

ITEM 614, MAINTAINING TRAFFIC

C.R. 2089 (FALLEN TIMBERS LANE) BRIDGE OVER U.S. 24 SHALL BE CLOSED TO TRAFFIC FOR THE DURATION OF THE PROJECT. FALLEN TIMBERS LANE SHALL BE DETOURED FOR THE DURATION OF THE PROJECT AS SHOWN ON SHEET OF THE PLANS. FALLEN TIMBERS LANE SHALL BE CLOSED NO SOONER THAN FEBRUARY 15, 2021 AND REOPENED TO TRAFFIC NO LATER THAN MAY 27, 2021. THE CLOSURE DURATION SHALL NOT EXCEED 90 CALENDAR DAYS. DAMAGES IN THE AMOUNT OF \$5,000 PER DAY WILL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED BEYOND THE 90-DAY LIMIT.

A MINIMUM OF TWO (2) LANES OF TRAFFIC IN EACH DIRECTION ALONG U.S. 24 SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT EXCEPT FOR A PERIOD OF TIME BETWEEN THE HOURS OF 7:00 PM AND 6:00 AM, WHEN TRAFFIC MAY BE REDUCED TO A SINGLE LANE IN EACH DIRECTION. THE CONTRACTOR WILL BE ASSESSED DAMAGES IN THE AMOUNT OF \$50 PER MINUTE FOR ANY MINUTE THE LANES REMAIN CLOSED BEYOND THE SPECIFIED TIME FRAME.

ALL EXISTING LANES ALONG U.S. 24 SHALL BE OPEN TO TRAFFIC ON MEMORIAL DAY (MONDAY, MAY 31, 2021). ALL LANES SHALL BE OPEN TO TRAFFIC FROM 12:00 PM FRIDAY, MAY 28 TO 6:00 AM TUESDAY, JUNE 1. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, THE CONTRACTOR WILL BE ASSESSED DAMAGES IN THE AMOUNT OF \$125 PER MINUTE.

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.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

FALLEN
TIMBERS WILL BE
CLOSED -----
FOR 90 DAYS
INFO: (419) 373-4428

W20-H13-60

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS (419) 373-4428 WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.

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 AND AS SHOWN ON SHEET OF THE PLANS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

FALLEN TIMBERS LANE (EAST AND WEST OF U.S. 24)

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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 ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE DISTRICT PERMIT SECTION BY PHONE AT (419) 373-4301 OR EMAIL (D02.PERMITS@DOT.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY PHONE AT (419) 373-4428 OR EMAIL (D02.PIO@DOT.OHIO.GOV). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE FOLLOWING NOTIFICATION TIME TABLE.

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURE	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONST.& TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE. THIS ROUTE IS SHOWN ON SHEET NO. . DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTE.

301, ASPHALT CONCRETE BASE, PG64-22	125 CU. YD.
304, AGGREGATE BASE	125 CU. YD.
407, NON-TRACKING TACK COAT	720 GAL.
442, ASPHALT CONCRETE SURFACE, COURSE, 9.5 MM, TYPE A (448)	60 CY YD.
644, CENTER LINE	2.50 MILE

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:

616, WATER	10 M. GAL.
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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.

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.

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.

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 WHICH 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.

614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	80 HOURS
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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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

LUC-24-13.12

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SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
OFFICE	5	6	9	12	13	23	26	01/NHS/BR	EXT	TOTAL						SHEET NO.	
CALCS																	
								LS	201	11000	LS		ROADWAY				
				2,172				2,172	202	23010	2,172	SY	CLEARING AND GRUBBING				
				798				798	202	38000	798	FT	PAVEMENT REMOVED, ASPHALT				
													GUARDRAIL REMOVED				
						136		136	203	10000	136	CY	EXCAVATION				
						877		877	203	20000	877	CY	EMBANKMENT				
2,786								2,786	204	10000	2,786	SY	SUBGRADE COMPACTION				
2								2	204	45000	2	HOUR	PROOF ROLLING				
				562.5				562.5	606	15050	562.5	FT	GUARDRAIL, TYPE MGS				
				2				2	606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)				
				2				2	606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T				
				2				2	606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1				
				2				2	606	35102	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2				
				1				1	622	25000	1	EACH	CONCRETE BARRIER END SECTION, TYPE D				
													EROSION CONTROL				
	2					2		4	601	21050	4	SY	TIED CONCRETE BLOCK MAT, TYPE 1				
						170		170	601	21060	170	SY	TIED CONCRETE BLOCK MAT, TYPE 2				
	2							2	659	00100	2	EACH	SOIL ANALYSIS TEST				
	845							845	659	00300	845	CY	TOPSOIL				
	7,610							7,610	659	10000	7,610	SY	SEEDING AND MULCHING				
	381							381	659	14000	381	SY	REPAIR SEEDING AND MULCHING				
	381							381	659	15000	381	SY	INTER-SEEDING				
	1.07							1.07	659	20000	1.07	TON	COMMERCIAL FERTILIZER				
	1.58							1.58	659	31000	1.58	ACRE	LIME				
	44							44	659	35000	44	MGAL	WATER				
								17,500	832	30000	17,500	EACH	EROSION CONTROL				
													DRAINAGE				
						42		42	605	1110	42	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC				
	200							200	605	13300	200	FT	6" UNCLASSIFIED PIPE UNDERDRAINS				
						697		697	605	14020	697	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC				
						133		133	611	00510	133	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS				
	100					24		124	611	01500	124	FT	6" CONDUIT, TYPE F				
	4					7		11	611	99710	11	EACH	PRECAST REINFORCED CONCRETE OUTLET				
													PAVEMENT				
509		125						634	301	46000	634	CY	ASPHALT CONCRETE BASE, PG64-22				
463		125						588	304	20000	588	CY	AGGREGATE BASE				
247		720						967	407	20000	967	GAL	NON-TRACKING TACK COAT				
203		60						263	442	10500	263	CY	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448)				
				36				36	609	24510	36	FT	CURB, TYPE 4-C				
													TRAFFIC CONTROL				
				1				1	626	00102	1	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)				
				12				12	626	00116	12	EACH	BARRIER REFLECTOR, TYPE 5 (BIDIRECTIONAL)				
								14	630	03100	14	FT	GROUND MOUNTED SUPPORT, NO. 3 POST				
								9	630	80100	9	SF	SIGN, FLAT SHEET				
								0.29	646	10000	0.29	MILE	EDGE LINE, 4"				
								0.02	646	10010	0.02	MILE	EDGE LINE, 6"				
								0.03	646	10100	0.03	MILE	LANE LINE, 4"				
		2.5						0.25	646	10200	2.75	MILE	CENTER LINE				
								571	646	10300	571	FT	CHANNELIZING LINE, 8"				
								65	646	10400	65	FT	STOP LINE, 24"				
								50	646	10600	50	FT	TRANSVERSE/DIAGONAL LINE, 24"				
								43	646	10620	43	FT	CHEVRON MARKING, 24"				
								13	646	20300	13	EACH	LANE ARROW, 72"				
								160	646	20500	160	FT	DOTTED LINE				
								205	646	20506	205	FT	DOTTED LINE, 8"				
								56	646	50200	56	SF	REMOVAL OF PAVEMENT MARKING				

GENERAL SUMMARY

LUC - 24 - 13.12