

# MAINTENANCE OF TRAFFIC

## ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, AND THE COMPLETED PAVEMENT.

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.

WHENEVER ANY TRAVELED SURFACE IS BEING WORKED ON OR OTHERWISE NOT SUITABLE FOR SAFE AND CONVENIENT USE BY VEHICLES, TRAFFIC CONTROL DEVICES SUFFICIENT TO PROTECT SUCH AREAS AND TO ASSURE THE SAFE PASSAGE FOR VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. SUCH TRAFFIC CONTROL DEVICES, AND THE MANNER IN WHICH THEY ARE USED, SHALL BE CONSISTENT WITH THESE PLANS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. THE TRAFFIC CONTROL DEVICE SYSTEM CONTAINED HEREIN SHALL CONSTITUTE THE MINIMUM PROVISIONS FOR TRAFFIC CONTROL FOR EACH PARTICULAR SITUATION. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED. ALSO, THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADDITIONAL BARRICADES, ETC. TO PROTECT FRESH CONCRETE DURING THE CURING PERIOD FROM ANY VEHICLES WHICH DRIVE AROUND OR THROUGH THE TRAFFIC CONTROL.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC.

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.

### LANE CLOSURE RESTRICTIONS

FROM STA. 100+00 TO STA. 202+85 AND STA. 244+00 TO STA. 293+00, ONE LANE CAN BE CLOSED IN EACH DIRECTION LONG TERM.

FROM STA. 202+85 TO STA. 244+00 AND STA. 293+00 TO STA. 300+62, LANE CLOSURE SHALL BE LIMITED TO 7 DAYS FOR THE CURB LANES AND 7 DAYS FOR THE INSIDE LANES. DURING THE 7 DAY CLOSURES ALL CONCRETE PAVEMENT REPAIRS, PAVEMENT REPAIRS AND INLET REPLACEMENTS SHALL BE PERFORMED. WITHIN THESE STATION LIMITS, ANY ADDITIONAL CLOSURES SHALL BE LIMITED TO NON-RUSH HOURS (9 AM TO 3 PM).

### MAJOR WORK ITEMS

THE FOLLOWING MAJOR WORK ITEMS WILL REQUIRE TRAFFIC MAINTENANCE WHICH SHALL BE INCORPORATED INTO THE CONTRACTORS SEQUENCE OF OPERATIONS:

- A. PAVEMENT PLANING/REPAIRS
- B. INLET, CATCH BASIN AND STORM SEWER REPLACEMENT
- C. ASPHALT CONCRETE OVERLAY
- D. CURB REPLACEMENT
- E. PAVEMENT MARKINGS

## AUTHORITY NOTIFICATION

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

WILLOUGHBY-EASTLAKE CITY SCHOOL DISTRICT (440) 946-5000  
37047 RIDGE ROAD  
WILLOUGHBY, OH 44094

WILLOUGHBY POLICE DEPARTMENT (440) 951-1234

WILLOUGHBY HILLS POLICE DEPARTMENT (440) 942-9111  
35405 CHARDON ROAD  
WILLOUGHBY HILLS, OH

LAKE COUNTY ENGINEER (440) 350-2770  
550 BLACKBROOK ROAD  
PAINESVILLE, OHIO 44077  
ATTN: THOMAS GILLES, P.E., P.S.

LAKE COUNTY SHERIFF (440) 350-5500  
104 EAST ERIE STREET  
PAINESVILLE, OH 44077

## PERMANENT PAVEMENT MARKINGS

AFTER PLACING THE SURFACE COURSE, THE CONTRACTOR MAY PLACE PERMANENT PAVEMENT MARKINGS AT LOCATIONS SHOWN IN THE TYPICALS AND THE TRAFFIC CONTROL SHEETS INSTEAD OF PLACING TEMPORARY PAVEMENT MARKINGS, WHICH SHALL BE NON-PERFORMED AT THESE LOCATIONS.

## TEMPORARY TRAFFIC MARKINGS

THE ROADWAY SHALL NOT BE OPENED TO TRAFFIC UNTIL EITHER THE PERMANENT OR TEMPORARY PAVEMENT MARKINGS ARE IN PLACE. THE TEMPORARY MARKINGS SHALL BE PLACED AT THE LOCATIONS OF THE PERMANENT MARKINGS SHOWN IN THE TRAFFIC CONTROL PLANS. THESE ITEMS SHALL BE USED AFTER PLANING AND AFTER ASPHALT OVERLAYS. FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.

- ITEM 614 - TEMPORARY CENTER LINE, CLASS 1, 642 PAINT, DOUBLE SOLID . . . . . 2.75 MILE
- ITEM 614 - TEMPORARY CENTER LINE, CLASS 1, 642 PAINT, SOLID/DASHED . . . . . 10.20 MILE
- ITEM 614 - TEMPORARY EDGE LINE, CLASS 1, 642 PAINT . 3.45 MILE
- ITEM 614 - TEMPORARY CHANNELIZING LINE, CLASS 1, 642 PAINT . . . . . 1000 L.F.
- ITEM 614 - TEMPORARY STOP LINE, CLASS 1, 642 PAINT . 870 L.F.
- ITEM 614 - TEMPORARY CROSSWALK LINE, CLASS 1, 642 PAINT . . . . . 2000 L.F.
- ITEM 614 - TEMPORARY LANE ARROW, CLASS 1, 642 PAINT . . . . . 40 EACH
- ITEM 614 - TEMPORARY LANE LINE, CLASS 1, 642 PAINT. 15.20 MILE

## GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

## DUST CONTROL

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

- ITEM 616 - WATER . . . . . 100 M-GAL.
- ITEM 616 - CALCIUM CHLORIDE. . . . . 10 TONS

## CATCH BASIN OR INLET CONSTRUCTION

AFTER EXCAVATING FOR A NEW CATCH BASIN OR INLET OR REMOVING AN EXISTING CATCH BASIN OR INLET, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED CATCH BASIN OR INLET AS SOON AS POSSIBLE. IF THE EXCAVATION IS TO BE OPEN OVER NIGHT, IT SHALL BE COVERED WITH A STEEL PLATE.

## ITEM 614 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITY SHALL BE USED TO PATCH HOLES AND PROVIDE TEMPORARY ASPHALT RAMPS. THE TEMPORARY ASPHALT RAMPS SHALL BE REMOVED AS PART OF THIS ITEM.

- ITEM 614 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC . . . . . 100 CU. YD.

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CALCULATED BY: BJK  
CHECKED BY: DRL  
GENERAL NOTES  
MAINTENANCE OF TRAFFIC  
CUYAHOGA COUNTY  
LAKE COUNTY  
CUY/LAK-91-15.42/0.00  
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