

FHWA REGION	STATE	PROJECT	
5	OHIO		

8
114

LAKE COUNTY
LAK-20-6.85

CALC: PCB 12-83
CHK: ROB 12-83

GENERAL NOTES

MAINTENANCE OF TRAFFIC

THE MAINTENANCE OF TRAFFIC SHALL BE GOVERNED BY THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS, HEREINAFTER CALLED THE MANUAL, AND AS SUPPLEMENTED BY PERTINENT ITEMS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE FOLLOWING REQUIREMENTS:

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, MAINTAIN (IN PROPER POSITION, CLEAN, LEGIBLE, AND IN GOOD WORKING CONDITION) AND REMOVE ALL LIGHTS, SIGNS, SIGN SUPPORTS, BARRICADES, DRUMS, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC.

THE COST OF PROVIDING, INSTALLING, MAINTAINING AND REMOVING ALL TRAFFIC CONTROL DEVICES REQUIRED TO MAINTAIN TRAFFIC DURING CONSTRUCTION INCLUDING LIGHTS, SIGNS, SIGN SUPPORTS, DRUMS AND BARRICADES SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, "MAINTAINING TRAFFIC".

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIFICATION 614. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, TEMPORARY PAVEMENT AND THE COMPLETED PAVEMENT. (SEE SHEETS 9 - 12).

PRIOR TO PHASE I, A FOUR FOOT WIDE STRIP OF TEMPORARY PAVEMENT CLASS B SHALL BE PLACED ALONG THE LEFT SIDE OF US-20 AS SHOWN IN THE PHASE I DETAILS. THIS PAVEMENT SHALL REMAIN IN PLACE EXCEPT IN THE AREAS WHERE, THERE IS NEW FULL DEPTH PAVEMENT AND INTERFERENCE WITH THE PROPOSED TYPE 2 CURB & GUTTER AND/OR ITEM 404 ASPHALT CONCRETE. (SEE TYPICAL SECTIONS).

THE PROJECT AREA SHALL HAVE ROAD CONSTRUCTION SIGNS PLACED ON THE PROJECT IN ACCORDANCE WITH THE PHASE I AND PHASE II DETAILS.

The Class B pavement shall be the flexible design.

THE CLASS B PAVEMENT SHALL BE MODIFIED BY DELETING ITEM 304 AGGREGATE BASE AND USING FLEXIBLE PAVEMENT.

ACCESS TO THE ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL NOTIFY THE CITY OF MENTOR FIRE AND SERVICE DEPARTMENT AT LEAST 72 HOURS PRIOR TO ANY LANE RESTRICTIONS, DIVERSIONS, ETC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 404 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC-----	20 C.Y.
ITEM 410 TRAFFIC COMPACTED SURFACE, TYPE A OR B-----	50 C.Y.
ITEM 615 TEMPORARY PAVEMENT CLASS B, AS PER PLAN-----	3165 S.Y.
ITEM 616 WATER-----	100 M. GAL.
ITEM 616 CALCIUM CHLORIDE-----	10 TONS

ALL OTHER WORK REQUIRED FOR TRAFFIC MAINTENANCE, EXCEPT PROVIDING LAW ENFORCEMENT OFFICERS, REPLACEMENT DRUMS, REPLACEMENT SIGNS AND TEMPORARY PAVEMENT MARKINGS SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.

LAW ENFORCEMENT OFFICER

THE CONTRACTOR SHALL PROVIDE AND PAY ALL COST FOR THE SERVICES OF LAW ENFORCEMENT OFFICER FOR THE EXCLUSIVE PURPOSE OF CONTROLLING TRAFFIC WHENEVER A CHANGE IN THE TRAFFIC PATTERN TAKES PLACE. THE NUMBER OF OFFICERS REQUIRED FOR THIS PURPOSE SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. PAYMENT FOR THE ABOVE WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL, LAW ENFORCEMENT OFFICER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS REGARDING SCHEDULING AND PAYMENT OF LAW ENFORCEMENT OFFICER.

THE FOLLOWING PAY ITEM AND QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - LAW ENFORCEMENT OFFICER-----50 HRS.

REPLACEMENT SIGNS

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE

CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE BID PRICE PER SQUARE FOOT FOR ITEM SPECIAL, REPLACEMENT SIGNS AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED SIGNS, HARDWARE AND SUPPORTS; AND PROVIDING NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC. REPLACEMENT SIGNS SHALL BE NEW BUT OTHER MATERIALS MAY BE USED SUBJECT TO APPROVAL BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY OF ITEM SPECIAL, REPLACEMENT SIGNS HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL REPLACEMENT SIGNS----- 50 S.F.

REPLACEMENT DRUMS

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER AND PAID FOR UNDER ITEM SPECIAL REPLACEMENT DRUMS. PAYMENT FOR EACH DRUM SHALL INCLUDE (1) THE COST OF THE REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND (2) PROVIDING, MAINTAINING AND REMOVING NEW DRUMS IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUMS.

THE FOLLOWING ESTIMATED QUANTITY OF ITEM SPECIAL REPLACEMENT DRUMS HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL REPLACEMENT DRUMS ----- 50 EACH

TEMPORARY MAINTENANCE OF EXISTING SIGNALS

INCIDENTAL TO THE REQUIREMENTS FOR MAINTAINING TRAFFIC IN ACCORDANCE WITH 614.03, EXISTING TRAFFIC SIGNALS AT THE INTERSECTIONS OF U.S. 20-S.R. 306 AND U.S. 20-MIDDLESEX ROAD SHALL BE TEMPORARILY MAINTAINED UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION IS IN OPERATION.

THE CONTRACTOR SHALL ALIGN THE EXISTING SIGNAL HEADS WITH THE TEMPORARY LANES AS REQUIRED FOR PHASE I AND PHASE II. ALL SIGNALS NOT REQUIRED FOR TEMPORARY TRAFFIC CONTROL SHALL BE COVERED. THE CONTROLLER SHALL OPERATE AS A PRE-TIMED CONTROLLER TO PROVIDE THE BEST FLOW OF TRAFFIC DURING THE MAINTENANCE OPERATION. THE COST OF THE ABOVE WORK SHALL BE INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

THE BASE WIDENING ON THIS PROJECT WILL BE COMPLETED TO A MAXIMUM DEPTH OF EITHER THREE INCHES ABOVE OR BELOW THE EXISTING PAVEMENT BY THE END OF THE WORK DAY. EXCEPT FOR A SHORT LENGTH OF A WORK SECTION BEING 25 FEET OR LESS AT THE END OF THE TRENCH, NO TRENCH WILL BE LEFT OPEN OVERNIGHT. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING WILL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

SEQUENCE OF OPERATIONS

PHASE I

THE CONTRACTOR SHALL ADD A 4' WIDE SECTION OF TEMPORARY PAVEMENT CLASS B, MODIFIED ON THE NORTH SIDE OF U.S. 20 FROM STATION 43 + 60 TO STATION 118 + 60 AS SHOWN ON PHASE I DETAIL.

EXISTING TWO-WAY TWO LANE TRAFFIC (11 LANES) SHALL BE MAINTAINED ON THE NORTH SIDE OF EXISTING CENTERLINE WHILE THE PROPOSED PAVEMENT IS CONSTRUCTED ON THE SOUTH SIDE. A SEPARATE LEFT TURN LANE SHALL BE PROVIDED AT S.R. 306 FOR BOTH EAST AND WEST BOUND TRAFFIC (SEE PHASE I DETAIL).

PHASE II

EXISTING TWO-WAY TWO LANE TRAFFIC SHALL BE MAINTAINED ON THE SOUTH SIDE OF EXISTING CENTERLINE WHILE THE PROPOSED PAVEMENT IS CONSTRUCTED ON THE NORTH SIDE. AGAIN SEPARATE LEFT TURN LANES SHALL BE PROVIDED AT S.R. 306 AND A SEPARATE RIGHT TURN LANE FOR WEST BOUND U.S. 20 TRAFFIC INTO NORTH BOUND S.R. 306 SHALL BE ADDED. (SEE PHASE II DETAIL).

SIDE ROADS

TWO-WAY LANE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON S.R. 306 WHILE CONSTRUCTION IS BEING COMPLETED.

THE OTHER CROSSROADS AT MIDLAND, DARTMOOR, STOCKBRIDGE, MIDDLESEX AND BRENTWOOD MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 5 CONSECUTIVE CALENDAR DAYS WHILE CONNECTIONS TO U.S. 20 ARE BEING COMPLETED. ONLY ONE CROSSROAD SHALL BE CLOSED AT ANY ONE TIME.

ALL CROSSROADS ARE TO BE COMPLETED UNDER PHASE I. A TYPE III BARRICADE SHALL BE PLACED AT THE LAST SUBDIVISION CROSSROAD TO THE CLOSURE WHEN THE SIDE ROAD IS CLOSED.

GENERAL

DURING CONSTRUCTION INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES ADJACENT TO U.S. 20.