

ITEM 614– MAINTAINING TRAFFIC

THE PROPOSED WORK SHALL BE PERFORMED WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF THE TRAVELING PUBLIC AND WORKERS. ANY VARIANCES FROM THE PERMITTED REQUIREMENTS MUST BE APPROVED IN ADVANCE, IN WRITING, BY THE CITY. EXCEPT AS MODIFIED BELOW, THE REQUIREMENT FOR MAINTAINING TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL SHALL APPLY. IN ADDITION TO ITEM 614, MAINTAINING TRAFFIC, AS SET FORTH IN THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE WORK CARRIED OUT WITHIN THE LIMITS OF THE PROJECT:

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES FOR THE PROJECT EXCEPT FOR THE RONALD REGAN CROSS COUNTY HIGHWAY INTERCHANGE AREA AT THE FOLLOWING STATIONS:

ONE LEFT TURN LANE AND ONE THROUGH LANE MUST BE MAINTAINED IN EACH DIRECTION BETWEEN STATION 97+25 TO 100+00.

TEMPORARY DETECTION DURING CONSTRUCTION WILL BE NECESSARY FOR THE PROPER OPERATION OF SIGNALS AT THE RONALD REGAN CROSS COUNTY HIGHWAY AND POTENTIALLY AT OTHER SIGNALIZED INTERSECTIONS.

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING SCHEDULE PRIOR TO WORK BEGINNING FOR APPROVAL BY THE CITY ENGINEER. THE CONSTRUCTION SEQUENCING SCHEDULE SHALL TAKE INTO CONSIDERATION ALL ASPECTS OF THE PROJECT INCLUDING HOW LOCAL TRAFFIC TO THE BUSINESSES WILL BE MAINTAINED. THE CONSTRUCTION SEQUENCE WILL NEED TO BE APPROVED BY THE ENGINEER BEFORE THE COMMENCEMENT OF WORK.

ACCESS TO AND FROM ALL LOCAL RESIDENTIAL AND BUSINESS DRIVES WITHIN THE LIMITS OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES BY USING THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND THE PROPOSED PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

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 MAINTENANCE OF TRAFFIC SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL ADJUST THE LOCATION AND/OR SPACING OF ALL TRAFFIC CONTROL CHANNELIZING DEVICES AS DICTATED BY THE PROGRESS OF THE REQUIRED WORK TO ALLOW CONSTRUCTION ACCESS TO WORK AREAS WHILE MAINTAINING SAFE AND EFFECTIVE TRAFFIC CONTROL DURING ALL CONSTRUCTION OPERATIONS. ANY DAMAGE TO MAINTENANCE OF TRAFFIC EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR CORRECT.

THE ROADWAY SHALL NOT BE RESTRICTED TO ANY LANE CLOSURE DURING PERIODS OF INTERMITTENT OR IRREGULAR WORK, NOR CLOSED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR.

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.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

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A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$5,000.00 PER DAY THAT ANY LANE CLOSURES ARE PRESENT DURING THE DATES AND TIMES LISTED ABOVE.

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 CMS 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).

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.

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.

THE LEO 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.

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. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. 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.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 800 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.

ITEM 614– WORK ZONE PAVEMENT MARKINGS

WORK ZONE PAVEMENT MARKINGS SHALL BE PLACED AFTER SURFACE COURSE APPLICATION IF THE PERMANENT MARKINGS ARE NOT INSTALLED. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE WORK:

ITEM 614 – 1.62 MILE WORK ZONE, CENTER LINE (DOUBLE SOLID), CLASS I, 642 PAINT  
 ITEM 614 – 0.48 MILE WORK ZONE, CENTER LINE (SOLID/DASHED), CLASS I, 642 PAINT  
 ITEM 614 – 796 FEET WORK ZONE, STOP LINE, CLASS I, 642 PAINT  
 ITEM 614 – 50 EACH WORK ZONE, LANE ARROW, CLASS I, 642 PAINT  
 ITEM 614 – 1752 FEET WORK ZONE, CHANNELIZING LINE, CLASS I, 8", 642 PAINT  
 ITEM 614 – 4.6 MILE WORK ZONE, LANE LINE, CLASS I, 4", 642 PAINT  
 ITEM 614 – 4 EACH WORK ZONE, SCHOOL SYMBOL MARKING, 72", CLASS I, 642 PAINT

ITEM 614 – 0.81 MILE WORK ZONE, CENTER LINE (DOUBLE SOLID), CLASS III, 642 PAINT  
 ITEM 614 – 0.24 MILE WORK ZONE, CENTER LINE (SOLID/DASHED), CLASS III, 642 PAINT  
 ITEM 614 – 398 FEET WORK ZONE, STOP LINE, CLASS III, 642 PAINT  
 ITEM 614 – 25 EACH WORK ZONE, LANE ARROW, CLASS III, 642 PAINT  
 ITEM 614 – 876 FEET WORK ZONE, CHANNELIZING LINE, CLASS III, 8", 642 PAINT  
 ITEM 614 – 2.3 MILE WORK ZONE, LANE LINE, CLASS III, 4", 642 PAINT  
 ITEM 614 – 2 EACH WORK ZONE, SCHOOL SYMBOL MARKING, 72", CLASS III, 642 PAINT

DETECTION MAINTENANCE

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING. AT SUCH TIME, THE DISTRICT TRAFFIC ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MALFUNCTIONING DETECTION FROM SERVICE. WHERE NON-INTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

TEMPORARY NON-INTRUSIVE DETECTION IS ANTICIPATED FOR THIS PROJECT.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDON, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

**ALL WORK ASSOCIATED WITH THIS ITEM IS INCLUDED WITH LS 614 MAINTAINING TRAFFIC**

CONSTRUCTION NOTIFICATION

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 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 OFFICE OF COMMUNICATIONS. 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, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE

ITEM	DURATION	NOTICE DUE TO OFFICE
ROAD CLOSURE	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	12 HRS.–2 DAYS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 WEEKS	4 BUSINESS DAYS PRIOR TO CLOSURE
ROAD CLOSURE	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE
TRAFFIC PATTERN CHANGE	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.

CALCULATED  
ALH  
CHECKED  
JRG

MAINTENANCE OF TRAFFIC

HAM US 127 9.11

I:\ProjectData\PRE-40-93\Design\Roadway\Sheets\00649G001.dgn Sheet 1/1/2022 8:55:04 AM ahenders

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	6	7	8	9	10	17	18		01/S>2/PV	02/S>2/PV /NCH	03/SAF/O T						
ROADWAY																		
500						1,090					1,590		202	30000	1,590	SF	WALK REMOVED	
											216		202	32000	216	FT	CURB REMOVED	
						1,759					1,759		252	01500	1,759	FT	FULL DEPTH PAVEMENT SAWING	
EROSION CONTROL																		
										1,000			832	30000	1,000	EACH	EROSION CONTROL	
PAVEMENT																		
441											441		253	01000	441	SY	PAVEMENT REPAIR	
						33,954				33,954			254	01000	33,954	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"	
21											21		301	46000	21	CY	ASPHALT CONCRETE BASE, PG64-22	
						3,905				3,905			407	20000	3,905	GAL	NON-TRACKING TACK COAT	
						1,415				1,415			442	20000	1,415	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	
						1,415				1,415			442	20100	1,415	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 9.5 MM, TYPE A (448)	
500						1,095				1,595			608	52001	1,595	SF	CURB RAMP, AS PER PLAN	3
					1	238				238			609	26000	238	FT	CURB, TYPE 6	
										1			623	39500	1	EACH	MONUMENT BOX ADJUSTED TO GRADE	
										LS			SPECIAL	69098400	LS		MISC.: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	3
DRAINAGE																		
		6	6	11	3					26			611	99654	26	EACH	MANHOLE ADJUSTED TO GRADE, TELEPHONE	
		7	19	11						37			611	99654	37	EACH	MANHOLE ADJUSTED TO GRADE	
		20	11	15						46			611	98630	46	EACH	CATCH BASIN ADJUSTED TO GRADE	
WATER WORK																		
		7		3	2					12			611	99654	12	EACH	MANHOLE ADJUSTED TO GRADE	
		3	3		1					7			638	10800	7	EACH	VALVE BOX ADJUSTED TO GRADE	
TRAFFIC CONTROL																		
								293		293			621	54000	293	EACH	RAISED PAVEMENT MARKER REMOVED	
								293		293			621	00100	293	EACH	RPM	
								27		27			632	26500	27	EACH	DETECTOR LOOP	
								27		27			632	27200	27	EACH	LOOP DETECTOR TIE IN	
								2.3		2.3			644	00200	2.3	MILE	LANE LINE, 4"	
								1,668		1,668			644	00620	1,668	FT	CROSSWALK LINE, 12"	
								120		120		120	644	00630	120	FT	CROSSWALK LINE, 24"	
							25			25			644	01300	25	EACH	LANE ARROW	
							876			876			644	00400	876	FT	CHANNELIZING LINE, 8"	
								398		398			644	00500	398	FT	STOP LINE	
								286		286			644	00700	286	FT	TRANSVERSE/DIAGONAL LINE	
								62		62			644	01500	62	FT	DOTTED LINE, 4", WHITE	
							0.81	0.24		1.05			644	00300	1.05	MILE	CENTER LINE	
								0.21		0.21			644	00100	0.21	MILE	EDGE LINE, 4", YELLOW	
								2		2			644	01100	2	EACH	SCHOOL SYMBOL MARKING, 72"	
								175		175			644	00900	175	SF	ISLAND MARKING	
MAINTENANCE OF TRAFFIC																		
	32									32			614	1110	32	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	2.1									2.1			614	21100	2.1	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
	1.05									1.05			614	21550	1.05	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	1,752									1,752			614	23200	1,752	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
	876									876			614	23680	876	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	
	4.6									4.6			614	20100	4.6	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	
	2.3									2.3			614	20550	2.3	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	
	796									796			614	26200	796	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
	398									398			614	26610	398	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
	50									50			614	30200	50	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	
	25									25			614	30650	25	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
	4									4			614	31720	4	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 72", CLASS I 642 PAINT	
	2									2			614	31740	2	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 72", CLASS III, 642 PAINT	

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 ITEM 614 - 78 EACH WORK ZONE, LANE ARROW, CLASS I, 642 PAINT  
 ITEM 614 - 3242 FEET WORK ZONE, CHANNELIZING LINE, CLASS I, 8", 642 PAINT  
 ITEM 614 - 0.92 MILE WORK ZONE, LANE LINE, CLASS I, 4", 642 PAINT

ITEM 614 - 0.89 MILE WORK ZONE, CENTER LINE (DOUBLE SOLID), CLASS III, 642 PAINT  
 ITEM 614 - 0.60 MILE WORK ZONE, CENTER LINE (SOLID/DASHED), CLASS III, 642 PAINT  
 ITEM 614 - 356 FEET WORK ZONE, STOP LINE, CLASS III, 642 PAINT  
 ITEM 614 - 39 EACH WORK ZONE, LANE ARROW, CLASS III, 642 PAINT  
 ITEM 614 - 1621 FEET WORK ZONE, CHANNELIZING LINE, CLASS III, 8", 642 PAINT  
 ITEM 614 - 0.46 MILE WORK ZONE, LANE LINE, CLASS III, 4", 642 PAINT

DETECTION MAINTENANCE

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRE-CONSTRUCTION MEETING. AT SUCH TIME, THE DISTRICT TRAFFIC ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MALFUNCTIONING DETECTION FROM SERVICE. WHERE NON-INTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

TEMPORARY NON-INTRUSIVE DETECTION IS ANTICIPATED FOR THIS PROJECT.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDON, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

CONSTRUCTION NOTIFICATION

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 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 OFFICE OF COMMUNICATIONS. 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, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE

ITEM	DURATION	NOTICE DUE TO OFFICE
ROAD CLOSURE	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	12 HRS.-2 DAYS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD CLOSURE	< 12 WEEKS	4 BUSINESS DAYS PRIOR TO CLOSURE
	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD CLOSURE	< 2 WEEKS	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE
TRAFFIC PATTERN CHANGE	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTICE TO OFFICE OF COMMUNICATIONS TIME TABLE.

CALCULATED ALH  
CHECKED JRG

MAINTENANCE OF TRAFFIC

HAM US 127 10.23

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO
3	4	6	7	8	9	16	17	04/S>2/PV	05/S>2/PV /MTH								
ROADWAY																	
400					1,286					1,686	202	30000	1,686	SF	WALK REMOVED		
					242					242	202	32000	242	FT	CURB REMOVED		
					424					116	308	202	23000	424	SY	PAVEMENT REMOVED	
EROSION CONTROL																	
	1,000									1,000	832	30000	1,000	EACH	EROSION CONTROL		
PAVEMENT																	
					2,573					2,573	252	01500	2,573	FT	FULL DEPTH PAVEMENT SAWING		
496										496	253	01000	496	SY	PAVEMENT REPAIR		
					34,732					34,732	254	01000	34,732	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"		
18										18	301	46000	18	CY	ASPHALT CONCRETE BASE, PG64-22		
					3,994					3,994	407	20000	3,994	GAL	NON-TRACKING TACK COAT		
					1,448					1,448	442	20000	1,448	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)		
					1,448					1,448	442	20100	1,448	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 9.5 MM, TYPE A (448)		
					424					116	308	452	14100	424	SY	11" NON-REINFORCED CONCRETE PAVEMENT, CLASS OC 1P	
400					1,282					1,682	608	52001	1,682	SF	CURB RAMP, AS PER PLAN	3	
					36					36	609	18000	36	FT	COMBINATION CURB AND GUTTER, TYPE 3		
					209					209	609	26000	209	FT	CURB, TYPE 6		
		1								1	623	39500	1	EACH	MONUMENT BOX ADJUSTED TO GRADE		
			3							3	625	31506	3	EACH	PULL BOX REMOVED AND REPLACED		
										LS	SPECIAL	69098400	LS		MISC.: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	3	
DRAINAGE																	
										1	611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE, CLEANOUT		
		12	7	10						29	611	99654	29	EACH	MANHOLE ADJUSTED TO GRADE		
		13	10	14						37	611	98630	37	EACH	CATCH BASIN ADJUSTED TO GRADE		
		6								6	611	99654	6	EACH	MANHOLE ADJUSTED TO GRADE, TELEPHONE		
WATER WORK																	
		2		1						3	611	99654	3	EACH	MANHOLE ADJUSTED TO GRADE		
		18	27	20						65	638	10800	65	EACH	VALVE BOX ADJUSTED TO GRADE		
TRAFFIC CONTROL																	
										314	621	54000	314	EACH	RAISED PAVEMENT MARKER REMOVED		
										314	621	00100	314	EACH	RPM		
										17	632	26500	17	EACH	DETECTOR LOOP		
										17	632	27200	17	EACH	LOOP DETECTOR TIE IN		
										0.46	644	00200	0.46	MILE	LANE LINE, 4"		
											644	00100	0.72	MILE	EDGE LINE, 4"		
					1,137					1,137	644	00620	1,137	FT	CROSSWALK LINE, 12"		
					1,152					1,152	644	00630	1,152	FT	CROSSWALK LINE, 24"		
					39					39	644	01300	39	EACH	LANE ARROW		
										1,621	644	00400	1,621	FT	CHANNELIZING LINE, 8"		
										356	644	00500	356	FT	STOP LINE		
										2,358	644	00700	2,358	FT	TRANSVERSE/DIAGONAL LINE		
					132					132	644	01500	132	FT	DOTTED LINE, 4", WHITE		
					0.6	0.89				1.49	644	00300	1.49	MILE	CENTER LINE		
						1,008				1,008	644	01200	1,008	FT	PARKING LOT STALL MARKING		
					53					53	644	00900	53	SF	ISLAND MARKING		
MAINTENANCE OF TRAFFIC																	
		32								32	614	1110	32	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
		2.98								2.98	614	21100	2.98	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT		
		1.49								1.49	614	21550	1.49	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT		
		3,242								3,242	614	23200	3,242	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT		
		1,621								1,621	614	23680	1,621	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT		
		0.92								0.92	614	20100	0.92	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT		
		0.46								0.46	614	20550	0.46	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT		
		712								712	614	26200	712	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		
		356								356	614	26610	356	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT		

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**GENERAL SUMMARY**  
**HAM-US 127 9.11**  
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