

# GENERAL NOTES

FHWA REGION	STATE	PROJECT
5	OHIO	

6  
38

LAKE COUNTY  
LAK-44-4.14

## PAVEMENT

### PROFILE

THE PROFILE OF THE PROPOSED ASPHALT CONCRETE COURSE SHALL BE APPROXIMATELY 3-3/4 INCHES ABOVE THAT OF THE EXISTING PAVEMENT.

### PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY OF BUILDING (PORTIONS OF) THIS PROJECT UNDER TRAFFIC AND CONSTRUCTING THE FULL PAVEMENT WIDTH IN STAGES, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT ON CENTERLINE IN THE BASE COURSES. LONGITUDINAL JOINTS SHALL BE LAPPED AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-5.

### ITEM 202 - RAISED PAVEMENT MARKERS REMOVED FOR STORAGE

RAISED PAVEMENT MARKERS SHALL BE REMOVED IN A MANNER THAT PREVENTS DAMAGE TO THE CASTINGS. ALL DEPRESSIONS CAUSED BY REMOVAL OF THE MARKERS SHALL BE FILLED WITH 848 TO THE EXISTING ROAD SURFACE PRIOR TO RESURFACING. REMOVED MARKERS ARE TO BE STORED ON THE RIGHT-OF-WAY WITHIN THE PROJECT LIMITS BY THE CONTRACTOR AS DIRECTED. ALL COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 202 - RAISED PAVEMENT MARKERS REMOVED FOR STORAGE. QUANTITY AS SHOWN ON SHEET 21.

### ITEM 301 - BITUMINOUS AGGREGATE BASE, AS PER PLAN

THIS ITEM SHALL BE USED FOR EROSION CONTROL UNDER GUARDRAIL AS SHOWN ON THE TYPICAL SECTIONS. WHEN USED AS SUCH, THIS ITEM OF WORK SHALL INCLUDE ALL COSTS OF EXCAVATION AND EMBANKMENT OPERATIONS NECESSARY FOR THE PLACEMENT OF THIS ITEM IN ACCORDANCE WITH THE REQUIREMENTS OF 203. THE SITE RESTORATION WORK WILL BE INCLUDED UNDER ITEM 203 - LINEAR GRADING. (THIS ITEM SHALL BE PLACED BEFORE THE GUARDRAIL IS INSTALLED).

WHEN WORKING UNDER EXISTING GUARDRAIL THE COMPACTION METHOD SHALL BE AS APPROVED BY THE ENGINEER. BEFORE COMPLETION OF WORK ON THIS PROJECT BY THE CONTRACTOR, ANY DAMAGE TO THIS ITEM CAUSED BY THE INSTALLATION OF GUARDRAIL OR OTHER ITEMS OF WORK SHALL BE REPAIRED, AT NO ADDITIONAL COST TO THE STATE.

PAYMENT FOR THIS ITEM OF WORK WILL BE BASED ON PLAN DIMENSIONS OR WEIGHT CONVERSION TICKETS, WHICHEVER IS LOWER. THIS ITEM SHALL ALSO BE USED AS SHOWN ON SHEETS 32, 8, AND 33. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS OUTLINED ABOVE.

(QUANTITY FOR USE FOR EROSION CONTROL CARRIED ELSEWHERE)

ITEM 301 - BITUMINOUS AGGREGATE BASE, AC-20, RT-II, OR  
RT-12, AS PER PLAN 40 C.Y.

### ITEM 305 - 16" PORTLAND CEMENT CONCRETE BASE, AS PER PLAN

ALL PATCHES ARE TO BE UNDERCUT A MINIMUM OF 6 INCHES BELOW THE BOTTOM OF THE EXISTING PAVEMENT AND SHALL EXTEND BACK UNDER THE EXISTING PAVEMENT 9 INCHES ALONG ALL SIDES. DOWELS ARE REQUIRED AT THE JOINTS AS SHOWN ON SHEET NO. 30. THE COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 305, 16" PORTLAND CEMENT CONCRETE BASE, AS PER PLAN.

### ITEM 305 - 10" PORTLAND CEMENT CONCRETE BASE, AS PER PLAN

THIS ITEM OF WORK SHALL INVOLVE THE REPLACEMENT OF PAVEMENT SECTIONS AS DESIGNATED IN THE PLANS ON SHEET 30.

REMOVAL OF PAVEMENT FULL DEPTH AND CUTTING OFF ALL PROTRUDING DOWEL BARS. BEFORE ANY SECTION IS REPLACED, THE EXISTING BASE SHALL BE EXAMINED AND DETERMINED IF SUITABLE BY THE ENGINEER. THE SURFACE SMOOTHNESS REQUIRED BY 451.12 SHALL BE WAIVED. DOWELS ARE REQUIRED AT THE TRANSVERSE JOINTS AND HOOK BOLTS, AS PER BP-3 AT 5 FOOT INTERVALS AT LONGITUDINAL JOINTS ABUTTING EXISTING PAVEMENT.

PAYMENT FOR ALL OPERATIONS AND MATERIAL NECESSARY TO PERFORM THE WORK SHALL BE AT THE UNIT PRICE BID PER SQUARE YARD OF ITEM 305, 10" PORT-CEMENT CONCRETE BASE, AS PER PLAN.

### DIMENSIONS FOR PAVEMENT REPLACEMENTS

THE DIMENSIONS FOR THE CONCRETE PAVEMENT REPLACEMENTS SHOWN IN THE PLANS ARE APPROXIMATE. THE FIELD DIMENSIONS FOR THE REPLACEMENTS MAY BE ADJUSTED BY THE ENGINEER AND FINAL PAYMENT QUANTITIES SHALL BE ACTUAL COMPLETED WORK DIMENSIONS.

### UNSTABLE MATERIALS REMOVED AND REPLACED

THIS WORK SHALL CONSIST OF REMOVING OF UNSTABLE SUBBASE AND SUBGRADE MATERIALS AS ENCOUNTERED IN AREAS OF 305 PAVEMENT REPLACEMENT. WORK SHALL INCLUDE PREPARING A NEW SURFACE AS REQUIRED, FURNISHING, PLACING, AND COMPACTING SUBBASE, TYPE II, AS CLOSE AS POSSIBLE TO CONFORM WITH EXISTING CROSS-SECTIONS. ALL UNDER CUT AREAS ARE TO BE DRAINED TO EXISTING UNDERDRAIN, COST TO BE INCLUDED IN THIS ITEM. THIS WORK SHALL BE PERFORMED ONLY WHEN DEEMED NECESSARY AND IN SPECIFIC AREAS DETERMINED BY THE ENGINEER. THE SPECIFICATIONS FOR ITEM 310, EXCEPT AS NOTED IN THE PLANS, SHALL APPLY WHERE PERTINENT TO THE OPERATIONS BEING PERFORMED. OTHERWISE WORK SHALL BE AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER FOR REPLACING UNSUITABLE MATERIAL, PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE IN PLACE, SHALL BE MADE AT THE UNIT PRICE BID FOR:

ITEM 310 - SUBBASE, TYPE II, AS PER PLAN

740 C.Y.

### ITEM 310 - SUBBASE, TYPE I AS PER PLAN

THIS ITEM SHALL BE USED TO REPLACE EXISTING UNSUITABLE SUBBASE PRIOR TO THE PLACING OF ITEM 301 AS SHOWN ON SHEET 33. ALL COSTS OF EXCAVATION AND INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 310 - SUBBASE, TYPE I AS PER PLAN. THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED IN THE GENERAL SUMMARY TO BE USED AS OUTLINED ABOVE:

ITEM 310 - SUBBASE, TYPE I AS PER PLAN

100 C.Y.

### ITEM 407 - TACK COAT

THE TACK COAT AND COVER AGGREGATE OPERATIONS SHALL BE AS DETERMINED AT A PRE-CONSTRUCTION CONFERENCE AS PER SECTION 407.05. THE APPLICATION RATE SHALL NOT EXCEED 0.10 GAL. PER SQUARE YARD FOR TACK COAT AND 7 LBS. PER SQUARE YARD FOR COVER AGGREGATE.

### ITEM 609 - ASPHALT CONCRETE CURB

THIS ITEM SHALL BE USED TO RE-DIRECT THE FLOW OF WATER AWAY FROM BRIDGE ABUTMENT(S) LOCATED THE DOWNGRADE SIDE OF EACH STRUCTURE.

TWENTY FIVE (25) L.F. OF ASPHALT CURB SHALL BE USED AT EACH LOCATION. THE CURB SHALL BUTT CLOSELY TO THE WINGWALL AND BE LOCATED EITHER BEHIND OR UNDER THE GUARDRAIL.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS OUTLINED ABOVE:

ITEM 609 - ASPHALT CONCRETE CURB  
AC-20 STANDARD TYPE 1

250 L.F.