

# GENERAL NOTES

## ITEM 507 BEARING PILES:

All piles shall be cast in place reinforced concrete piles and shall be driven to a minimum bearing capacity of 20 tons.

The piles shall then be cut to the proper elevation and filled with type C concrete. The piles steel casings will be furnished by the State at their Warrensville Yard, located at 25609 Emery Road Warrensville Hts, Ohio. The contractor shall transport the steel casings (Each 12" Steel Casing is Approximately 55 ft. long) To the job site and place as indicated by plan. The cost of transporting the steel casings shall be included in the unit price bid for this item.

## ITEM 513 STRUCTURAL STEEL:

The State shall furnish at their Division 4 Yard 705 Oakwood St. Ravenna, O. 44266 9- 24 WF 84 Steel beams 49'-9" long, 28 diaphragms (See Detail "E") 35 1/2' long, 1 1/4" guard rail posts with brackets attached (See Detail "A and B") & 4 guard rail post brackets. The State shall provide at their Warrensville Yard, 25609 Emery Rd. Warrensville Hts, O. 2- 12 BP @ 53# 26'-6" long. (With out Stiffener Plates). The contractor shall provide 2 guard rail posts for attachment to guard rail post brackets, stiffener plates (See Detail "C"), bearing plates (See Detail "D") Steel beam guard rail, End Dam (2 6"x 3 1/2"x 1/2" x 25'-6"), and all hardware and welding necessary to complete erection. The cost of transporting the steel beams, diaphragms, guard rail posts and guard rail bracket shall be included in the unit price bid for this item.

## NOTIFICATION OF STATE

The contractor shall notify the State prior to picking up the steel casings and structural steel. Prior to picking up the material located at the Warrensville Yard the contractor shall notify Francis J. Patton operations Engineer at the Division 12 Office Located at 10100 Broadway Ave. Garfield Hts, Ohio, Phone 641-1930 Ext. 221 Prior to picking up the material at the Division 4 Yard The contractor shall notify Charles J. Hyde operations Engr. At the Division 4 Office located at 705 Oakwood St. Ravenna, Ohio, 216-296- 6421 Ext. 50.

## WELDING:

The Contractor shall furnish all materials, equipment, and labor necessary for all welding as per Sec. 513.23 of the State Specifications.

## ITEM SPECIAL CORRUGATED SHEET STEEL FLOOR:

The flooring shall be 3"x9" galvanized sheet steel 7gauge of the type manufactured by "The United Steel Fabricators" or an approved equal.

Plates shall be fastened at mid point in each plate span and to every beam at every corrugation valley with a connector as shown. Corrugated metal deck to be fastened with an 3/8"x3" bent clip and a 3/4"x3" hex head bolt with a washer under the nut. Bolts shall be drawn tight with not less than an 18" wrench, while the plates are pressed tightly against the beam flange by the wheels of a loaded full sized truck or equivalent. No field welding or cutting will be permitted. Adjoining plates to be bolted together with a 3/4"x2" hex head bolts and nuts and lock washers shall be included in the unit price bid for item special corrugated sheet steel floor.

## ITEM 514 PAINTING

The contractor shall clean all steel surfaces then apply one complete coat of prime paint and one complete coat of field paint.

**PRIME PAINT** The prime paint shall meet the requirements of Sec. 708.06 Red Lead, Sec. 708.07 simi Quick Drying Red Lead Paint or Sec. 708.15, prime paint, of the construction and materials specifications.

**FIELD PAINT** The field paint shall meet the requirements of supplemental specification 929

## ITEM 403 ASPHALT CONCRETE AS PER PLAN:

The asphalt concrete leveling course shall be placed in two(2) courses. The first course shall fill the corrugations to 1/2" above the steel floor after compaction. Care shall be taken in compaction so that the leveling course comes into contact with the floor on every part of the surface. The second course will be a variable thickness 1 1/2" at the C and O' at the edge.

## ITEM 404 ASPHALT CONCRETE

The surface course on the steel deck shall be a uniform course 1" in thickness.

## ITEM 407 TACK COAT

The tack coat shall be applied at the rate of 0.15 Gal. per sq. yd.

## ITEM 615 TEMPORARY ROADS

The unit price bid for this item shall include the installation of guard rail, earthenwork and seeding. The temporary road shall remain in place.

## ITEM 521 BRIDGE TIMBER

This item shall include all timber, hardware, cutting, fitting, placing and erecting necessary to complete the abutments, backwalls, and wing walls as per plan. All timber shall be creosoted prior to erection.

## SOIL BORINGS

A copy of the soil boring log made by the State of Ohio Department of Highways testing laboratory is available from the central office, 25 S. Front St. Columbus Ohio. The State does not guarantee the accuracy of the soil soundings.

\* The Contractor's unit prices bid for Items 507 and 513 shall include all labor and equipment necessary to handle and load materials at the designated yards.

## ITEM 203 EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION:

This Item shall provide for any channel relocation which will be required and shall be used as directed by the project Engineer. An estimated quantity of 200 cu. yds. has been provided for this purpose.

## FIELD OFFICE

The Contractor shall provide a minimum of 150 sq. ft. floor space for the field office and, in addition to the requirements of 619, shall provide and maintain sanitary provisions as per 107.06. All of the above is included in the lump sum bid for 619 Field Office.

## MAINTAINING TRAFFIC

Through traffic on USR 6 is presently detoured due to flood damage to the existing structure. The existing detour will be perpetuated through the life of this contract.

## ESTIMATED QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
202	EXISTING RIGID BASE AND FLEXIBLE WEARING COURSE REMOVED AND DISPOSED OF	834	SQ. YD.
203	EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION	200	CU. YD.
403	ASPHALT CONCRETE, AS PER PLAN (70-85)	11	CU. YD.
404	ASPHALT CONCRETE (70-85)	5	CU. YD.
407	TACK COAT: 702.04, MS-2 OR RS-1; OR 702.02, RC-70 OR RC-250	22	GALS
505	FIRST TEST PILE	LUMP	SUM
507	12" CAST-IN-PLACE REINFORCED CONCRETE PILES (STEEL CASINGS FURNISHED BY STATE)	700	LIN. FT.
513	STRUCTURAL STEEL (HAUL, ERECT, and FURNISH NEW AS PER PLAN)	LUMP	SUM
514	CLEANING AND PAINTING STRUCTURAL STEEL, AS PER PLAN	LUMP	SUM
521	BRIDGE TIMBERS (CREOSOTED)	LUMP	SUM
SPECIAL	CORRUGATED SHEET STEEL BRIDGE FLOOR (3"x9" CORRUG'S, GALVANIZED 7 GAGE WITH FULL SIDE LAP)	1300	SQ. FT.
601	DUMPED ROCK FILL, TYPE A	290	CU. YD.
615	TEMPORARY PAVEMENT, CLASS A	1564	SQ. YD.
615	TEMPORARY ROADS	LUMP	SUM
619	FIELD OFFICE	LUMP	SUM
614	MAINTAINING TRAFFIC	LUMP	SUM