at least 48 hours before breaking ground, all public service corporations having wires, poles, pipes, conduits, manholes or other structures that may be affected by this operation.

GAS LINE ENCASEMENT

Where Item Special, Pipe for Encasement is called for on these plans, the operations for the completion of this item shall be performed in accordance with the following sections of the State of Ohio Department of Highways, Construction and Material Specifications:

- Excavation shall conform to Sec. E-2.
- Field joints shall be specified in Sec. M-6.4(a)9.
- Backfilling shall conform to Sec. E-2.

This item shall be paid for at the unit price bid per linear foot, measured in place, of each size of pipe for "Item Special, Pipe for Encasement" which price shall constitute full compensation for furnishing, preparing and placing all materials and for all labor, equipment, tools and incidentals necessary to complete this item.

Payment for adjusting the existing gas line to be encased shall be included in the lump sum bid for "Item Special, Gas Line Removed, Relocated or Adjusted".

UNDERGROUND UTILITIES

The locations of the underground utilities shown on these plans have been obtained by a diligent field check and a search of available records. It is believed that they are essentially correct, but the United States of America makes no guarantees as to their accuracy or completeness.

DRIVEWAYS

The number and location of driveways shown on these plans are according to the needs at the time the plans were being prepared.

The actual number of driveways to be constructed shall be determined prior to the award of contract. The contracting officer may adjust, relocate, or non-perform driveway construction, dependant upon the needs as determined by real estate acquisition.

SUBBASE DRAINAGE IN ROCK OR SHALE

In lieu of the provisions of Sec. E-105(b) the subbase shall be extended only 6 inches beyond the edges of the B-19 base in areas where rock, shale or coal is encountered in the subgrade. Drainage for the I-22 subbase and the B-19 base shall be provided using I-9 stone drains as indicated on the typical sections.

I-9 STONE UNDERDRAINS NO. 2

Stone underdrains No. 2 have been provided to drain the base of all sections of pavement.

These stone underdrains shall be placed at intervals of 100 ft. on each side of the pavement and staggered, except in super-elevated sections where they shall be placed at intervals of 50 feet on the low side only. Extreme care shall be exercised to secure adequate outlets for the stone underdrains. Outlets must be free of straw or earth after seeding operation. Cost of cleaning straw or earth from the outlets shall be included in the unit price bid per square yard for Item L-9, Seeding and Protecting.

ITEM SPECIAL SAND FILTER

In the event that E-1 rock embankment is used for the full width of the fill section in lieu of the location as shown on cross sections, that portion of the Item Special 6" Sand Filter below the top of such full width rock embankment shall be non-performed.

ROCK EMBANKMENT PROTECTION

Rock obtained from E-1 Excavation shall be placed on the fill slopes at the location of the bridge as shown on the drawings. Such rock shall consist of sound and durable rock and shall be carefully dumped in place with the larger rock at the outer face and the smaller rock and spalls near the face of the slope. Care should be exercised in dumping the rock to insure a reasonably smooth and continuous surface and to conform to the slope lines indicated on the drawings.

At least 50% of the pieces of rock shall weigh at least 75 pounds.

PLACING SOD IN DITCHES

All sod placed in ditches shall be laid with the long edges of the strips perpendicular to the flow line of the ditch. Successive strips shall be neatly matched and all joints staggered or broken. The sod shall be staked securely with stakes placed on maximum two (2) ft. centers in rows not more than two (2) ft. apart. Stakes in adjacent rows shall be staggered. The stakes shall be wood from 1/2" x 3/4" x 12" to 1" x 1" x 24", as required to hold the sod and shall be driven flush with the top of the sod.

FENCES

The Contractor shall notify the affected property owner or owners at least 7 days prior to the removal of any fence within the construction limits.

8-19-59		REVISED IN ACCORDANCE WITH ADDENDUM NO. 1		W.M.B.	
REVISION	DATE	DESCRIPTION			BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.					
DRAWN BY:		LICKING RIVER DILLON RESERVOIR PROJECT RELOCATION OF OHIO STATE ROUTE NO. 156 (Section 3 & 4)			
TRACED BY:					
CHECKED BY: <i>Stw</i>					
SUBMITTED BY: <i>Elmer S. Barrett</i> ELMER S. BARRETT ASSOCIATES					
RECOMMENDED BY: <i>James J. Gassus</i> CHIEF ENG. DIV.		APPROVED: <i>[Signature]</i> COL. C. E. DISTRICT ENGINEER		DATE: JULY 1959	
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE:		SPEC. NO. DRAWING NUMBER 0271-UD 6-68/14 SHEET 14 OF 62	

WORK AS CONSTRUCTED

NOTES