

ITEM 614, MAINTAINING TRAFFIC (ROAD CLOSED SIGN)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

SR 32 WB RAMP TO SR 125 EB

DUST CONTROL

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

ITEM 616, WATER 30 M. GAL

FLAGGER OPERATION

FLAGGERS, ONE FOR EACH DIRECTION, SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS ONE LANE OPERATION IS IN EFFECT ON ELSTUN ROAD AND THE LITTLE MIAMI SCENIC TRAIL. THE FLAGGERS SHALL BE ABLE TO COMMUNICATE WITH EACH OTHER AT ALL TIMES. FLAGGER OPERATIONS SHALL BE CONDUCTED ACCORDING TO MT-97.10.

PROTECTION OF THE LITTLE MIAMI SCENIC TRAIL

TEMPORARY ORANGE CONSTRUCTION FENCING SHALL BE INSTALLED, AS NECESSARY, ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES IN THE AREA OF THE LITTLE MIAMI SCENIC TRAIL TO PROTECT THE SECTION 4(F) PROPERTY AND THE PUBLIC. IT IS ANTICIPATED THAT THIS FENCING WILL BE NEEDED BETWEEN THE TIME THAT THE PERMANENT WOODEN BIKEWAY RAILING ALONG THE LITTLE MIAMI SCENIC TRAIL IS REMOVED AND THIS PROJECT IS COMPLETELY OPEN TO TRAFFIC.

PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED IN THE LUMP SUM ITEM FOR MAINTENANCE OF TRAFFIC

DETOUR SIGNING

A LUMP SUM QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO INCLUDE FURNISHING, INSTALLING, MAINTAINING, AND REMOVING THE DETOUR SIGNING AND ASSOCIATED SIGN SUPPORTS.

ITEM 614, DETOUR SIGNING LUMP SUM

CONSTRUCTION ACCESS POINTS:

THE CONTRACTOR MAY ACCESS THE WORK FROM THE FOLLOWING TWO LOCATIONS:

FROM THE SR 32 RAMP BETWEEN STA. 72+00 AND 73+00 (WEST ACCESS POINT)

FROM ELSTUN ROAD NEAR STA. 81+00 (EAST ACCESS POINT)

THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED AT ALL ACCESS POINTS THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES. ALL SURFACE MATERIALS USED FOR ACCESS POINTS SHALL BE FIRM AND UNYIELDING MATERIAL AS APPROVED BY THE ENGINEER. ACCESS DRIVES SHALL BE MAINTAINED IN ACCORDANCE WITH C&MS 614 AND ENSURE THAT THE SURFACE MATERIAL IS NOT TRACKED OUT INTO EXISTING LANES OF TRAFFIC. ALL INGRESS AND EGRESS SHALL ONLY OCCUR AT THE ESTABLISHED ACCESS POINTS.

CONSTRUCTION ACCESS POINTS: (CONTINUED)

THE WEST ACCESS POINT SHALL BE CREATED BY REMOVING FOUR SECTIONS (50 FEET) OF GUARDRAIL TO CREATE AN OPENING IN THE EXISTING GUARDRAIL, INSTALLING TYPE T ANCHOR ASSEMBLIES PLACED TANGENT TO THE SR 32 RAMP ALIGNMENT, CONSTRUCTING NEW GUARDRAIL TURN BACKS, AND PERFORMING CLEARING AND GRADING OPERATIONS TO CONSTRUCT A DRIVE TO ACCESS THE WORK WEST OF CLOUGH CREEK. THIS ACCESS POINT SHALL NOT INTERFERE WITH THE OPERATION OF THE LITTLE MIAMI SCENIC TRAIL. (SEE DETAIL BELOW)

IT WILL BE NECESSARY TO INTERMITTENTLY CLOSE THE RAMP DURING THE REMOVAL AND RECONFIGURATION OF THE GUARDRAIL, THE GRADING FOR THE WEST ACCESS POINT, AND THE REESTABLISHING OF THE GUARDRAIL. THE RAMP CLOSURES SHALL BE LIMITED TO THE HOURS BETWEEN 9 AM AND 3 PM MONDAY THROUGH FRIDAY. WHEN NO WORK IS BEING PERFORMED ALL HAZARDS SHALL BE DELINEATED WITH DRUMS, ALL DETOUR SIGNS SHALL BE COVERED, THE PCMS SIGN SHALL BE TURNED OFF, AND THE RAMP SHALL BE REOPENED TO TRAFFIC. DRUMS SPACED AT 10' CENTER TO CENTER SHALL BE PLACED ACCROSS THE ACCESS POINT WHEN NOT IN USE.

PROPER SIGNING SHALL BE INSTALLED AS FOLLOWS:

- TRUCKS ENTERING AND EXITING SIGN, W8-H6a-48, AND ON LEFT/RIGHT SIGN, W8-H6aP, INSTALLED 300' IN ADVANCE OF THE ACCESS POINT
- ROAD WORK AHEAD SIGN, W20-1-48, INSTALLED 600' IN ADVANCE OF THE ACCESS POINT.

IT IS ANTICIPATED THAT ALL WORK WILL BE PERFORMED DURING DAYTIME HOURS AND THE INSTALLATION OF FLASHING WARNING LIGHTS ON THE ADVANCE WARNING SIGNS WILL NOT BE REQUIRED.

THE EAST ACCESS POINT SHALL BE CONSTRUCTED OFF THE WEST SIDE OF ELSTUN ROAD. CLEARING AND GRADING OPERATIONS SHALL BE PERFORMED TO CONSTRUCT A DRIVE TO ACCESS THE WORK EAST OF CLOUGH CREEK. THE CONTRACTOR SHALL NOT PARK OR STORE ANY VEHICLES, EQUIPMENT, OR MATERIALS ALONG THE SHOULDER OR IN THE CLEAR ZONE OF ELSTUN ROAD. DRUMS SPACED AT 10' CENTER TO CENTER SHALL BE PLACED ACCROSS THE ACCESS POINT WHEN NOT IN USE.

PROPER SIGNING SHALL BE INSTALLED AS FOLLOWS:

- TRUCKS ENTERING AND EXITING SIGN, W8-H6a-48, AND ON LEFT/RIGHT SIGN, W8-H6aP, INSTALLED 100' IN ADVANCE OF THE ACCESS POINT
- ROAD WORK AHEAD SIGN, W20-1-48, INSTALLED 100' IN ADVANCE OF TRUCKS ENTERING AND EXITING SIGN, W8-6A, FOR EASTBOUND ELSTUN ROAD AND AT STA. 91+00 FOR WESTBOUND ELSTUN ROAD.

IT IS ANTICIPATED THAT ALL WORK WILL BE PERFORMED DURING DAYTIME HOURS AND THE INSTALLATION OF FLASHING WARNING LIGHTS ON THE ADVANCE WARNING SIGNS WILL NOT BE REQUIRED.

PAYMENT FOR ALL ITEMS ASSOCIATED WITH THE CONSTRUCTION OF THESE ACCESS POINTS, INCLUDING GUARDRAIL WORK, AND OTHER REPAIRS NECESSARY TO RESTORE THE ROADWAY TO PRECONSTRUCTION CONDITION, SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTENANCE OF TRAFFIC.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

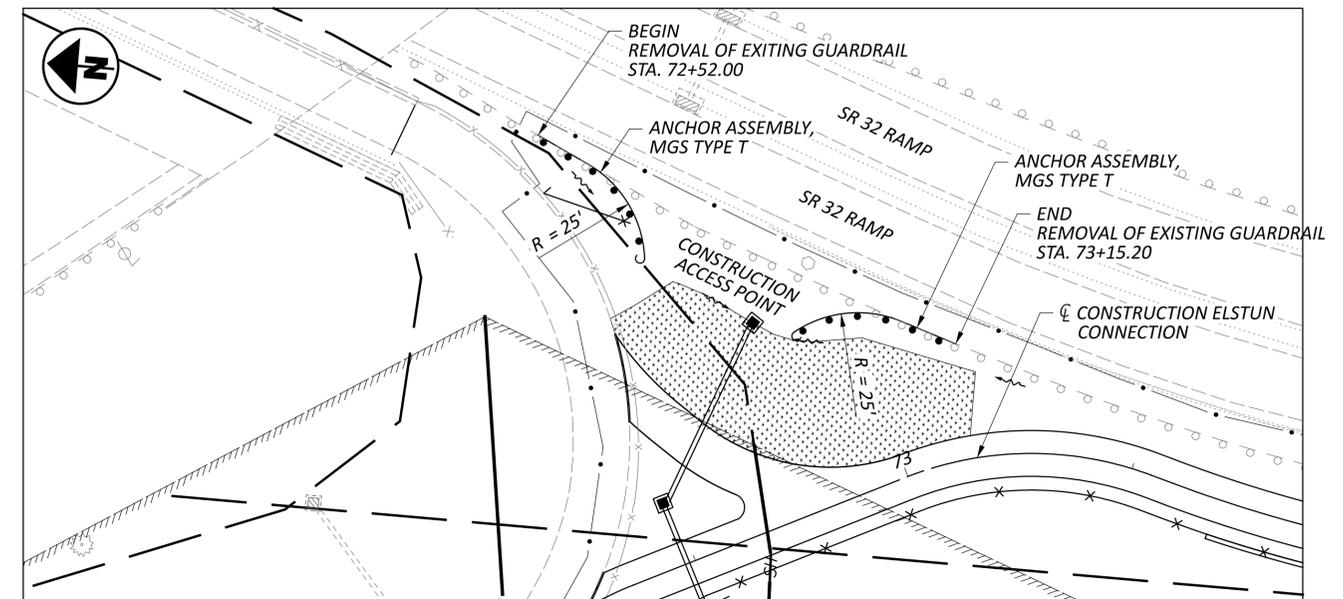
THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (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) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 70 HOURS

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

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.



TEMPORARY REMOVAL OF EXISTING GUARDRAIL FOR WEST CONSTRUCTION ACCESS

