

GENERAL NOTES

FED. NO. DIVISION	STATE	PROJECT	12
2	OHIO	F-U-329 (15)	297

LAKE COUNTY
LAK-2-4.42

SEPTIC TANKS

WHERE SEPTIC TANKS, CESSPOOLS OR LEACHING BASINS ARE ENCOUNTERED THEY MUST BE CLEANED AND MATERIAL REMOVED FROM R/W LIMITS, PROPERLY BACKFILLED, OR REMOVED IF DIRECTED BY THE ENGINEER, AS PROVIDED IN THE STANDARD SPECIFICATIONS. PAYMENT FOR SAME SHALL BE MADE UNDER ITEM E-1, ROADWAY EXCAVATION. REMOVAL OF THE TILE FIELDS ADJOINING THESE FEATURES IS NOT REQUIRED UNLESS THEY WOULD ALLOW FLOW OF WATER UNDER THE EMBANKMENT.

LINE DATA CALCULATIONS FOR APPROACHES

LENGTH OF WORK ON APPROACHES
U-329 (15)

Begin Work Sta. 334+00.00
Begin Project Sta. 133+00.00 Ab. Sta. 335+05.71 Back Length 105.71 L.F.

Stevens Blvd.
Begin Work Sta. 25+50.00
End Work Sta. 32+25.00 Length 675.00 L.F.

Lost Nation Road
Begin Work Sta. 19+22.50
End Work Sta. 44+10.00 Length 2,487.50 L.F.

Length of Approaches U-329 (15) = 33268.21 L.F.

F-329 (15)

S.R. 306
Begin Work Sta. 19+30.00
End Work Sta. 39+50.00 Length 2020.00 L.F.

End Project Sta. 290+00
End Work Sta. 290+50 Length 50.00 L.F.

Length of Approaches F-329 (15) = 2070.00 L.F.

Carried to "Line Data" on sheet No 1.

ITEMS L-10 SODDING, I-10 SLOPE & CHANNEL PROTECTION & I-14 PAVED GUTTER

THESE ITEMS ARE PROVIDED ON THE PLANS FOR EROSION CONTROL. THE ENGINEER SHALL CHECK AND MAKE ADJUSTMENTS IN LOCATION AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

L-9 COMMERCIAL FERTILIZER

ALL AREAS TO BE SEEDED UNDER ITEM L-9 OR SODDED UNDER ITEM L-10 SHALL HAVE COMMERCIAL FERTILIZER 12-12-12, APPLIED AT THE RATE OF TWENTY (20) POUNDS PER 1,000 SQUARE FEET.

SEEDING AND PROTECTING

QUANTITIES FOR SEEDING ITEM L-9 ARE CALCULATED FOR ALL SOIL AREAS BETWEEN RIGHT-OF-WAY FENCE LINES. SEED SHALL BE SOWN AT THE RATE OF 3 POUNDS PER 1,000 SQUARE FEET EXCEPT AS OTHERWISE NOTED IN THE PLANS. SEEDING FORMULA FOR ALL SEEDED AREAS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- 65% KENTUCKY 31 FESCUE
- 25% KENTUCKY BLUEGRASS
- 5% REDTOP
- 5% ALSIKIE CLOVER.

QUANTITIES FOR LOCAL ROAD SEEDING INCLUDES ALL SOIL AREAS BETWEEN THE WORK LIMITS, AS SHOWN ON THE CROSS SECTIONS, EXCEPT FOR S.R. 306 WHERE SEEDING LIMITS SHALL INCLUDE ALL 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) FT. FROM THE WORK LIMITS.

CENTERLINE REFERENCE MONUMENTS

MONUMENTS SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE CAST-IN-PLACE IN A CIRCULAR HOLE, EIGHT INCHES IN DIAMETER AND FORTY-FOUR INCHES IN DEPTH. TOP OF CONCRETE SHALL BE FINISHED TWO INCHES BELOW GROUND LEVEL AND THE UPPER SIX INCHES PORTION OF THE CONCRETE SHALL BE FORMED. A 1/4" NAIL SHALL BE EMBEDDED IN THE WET CONCRETE AS DIRECTED BY THE ENGINEER TO MARK THE CENTERLINE AND STATION. FOR LOCATION OF MONUMENTS, SEE SHEET NO 281.

EXISTING WATER WELLS

DUG WELLS ENCOUNTERED WITHIN THE WORK LIMITS SHALL BE FILLED WITH ROCK OR GRANULAR MATERIAL. DRILLED WELL CASING SHALL BE REMOVED TO AN ELEVATION APPROXIMATELY THREE FEET BELOW FINISHED GRADE AND COVERED WITH A PRE-CAST CONCRETE SLAB OR A LARGE ROCK. PRIOR TO CONSTRUCTION OF EMBANKMENT, THE CONTRACTOR SHALL REMOVE ANY MASONRY SURROUNDING A WELL WITHIN THREE FEET OF FINISHED GRADE. PUMPS AND OTHER APPURTENANCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM. THE COST OF FILLING OR CAPPING OF WELLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF ROADWAY EXCAVATION, ITEM E-1 FOR PAYMENT.

SODDING

SOD DEPTH "4" AS NOTED ON THE PLANS IS THE VERTICAL DISTANCE FROM THE DITCH BOTTOM TO THE POINT ON THE DITCH SLOPES TO WHICH SODDING IS PLACED. SOD WIDTH "W" AS NOTED ON THE PLANS IS THE WIDTH OF SOD REQUIRED PER LINEAL FOOT. ALL AREAS TO BE SODDED SHALL BE LOOSENEED TO A DEPTH NOT LESS THAN TWO INCHES JUST PRIOR TO LAYING SOD. COST SHALL BE INCLUDED FOR PAYMENT IN THE PRICE BID PER SQUARE YARD OF SODDING, ITEM L-10. A QUANTITY OF 1,200 SQUARE YARDS OF ITEM L-10 SODDING HAS BEEN PROVIDED IN THE GENERAL SUMMARY TO BE USED FOR EROSION CONTROL WHERE AND AS DIRECTED BY THE ENGINEER.

CONSTRUCTION LAYOUT STAKES

SEE NOTE IN PROPOSAL DESCRIBING THE WORK INCLUDED IN THIS LUMP SUM PAY ITEM.

REMOVALS

ALL ITEMS MARKED FOR REMOVAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM. WHERE PIPE IS MARKED FOR REMOVAL WITH HEADWALLS AND/OR CATCH BASINS INVOLVED, THE COST OF SUCH REMOVAL SHALL BE INCLUDED IN THE PRICE BID PER LINEAL FOOT FOR ITEM E-12, PIPE REMOVED.

EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED AND EXPANSION JOINTS SHALL BE PROVIDED AT ALL MAJOR STRUCTURES AS REQUIRED BY STANDARD CONSTRUCTION DRAWING T-J.

EXCAVATION FOR STRUCTURES

AN ITEM E-2 EXCAVATION FOR STRUCTURES HAS BEEN INCLUDED IN THE COMPUTATION SHEET TO PROVIDE FOR ALL HEADWALL EXCAVATION UNDER ITEM 1-2 STORM SEWERS.

ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

REPLACEMENTS

THE CONTRACTOR SHALL REPLACE AT HIS OWN EXPENSE ANY ITEM NOT SPECIFICALLY LISTED FOR REMOVAL THAT IS DAMAGED OR DESTROYED BY HIS OPERATIONS.

TEMPORARY DRAINAGE

TEMPORARY DRAINAGE WILL BE REQUIRED FOR THE PIPE UNDERDRAINS AND SUBBASE DURING CONSTRUCTION OF THIS SECTION. PAYMENT FOR WHICH IS INCLUDED IN THE PRICE BID PER LINEAL FOOT FOR ITEM 1-4, UNDERDRAINS.

MANHOLE CASTING

MANHOLE CASTINGS LOCATED IN SLOPES SHALL BE SET SO THAT THE COVER WILL CONFORM WITH THE PLANE OF THE SLOPED SURFACE.

GRATE ELEVATIONS

THE FLOW LINE OF GRATE ELEVATIONS SHOWN FOR I-8 #4 CATCH BASIN AND I-8 #5 CATCH BASIN IS THE LOWEST POINT ON THE GRATE.

EXCAVATION OF UNSUITABLE MATERIAL

THE MATERIAL BETWEEN STA. 140+50 AND STA. 142+77 AS INDICATED ON THE CROSS SECTIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AND DISPOSED OF IN ACCORDANCE WITH SEC. E-1.06 OF CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE ONLY.

ESTIMATED QUANTITIES FOR THE WORK ARE SHOWN ON THE COMPUTATION AND SUB-SUMMARY SHEET.

PIPE UNDERDRAINS

THE LOCATION OF THE TRANSVERSE PIPE UNDERDRAINS LOCATED AT THE POINTS CUT TO FILL AND FILL TO CUT MAY BE REVISED SLIGHTLY DURING CONSTRUCTION TO ASSURE THAT THE UNDERDRAINS WILL BE PLACED IN CUT.

PIPE SPECIALS

1-5 PIPE SPECIALS HAVE BEEN COMPUTED ON THE BASIS OF 4' - 0". EXCEPT PIPE UNDERDRAINS WHERE 12" HAS BEEN DEDUCTED FOR EACH.

EXISTING DRAINAGE

IT IS ANTICIPATED THAT SOME EXISTING DRAINS OTHER THAN THOSE CARRYING DOMESTIC WASTE WILL BE INTERCEPTED AND SEVERED BY THE PROPOSED ROADWAY AND CHANNEL EXCAVATION. IN ANY SUCH CASE A SECTION OF THE PIPE SO SEVERED WILL BE REMOVED TO MAKE WAY FOR THE NECESSARY EXCAVATION. IF THE REMAINING PIPE FLOWS AWAY FROM THE EXCAVATION AND THE PLANS DO NOT INDICATE THAT IT IS TO BE USED AS AN OUTLET, IT SHALL BE BLOCKED AT ITS UPPER END IN ACCORDANCE WITH THE PROVISIONS OF ITEM 2.04. PAYMENT FOR PLUGGING IS INCLUDED IN THE UNIT PRICE BID FOR ITEM E-1. ROADWAY EXCAVATION. IF THE PIPE FLOWS TOWARD THE DITCH EXCAVATION, THE TILE SHALL BE PRESERVED AND A PROPER OUTLET PROVIDED.

THE FOLLOWING QUANTITIES HAVE BEEN SET UP IN THE GENERAL SUMMARY TO BE USED FOR THE ABOVE PURPOSE AS DIRECTED BY THE ENGINEER.

1-3	6"	ROADWAY DRAINAGE	400	LIN. FT.
1-3	8"	"	400	LIN. FT.
1-3	8"	PIPE OUTLETS FOR ROADWAY DRAINAGE	100	LIN. FT. - SEC. M 6.4 (c)
1-3	10"	"	50	LIN. FT.
1-3	12"	"	50	LIN. FT.
1-2	8"	UNDER PAVEMENT OR APPROACHES	1200	LIN. FT. - SEC. M 6.5 (b) OR M 6.8 (b)
1-2	12"	"	1200	LIN. FT.

THE AMOUNT AND LOCATION OF SUCH MATERIAL SHALL BE RECORDED AS USED AND SHALL BE SUBMITTED WITH FINAL ESTIMATE.

EROSION CONTROL AT HEADWALLS

AN 18" WIDE STRIP OF SOD SHALL BE PLACED ALONG THE BACK AND BOTH ENDS OF EACH STANDARD HEADWALL TYPE A, B AND C TO PREVENT EROSION. THE QUANTITY OF SODDING REQUIRED TO PREVENT EROSION AT THE HEADWALLS IS INCLUDED IN EACH OF THE CULVERT ESTIMATED QUANTITIES.

SIGHT DISTANCE

BASIS FOR MEASURING SIGHT DISTANCE SHALL BE 4.0 FEET FOR HEIGHT OF EYE AND 0 INCHES FOR HEIGHT OF OBJECT. THE MINIMUM STOPPING SIGHT DISTANCE ON THIS PROJECT IS 600 FEET.

REMOVAL OF BUILDINGS

WHERE THE PLAN SHOWS A STRUCTURE TO BE REMOVED UNDER ITEM S-24, THE ENTIRE BUILDING WITHIN AND WITHOUT THE RIGHT-OF-WAY SHALL BE REMOVED TO GROUND LEVEL AND THE BASEMENT FILLED.

I-22 SUBBASE GRADING

I-22 SUBBASE GRADING A & B AS PER PLAN. MATERIAL FOR THIS ITEM SHALL MEET THE REQUIREMENTS FOR I-22 GRADING A OR B EXCEPT THAT FOR BOTH GRADINGS THE PERCENT PASSING NO. 200 SIEVE SHALL NOT EXCEED TEN.

MAINTAINING LOCAL TRAFFIC

AGGREGATE AND CHLORIDE REQUIRED FOR MAINTENANCE OF LOCAL TRAFFIC, IN ACCORDANCE WITH THE PROVISIONS OF SECTION G-4.05 OF THE SPECIFICATIONS, IS PROVIDED IN THE SUMMARY OF QUANTITIES IN THE FOLLOWING AMOUNTS:

- 150 CU. YDS. TRAFFIC COMPACTED SURFACE COURSE ITEM T-10
 - 3 TONS CALCIUM CHLORIDE ITEM M-10
- REQUIREMENTS FOR HARDNESS AND SOUNDNESS WILL BE WAIVED FOR AGGREGATE USED FOR MAINTAINING LOCAL TRAFFIC.

COAL PIPE LINE COORDINATION NOTES

THE CONTRACTOR SHALL COOPERATE AT ALL TIMES WITH THE HANNA COAL CO. AND ITS CONTRACTOR RELOCATING THE COAL TRANSMISSION LINE.

THE CONTRACTOR SHALL PLACE AS A FIRST OPERATION, THE FILL AT THE INTERSECTION OF RAMP G AND LOST NATIONS ROAD SO THE COAL TRANSMISSION PIPE LINE CAN BE PLACED.

THE CONTRACTOR SHALL NOT INTERFERE WITH, BY EXCAVATION OVER IT, BY HAULING OVER IT WITH HEAVY EQUIPMENT WITHOUT PROPER SAFE GUARDING, OR IN ANY OTHER WAY, THE EXISTING COAL TRANSMISSION LINE, UNTIL THE RELOCATED LINE IS CONSTRUCTED AND IN OPERATION. IT IS CONTEMPLATED THAT SOME DELAY MAY OCCUR BETWEEN THE CONSTRUCTION OF THE RELOCATED COAL TRANSMISSION PIPE LINE, AND ITS TIEING IN WITH THE EXISTING LINE DUE TO LINE SHUTDOWN COMPLICATIONS.

MAINTENANCE OF TRAFFIC

STEVENS BLVD. AND BEN HUR SHALL BE CLOSED TO TRAFFIC DURING THE CONSTRUCTION OF THE BRIDGE. LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH SEC. G 4.05 OF THE OHIO STANDARD SPECIFICATIONS, AND IT SHALL BE UNDERSTOOD TO INCLUDE MAINTAINING ACCESS TO ADJACENT PROPERTIES AFFECTED BY ANY OF THE CONSTRUCTION OPERATIONS.

ST. CLAIR ST. - TWO WAY TRAFFIC SHALL BE MAINTAINED UNTIL AFTER CONSTRUCTION OF RELOCATED ST. CLAIR ST. IS COMPLETE TO THE LINES AND GRADES SHOWN ON THE PLANS. THE CONTRACTOR'S OPERATIONS SHALL BE SCHEDULED SUCH THAT WORK REQUIRED TO RECONSTRUCT ST. CLAIR ST. SHALL BE COMPLETED PRIOR TO WORK ON S.R. 2.

ERIE ROAD - TRAFFIC ON ERIE ROAD SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL EXERCISE CARE DURING THE CONSTRUCTION OF THE BRIDGE SO THAT TRAFFIC CAN BE SAFELY MAINTAINED.

LOST NATION ROAD - TWO WAY TRAFFIC SHALL BE MAINTAINED ON LOST NATION ROAD DURING THE CONSTRUCTION OF THE BRIDGE AND APPROACHES. A TEMPORARY RUNAROUND (ITEM S-15) USING CLASS B PAVEMENT HAS BEEN PROVIDED FOR THIS PURPOSE. TEMPORARY RUNAROUND WILL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. COST OF THE ABOVE SHALL BE INCLUDED IN ITEM S-15 LUMP SUM TEMPORARY RUNAROUND. AFTER CONSTRUCTION IS COMPLETED THE CONTRACTOR WILL REMOVE THE RUNAROUND IN ACCORDANCE WITH ITEM S-15.

S.R. 306 - TWO WAY TRAFFIC SHALL BE MAINTAINED ON S.R. 306 DURING THE CONSTRUCTION OF THE BRIDGE AND APPROACHES. A TEMPORARY RUNAROUND (ITEM S-15) USING CLASS B PAVEMENT HAS BEEN PROVIDED FOR THIS PURPOSE. TEMPORARY RUNAROUND WILL BE BUILT TO THE LINES AND GRADES SHOWN ON THE PLANS. COST OF THE ABOVE SHALL BE INCLUDED IN ITEM S-15 LUMP SUM TEMPORARY RUNAROUND. AFTER CONSTRUCTION IS COMPLETED THE CONTRACTOR WILL REMOVE THE RUNAROUND IN ACCORDANCE WITH ITEM S-15.