

GENERAL NOTES

QUANTITIES			FHWA REGION	STATE	PROJECT
CALCULATED	DT	1/89	5	OHIO	
CHECKED	JS	1/89			

2
38

LAKE COUNTY
LAK - 90 - 23.42 (L & R)

FIELD OFFICE: The Contractor shall provide a suitable field office having a minimum of 400 sq. ft. of floor space. Payment shall be made at Lump Sum price per current standard.

UNDERGROUND UTILITIES: The locations of the underground utilities shown on the plans are as obtained from the owners of the utility as required by Section 153.64 ORC.

UTILITY OWNERSHIP: The following utilities and owners are located within the work limits:

Natural Gas Pipeline:	Viking Resources Corporation P. O. Box 123 Deerfield, Ohio 44411 Attn: Mr. Michael Adams PHONE NUMBER: (216) 654-4343
Ohio Dept. of Natural Resources Outdoor Recreation Fountain Square Columbus, Ohio 43224 Attn: Michael Colvin	
STORM PIPES	Ohio Department of Transportation District #12 5500 Transportation Blvd. Garfield Heights, Ohio 44125 PHONE NUMBER: (216) 581-2100

CONTINGENCY QUANTITIES: The Contractor shall not order materials or perform work listed in the General Summary for items designated by plan note to be used "as directed by the Engineer" unless authorized by the Engineer. The actual work locations and quantities used at the Engineer's discretion shall be made a matter of record by incorporation into the final change order governing completion of this project.

PROFILE AND ALIGNMENT: The proposed pavement resurfacing course shall follow the alignment and profile of the existing pavement. Previous construction plans showing the original alignment and profile grade are on file for inspection if necessary at the ODOT District 12 office as project no. ACI-1130(30). The proposed asphalt concrete overlay shall have a uniform thickness of approximately 2-1/4 inches.

ADDITIONAL INFORMATION: The Right of Way drawings and soil borings for the original construction project are available at the District 12 Office in Garfield Heights, Ohio. These plans are for information only.

LOCATION OF GUARDRAIL: The locations of guardrail runs, as shown in these plans, are subject to adjustment prior to final acceptance. The Engineer shall be satisfied that all installations will afford maximum protection for traffic.

SEEDING: Quantities for seeding are calculated for the soil areas between ten (10) feet outside the work limits, as shown on the cross sections, or to the right of way line, if such line is less than ten (10) feet from the work limits.

COORDINATION OF WORK: Other ODOT construction projects will be working during the life of this project. The contractors on the various projects shall coordinate their work and cooperate with adjacent projects to minimize the inconvenience to the public.

TRAFFIC CHANGE OVER: The Contractor shall not change the traffic control from Construction Phase I to Phase II until the guardrail has been rebuilt and firmly attached to the parapets.

SPRING DRAINS: Reference is made to the detailed drawing on Standard Construction Drawing MC-1, showing the method of draining any spring that may be encountered during construction, as determined by the Engineer. The following estimated quantities have been included in the general summary for this purpose:

Item 605 6" Unclassified Pipe Underdrain, 707.01 Type III 500 L.F.
or 707.12 Type III, as per plan.

The Contractor shall not order materials for "Spring Drains" until authorized by the Engineer, and in the event no springs are encountered, the item shall be non-performed.

EROSION CONTROL: Item 601 is 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.

CONNECTION TO EXISTING PIPE: 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.

ITEM 207 - FILTER FABRIC FENCE

- MATERIALS:** Filter fabric shall meet the requirement of Item 207.02.
- CONSTRUCTION:** The bottom of the fence shall be buried 6" below the ground. The fence shall be high enough to retain sediment laden water and adequately supported to prevent collapse or bursting. The ground elevation of the fence shall be held constant except that the end elevations shall be raised to prevent flow around the end of the fence.
- MAINTENANCE:** The filter fabric fence shall, at the direction of the Engineer, be maintained to be functional. This shall include removal of trapped sediment and required cleaning, repair, and/or replacement of the filter fabric.
- PAYMENT:** The cost of all materials, construction, maintenance and removal required shall be paid for under Item 207 Lin. Ft. filter fabric fence.

EXISTING DRAINAGE: Prior to the construction of the embankment between Sta. 830+80 and 832+82.5 the Contractor shall build a temporary drainage system to collect and convey the water from the existing 21" storm drain to the toe of the slope (approximately Sta. 833+00). This system shall consist of a temporary manhole at the top of the bank, and a pipe down the hillside to the toe of the slope. The pipe shall be at least 12" in diameter and meet SS 944 for material. This system will remain in operation until the new storm drainage system has been installed and is fully functional. The cost of this temporary drainage system is to be considered incidental to the embankment construction. No separate payment will be made.

BENCHING: During the construction of the embankment no benching of the existing slope will be permitted within 20 feet of the concrete piers.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL: The following estimated quantities are to be used as directed by the Engineer, for temporary erosion and sediment control measures:

207 Filter Fabric Fence	500 L.F.
207 Temporary Seeding and Mulching	2137 Sq. Yd.
207 Straw or Hay Bales	200 Each
207 Temporary Slope Drains	60 Lin. Ft.
207 Temporary Benches, Dikes, Dams and Sediment Basins	300 Cu. Yd.
601 Type C Rock Channel Protection (without bedding)	3 Cu. Yd.
659 Commercial Fertilizer	0.15 Ton
659 Repair Seeding and Mulching	534 Sq. Yd.
659 Water	6 M. Gal.

CONDUIT, TYPE F shall be Ductile Iron Pipe conforming to ANSI A 21.15, Class 50. Ductile iron shall be ASTM A 536 Grade 60-42-10. Connections shall be flanged joints with rubber sealing gaskets. Joints shall conform with ANSI A 21.15. Flanged joints, bolts, pipe and fittings to be included for payment with the appropriate size Item 603 Conduit Type "F" using Ductile Iron Pipe, as per plan.

CATCH BASIN, 2-4, AS PER PLAN: The catch basins constructed for this project shall have the top slab modified as shown on sheet 14 of 38. All other details of the catch basin shall be as shown on standard construction drawing CB-2-4.

The costs of all reinforcing steel and concrete are to be included in the unit price bid for Item 604, Catch Basin, 2-4, as per plan. No extra payments will be permitted.

CONDUIT END TREATMENT: Immediately after placement of any conduits, the Contractor shall construct the end treatments required by the plans at both the outlet and inlet ends. This shall include headwalls, concrete riprap, rock channel protection, sodding, etc.

404 AT BRIDGES: The new wearing surface of the bridge is to match the existing grade and elevation. However, an area 25 feet long at each end of the structure will be planed and resurfaced in accordance with standard construction drawings to provide a smooth transition onto and off the bridges.

407 TACK COAT: The rate of application of 407 Tack Coat shall be subject to adjustment, as directed by the Engineer. Plan quantities indicate an average application rate of .075 gallons per square yard of Tack Coat for estimating purposes only.

404 ASPHALT CONCRETE, AC-20 WITH VERGLIMIT ADDITIVE (1 1/4") AS PER PLAN: See Note Sheet 25.

REMOVAL OF TREES OR STUMPS: 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, except that those trees for which protection and preservation work is indicated elsewhere in these plans shall not be removed.