

NOTES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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MUSKINGUM COUNTY
MUS-156-2.02

DESIGN SPEED

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

REFERENCE DATUM

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

TRAFFIC

Two way traffic shall be maintained at all times throughout the construction of this project. The traffic shall be maintained on a temporary roadway as shown on the cross sections.

An estimated quantity of T-10, Traffic Compacted Surface Course, and M-10, Calcium Chloride has been provided in the General Summary. These materials shall be placed as directed by the Contracting Officer and all such T-10 & M-10 material not needed for the maintenance of traffic shall be non-performed.

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

The Contractor shall furnish, erect, maintain, and remove barricades, lights, and signs; furnish watchmen as required; and construct, maintain, and remove temporary roadways where required. The foregoing items are included in the lump sum bid for "Maintaining Traffic."

The method of handling of traffic shown on the cross-sections may be varied subject to the approval of the Contracting Officer, provided there is no additional inconvenience to the traveling public and no additional cost to the Government.

FENCES

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

BORROW AREAS

All borrow areas shall be provided by, and at the expense of, the Contractor.

SEEDING AND PROTECTING

Quantities for seeding, Item L-9, are calculated for the soil areas between the work limits; and payment shall not be made for seeding beyond these limits.

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 for seeding 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.

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 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.

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.

UTILITIES

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

Utility owners:

& Guernsey Muskingum Electrification Cooperative, Inc.

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.

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.

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 Construction and Material 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, Method A, unclassified.

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.

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 Removed.

SCARIFICATION OF EXISTING FLEXIBLE PAVEMENT

Within the limits of construction where 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 recompact 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.

DRIVEWAYS

The Contracting Officer may adjust, relocate or non-perform driveway construction, dependent upon the needs at the time the work is being performed.

I-9 STONE UNDERDRAINS NO. 2

Stone underdrains No. 2 have been provided to drain the base of all sections of pavement, except where pipe underdrains are required.

These stone underdrains shall be placed at intervals of 100 ft. on each side of the pavement and staggered. Extreme care shall be exercised to secure adequate outlets for the stone underdrains. Outlets must be free of straw or earth after seeding operations. 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.

REVISION		DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.				
DRAWN BY:		F. H. S.		
TRACED BY:		J. C. E.		
CHECKED BY:		S. E. W.		
SUBMITTED BY:		Elmer S. Barrett		
ELMER S. BARRETT ASSOCIATES				
RECOMMENDED BY:		James J. Barner		
CHIEF ENG. DIV.		APPROVED: Steven Malovich COL. C. E., DISTRICT ENGINEER		
DATE:		September 1959		
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE:		SPEC. NO. DRAWING NUMBER 0 27f-UD12-68/3 SHEET 3 of 14

WORK AS CONSTRUCTED

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