

# GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

3  
21

LAKE COUNTY  
LAK. 174 - 3.80

## CONTROL AND REFERENCE

CONTROL AND REFERENCE POINTS ARE ON FILE IN THE DIVISION OFFICE. REFERENCE STAKES HAVE BEEN SET BY DIVISION SURVEY CREWS.

## ROUNDING OF CORNERS SHOWN ON CROSS-SECTIONS

THE ROUNDED CORNERS SHOWN ON STANDARD DRAWING RI-1, AS MODIFIED BY THE TYPICAL SECTIONS, APPLY TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

## FIELD OFFICE

THE CONTRACTOR SHALL, IN ACCORDANCE WITH SEC. 5-0.01(B), PROVIDE FOR THE EXCLUSIVE USE OF THE STATE'S EMPLOYEES, A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ. FT. OF FLOOR SPACE. THE CONTRACTOR SHALL HAVE A TELEPHONE INSTALLED AND MAINTAINED IN THIS FIELD OFFICE DURING THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL ALSO PROVIDE AND INSTALL WIRING AND OUTLETS SUITABLE FOR CONNECTING ELECTRIC LIGHTS AND OFFICE EQUIPMENT IN THE FIELD OFFICE AND PROVIDE 110 VOLT ALTERNATING CURRENT TO THE OFFICE DURING THE ENTIRE PERIOD OF CONSTRUCTION OF THIS PROJECT.

## UTILITY ADJUSTMENT

ANY OR ALL WORK REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS.

## UNDERGROUND UTILITIES

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO MAKES NO GUARANTEES AS TO THEIR ACCURACY OR COMPLETENESS.

## UTILITIES

FOLLOWING IS A LIST OF UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT:

OHIO BELL TELEPHONE CO.  
CLEVELAND ELECTRIC ILLUMINATING CO.  
CITY OF WILLOUGHBY: WATER DEPT.

## CONSTRUCTION LAYOUT STAKES

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

## NON-RIGID PAVEMENT REMOVAL

REMOVAL AND DISPOSAL OF EXISTING NON-RIGID PAVEMENT, UNLESS OTHERWISE INDICATED ON THESE PLANS, SHALL BE MEASURED AND PAID FOR AS ITEM E-1, ROADWAY EXCAVATION.

## TYPE 4 PAVED GUTTER

In addition to the requirements of Section E-109, the subgrade for Std. Paved Gutter Type 4 and Type 4 Modified, shall be compacted for a depth of six inches with a roller or other approved equipment to obtain the density specified in Table 1, Condition 2, Section E-1.08 of the Construction and Material Specifications. Payment for subgrade compaction shall be included in the unit price bid for paved gutter.

## REMOVAL OF EXISTING PIPES

THE REMOVAL OF ALL EXISTING PIPE DRAINS, INCLUDING HEADWALLS, WITHIN THE LIMITS OF PROPOSED EXCAVATION SHALL BE INCLUDED IN PAYMENTS IN THE UNIT PRICE BID FOR ITEM E-1 ROADWAY EXCAVATION, UNLESS OTHERWISE ITEMIZED IN THE PLANS.

## PLUGGING PIPE

THE UPSTREAM ENDS OF ALL PIPE OR TILE LINES INTERCEPTED BY EARTH-WORK OPERATIONS (AND, WHERE INDICATED, THE ENDS OF PIPE LINES TO BE ABANDONED IN PLACE) SHALL BE EFFECTIVELY BLOCKED AND COVERED. BROKEN PIECES AND PORTIONS OF PIPE OR TILE SHALL BE REMOVED UNTIL A WHOLE UN-DAMAGED LENGTH IS ENCOUNTERED. THIS PIPE SHALL THEN BE BLOCKED WITH CONCRETE, FLAT STONE OR BRICK LAID IN MORTAR, OR A PRECAST CLAY OR CONCRETE STOPPER. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM E-1, ROADWAY EXCAVATION.

## ROCK SUBGRADE

*The Contractor shall be paid for the thickness of I-22 material shown on the typical sections in rock excavations. Any pockets in the rock below the plan subgrade elevation shall drain either longitudinally or laterally and all irregularities in the rock below this elevation shall be filled with I-22 material at no additional cost to the State.*

## DRAINAGE OF BASE MATERIAL

WHERE THE BASE MATERIAL IS DRAINED BY EXTENSIONS OF THE SUBBASE THROUGH THE SHOULDERS TO THE FILL SLOPE OR THE DITCH LINE, THE CONTRACTOR SHALL FINISH, SEED, AND MULCH THE SLOPES SO AS NOT TO IMPEDE DRAINAGE OF THE BASE MATERIAL.

## REMOVAL OF TREES AND STUMPS

ALL TREES AND STUMPS LYING WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE UNIT PRICE BID FOR ITEM E-9, REMOVAL OF TREES AND STUMPS.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS
12"-18"	29	
18"-24"	5	
24"-30"	3	
30"-36"	2	
36"-42"	1	
42"-48"		
TOTAL		

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE AT THE UNIT PRICE BID FOR ITEM E-9, REMOVAL OF TREES AND STUMPS.

## ITEM I-8. MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN

*This item shall consist of the careful removal of the existing manhole down to the spring line and reconstruction of the manhole to the new grade, conforming as nearly as practicable to the existing dimensions and type of construction and using salvaged manhole frame and cover.*

## AGRICULTURAL LIMING MATERIAL

THE LOCATION AND NEED FOR AGRICULTURAL LIMING MATERIAL WILL BE DETERMINED BY FIELD 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 AREA WHERE TESTS SHOW THAT LIMING MATERIAL IS NOT NEEDED.

## 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 RIGHT-OF-WAY LINE IF SUCH LINE IS LESS THAN TEN (10) FEET FROM THE WORK LIMITS, AND WITHIN THE WORK LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY SLOPE EASEMENT.

## MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED INTO USE.

PAYMENT FOR ANY ADDITIONAL COSTS INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY ANY OTHER MEANS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE RESPECTIVE PIPE ITEMS.

## ITEM T-30 TACK COAT

ALTHOUGH THIS ITEM HAS BEEN ESTIMATED FOR USE ON THE ENTIRE EXISTING BITUMINOUS PAVEMENT AREA TO BE RESURFACED, IT SHALL BE USED ONLY ON DRY OR CHECKED PAVEMENT AREAS WHERE SPECIFICALLY DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE ON FINAL MEASUREMENT.

## CONTRACTION AND EXPANSION JOINTS

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

## STANDARD EXPANSION BOLTS

DOWEL HOLES FOR PLACING STANDARD EXPANSION BOLTS SHALL BE DRILLED AS SHOWN ON STANDARD DRAWING L.J. NO. 1 AND PAID FOR AT THE UNIT PRICE BID FOR ITEM S-23 DOWEL HOLES. COST OF FURNISHING AND INSTALLING STANDARD EXPANSION BOLTS AND ALL MATERIAL NEEDED TO COMPLETE STANDARD EXPANSION BOLT JOINT, AS SHOWN ON STANDARD DRAWING L.J. NO. 1, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM SPECIAL STANDARD EXPANSION BOLTS.

## PLANTING VINES

IN LIEU OF MULCHING AS REQUIRED BY SECTION L-12.23, VINE PLANTING AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH ITEM L-9, SEEDING AND PROTECTING, WITHIN 48 HOURS AFTER THE VINES ARE PLANTED.