

# GENERAL NOTES & GENERAL SUMMARY

CALC. BY DATE 7-7-83  
CHKD. BY DATE 7-12-83

OHIO  
FHWA  
REGION

2  
11

LAKE COUNTY  
U.S. ROUTE 6 OVER THE CHAGRIN RIVER  
LAK-6-4.61

## FIELD OFFICE:

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 SQ. FT. OF FLOOR SPACE.

PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

## 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.

## GUARDRAIL REPLACEMENT:

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE, GRADE AND REINSTALL GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED ON THIS PROJECT UNTIL SUCH TIME THAT THE ENGINEER IS ASSURED OF SAID COMPLIANCE.

## 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 603 items.* MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED:

THE CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY LAKE COUNTY FORCES.

## SEEDING:

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN LINES 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.

## 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	TEMPORARY SEEDING AND MULCHING	1100	SQ. YD.
207	STRAW OR HAY BALES	50	EACH

## 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, O.R.C.

## UTILITIES NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS.

THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF PLANNED CONSTRUCTION.

## UTILITY OWNERSHIP

TELEPHONE OHIO BELL TELEPHONE COMPANY  
820 WEST SUPERIOR AVENUE  
CLEVELAND, OHIO 44113  
PHONE: (216) 822-6025

ELECTRICITY THE CLEVELAND ELECTRIC ILLUMINATING COMPANY  
1455 MENTOR AVENUE  
PAINESVILLE, OHIO 44077  
PHONE: (216) 354-5661

## MAINTAINING TRAFFIC:

THE CONTRACTOR SHALL, IN ADDITION TO THE GENERAL REQUIREMENTS OF ITEM 614 ON THIS PROJECT PERFORM THE FOLLOWING:

PROVIDE, ERECT, AND MAINTAIN STANDARD 48" X 30" SIZE "ROAD CLOSED TO THRU TRAFFIC" (R-76C) AND "BRIDGE OUT \_\_\_\_\_ MILES AHEAD LOCAL TRAFFIC ONLY" (R-76B) SIGNS, SIGN SUPPORTS, AND LIGHTS AT THE FOLLOWING LOCATIONS DURING PERIOD(S) IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC:

1. U.S. ROUTE 6 JUST EAST OF STATE ROUTE 174 INTERSECTION.
2. U.S. ROUTE 6 JUST WEST OF HOBART ROAD INTERSECTION.
3. JUST EAST OF U.S. ROUTE 6 AND PLEASANT VALLEY DRIVE INTERSECTION ON PLEASANT VALLEY DRIVE.
4. JUST WEST OF U.S. ROUTE 6 AND PLEASANT VALLEY DRIVE INTERSECTION ON PLEASANT VALLEY DRIVE.

ALL DETOUR SIGNING WILL BE PROVIDED, MAINTAINED AND ULTIMATELY REMOVED BY THE CONTRACTOR. ALSO THE CONTRACTOR SHALL PROVIDE ADVANCE WRITTEN NOTIFICATION TO THE CITY OF WILLOUGHBY AND LAKE COUNTY ENGINEER'S OFFICE AT LEAST (1) ONE WEEK PRIOR TO CLOSING OF THE ROAD.

SIGN SUPPORTS AND LIGHTS FOR SIGNS SHALL BE AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR PROVIDING, ERECTING, MAINTAINING, AND REMOVING LIGHTS, SIGNS AND SIGN SUPPORTS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

## ENVIRONMENTAL CONTROL MEASURES

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ANY DEBRIS OR OTHER MATERIAL FROM ENTERING THE RIVER. THESE PRECAUTIONS MAY INCLUDE, BUT ARE NOT LIMITED TO, NETTING, FALSEWORK AND MATS; ANY MATERIAL WHICH ACCIDENTALLY ENTERS THE RIVER SHALL BE REMOVED IMMEDIATELY.

## GUARDRAIL REMOVED FOR STORAGE

ALL GUARDRAIL REMOVED SHALL BE STORED ON THE PROJECT FOR SALVAGE BY THE CITY OF WILLOUGHBY SERVICE DEPARTMENT. AFTER WRITTEN NOTIFICATION BY THE CONTRACTOR, ALL SALVAGED ITEMS NOT REMOVED PRIOR TO 14 DAYS BY CITY FORCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF AT HIS OWN EXPENSE.

## 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.*

## WATERING PERMANENT SEEDED AREAS

*The following estimated quantity is to be used as directed by the Engineer to promote growth and to care for the permanent seeded areas, as per 659.09:*  
659 Water 6 M Gals.

GENERAL SUMMARY						
ITEM	TOTAL	UNIT	DESCRIPTION	2	4	5 2A
201	Lump		CLEARING and Grubbing			
202	2,220	Lin. Ft.	GUARDRAIL REMOVED for STORAGE		2,220	
202	49	Sq. Yds.	WEARING COURSE REMOVED		49	
203	41	Cu. Yds.	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION			41
203	12	Cu. Yds.	EMBANKMENT			12
203	156	Sq. Yds.	SUBGRADE COMPACTION		156	
202	122	Sq. Yds.	PAVEMENT REMOVED		122	
207	50	Each	STRAW or HAY BALES	50		
207	1100	Sq. Yds.	TEMPORARY SEEDING AND MULCHING	1100		
407	5	Gal.	TACK COAT		5	
310	26	Cu. Yds.	SUBBASE, TYPE II		26	
404	2	Cu. Yds.	ASPHALT CONCRETE, AC-20		2	
603	60	Lin. Ft.	24" CONDUIT, TYPE B, AS PER PLAN			60
603	50	Lin. Ft.	24" CONDUIT, TYPE C			50
604	1	Each	MANHOLE, STANDARD No. 1			1
604	1	Each	CATCH BASIN, STANDARD No. 4			1
604	1	Each	CATCH BASIN, STANDARD No. 5, MODIFIED As Per Plan			1
605	60	Lin. Ft.	AGGREGATE DRAINS		60	
606	2,462.5	Lin. Ft.	GUARDRAIL, TYPE 5		2,462.5	
606	4	Each	ANCHOR ASSEMBLY, STANDARD, TYPE A		4	
606	4	Each	BRIDGE TERMINAL ASSEMBLY, STANDARD TYPE A		4	
659	6	M Gals.	Water	6		
611	162	Sq. Yds.	Reinforced concrete approach slabs (T=15")		162	
SPECIAL	44	Lin. Ft.	PRESSURE RELIEF JOINTS, Standard Type C			44
659	5,260	Sq. Yds.	SEEDING & MULCHING		5,260	
659	0.47	Ton	COMMERCIAL FERTILIZER	0.47		
659	2.37	Ton	AGRICULTURAL LIMING	2.37		
614	Lump		MAINTAINING TRAFFIC			
623	Lump		CONSTRUCTION LAYOUT STAKES			
624	Lump		MOBILIZATION			
621	0.08	Miles	CENTER LINE		0.08	
614	0.08	Miles	Temporary Center Line, Class II			0.08
619	Lump		Field Office	lump		
FOR STRUCTURE QUANTITIES SEE SHEET 7						

LAKE INC. ENGINEERING  
WICKLIFFE, OHIO

## GENERAL NOTES & SUMMARY

U.S. ROUTE 6 OVER  
THE CHAGRIN RIVER  
LAKE COUNTY, OHIO

SCALE	DATE	DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
		DA	DA	DA	KJ		7/12/83	