

GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		



LAKE COUNTY
LAK.-90-356

ROADWAY

GUARD RAIL AND BARRIER RAIL REMOVED

Guard rail and barrier rail designated for removal on this project shall be carefully dismantled and the rail elements stored for either re-use elsewhere on the project or removal and delivery by the Contractor to the State's Vrooman Road Yard on SR 306. All posts, blocks, bolts and miscellaneous hardware shall be disposed of by the Contractor. All post holes shall be carefully filled and tamped and the site cleaned and restored.

The restoration will include grading of the shoulder in the area of the guard rail removal to provide proper drainage and traversable shoulder slopes where traffic or weather may have built a ridge of earth and debris under the guard rail. The graded or disturbed area shall be reseeded, except as noted below.

Payment for all of the above shall be at the unit price bid for 202 Guard Rail removed for re-use or storage or 202 Barrier Rail removed for re-use or storage, measured by the linear foot center to center of terminal posts or center of bridge connection splices.

11 203 GRADING BEHIND MEDIAN CATCH BASINS

The earth dike behind median catch basins shall be regraded where required by the Engineer to conform to the details as shown on sheet no. 47. All the necessary excavation, including regrading work, seeding and fertilizing shall be paid for at the unit price bid for the respective items.

EARTH WORK

Areas where embankment materials are to be placed shall be cleared of grass, weeds, brush, etc., but the requirements of moisture, density control and benching will not be required on this project. The depths of layers in which embankments are placed and their compaction shall, in lieu of the requirements of Item 203, conform with acceptable construction practices as determined by the Engineer. No provisions of the specifications shall be waived for embankment which supports any portion of pavement or pipe structure.

Earthwork quantities shown on the plan are only approximate and final payment will be measured by the actual cubic yards removed or completed in place.

607 TYPE 47 FENCE

Fence lines and locations shown on the plan are only approximate and may be adjusted by the Engineer for actual ground conditions. Final payment for Type 47 Fence shall be the actual linear feet of fence, complete in place. No intermediate anchor post or corner post assemblies are shown on the plan sheets, but it is not intended that the requirements of 607.05(2) shall be waived. Fence terminals at culvert ends shall be as per Standard Drawing F-5 or as directed by the Engineer. The lengths of rock channel protection for stream crossings shown on the plan are only approximate and the lengths shall be adjusted to actual field conditions. Additional stream crossings shall be provided where requested by the Engineer.

RESTORATION OF DISTURBED AREAS ASSOCIATED WITH WORK FOR GUARD RAIL AND FENCE ITEMS

The Contractor shall restore all seeded and sodded areas, paved shoulders, and all other disturbed surfaces to a condition at least equal to that existing before this work was started. All replacements shall be done in accordance with the pertinent specification items and as directed by the Engineer. Payment for all restoration work, including materials, equipment, labor, incidentals and disposal of all surplus materials, shall be included in the unit prices bid for various 606 and 607 items. A strip 3' wide under guard rail, measured 6" in front of rail, is not to be seeded.

TREES AND STUMPS REMOVED

All trees and stumps specifically marked for removal within the construction limits of this project shall be removed under the lump sum price bid for Item 201, Clearing and Grubbing.

The following is an approximate estimate of the number of trees and stumps to be removed.

Sizes	No. of Trees	No. of Stumps
18"	11	0

The above estimate is approximate and the State of Ohio reserves the right to order the removal of additional trees or stumps outside of the limits of construction but within the right-of-way and or easement lines. Payment for the removal of these additional trees or stumps shall be included in the lump sum price bid for Item 201, Clearing and Grubbing.

DRAINAGE

EROSION CONTROL

Items 601 and 667 are provided in the plans for erosion control. Rock of a stable nature will not be removed in order to place any of these items. The Engineer shall check and non-perform quantities or adjust locations and quantities for these items where indicated by field conditions during construction.

PIPE ENDS

All culverts, whether terminating in headwalls or endwalls, shall begin and end with pipe ends as normally fabricated by the manufacturer. Ends shall not be cut to fit either skew or slope. If field cutting is found to be necessary to fit an exact length control, the cut end shall be located at an interior joint and cradle, collar or band shall be provided to assure a stable joint. Payment for the joint shall be included in the price bid for the pertinent 603 conduit item.

CONNECTIONS TO EXISTING PIPES

Where the plans provide for proposed conduit to be connected to, or to cross either over or under an existing sewer, it shall be the responsibility of the Contractor to locate the existing pipe both as to line and grade before he starts to lay the proposed conduit.

Payment for all operations described above shall be included in the unit price bid for the pertinent 603 conduit items.

MAINTENANCE OF SEWER FLOWS

The Contractor shall conduct his operations so as to maintain at all times sewer flows through existing facilities to remain in place and through existing facilities to be replaced until new facilities are completed and placed in use.

Payment for any additional costs involved in maintaining these flows by pumping or by any other means approved by the Engineer shall be included in the unit prices bid for the respective items of 603 conduit.

SUB-SUMMARY

ITEM 659 COMMERCIAL FERTILIZER (12-12-12)			
Area	Seed & Mulch	Seed & Jute Mat.	
	43,693	+ 525	= 44,218 Sq. Yds.
Commercial Fertilizer needed			
44,218	Sq. Yds. x 9 x 20 ÷ 1000 x 2000 =		4.0 Tons

ITEM 659 AGRICULTURAL LIMING			
Area	Seed & Mulch	Seed & Jute Mat.	
	43,693	+ 525	= 44,218 Sq. Yds.
Agricultural Liming needed			
44,218	Sq. Yds. x 9 x 100 ÷ 1000 x 2000 =		20.0 Tons

SIGNING NOTES

202 REMOVAL OF EXISTING OVERHEAD SIGN SUPPORT

This work shall consist of the removal and dismantling of the existing overhead sign support shown in the plans.

Work shall also include removal of sign support foundations as required in section 202.

The support, and accessories removed shall be stored neatly within the limits of the project at locations approved by the Engineer for removal by State forces. This work shall include disposal of all waste material.

To assure maintenance of adequate traffic control at all times, no signs are to be removed without the approval of the Engineer.

Removal of the existing illuminated sign is covered under a separate pay item.

Payment for removal of the existing sign support shall include all necessary labor and equipment required to perform the required work as indicated above.

Basis of payment shall be at the contract price per each for, Removal of Existing Overhead Sign Support

ITEM 202, REMOVAL OF EXISTING MILE MARKERS

The work shall consist of the removal of existing mile markers as noted in the plans.

The support, face and hardware shall be removed by the Contractor and disposed of as per Item 202.

Payment for the removal of existing mile markers shall include all necessary labor and equipment required to perform the work as indicated above.

Basis of payment shall be at the unit price bid per each, for Removal of Existing installations

SCALE No Scale HOWARD, NEEDLES, TAMMEN & BERGENDOFF
MADE ASC DATE 6-2-72 CONSULTING ENGINEERS
TRCD DATE 6-5-72
CKD RAC DATE 6-5-72 KANSAS CITY CLEVELAND NEW YORK