

MAINTENANCE OF TRAFFIC GENERAL NOTES

ITEM 614. MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON STATE ROUTE 44 BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, 615 TEMPORARY PAVEMENT, AND TEMPORARY SURFACES USING 614, 410 AND 616.

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

614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	3	CU. METER
410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	3	CU. METER
616, CALCIUM CHLORIDE	1	METRIC TON
616, WATER	200	CU. METER

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

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 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.

ITEM 614-LAW ENFORCEMENT OFFICER (WITH PATROL CAR)

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED, LAW ENFORCEMENT OFFICER AND OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

- FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.
- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
- DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (L.E.O.'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH:

OHIO STATE HIGHWAY PATROL
530 CENTER STREET
CHARDON, OHIO 44024
(216)-286-6612

LAW ENFORCEMENT OFFICERS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM SPECIAL-LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR 32 HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, HE MAY DO SO AT HIS OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

ITEM 622. PORTABLE CONCRETE BARRIER

IT IS ANTICIPATED THAT THE SAME BARRIER WILL BE USED IN VARIOUS PHASES OF CONSTRUCTION. MOVEMENT OF THE CONCRETE BARRIER BETWEEN PHASES SHALL BE ACCOMPLISHED IN ONE WORKING DAY. FLAGGERS SHALL BE UTILIZED FOR PROTECTION OF VEHICULAR TRAFFIC UNTIL MOVEMENT OF THE BARRIER IS COMPLETE. HOWEVER, THE BRIDGE BARRIER FOR THE PHASE II SOUTHBOUND BRIDGE SHALL BE PLACED WHILE LEAVING THE PHASE I SOUTHBOUND BRIDGE BARRIER IN PLACE.

ALL COSTS INVOLVED IN FURNISHING, PLACING, REMOVING AND REINSTALLING THE CONCRETE BARRIER WILL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 622, PORTABLE CONCRETE BARRIER.

ITEM SPECIAL. REPLACEMENT SIGN

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. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE USED BUT IN GOOD CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTROL PRICE PER SQUARE FOOT FOR ITEM SPECIAL, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 20 SQUARE FEET HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM SPECIAL. REPLACEMENT DRUM

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. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM SPECIAL, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 30 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

GENERAL

PAVEMENT TAPER RATES SHALL BE AS NOTED ON THE PHASING DETAILS.

TEMPORARY PAVEMENT MARKINGS SHALL BE AS PER THE LOCATION AND QUANTITIES SPECIFIED ON THE PHASING DETAILS. EXISTING MARKINGS SHALL BE REMOVED AS A PART OF ITEM 614 AS PER MT-102.10M, NOTE 9 AND MT-95.40M, NOTE 10.

LIGHTING REQUIREMENTS SPECIFIED ON THE STANDARD DRAWINGS WILL NOT BE NECESSARY FOR THIS PROJECT.

STORM SEWER CONSTRUCTION

PRIOR TO PLACING THE PHASE I MAINTENANCE OF TRAFFIC PLAN INTO EFFECT, THE STORM SEWER MAINS SHALL BE CONSTRUCTED FROM THE OUTLETS TO A POINT WHERE THEY CAN BE COMPLETED DURING THE M.O.T. PHASE I OPERATION. LANE CLOSURES SHALL BE AS PER MT-95.30M. IT IS ANTICIPATED THAT THE LANE CLOSURE WILL BE NEEDED FOR ONE WORKING DAY TO PLACE THE PIPES UNDER THE PHASE II PAVEMENT AREA. NO LANE CLOSURE WILL BE PLACED INTO EFFECT UNTIL ALL PIPE SEGMENTS OUTSIDE THE PAVEMENT AREA ARE COMPLETE ON EACH SIDE OF CENTERLINE CONSTRUCTION.

NORTHBOUND LANES BRIDGE CONSTRUCTION

STANDARD DRAWING MT-102.10M SHALL BE USED AS THE BASIS FOR THE TYPE, USE AND PLACEMENT OF THE MAINTENANCE OF TRAFFIC SIGNING, INCLUDING TYPE A FLASHING WARNING LIGHTS ON CONSTRUCTION SIGNS. GENERAL SIGN SPACING REQUIREMENTS SHOWN ON THE STANDARD DRAWING SHALL BE ADJUSTED AS NECESSARY TO FIT THE PHASING DETAILS.

THE FOLLOWING RIGHT OR LEFT HAND APPLICATION FOR VARIOUS SIGNS APPLIES TO EACH PHASE. ALL OTHER SIGNS SHALL BE AS SPECIFIED ON THE STANDARD DRAWING.

PHASE I SIGN CODE	SIGN MESSAGE
OC-39BL-48	ALL TRUCKS USE LEFT LANE
OC-49R-48	RIGHT LANE MUST USE SHOULDER
OW-143-24	THE SPEED SIGN IS NOT NEEDED
OW-5A-48	TWO OFFSET ARROWS TO THE RIGHT (SOUTH OF BRIDGE)
OW-6A-48	TWO OFFSET ARROWS TO THE LEFT (NORTH OF BRIDGE)

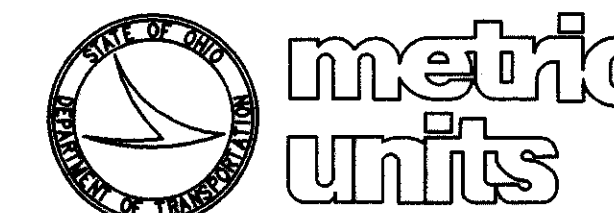
PHASE II SIGN CODE	SIGN MESSAGE
OC-39BR-48	ALL TRUCKS USE RIGHT LANE
OC-49L-48	LEFT LANE MUST USE SHOULDER
OW-143-24	THE SPEED SIGN IS NOT NEEDED
OW-6A-48	TWO OFFSET ARROWS TO THE LEFT (SOUTH OF BRIDGE)
OW-5A-48	TWO OFFSET ARROWS TO THE RIGHT (NORTH OF BRIDGE)

SOUTHBOUND LANES BRIDGE CONSTRUCTION

SOUTHBOUND SR 44 TRAFFIC SHALL BE MAINTAINED ACCORDING TO STANDARD DRAWING MT-95.40M, WITH SIGNING AND MARKING DETAILS SHOWN ON THE ACCOMPANYING PHASING PLANS.

ITEM 614. BARRIER REFLECTORS AND OBJECT MARKERS

REFLECTORS AND THEIR MOUNTING AND OBJECT MARKERS SHALL CONFORM TO ITEM 626, EXCEPT THAT SPACING SHALL BE AS SHOWN AS STANDARD CONSTRUCTION DRAWINGS MT-95.40M AND MT-102.10M.



NOTE: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

SIGNAL HEADS

SIGNAL HEADS FOR EACH SIGNAL SYSTEM SHALL BE ROTATED TO FACE THEIR APPROPRIATE LANES OF TRAFFIC FOR EACH CONSTRUCTION PHASE.

ALL COSTS ASSOCIATED WITH THE SIGNAL HEAD ROTATIONS SHALL BE CONSIDERED PART OF ITEM 614 MAINTAINING TRAFFIC AND NO SEPARATE PAYMENT WILL BE MADE.

WINTER TRAFFIC LIMITATION

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND APRIL 15. NOVEMBER 15 SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH 108.07 FOR EACH CALENDAR DAY THAT ALL LANES ARE NOT OPEN AND AVAILABLE TO TRAFFIC.

I-90 MAINTENANCE OF TRAFFIC

ON I-90, STANDARD DRAWING MT-95.30M SHALL BE USED TO SIGN AND SHIFT TRAFFIC OUT FROM UNDER THE DECK REMOVAL OPERATION TAKING PLACE ON STATE ROUTE 44. EXIT RAMP TRAFFIC SHALL BE MAINTAINED THRU THE USE OF STANDARD DRAWINGS MT-98.12M, MT-98.13M, AND MT-98.14M.

ALL SIGNING, CONES, DRUMS, ARROW PANELS, PROTECTION VEHICLES AND OTHER ITEMS NOTED ON THE ABOVE STANDARD DRAWINGS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

IT IS ANTICIPATED THAT TEMPORARY PAVEMENT MARKINGS WILL NOT BE NECESSARY ON I-90 AND THAT ALL LANES WILL BE PLACED BACK INTO SERVICE AT THE END OF EACH WORK DAY. HOWEVER, IF IT BECOMES NECESSARY TO MAINTAIN A LANE CLOSURE ON I-90 CONTINUOUSLY FOR MORE THAN ONE WORK DAY, THE FOLLOWING TEMPORARY PAVEMENT MARKING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE BY THE ENGINEER.

614 TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I 2.40 KILOMETER

SHORT TERM LANE CLOSURE ON I-90

NO PERMANENT LANE CLOSURES WILL BE ALLOWED ON I-90. ONLY SHORT TERM LANE CLOSURES, AS DEFINED BELOW, WILL BE ALLOWED.

ONE (1) LANE IS PERMITTED TO BE CLOSED DURING THE FOLLOWING TIMES, EXCEPT DURING HOLIDAYS AND HOLIDAY WEEKENDS.

WEEKDAYS	
EASTBOUND	7:00 PM TO 3:00 PM (20 HOURS)
WESTBOUND	10:00 AM TO 6:00 AM (20 HOURS)

WEEKENDS	
EASTBOUND	9:00 PM FRIDAY TO 4:00 PM SUNDAY 9:00 PM SUNDAY TO 3:00 PM MONDAY
WESTBOUND	9:00 PM FRIDAY TO 3:00 PM SUNDAY 10:00 PM SUNDAY TO 6:00 AM MONDAY

LIQUIDATED DAMAGES WILL BE ACCESSED THE CONTRACTOR IF LANES ARE CLOSED OR REMAIN CLOSED OUTSIDE OF THE ABOVE PERMITTED LANE CLOSURE TIMES. THE AMOUNT OF LIQUIDATED DAMAGES WILL BE AS FOLLOWS: \$40.00 PER MINUTE THE LANE IS CLOSED.

NO SHORT TERM LANE CLOSURES SHALL BE IN EFFECT FOR THE FOLLOWING DESIGNATED HOLIDAYS:

CHRISTMAS	NEW YEARS	EASTER
MEMORIAL DAY	FOURTH OF JULY	
LABOR DAY	THANKSGIVING	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY FALL. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF THE WEEK	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 12:00N MONDAY
MONDAY	12:00N FRIDAY THROUGH 12:00N TUESDAY
TUESDAY	12:00N MONDAY THROUGH 12:00N WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 12:00N THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 12:00N MONDAY
FRIDAY	12:00N THURSDAY THROUGH 12:00N MONDAY
SATURDAY	12:00N FRIDAY THROUGH 12:00N MONDAY