

# GENERAL NOTES

LAKE COUNTY  
LAK-20-19.39

FHWA REGION	STATE	PROJECT
5	OHIO	

7  
32

BY DATE  
CALC. EDV 3/88  
CHECKED BRS 3/88

## GENERAL SUMMARY

SHEET NUMBER								GRAND TOTAL	UNIT	ITEM	ITEM EXT.	DESCRIPTION
3	7	8	9	11	12	13	14					
<b>ROADWAY</b>												
			749					749	S.Y.	202		PAVEMENT REMOVED
			505					505	S.Y.	202		WEARING COURSE REMOVED
			1900					1900	L.F.	202		CURB REMOVED
			230					230	S.Y.	202		CONCRETE MEDIUM REMOVED
			825					825	L.F.	202		GUARDRAIL REMOVED
		63		110	31	40	82	326	C.Y.	203		EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION
				51	28	86	234	399	C.Y.	203		EMBANKMENT
		1074						1074	S.Y.	203		SUBGRADE COMPACTION
20								20	C.Y.	404		BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC
			2					2	EA.	604		MONUMENT ASSEMBLY
			875					875	L.F.	606		GUARDRAIL, TYPE 5
			5					5	EA.	606		ANCHOR ASSEMBLY, TYPE A
			2					2	EA.	606		ANCHOR ASSEMBLY, TYPE T
			4					4	EA.	606		BRIDGE TERMINAL ASSEMBLY, TYPE A
			1626					1626	S.F.	608		4" CONCRETE WALK
			122					122	S.Y.	615		TEMPORARY PAVEMENT, CLASS A, AS PER PLAN
340								340	S.Y.	615		TEMPORARY PAVEMENT, CLASS A
<b>EROSION CONTROL</b>												
		314						314	S.Y.	207		TEMPORARY SEEDING AND MULCHING
		100						100	EA.	207		STRAW OR HAY BALES
			182	425	133	200	629	1569	S.Y.	659		SEEDING AND MULCHING
			0.14					0.14	TON	659		COMMERCIAL FERTILIZER
			0.7					0.7	TON	659		AGRICULTURAL LIMING
		5						5	M GAL	659		WATER
<b>DRAINAGE</b>												
			8					8	L.F.	603		6" CONDUIT, TYPE F
			1					1	EA.	604		MANHOLE, RECONSTRUCTED TO GRADE AS PER PLAN
			360					360	L.F.	605		6" SHALLOW PIPE UNDERDRAINS, AS PER PLAN
			108					108	L.F.	605		6" SHALLOW PIPE UNDERDRAINS 707.01 TYPE III OR 707.21 TYPE III, AS PER PLAN
<b>PAVEMENT</b>												
			179					179	C.Y.	310		SUBBASE, TYPE I, GRADING A, AS PER PLAN
			28					28	C.Y.	404		ASPHALT CONCRETE, AC-20
			64					64	GAL.	407		TACK COAT
			908					908	S.Y.	451		9" REINFORCED CONCRETE PAVEMENT, AS PER PLAN
			249					249	L.F.	609		CURB, TYPE 2-A
			200					200	L.F.	609		ASPHALT CONCRETE CURB, TYPE I
			294					294	S.Y.	611		REINFORCED CONCRETE APPROACH SLABS, (T=15")* See Sheet 16
			106					106	L.F.	SPECIAL		PRESSURE RELIEF JOINT, TYPE A
<b>TRAFFIC CONTROL</b>												
SEE SHEET NO. 3												
<b>STRUCTURE LAK-20-1939</b>												
SEE SHEET NO. 16												
								LUMP		614		MAINTAINING TRAFFIC
								LUMP		619		FIELD OFFICE
								LUMP		623		CONSTRUCTION LAYOUT STAKES
								LUMP		624		MOBILIZATION

\* AS PER PLAN

### PROJECT DATUM

ALL ELEVATIONS SHOWN ARE BASED ON CLEVELAND REGIONAL AND GEODETIC SURVEY (CRGS) DATA.

### EXISTING CONDITIONS

THE EXISTING CONDITIONS SHOWN ON THE TYPICAL SECTIONS HAVE BEEN TAKEN FROM RECORDS, AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY.

### FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 S.F. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619 FIELD OFFICE.

### 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.

### ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

### DRAINAGE NOTES

#### 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 STARTING TO LAY THE PROPOSED CONDUIT.

#### ITEM 605 6" SHALLOW PIPE UNDERDRAIN, AS PER PLAN

ALL GRANULAR FILTER MATERIALS FOR THIS ITEM SHALL BE LIMITED TO DURABLE NATURAL AGGREGATES, No. 8 OR No. 9 SIZE.

### ROADWAY NOTES

#### SEEDING AND MULCHING

QUANTITIES FOR SEEDING AND MULCHING ARE CALCULATED FOR THE SOIL AREAS BETWEEN TEN (10) FEET OUTSIDE THE WORK LIMITS, AS SHOWN ON THE CROSS SECTIONS, AND FOR TEN (10) FOOT STRIPS AROUND THE NEW PIERS.

#### 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. THE COST FOR CONNECTING GUARDRAIL TO EXISTING GUARDRAIL POST SHALL BE INCLUDED WITH ITEM 606 - GUARDRAIL, TYPE 5 FOR PAYMENT.

#### 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.

#### MONUMENT ASSEMBLY

MONUMENTS LOCATED IN THE CONCRETE MEDIUM TO BE REMOVED UNDER THIS PROJECT SHALL BE REPLACED WITH MONUMENT ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN ON STANDARD CONSTRUCTION DRAWING MC-1. FOR LOCATIONS, SEE SHEET NO. 9.

#### 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:

659 WATER	5 M GAL
207 TEMPORARY SEEDING AND MULCHING	3/4 S.Y.
207 STRAW OR HAY BALES	100 EA.

### UTILITIES NOTES

#### UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY THE SECTION 153.64 ORC.

#### UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

THE OHIO BELL TELEPHONE COMPANY 1020 BOLIVAR ROAD CLEVELAND, OH 44115 822-9700	PAINESVILLE MUNICIPAL POWER 7 RICHMOND STREET P.O. BOX 601 PAINESVILLE, OH 44077-0601 352-9301
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THE EAST OHIO GAS COMPANY  
EAST NINTH AT SUPERIOR  
P.O. BOX 5759  
CLEVELAND, OH 44101  
432-6803

### PAVEMENT NOTES

#### ITEM 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 TACK COAT OF 0.10 GALLONS PER SQUARE YARD, FOR ESTIMATING PURPOSES ONLY.

#### ITEM 451 REINFORCED CONCRETE PAVEMENT, AS PER PLAN

REINFORCED CONCRETE SHALL MEET THE REQUIREMENTS OF ITEM 451 AND STANDARD DRAWING BP-4 WITH THE FOLLOWING EXCEPTIONS:

- THE MAXIMUM SPACING BETWEEN JOINTS SHALL BE 27 FEET OR AS SHOWN ON SHEET 9.
- MESH SHALL BE RECTANGULAR AND CENTERED IN EACH PANEL SO AS TO MAINTAIN A CLEARANCE OF 3 (±2) INCHES FROM THE END OF THE NEAREST DOWEL.
- REINFORCING MESH SHALL CONSIST OF W85 OR D8.5 LONGITUDINAL WIRES SPACED AT 6" C/C AND W4 OR D4 TRANSVERSE WIRES SPACED AT 12" C/C
- THE WIDTH OF THE CONTRACTION JOINT SHALL BE 5/8" ± 1/16" AND THE MINIMUM DEPTH SHALL BE 2-1/4". PREFORMED ELASTIC JOINT SEALER SHALL BE USED AND SHALL MEET THE REQUIREMENTS OF 705.11 AND SHALL HAVE A MINIMUM WIDTH OF 1-1/4" DRAWINGS AND SPECIFICATIONS OF THE MATERIAL PROPOSED FOR USE SHALL BE SUBMITTED TO THE DIRECTOR FOR REVIEW AND APPROVAL.
- DOWEL INSTALLING MACHINES WILL NOT BE PERMITTED ON THIS PROJECT.

#### JOINT SEALERS

ALL REFERENCES TO 705.01 OR 705.02, APPEARING ON STANDARD DRAWINGS OR ON THE PLANS, SHALL BE CONSIDERED TO READ 705.04.

#### ITEM 310 SUBBASE, TYPE I, GRADING A, AS PER PLAN

MATERIALS FURNISHED FOR THIS ITEM SHALL EXCLUDE ALL SLAG EXCEPT GRANULATED SLAG OR CRUSHED AIR COOLED BLAST FURNACE SLAG.

#### ITEM 615 TEMPORARY PAVEMENT, CLASS A, AS PER PLAN

THE TEMPORARY PAVEMENT SHALL BE CONSTRUCTED IN CONFORMANCE WITH ALL APPLICABLE PROVISIONS OF SECTION 615, EXCEPT THAT IT WILL NOT BE REMOVED UNDER THIS CONTRACT. QUANTITIES OF EXCAVATION AND EMBANKMENT SHALL BE MEASURED AND PAID FOR UNDER ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION AND ITEM 203 EMBANKMENT.