

MAINTENANCE OF TRAFFIC NOTES

CALC.
BY: R.I.P.
DATE: 5-94
CHKD.
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DATE: 5-94

LAK - 2 - 4.51

OHIO
FHWA 5
REGION

6
40

ITEM 614 - MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION LATEST REVISION; THE SPECIFICATIONS; AND THE FOLLOWING:

LAK-2-4.51 STEVENS BOULEVARD

A DETOUR WILL BE REQUIRED FOR STEVENS BOULEVARD OVER S.R. 2 DURING CONSTRUCTION. DETOUR IS SHOWN ON SHEET 8.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION ON STEVENS BOULEVARD SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD BETWEEN JULY 15 AND OCTOBER 15 WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN IN SHEET 8. LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH 108.07 FOR EACH CALENDAR DAY STEVENS BOULEVARD REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED TIME LIMIT.

TRAFFIC CONTROL DEVICES LOCATED OUTSIDE OF THE LIMITS OF CONSTRUCTION

IN ADDITION TO THE REQUIREMENTS OF 614.03 (b) OF THE CMS, THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE EACH ADDITIONAL TRAFFIC CONTROL DEVICES LOCATED OUTSIDE OF THE LIMITS OF CONSTRUCTION AS ARE REQUIRED ON HIGHWAYS WHICH ARE USED AS DETOURS, INCLUDING THE ROAD CLOSED SIGNS UPON THE BARRICADES AT THE POINT WHERE THE HIGHWAY IS CLOSED.

NOTIFICATION

THE CONTRACTOR SHALL NOTIFY THE DISTRICT TRAFFIC ENGINEER 14 DAYS PRIOR TO CLOSURE.

THE CONTRACTOR SHALL ALSO NOTIFY THE LOCAL OFFICIALS LISTED BELOW TWO WEEKS PRIOR TO THE CLOSURE.

WILLOUGHBY FIRE DEPARTMENT
CITY OF WILLOUGHBY
ONE PUBLIC SQUARE
WILLOUGHBY, OHIO 44094
ATTENTION: MELVIN HOUSE (FIRE CHIEF)
(440)953-4348

WILLOUGHBY-EASTLAKE CITY SCHOOL DISTRICT
37047 RIDGE ROAD
WILLOUGHBY, OHIO 44094
ATTENTION: KIETH MILLER
(440)946-5000

SERVICE DIRECTOR
CITY OF WILLOUGHBY
ONE PUBLIC SQUARE
WILLOUGHBY, OHIO 44094
ATTENTION: DEAN KELLER
(440)951-2800

WILLOUGHBY POLICE DEPARTMENT
ONE PUBLIC SQUARE
WILLOUGHBY, OHIO 44094
ATTENTION: CONRAD STRAUBE (POLICE CHIEF)
(440)953-4212

LANE CLOSURE ON SR2 AND LIMITATIONS

DURING STRUCTURE DEMOLITION OR AT ANY TIME DURING CONSTRUCTION WHEN THERE IS POSSIBILITY OF DEBRIS FALLING ON THE ROADWAY BELOW, THE FOLLOWING CONDITIONS SHALL BE MET:

1. THE LANE DIRECTLY BELOW THE WORK AREA SHALL BE CLOSED AS PER STANDARD DRAWING MT-95.30M.
2. ONE LANE OF EASTBOUND TRAFFIC AND ONE LANE OF WESTBOUND TRAFFIC MUST REMAIN OPEN AT ALL TIMES.

NO PERMANENT LANE CLOSURES WILL BE ALLOWED ON SR2. ONLY SHORT TERM LANE CLOSURES, AS DEFINED BELOW, WILL BE ALLOWED.

ONE (1) LANE PERMITTED TO BE CLOSED DURING THE FOLLOWING TIMES:

WEEKDAYS	
EASTBOUND	9:00 PM TO 6:00 AM (9 HOURS)
WESTBOUND	9:00 PM TO 6:00 AM (9 HOURS)
WEEKENDS (SATURDAY AND SUNDAY)	
EASTBOUND	12:01 AM TO 12:01 PM (12 HOURS)
WESTBOUND	12:01 AM TO 12:01 PM (12 HOURS)

A LANE MAY ONLY BE CLOSED WHEN WORK IS BEING PERFORMED.

THE CONTRACTOR SHALL SUBMIT HIS PLANS FOR THE MAINTENANCE OF TRAFFIC IN WRITING TO THE ENGINEER. THE CONTRACTOR SHALL NOT IMPLEMENT ANY LANE CLOSURES UNTIL WRITTEN APPROVAL IS RECEIVED FROM THE ENGINEER. THE ENGINEER MAY AT ANY TIME, DISALLOW LANE CLOSURES FOR THE CONVENIENCE OF TRAVELING PUBLIC.

WORK REQUIRING ONE LANE CLOSURE SHALL COMMENCE WITHIN THIRTY (30) MINUTES OF THE IMPLEMENTATION OF THE CLOSURE. ALL CLOSURES SHALL BE REMOVED WITHIN THIRTY (30) MINUTES AFTER THE STOPPAGE OF THE WORK REQUIRING A LANE CLOSURE.

CONTRACTOR'S EQUIPMENT AND OPERATION

ALL VEHICLES AND EQUIPMENT MUST BE EQUIPPED WITH AT LEAST ONE FLASHING, ROTATING OR OSCILLATING AMBER LIGHT THAT IS VISIBLE IN ALL DIRECTIONS OF TRAFFIC FOR AT LEAST ONE QUARTER MILE, DAY OR NIGHT. THIS INCLUDES TRUCKS HAULING ASPHALT.

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAFFIC.

EQUIPMENT AND MATERIAL STORAGE

IN ORDER TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC, THE CONTRACTOR'S ATTENTION IS DIRECTED TO 614.03. IN ADDITION, THE FOLLOWING PROVISIONS SHALL APPLY:

- 1) ANY REMOVED ITEMS SHALL NOT BE STORED ON THE RIGHT-OF-WAY FOR MORE THAN THIRTY DAYS.
- 2) ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE STATE.

CONSTRUCTION PERIOD 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.

LENGTH AND DURATION OF LANE CLOSURES

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

TRAFFIC CONTROL DEVICES

ALL TRAFFIC CONTROL DEVICES REQUIRED INSIDE THE WORK LIMITS SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR.

CONTINGENCY QUANTITIES

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

ITEM 614 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC 50 CU.YDS.

METHOD OF PAYMENT

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.

FAILURE TO COMPLY

IF THERE IS ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES, OR WITH THE PROVISIONS OF THE OMUTCD, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL NOT BE CONSIDERED TO BE IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORK AREA IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONTINGENCIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES.

ITEM 616, WATER 50 M - GAL
ITEM 616, CALCIUM CHLORIDE 5 TONS

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR)

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE LATEST EDITION OF 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 ON SR2 DURING THE BRIDGE DECK REMOVAL AND REPLACEMENT.

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 CONTRACTORS SHALL MAKE ARRANGEMENTS FOR THESE SERVICES BY CONTACTING:

WILLOUGHBY POLICE DEPARTMENT
36700 EUCLID AVENUE
WILLOUGHBY, OHIO 44094
TELEPHONE: (440)953-4212
ATTENTION: KEN SCHMITT (ASSISTANT POLICE CHIEF)

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 614 - 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 80 HOURS

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

IF THE CONTRACTOR WISHES TO UTILIZE THE 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.

TRAFFIC CONTROL MATERIALS

A. SIGNS

SIGN DIMENSIONS AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR IN SIGN DESIGN DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION. THE SIGNS SHALL BE SUBJECT TO THE APPROVAL IF THE ENGINEER PRIOR TO THE START OF THE PROJECT.

B. SIGN SUPPORTS

TEMPORARY SIGN SUPPORTS SHALL BE AS SHOWN ON MT-105.10M AND MT-105.11M.

C. DRUMS

DRUMS SHALL BE IN ACCORDANCE WITH PERTINENT SECTIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL PERMANENT LANE CLOSURES SHALL BE DELINEATED WITH DRUMS SPACE AT 50 FEET CENTER TO CENTER. ALL COSTS FOR INSTALLING, MAINTAINING, AND SUBSEQUENT REMOVAL OF SAID DRUMS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

D. SMALL BARRICADES

TYPE II BARRICADES MAY BE USED INSTEAD OF DRUMS TO CLOSE LANES WHERE REQUIRED FOR RESURFACING. THESE SHALL BE 36" HIGH AND 12" WIDE. NEAR THE TOP OF THE BARRICADE THERE SHALL BE A PANEL WITH ALTERNATE ORANGE AND REFLECTORIZED WHITE 6" WIDE STRIPS. THIS PANEL SHALL BE AT LEAST 12" WIDE AND 24" HIGH. THE BARRICADE SHALL BE OF SUFFICIENT STABILITY SO THAT WIND OR TRAFFIC AIR TURBULENCE SHALL NOT UPSET THEM. BARRICADES SHALL BE IN ACCORDANCE WITH PERTINENT SECTIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

E. LIGHTING DEVICES

FLASHERS SHALL BE 12 VOLT BATTERY MODELS WITH 7" DIAMETER YELLOW LENSES ILLUMINATED BY RAPID INTERMITTENT FLASHES OF SHORT DURATION AND SHALL BE PLACED ON ALL SIGNS AT ALL TIMES.

CONTINUOUS BURN LIGHTS SHALL BE 12 VOLT BATTERY OPERATED MODELS WITH MINIMUM 7" DIAMETER YELLOW LENSES.