

# MAINTENANCE OF TRAFFIC GENERAL NOTES

## MAINTENANCE OF TRAFFIC

### MAJOR WORK ITEMS

- A. CONSTRUCTION OF KEY TRENCH AND BUTTRESS FILL
- B. CONSTRUCTION OF BIODEGRADABLE POLYMER SLURRY TRENCH DRAIN
- C. SHOULDER REMOVAL AND REPLACEMENT
- D. INSTALLATION OF UNDERDRAIN
- E. REMOVAL AND INSTALLATION OF GUARDRAIL
- F. OVERHEAD SIGN SUPPORT REMOVAL AND REERECTION

### SEQUENCE OF OPERATIONS

1. USING THE EXISTING MAINTENANCE OF TRAFFIC CURRENTLY SET UP, REMOVE EXISTING GUARDRAIL AS SHOWN IN THE PLANS. REMOVE EXISTING OVERHEAD SIGN SUPPORT, FOUNDATION, AND PULL BOX.
2. IMPLEMENT TRANSITION PLAN FOR USE OF SHOULDER WITH PCB AS PER STANDARD DRAWING MT-102.10M.
3. CONSTRUCT BUTTRESS FILL AS SHOWN ON THE PLAN.
4. INSTALL BIODEGRADABLE POLYMER SLURRY TRENCH DRAIN AS OUTLINED IN THE GENERAL NOTES AND AS SHOWN ON THE PLANS.
5. ERECT NEW OVERHEAD SIGN SUPPORT AND SIGN.
6. REMOVE AND REPLACE EXISTING ASPHALT SHOULDER AS SHOWN ON THE PLANS AND AS DETAILED ON THE TYPICAL SECTION AND IN THE SHOULDER REPAIR DETAIL, SHEET 14. INSTALL PROPOSED UNDERDRAIN ALONG THE OUTSIDE SHOULDER.
7. LINEAR GRADE, INSTALL PROPOSED GUARDRAIL AND PAVE UNDER NEW GUARDRAIL.
8. RESTORE NORMAL TRAFFIC PATTERN IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-102.10M.

### MAINTAINING VEHICULAR TRAFFIC

#### GENERAL PROVISIONS

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE RESPONSIBLE LAW ENFORCEMENT AGENCY AND THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 12 PUBLIC INFORMATION OFFICER ( (216) 581-2333, EXT. 244) NOT LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO A SCHEDULED DISRUPTION OF TRAFFIC.
2. 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.
3. 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 OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND STANDARD DRAWINGS FOR THE MINIMUM SIGNAGE REQUIREMENTS.

#### GENERAL PROVISIONS (CONT.)

4. TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED DURING THE TIME 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 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.
5. NIGHTTIME WORK SHALL BE PERMITTED IN ACCORDANCE WITH THESE PLANS AND NOTES. THE CONTRACTOR SHALL PROVIDE FLOOD LIGHTING OF THE WORK AREA IN ORDER TO ASSURE THE SAFEST CONDITIONS DURING NIGHTTIME WORK. A LIGHTING PLAN FOR NIGHTTIME OPERATIONS SHALL BE PRESENTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE BEGINNING OF NIGHTTIME WORK.
6. PLACEMENT OF FINAL ROADWAY PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:

THE CONTRACTOR SHALL PROVIDE TWO (2) TRAILING VEHICLES AS PER MT-99.20M FOLLOWING THE PAVEMENT MARKING EQUIPMENT. 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 FIRST TRAIL VEHICLE IN A TRAFFIC LANE SHALL BE EQUIPPED WITH A TRUCK MOUNTED ATTENUATOR MEETING NCHRP 350 REQUIREMENTS. 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.

7. DURING NON-WORKING PERIODS, OPEN EXCAVATIONS SHALL BE DELINEATED WITH WARNING FLASHERS AND/OR OTHER APPROVED DEVICES AS DEEMED APPROPRIATE BY THE ENGINEER.
8. NO STOPPAGE OF TRAFFIC SHALL OCCUR WITHOUT LAW ENFORCEMENT PERSONNEL AT EACH LOCATION TO DIRECT TRAFFIC.
9. WHENEVER A TOTAL CLOSURE IS IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE A PORTABLE CHANGEABLE MESSAGE SIGN. IT SHALL BE PLACED 1.5 TO 2 MILES IN ADVANCE OF THE CLOSURE OR AS DIRECTED BY THE ENGINEER.
10. ANY TIME TRAFFIC MUST BE COMPLETELY STOPPED ON A FREEWAY OR INTERSTATE (THIS INCLUDES THE ERECTION OF OVERHEAD SUPPORTS.) IT SHALL BE DONE IN THE FOLLOWING MANNER:

THE COMPLETE TRAFFIC STOPPAGE ON ALL LANES OF ANY DIRECTIONAL ROAD SHALL BE NO MORE THAN 10 MINUTES IN ANY CONSECUTIVE 30 MINUTE PERIOD.

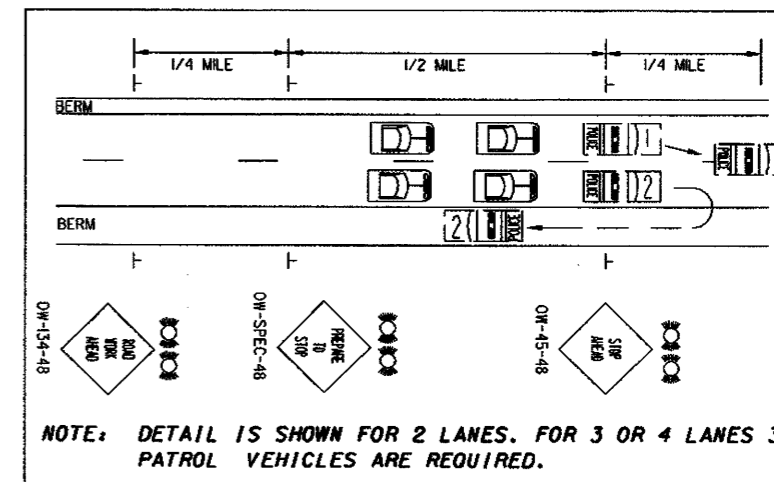
A MINIMUM OF TWO (2) LAW ENFORCEMENT OFFICERS (L.E.O.) WITH PATROL VEHICLES SHALL BE USED TO PACE MOTORISTS TO A STOP. THERE SHALL BE ONE L.E.O. FOR EACH LANE ON THE FREEWAY.

#### GENERAL PROVISIONS (CONT.)

AFTER TRAFFIC HAS BEEN STOPPED, ONE (1) PATROL VEHICLE SHALL TRAVEL ALONG THE ROADWAY SHOULDER 500 FEET BEHIND THE BACK UP OF STOPPED VEHICLES. WHERE STOPPAGE OCCURS IN THE VICINITY OF FREEWAY ENTRANCES, THE CONTRACTOR SHALL PLACE FLAGMEN ON THE RAMPS TO STOP TRAFFIC. PATROL VEHICLES SHALL HAVE FLASHING BEACONS.

TO PROVIDE ADEQUATE VISIBILITY TO THE APPROACHING MOTORIST, THE CONTRACTOR SHALL ERECT AND MAINTAIN "ROADWORK AHEAD", "PREPARE TO STOP", AND "STOP AHEAD" SIGNS WITH TWO (2) FLASHING 12-INCH TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH 632.05. THESE SIGNS SHALL BE ILLUMINATED DURING NIGHT OPERATIONS AND SHALL BE 48-INCH BY 48-INCH SIGNS. PATROL VEHICLES AND SIGNS SHALL BE LOCATED IN ACCORDANCE WITH THE SKETCH BELOW.

FLARES MAY BE SUBSTITUTED FOR THE FLASHING 12-INCH SIGNAL HEADS. THERE SHALL BE 2 FLARES AT EACH SIGN ON BOTH SIDES ON THE ROADWAY. THE FLARES SHALL BE REPLACED IF THEY BURN OUT. THE SIGNS DO NOT HAVE TO BE ILLUMINATED DURING NIGHT OPERATIONS IF FLARES ARE USED.



11. 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".
12. 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.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE SIGNS, DRUMS AND TEMPORARY PAVEMENT MARKINGS AT THE LOCATIONS DETAILED IN THE PLANS OR SPECIFIED IN THE STANDARD DRAWINGS. WHEN THE CONTRACTOR IS NOTIFIED OF DEFICIENCIES HE SHALL CORRECT THE DEFICIENCIES AS SOON AS POSSIBLE, PREFERABLY WITHIN 12 HOURS AND NO LATER THAN 24 HOURS.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

LAK-90-4.10

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| DESIGNED  | DC  |
| CHECKED   | AEN |
| REVISIONS |     |