

WORK ON APPROACHES F-388(10)

STA. 106+16.57 TO STA. 108+00 = 133.43 LIN. FT.
 STA. 118+01.12 TO STA. 121+00 = 298.88 LIN. FT.
 STA. 129+15 TO STA. 131+17.31 = 202.31 LIN. FT.
 STA. 218+50 TO STA. 219+25 = 75.00 LIN. FT.
 PROUTY RD. STA. 6+00 TO STA. 14+50 = 850.00 LIN. FT.
 S. R. 84 ~ STA. 0+82.42 TO STA. 19+25.17 = 1842.75 LIN. FT.
 MORLEY RD ~ STA. 0+00 TO STA. 7+74.35 = 774.35 LIN. FT.
 TOTAL LENGTH OF WORK (APPROACHES) F-388(10) = 4226.72 LIN. FT. (CARRIED TO LINE DATA SHEET 1)

GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT	9 228
2	OHIO		

LAKE COUNTY
LAK-44-170

ROADWAY (CONT'D)

SEEDING AND PROTECTING

QUANTITIES FOR SEEDING ITEM L-9 ARE CALCULATED FOR ALL SOIL AREAS BETWEEN LINES TEN (10) FEET OUTSIDE OF WORK LIMITS AS SHOWN ON CROSSSECTIONS OR TO THE RIGHT OF WAY LINE IF SUCH LINE IS LESS THAN TEN (10) FEET. SEED SHALL BE SOWN AT THE RATE OF 3 POUNDS PER 1,000 SQUARE FEET EXCEPT AS OTHERWISE NOTED IN THE PLANS. SEEDING FORMULAS FOR ALL SEEDED AREAS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- 70 % KENTUCKY 31 FESCUE (FESTUCA ELATIOR, VAR. KY. 31)
- 20 % KENTUCKY BLUEGRASS (POA PRATENSIS)
- 5 % RED TOP (AGROSTIS ALBA)
- 5 % ALSIKE CLOVER (TRIFOLIUM HYBRIDUM)

SEEDING SHALL ALSO BE PERFORMED TO THE RIGHT OF WAY LINE IN CULTIVATED AREAS.

AREAS BOUNDED BY RAMPS

ALL SOIL AREAS BOUNDED BY RAMPS OR ROADS SHALL BE CLEARED AND SHAPED AS PROVIDED FOR UNDER E-101 AND SHALL BE INCLUDED IN THE UNIT BID PRICE FOR E-101. THESE AREAS SHALL ALSO BE SEEDED AS PRESCRIBED FOR UNDER ITEM L-9

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.

AGRICULTURAL LIMING MATERIALS

THE LOCATION AND NEED FOR AGRICULTURAL LIMING MATERIALS WILL BE DETERMINED BY LABORATORY TESTS, AFTER ROUGH GRADING OPERATIONS HAVE BEEN PERFORMED. QUANTITIES OF AGRICULTURAL LIMING MATERIAL AS SHOWN ON THE PLANS ARE SUFFICIENT FOR THE ENTIRE PROJECT, BUT WILL BE NON-PERFORMED FOR THE AREAS WHERE TESTS SHOW THAT THE LIMING MATERIAL IS NOT NEEDED.

REMOVAL OF TREES AND STUMPS

TREES OR STUMPS SHALL BE REMOVED OR PRESERVED AS INDICATED ON THE PLANS. THE NUMBER AND SIZE OF TREES OR STUMPS SHOWN FOR REMOVAL ON THESE PLANS IS AS NEARLY CORRECT AS THE AVAILABLE INFORMATION PERMITS, BUT THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS, EVEN THOUGH THESE TREES OR STUMPS ARE NOT INDICATED ON THE PLANS OR ARE INDICATED TO BE PRESERVED.

PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS IS INCLUDED IN THE LUMP SUM BID FOR THE REMOVAL OF TREES AND STUMPS.

FOR TABULATION SEE SHEET NO. 11

DRAINAGE

PRIORITY OF CULVERT CONSTRUCTION

CULVERTS AT STA. 116+80 AND STA. 131+76.5, COMPLETE WITH A TWO (2) FEET MINIMUM HEIGHT OF THOROUGHLY COMPACTED FILL OVER THESE STRUCTURES SHALL BE CONSTRUCTED AT THE EARLIEST POSSIBLE TIME.

TILE FOR SUBGRADE DRAINAGE

6" DRAIN TILE SEC. M 6.7 (b) SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR IN CATCH BASINS FOR SUBGRADE DRAINAGE, WHERE AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAME SHALL BE INCLUDED IN THE PRICE BID PER "EACH" FOR CATCH BASINS.

ITEMS L-10 SODDING, I-10 RIP RAP AND 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.

SOD ALONG PAVED GUTTER AND RIP RAP

ALL PAVED GUTTER AND ALL TYPE "A" RIP RAP SHOWN IN THESE PLANS SHALL HAVE A MINIMUM OF 1'-6" OF SOD STRIP ALONG OPPOSITE EDGES PARALLEL TO THE DIRECTION OF FLOW. SOD TO BE PAID FOR AS ITEM L-10.

SOD AREAS

ALL SOD AREAS SHALL HAVE COMMERCIAL FERTILIZER (12-12-12) AND AGRICULTURAL LIMING MATERIAL APPLIED AT THE SAME RATE AND IN THE SAME MANNER AS FOR THE SEEDED AREAS IN ACCORDANCE WITH SECTION L-9.10. THE SOD BED SHALL HAVE TWO (2) INCHES OF LOOSE SOIL ON WHICH SOD IS LAID AFTER EXCAVATION FOR SOD THICKNESS.

EROSION CONTROL AT BRIDGES

WHERE CALLED FOR ON PLANS ITEM L-10 SODDING FOR SPECIAL BERM AND SLOPE PROTECTION SHALL BE INSTALLED AS FOLLOWS:

PRIOR TO PLACEMENT OF SOD IN THE BERM AND SLOPE, GALVANIZED POULTRY FENCE SHALL BE PLACED ON THE FINISHED GRADE IN STRANDS WHICH SHALL BE AT RIGHT ANGLES TO THE DIRECTION OF FLOW. EACH STRAND SHALL BE STAKED SECURELY ON TOP AND BOTTOM WITH STAKES SPACED AT FOUR FOOT INTERVALS AND ALTERNATED IN ROWS FOUR FEET APART.

STAKES SHALL BE 1" x 1" x 8" WOOD STAKES AND SHALL BE PERPENDICULAR TO THE GROUND AND FLUSH WITH THE FINISHED GRADE.

THE FENCE SHALL BE STRAIGHT LINE POULTRY FENCE OR EQUIVALENT WITH STRAND WIDTH OF FOUR FEET, HAVING A TWO INCH MESH AND ALL WIRES NO. 20 GAUGE.

EACH STRAND OF FENCING SHALL BE FASTENED TOGETHER AT TWELVE INCH INTERVALS BY MEANS OF HOG RINGS.

THE FENCE SHALL BE SECURED TO THE WOOD STAKES BY METAL STAPLES.

SOD SHALL BE LAID IN ACCORDANCE WITH CONSTRUCTION AND MATERIALS SPECIFICATIONS SECTION L-10.07.

PAYMENT FOR THIS ITEM SHALL INCLUDE ALL LABOR AND MATERIAL INCIDENTAL TO COMPLETION OF THIS ITEM AS NOTED ABOVE.

DRAINAGE (CONT'D)

CUT OFF WALLS

CUT OFF WALLS WHERE CALLED FOR ON THESE PLANS SHALL BE INCLUDED IN THE PRICE BID FOR THE RESPECTIVE ITEM OF WHICH THEY ARE A PART.

CUT OFF WALLS SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF ALL PAVED GUTTER, EXCEPT AT ENDS ADJACENT TO CATCH BASINS.

PIPE CUTOFF AT CULVERTS

WHEN BELL AND SPIGOT PIPE IS USED, ANY NECESSARY PIPE CUT-OFFS WILL BE MADE AT THE SPIGOT END OF THE LENGTH OF PIPE ADJACENT TO THE END LENGTH. WHEN TONGUE AND GROOVE PIPE IS USED THE LENGTH OF PIPE NEXT TO THE END LENGTH SHALL BE CUT AND BUTT JOINT FORMED WITH A COLLAR 12" LARGER THAN THE OUTSIDE DIAMETER AND 12" IN LENGTH. THE COST OF THE JOINT AND COLLAR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE PERTINENT PIPE ITEM. (FOR DETAIL SEE SHEET NO. 7)

SPECIAL DITCHES

FOR SPECIAL DITCH GRADES, SEE CROSS SECTIONS.

PLUGGING PIPE ENDS

THE UPSTREAM ENDS OF PIPE LINES OR TILE LINES INTERCEPTED BY EARTHWORK OPERATIONS SHALL BE EFFECTIVELY BLOCKED AND COVERED. BROKEN PIECES AND PORTIONS OF PIPE OR TILE SHALL BE REMOVED UNTIL A WHOLE LENGTH IS ENCOUNTERED, WHICH SHALL BE BLOCKED WITH CONCRETE, FLAT STONE OR BRICK LAID IN MORTAR, PRECAST CLAY OR CONCRETE STOPPER. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE PRICE BID FOR ROADWAY EXCAVATION, ITEM E-101.

REMOVAL OF EXISTING HOUSE DRAINS

THE REMOVAL OF ALL EXISTING HOUSE CONNECTIONS, WHICH INCLUDES SANITARY, YARD, ROOF, BASEMENT OR OTHER SIMILAR PIPE DRAINS WITHIN THE ROADWAY CONSTRUCTION LIMITS SHALL BE CLASSIFIED AND PAID FOR AS ITEM E-101, ROADWAY EXCAVATION, UNLESS OTHERWISE ITEMIZED FOR PAYMENT IN THE PLANS.

CONTRACTION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED AND THE MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS SHALL IN ALL CASES BE IN ACCORDANCE WITH STANDARD DRAWING T. J.

TRYGVE HOFF & ASSOCIATES ENGINEERS 1922 EAST 107TH STREET CLEVELAND, OHIO					
GENERAL NOTES					
SCALE			DATE		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
		L.S.		T.L.L.	10/11/58