

# GENERAL NOTES

## MAINTAINING TRAFFIC (CON'T.)

### ITEM SPECIAL - REPLACEMENT DRUMS

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENT 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 NEW DRUM SHALL INCLUDE (1) THE COST OF 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.

IN ADDITION, THIS ITEM SHALL BE USED TO PLACE DRUMS ON NEWLY BUILT PAVEMENT IN ORDER TO CLOSE OFF LANES WHICH WILL NOT BE IN SERVICE UNTIL THE COMPLETION OF THE 1R-271 DUAL/DUAL EXPRESS LANES. ALL DRUMS SHALL BE NEW. DRUMS SHALL BE SPACED AT 100' C/C AND SHALL BE PLACED 14 FT BEHIND THE PROPOSED INTERIM YELLOW EDGE LINE. THE DRUMS SHALL BE LEFT IN PLACE UPON COMPLETION OF THIS PROJECT AND SHALL BECOME THE PROPERTY OF THE STATE OF OHIO (SEE TRAFFIC CONTROL PLAN SHEETS 140-143 FOR DRUM LOCATIONS).

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

ITEM SPECIAL - REPLACEMENT DRUMS..... 400 EACH

### ITEM SPECIAL - LAW ENFORCEMENT OFFICER WITH PATROL CAR

THE CONTRACTOR SHALL PROVIDE AND PAY ALL COST FOR THE SERVICES OF LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR THE EXCLUSIVE PURPOSE OF CONTROLLING TRAFFIC WHENEVER A MAINTENANCE OF TRAFFIC PHASE IS IMPLEMENTED. THE NUMBER OF OFFICERS AND CARS REQUIRED FOR THIS PURPOSE SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE OFFICERS SHALL MOVE THEIR PATROL CARS AS NECESSARY TO INSURE THEIR CONSTANT PRESENCE AT THE POINT(S) OF SLOWDOWN, STOPPAGE OR BACK-UP. PAYMENT FOR THE ABOVE WILL BE INCLUDED IN THE UNIT BID FOR ITEM SPECIAL - LAW ENFORCEMENT OFFICER WITH PATROL CAR.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS FOR SCHEDULING AND PAYMENT OF OFFICER WITH PATROL CAR.

ITEM SPECIAL - LAW ENFORCEMENT OFFICER WITH PATROL CAR.... 400 HOURS

### GENERAL PROVISIONS - MAINTAINING VEHICULAR TRAFFIC

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE 'SCHEDULE OF THRU LANES TO BE MAINTAINED' DESCRIBED ON SHEET NO. 34. THE CONTRACTOR SHALL SET UP AND OPERATE HIS EQUIPMENT IN SUCH A MANNER AS TO MINIMIZE ENCROACHMENT UPON THE TRAVELED WIDTH OF PAVEMENT.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, RESPONSIBLE LAW ENFORCEMENT AGENCY, AND THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 12 PUBLIC INFORMATION OFFICER (581-2100, EXT 244) NOT LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO A SCHEDULED DISRUPTION OF TRAFFIC.
- NO STOPPAGE OF TRAFFIC OR ESTABLISHMENT OF LANE RESTRICTIONS SHALL OCCUR WITHOUT LAW ENFORCEMENT PERSONNEL AT EACH LOCATION TO DIRECT TRAFFIC.
- DURING OVERHEAD CONSTRUCTION THE CONTRACTOR SHALL PROVIDE, IF DEEMED NECESSARY BY THE ENGINEER, SAFETY NETS AND OR OTHER SAFETY DEVICES UNDER THE STRUCTURES TO PROTECT TRAFFIC IN THE AREA OF CONSTRUCTION.
- DURING THE NON-WORKING PERIODS, OPEN EXCAVATIONS SHALL BE DELINEATED WITH WARNING FLASHERS AND/OR OTHER APPROVED DEVICES AS DEEMED APPROPRIATE BY THE ENGINEER.
- EXISTING SIGNS LOCATED WITHIN THE ROAD WORK AREAS WHICH ARE NECESSARY FOR INTERIM OR PERMANENT TRAFFIC CONTROL SHALL BE REMOVED AND REERECTED IN LOCATIONS AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NEW WARNING AND INFORMATION SIGNS NECESSARY FOR MAINTAINING TRAFFIC. THE CONTRACTOR SHALL DETERMINE WHAT SIGNS ARE NEEDED AND ADVISE THE ENGINEER TWO (2) WEEKS IN ADVANCE OF HIS DETAILED PLANS.

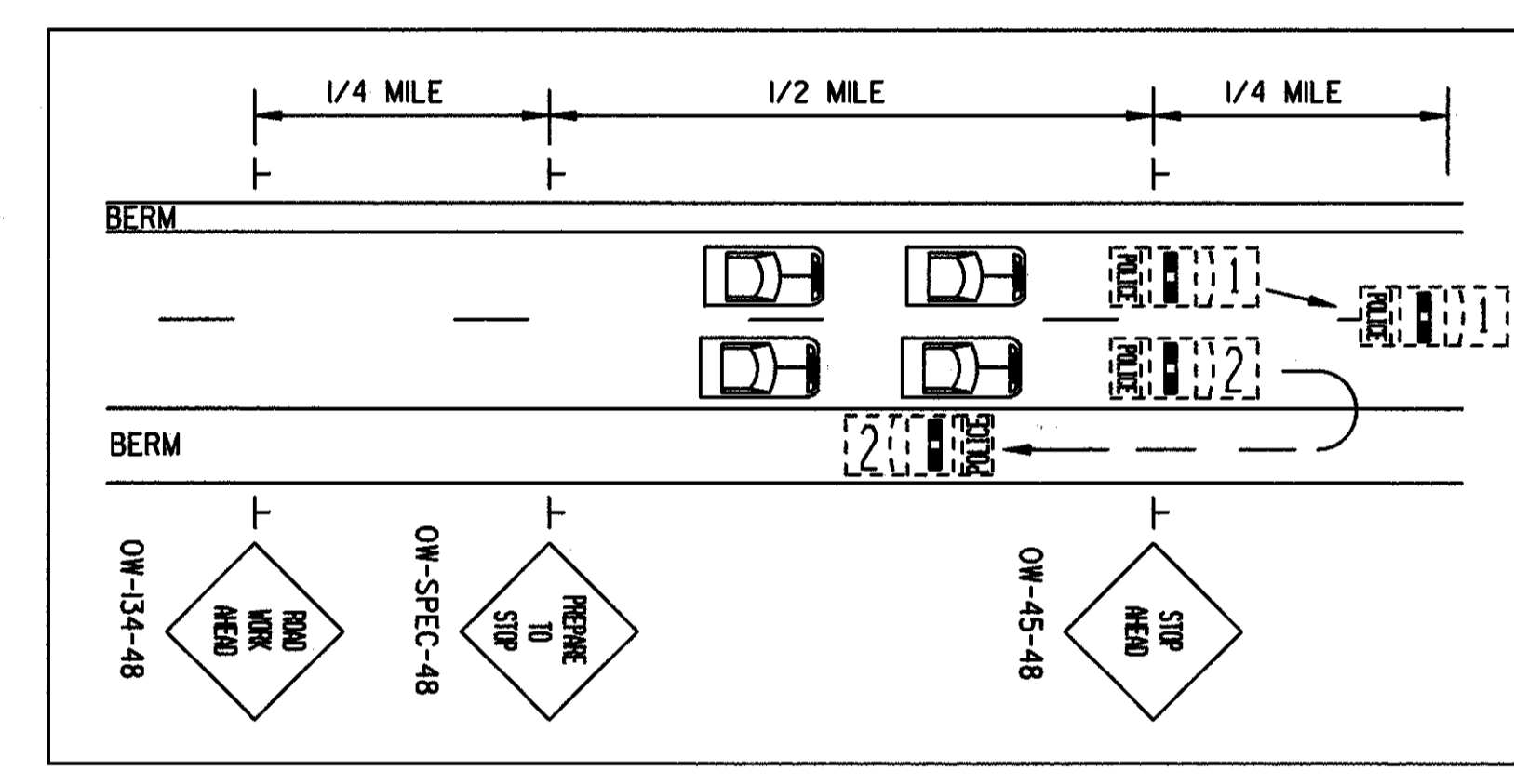
SEE THE TRAFFIC MAINTENANCE DETAILS FOR THE MINIMUM SIGNAGE REQUIRED

- 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 STAGES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE STAGE 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.

- ERECTION OF SPAN TYPE AND BRIDGE MOUNTED OVERHEAD SUPPORTS SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT COMPLETE TRAFFIC STOPPAGE ON ALL LANES OF ANY DIRECTIONAL ROADWAY IS NO LONGER THAN 10 MINUTES IN ANY ONE CONSECUTIVE 30 MINUTE PERIOD. FOR 2 LANE SECTIONS, A MINIMUM OF TWO (2) LAW ENFORCEMENT VEHICLES SHALL BE USED TO PACE MOTORIST TO A STOP. AFTER TRAFFIC HAS BEEN SLOWED, ONE (1) PATROL VEHICLE SHALL TRAVEL ALONG THE ROADWAY SHOULDER 500 FEET BEHIND THE BACK OF STOPPED VEHICLES (SEE DETAIL). WHERE STOPPAGE OCCURS IN THE VICINITY OF FREEWAY ENTRANCES, THE CONTRACTOR SHALL PLACE FLAGGERS ON THE RAMP TO STOP TRAFFIC. PATROL VEHICLES SHALL HAVE FLASHING BEACONS TO PROVIDE ADEQUATE VISIBILITY TO APPROACHING MOTORISTS.

THE CONTRACTOR SHALL ERECT AND MAINTAIN 'ROADWORK AHEAD', 'PREPARE TO STOP' AND 'STOP AHEAD' SIGNS WITH FLASHING TWELVE (12) INCH TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH 632.05. THESE SIGNS SHALL BE ILLUMINATED DURING NIGHT OPERATIONS. ERECTION OF SIGN SPANS SHALL BE DONE AT NIGHT BETWEEN THE HOURS OF 10 P.M. AND 6 A.M.

A MINIMUM OF 3 PATROL VEHICLES ARE REQUIRED IN 3 LANE SECTIONS.



- PLACEMENT OF FINAL ROADWAY PAVEMENT MARKINGS SHALL BE ACCOMPLISHED ONLY MONDAY THRU FRIDAY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. WITH A MAXIMUM OF ONE LANE EACH DIRECTION CLOSED AT ANY TIME.

THE CONTRACTOR SHALL PROVIDE TWO (2) TRAILING VEHICLES WITH FLASHING BEACON FOLLOWING THE PAVEMENT MARKING EQUIPMENT WHEN MARKINGS ARE PLACED IN ORDER TO PROVIDE ADVANCE WARNING TO THE MOTORIST OF THE TEMPORARY LANE CLOSURE AND CONSTRUCTION. THE TWO (2) TRAILING VEHICLES SHALL TRAVEL 500 FEET APART WITH THE REMOTE VEHICLE TRAVELING ON THE SHOULDER (LEFT OR RIGHT AS APPLICABLE) WHERE USABLE SHOULDER IS AVAILABLE.

THE INTERMEDIATE TRAILING VEHICLE SHALL TRAVEL IN THE CLOSED LANE 500 FEET BEHIND THE PAVEMENT MARKING EQUIPMENT. THE POLICE CRUISER SHALL TRAVEL 500 TO 1000 FEET BEHIND THE REMOTE TRAILING VEHICLE.

EACH TRAILING VEHICLE SHALL HAVE A YELLOW FLASHING BEACON PLUS 48" MIN. ORANGE AND BLACK CONSTRUCTION WARNING SIGNS MOUNTED ON THE BACK FACING TRAFFIC WITH STANDARD TYPE MESSAGES ADVISING MOTORISTS OF THE WORK AHEAD, ADVISORY WARNING SPEED, AND WHICH LANE IS CLOSED.

- FOR ANY OPERATION NOT SPECIFICALLY MENTIONED IN THESE PLANS, THE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE 'OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.
- ALL LABOR, MATERIALS, EQUIPMENT AND ANY INCIDENTALS REQUIRED TO COMPLETE THE WORK AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 - MAINTAINING TRAFFIC.

### PORTABLE PRECAST BARRIERS (BRIDGE CONSTRUCTION)

THE FOLLOWING 'STRUCTURE' BARRIER APPLIES TO THE BARRIER PLACED ON THE APPROACH SLABS AND BRIDGES.

STRUCTURE (BRIDGE OVERLAY OR RAILING FACING) - THE STANDARD BARRIER AS SHOWN ON STD. DWG. MC-9.2 APPLIES. SEE NOTES AND DETAILS ON SHEET 36 REGARDING SPECIAL DECK SURFACE PREPARATION, BOLTED END CONNECTIONS AND JOINT BLOCKING. PAYMENT SHALL BE INCLUDED UNDER ITEM 622 - PORTABLE CONCRETE BARRIER, 32", BRIDGE MOUNTED

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DESCRIBED ABOVE.

ITEM 622 - PORTABLE CONCRETE BARRIER, 32", BRIDGE MOUNTED..6,360 L.F.

### CROSS ROAD BRIDGES

THE STRUCTURE REHABILITATION WORK FOR THE CROSS ROAD BRIDGES CAN BE PERFORMED CONCURRENTLY WITH ANY OF THE CONSTRUCTION PHASES LISTED.

THE CONTRACTOR SHALL NOT RESTRICT TRAFFIC ON MORE THAN ONE BRIDGE AT A TIME REGARDLESS OF THE MAINTENANCE OF TRAFFIC METHODS USED.

PRIOR TO PERFORMING ANY WORK ON THE BRIDGE, THE CONTRACTOR SHALL NOTIFY THE POLICE, FIRE AND SERVICE DEPARTMENTS OF THE CITY OF WILLOUGHBY HILLS IN WRITING 5 DAYS IN ADVANCE OF ANY LANE CLOSURE.

### A. WHITE ROAD

TRAFFIC SHALL BE MAINTAINED BY THE SIGNALIZED CLOSING OF 1 LANE OF THE 2 LANE BRIDGE WITH PORTABLE CONCRETE BARRIER AS PER CONSTRUCTION DRAWINGS MT-96.11, MT-96.20, AND MT-96.25. SIGN SPACING SHALL BE AS DESIGNATED ON THE STANDARD DRAWING FOR URBAN AREAS, SUBJECT TO THE APPROVAL OF THE CITY ENGINEER. SIGNAL PHASING IS INDICATED BELOW.

G1 ALL RED	G2	G2 CL.	G2 ALL RED	G1	G1 CL.
←	←	←	←	→	→
22 SEC	25 SEC	3 SEC	22 SEC	25 SEC	3 SEC

FOR ADDITIONAL DETAILS, SEE STRUCTURE PLANS. NO LANE CLOSURES ARE TO BE PERFORMED WITHOUT APPROVAL OF THE ENGINEER.

### B. CHARDON ROAD (U.S. 6)

TRAFFIC SHALL BE MAINTAINED WITH FLAGGERS CLOSING 1 LANE OF THE 2 LANE BRIDGE (STATIONARY OPERATION) AS PER STANDARD DRAWING MT - 97.10. SIGN SPACING SHALL BE AS DESIGNATED ON THE STANDARD DRAWING FOR URBAN AREAS.

THE CONTRACTOR SHALL LIMIT LANE CLOSURES TO NIGHT TIME ONLY BETWEEN THE HOURS OF 8:00 PM TO 6:00 AM. PROPER ILLUMINATION SHALL BE PROVIDED FOR THE FLAGGERS AS PER MT - 97.10.

FOR ADDITIONAL DETAILS, SEE STRUCTURE PLANS, NO LANE CLOSURES ARE TO BE PERFORMED WITHOUT APPROVAL OF THE ENGINEER.

### C. MAPLEGROVE ROAD

TRAFFIC SHALL BE MAINTAINED WITH FLAGGERS CLOSING 1 LANE OF THE 2 LANE BRIDGE (STATIONARY OPERATION) AS PER STANDARD DRAWING MT-97.10. SIGN SPACING SHALL BE AS DESIGNATED ON THE STANDARD DRAWING FOR URBAN AREAS.

FOR ADDITIONAL DETAILS, SEE STRUCTURE PLANS, NO LANE CLOSURES ARE TO BE PERFORMED WITHOUT APPROVAL OF THE ENGINEER.

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