

**ITEM 614. MAINTAINING TRAFFIC**

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.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE LOCAL OFFICIALS LISTED BELOW AT LEAST 14 DAYS PRIOR TO IMPLEMENTING THE DETOUR.

ODOT PUBLIC INFORMATION OFFICE	216-581-2100
LAKE COUNTY ENGINEER	440-918-2770
CITY OF WICKLIFFE POLICE DEPT.	440-943-1234
CITY OF WILLOUGHBY HILLS POLICE DEPT.	440-942-9111
CITY OF WICKLIFFE FIRE DEPT.	440-943-7410
CITY OF WILLOUGHBY HILLS FIRE DEPT.	440-942-7207
CITY OF WICKLIFFE SERVICE DIRECTOR	440-943-7110
CITY OF WILLOUGHBY HILLS SERVICE DIRECTOR	440-946-1234
WICKLIFFE LOCAL SCHOOLS	440-943-6900
WILLOUGHBY HILLS - EASTLAKE SCHOOLS	440-946-5000

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.

**GENERAL PROVISIONS**

THESE PROVISIONS SHALL BE IN EFFECT FROM THE COMMENCEMENT OF THIS PROJECT THROUGH ITS COMPLETION.

1. THE CONTRACTOR SHALL SETUP AND OPERATE HIS EQUIPMENT IN SUCH A MANNER AS TO MINIMIZE ENCROACHMENT UPON THE TRAVELED WIDTH OF PAVEMENT.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE RESPONSIBLE LAW ENFORCEMENT AGENCY NOT LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO A SCHEDULED DISRUPTION OF TRAFFIC.
3. NO STOPPAGE OF TRAFFIC OR ESTABLISHMENT OF LANE RESTRICTIONS SHALL OCCUR WITHOUT APPROVAL OF THE ENGINEER. SEE NOTE 9 AND THE LANE CLOSURE NOTE ON SHT. 6.
4. 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.
5. DURING NON-WORKING PERIODS, OPEN EXCAVATIONS SHALL BE DELINEATED WITH WARNING FLASHERS AND/OR OTHER APPROVED DEVICES AS DEEMED APPROPRIATE BY THE ENGINEER.
6. 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.
7. 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 DETOUR PLAN FOR THE MINIMUM SIGNAGE REQUIRED.
8. TRAFFIC CONTROL DEVICES SHALL BE SETUP 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. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC.
9. 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."

10. ANY TIME TRAFFIC MUST BE COMPLETELY STOPPED ON A FREEWAY OR INTERSTATE IT SHALL BE DONE IN THE FOLLOWING MANNER:  
THE COMPLETE TRAFFIC STOPPAGE ON ALL LANES OF ANY DIRECTIONAL ROADWAY SHALL BE NO MORE THAN 10 MINUTES IN ANY ONE 30 MINUTE PERIOD. A MINIMUM OF THREE (3) LAW ENFORCEMENT PATROL VEHICLES SHALL BE USED TO PACE MOTORISTS TO A STOP. AFTER TRAFFIC HAS BEEN SLOWED, ONE (1) PATROL VEHICLE SHALL TRAVEL ALONG THE SHOULDER 500 FT. BEHIND THE BACKUP 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 APPROACHING MOTORISTS. THE CONTRACTOR SHALL ERECT AND MAINTAIN "ROADWORK AHEAD", "PREPARE TO STOP" AND "STOP AHEAD" SIGNS WITH TWO FLASHING 12 INCH TRAFFIC SIGNAL HEADS IN ACCORDANCE WITH 632.05. THESE SIGNS SHALL BE ILLUMINATED DURING NIGHT OPERATIONS. PATROL VEHICLES AND SIGNS SHALL BE LOCATED IN ACCORDANCE WITH THE SKETCH ON SHT. 8. ERECTION OF SIGN SPANS SHALL BE DONE AT NIGHT BETWEEN THE HOURS OF 10 P.M. AND 6 A.M. WHEN THE REMOVAL OF ERECTION OF A SIGN REQUIRES CLOSING MORE LANES THAN PERMITTED ON SHT. 8, THAT WORK SHALL ALSO BE PERFORMED AT NIGHT BETWEEN THE HOURS OF 10 P.M. TO 6 A.M.
11. THE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE OF WORK FOR THE PROJECT TO THE ENGINEER. THIS SCHEDULE SHALL BE SUBMITTED NOT LESS THAN TWO (2) WEEKS BEFORE THE WORK IS TO START.
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.

**SIDE ROAD STRUCTURES OVER FREEWAY**

SIX LANE, TWO WAY TRAFFIC ON I-90 SHALL BE MAINTAINED AT ALL TIMES DURING THE REHABILITATION OF THE EXISTING STRUCTURE OVER THE FREEWAY EXCEPT AS FOLLOWS:

- INSTALLATION OF FALSEWORK (PLATFORM) AND UTILITY PROTECTION
- REMOVAL OF EXISTING DECK
- REMOVAL OF FALSEWORK AND UTILITY PROTECTION
- BRIDGE DECK REPLACEMENT

A PLATFORM SHALL BE REQUIRED TO PROTECT THE TRAVEL LANES OF THE FREEWAY DURING REPLACEMENT OF EXISTING CONCRETE DECK. THE DESIGN OF THE PLATFORM SHALL CONFORM WITH OSHA REQUIREMENTS, SHALL HAVE APPROVAL FROM THE ODOT BUREAU OF BRIDGE AND STRUCTURAL DESIGN, AND SHALL REMAIN IN PLACE UNTIL WORK HAS BEEN COMPLETED. THE EXISTING VERTICAL CLEARANCE OVER THE FREEWAY SHALL BE MAINTAINED AT ALL TIMES.

IN THE EVENT A LANE RESTRICTION ON THE FREEWAY IS NECESSARY, THE METHOD OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION PHASING NOTES BELOW. COST FOR THE ABOVE WORK SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

**CONSTRUCTION PHASING**

BECAUSE OF THE HIGH TRAFFIC VOLUME CARRIED BY THIS SECTION OF I-90, IT IS THE INTENT OF THESE PLANS TO MINIMIZE THE NUMBER OF LANE CLOSURES, THE AMOUNT OF WIDTH RESTRICTION AND THE DURATION OF THESE CLOSURES/RESTRICTIONS.

**PHASE I**

ERECT STRUCTURE FALSEWORK AND PROTECTION FOR EOG 4-INCH STRUCTURE MOUNTED LINE, IMPLEMENT TRAFFIC DETOUR.

A. ERECTION OF FALSEWORK AND UTILITIES PROTECTION SHALL BE PERFORMED IN THE FOLLOWING PROVISIONS IN B.

B. WHEN ERECTION OF FALSEWORK, UTILITY LINE PROTECTION, DECK REMOVAL AND DECK REPLACEMENT OCCURS OVER ANY PORTION OF THE I-90 ROADWAY, INCLUDING ALL PAVED SURFACES AND SAFETY AREAS, AFFECTED LANE(S) SHALL BE CLOSED AND THE WORK PERFORMED IN ACCORDANCE WITH THE LANE CLOSURES NOTE ON SHT. 6.

LANE CLOSURES ON I-90 SHALL BE ONE OF THE FOLLOWING:

- DRIVING LANE AND DRIVING LANE SHOULDER PER MT-95.30M
- CENTER LANE, PASSING LANE AND PASSING LANE SHOULDER, SEE NOTE C.
- PASSING LANE AND PASSING LANE SHOULDER PER MT-95.30M (OPPOSITE HAND)

THE ENGINEER MAY WAIVE THE REQUIREMENT FOR UTILITY LINE PROTECTION IF IT IS PLACED SUBSEQUENT TO THE FALSEWORK. THE CONTRACTOR IS CAUTIONED THAT NO PORTION OF THE DECK REMOVAL OPERATION SHALL ENCROACH ON ANY ACTIVE LANE.

C. WHEN THE CENTER LANE, PASSING LANE AND PASSING LANE SHOULDER CLOSURE IS REQUIRED, THE CONTRACTOR SHALL USE STANDARD DRAWING MT-95.30M (OPPOSITE HAND) AND FIG. C-20, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

D. THE CONTRACTOR SHALL INSTALL TEMPORARY LANE MARKINGS AND DRUMS, OBLITERATE CONFLICTING EXISTING PAVEMENT MARKINGS. THIS WORK SHALL PRECEDE ANY DEMOLITION OR CONSTRUCTION WORK AND SHALL BE PERFORMED DURING A NIGHTTIME "OFF PEAK" OPERATION WITH THE ASSISTANCE OF THREE OR MORE LAW ENFORCEMENT OFFICERS WITH PATROL CARS.

**PHASE II**

PHASE II WILL BEGIN ON THE FIRST DAY ROCKEFELLER ROAD IS CLOSED. PHASE II WILL BE CONSIDERED COMPLETE WHEN ROCKEFELLER ROAD IS REOPENED TO TRAFFIC.

PHASE II CONSISTS OF:

- ALL STRUCTURAL WORK AS DESCRIBED ON SHEET 17-29
- GUARDRAIL
- SLOPE PROTECTION
- PAVEMENT MARKINGS
- REMOVAL OF TEMPORARY TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS

**PHASE III**

PHASE III IS THE CLEAN UP PHASE WHICH SHALL INCLUDE ANY ITEMS OF WORK THAT WILL NOT INTERFERE WITH NORMAL TRAFFIC OPERATIONS.

**WINTER LANE REQUIREMENTS**

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND MARCH 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.

**LANE CLOSURE ON I-90 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 I-90 ONLY SHORT TERM LANE CLOSURES, AS DEFINED BELOW, WILL BE ALLOWED.