

ITEM 614, MAINTAINING TRAFFIC

NO WORK SHALL BE PERFORMED AND A MINIMUM OF 2 LANES OF TRAFFIC IN EACH DIRECTION, INCLUDING ALL INTERCHANGES AND INTERSECTIONS SHALL BE OPEN DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

- CHRISTMAS FOURTH OF JULY
- NEW YEAR'S LABOR DAY
- MEMORIAL DAY THANKSGIVING
- EASTER

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY TIME ALL LANES
OR EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY 12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY 12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY 12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY 12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)
6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY 12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

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.

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.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON SR-2 AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, MILLED SURFACE, OR THE COMPLETED PAVEMENT. THE WORK ZONE LENGTH AND CLOSURE OF ONE LANE SHALL BE LIMITED TO 4 MILES AT ANY ONE TIME .

RAMPS MAY BE CLOSED PER LANE VALUE CONTRACT TABLE. A MAXIMUM OF 2 RAMPS PER INTERCHANGE MAY BE CLOSED AT THE SAME TIME PROVIDED THEY DO NOT CONFLICT WITH DETOURS FROM ANY OTHER RAMP/INTERSECTION DETOUR ROUTES.

TRAFFIC SHALL BE MAINTAINED PER MT.95.40 FOR THE REMOVAL AND INSTALLATION OF THE CURB AND GUTTER. THE CONTRACTOR SHALL FOLLOW LANE RESTRICTIONS NOTED IN THE VALUE CONTRACT TABLE AND OTHER PLAN NOTES.

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. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

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 SIGN DISPLAYED
OF CLOSURE TO PUBLIC

RAMP & >=2 WEEKS 14 CALENDAR DAYS
PRIOR TO CLOSURE

ROAD > 12 HOURS 7 CALENDAR DAYS
& < 2 WEEKS PRIOR TO CLOSURE

CLOSURES <= 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 A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

RAMP DETOURS:

RAMP	DETOUR
SR-163 EB TO SR-2 EB	SR-358 TO SR-2 EB
SR-2 WB TO SR-163 WB	SR-2 WB TO SR-358
SR-2 EB TO SR-53 SB	SR-2 EB TO SR-53 N TO SR-163 W TO SR-2 W
SR-53 NB TO SR-2 EB	SR-2 WB TP SR-163 TP SR-2 EB
SR-2 WB TO SR-53 SB	SR-2 WB TO SR-163 TO SR-2 EB
SR-53 TO SR-2 WB	SR-2 EB TO SR-53 N TO SR-163 W TO SR-2 WB

LANE VALUE CONTRACT TABLE			
DESCRIPTION OF LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME PERIOD
2 LANES OPEN EB AND WB INCLUDING ALL RAMPS AND INTERSECTIONS	HOLIDAYS PER HOLIDAY PLAN NOTE ON SH.7	EACH MINUTE	\$80
RAMPS AND INTERSECTIONS PRIOR TO 5/27/22	OPEN 24/7 EXCEPT FOR 5 CONSECUTIVE DAYS PER RAMP WHEN RAMP MAY BE CLOSED FOR CONSTRUCTION*	EACH DAY	\$2,500
RAMPS AND INTERSECTION FROM 5/27/22 TO COMPLETION OF PROJECT	OPEN 24/7 EXCEPT FOR 2 DAYS PER RAMP WHEN RAMP MAY BE CLOSED BETWEEN 12:01AM MONDAY AND 6:00AM FRIDAY FOR CONSTRUCTION**	EACH MINUTE	\$25

*CONTRACTOR TO COMPLETE PAVEMENT REPAIRS, MILL AND FILL PAVING OPERATIONS AND GUARDRAIL WORK ON ALL RAMPS PRIOR TO 5/27/22.

**CONTRACTOR MAY CLOSE RAMPS AFTER 5/27/22 PER ABOVE TABLE TO COMPLETE RIGHT LANE /ACCELERATION/DECELERATION LANE MILL AND FILL PAVING OPERATIONS AT JUNCTURE OF MAINLINE AND RAMP PAVEMENTS. ANY PAVEMENT REPAIRS IN THE RIGHT LANE ADJACENT TO THE ACCELERATION/DECELERATION LANES SHALL BE SCHEDULED/ COORDINATED/CONSTRUCTED AS TO ALLOW TRAFFIC CONTINUOUS ACCESS TO RAMPS.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 15 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614 - WORK ZONE MARKING SIGN	22 EACH
ITEM 614 - WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	28 MILE
ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	58 MILE
ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	16342 FT
ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	8464 FT
ITEM 614 - WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	14 MILE
ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	29 MILE
ITEM 614 - WORK ZONE ARROW, CLASS III, 642 PAINT	14 EACH

BARRIER FOR MAINTENANCE OF TRAFFIC

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 622 - PORTABLE BARRIER, UNANCHORED	5537 FT
ITEM 614 - OBJECT MARKER, ONE WAY	111 EACH
ITEM 614 - BARRIER REFLECTOR, TYPE 1, UNIDIRECTIONAL	111 EACH
ITEM 614 - WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	5 EACH

DESIGN AGENCY



DESIGNER	ALF
REVIEWER	JMF
PROJECT ID	107959
SHEET	TOTAL
7	40

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.			
6	6A	7	8	9	12	13	14	15	16	01/NHS/PV	EXT	TOTAL							
															ROADWAY				
										LUMP	201	11000	LS		CLEARING AND GRUBBING				
								4,639		4,639	202	23000	4,639	SY	PAVEMENT REMOVED				
								2,890		2,890	202	32000	2,890	FT	CURB REMOVED				
								647		647	202	32500	647	FT	CURB AND GUTTER REMOVED				
								14,050		14,050	202	38000	14,050	FT	GUARDRAIL REMOVED				
								8		8	202	42010	8	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E				
								5		5	202	42040	5	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T				
								6		6	202	42050	6	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B				
								25		25	202	47000	25	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED				
								139		139	209	15000	139	STA	RESHAPING UNDER GUARDRAIL				
					18.27	2.5				20.77	209	60500	20.77	MILE	LINEAR GRADING				
								12,950		12,950	606	15050	12,950	FT	GUARDRAIL, TYPE MGS				
								2		2	606	26050	2	EACH	ANCHOR ASSEMBLY, MGS TYPE B				
								11		11	606	26150	11	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	6			
								7		7	606	26550	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T				
								14		14	606	35002	14	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1				
								8		8	606	35102	8	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2				
								4		4	606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4				
								2,890		2,890	609	10000	2,890	FT	ASPHALT CONCRETE CURB, TYPE 1				
								647		647	609	12000	647	FT	COMBINATION CURB AND GUTTER, TYPE 2				
5										5	623	39500	5	EACH	MONUMENT BOX ADJUSTED TO GRADE				
															EROSION CONTROL				
								2,904		2,904	659	10000	2,904	SY	SEEDING AND MULCHING				
								0.39		0.39	659	20000	0.39	TON	COMMERCIAL FERTILIZER				
								16		16	659	35000	16	MGAL	WATER				
										1,000	832	30000	1,000	EACH	EROSION CONTROL				
															DRAINAGE				
2										2	611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE				
2										2	611	99150	2	EACH	INLET ADJUSTED TO GRADE				
															PAVEMENT				
										297,806	29,237		327,043	254	01000	327,043	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 3/4"	
	5,632									5,632	254	01001	5,632	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, VARIABLE	6A			
1,760										1,760	255	10161	1,760	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, AS PER PLAN	6			
7,920										7,920	255	20000	7,920	FT	FULL DEPTH PAVEMENT SAWING				
								6,836		6,836	257	10000	6,836	SY	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT				
								25,314	2,485	27,799	407	20000	27,799	GAL	NON-TRACKING TACK COAT				
								14,477	1,421	15,898	442	10001	15,898	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	6A			
	469									469	442	20200	469	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)	6A			
								888	141	1,029	617	10100	1,029	CY	COMPACTED AGGREGATE				
										606	617	10101	606	CY	COMPACTED AGGREGATE, AS PER PLAN	6A			
								136,258		136,258	618	40100	136,258	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)				
								23,862		23,862	875	10000	23,862	LB	LONGITUDINAL JOINT ADHESIVE				
															TRAFFIC CONTROL				
										1,171	1,171	621	00100	1,171	EACH	RPM			
										1,171	1,171	621	54000	1,171	EACH	RAISED PAVEMENT MARKER REMOVED			
								278		278	626	00116	278	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL				
								42		42	630	03100	42	FT	GROUND MOUNTED SUPPORT, NO. 3 POST				
								16.76		16.76	630	80100	16.76	SF	SIGN, FLAT SHEET				
								6		6	630	84900	6	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL				
								6		6	630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL				
								28.96		28.96	642	00104	28.96	MILE	EDGE LINE, 6", TYPE 1				
								13.86		13.86	642	00204	13.86	MILE	LANE LINE, 6", TYPE 1				
								0.83		0.83	642	00300	0.83	MILE	CENTER LINE, TYPE 1				



SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
6	6A	7	8	9	12	13	14	15		01/NHS/PV	EXT	TOTAL				
															(TRAFFIC CONTROL CONT.)	
										9,321	642	00404	9,321	FT	CHANNELIZING LINE, 12", TYPE 1	
										4,332	642	01510	4,332	FT	DOTTED LINE, 6", TYPE 1	
20										20	642	40000	20	EACH	SPEED MEASUREMENT MARKING	
										484	644	00700	484	FT	TRANSVERSE/DIAGONAL LINE	
										462	644	00720	462	FT	CHEVRON MARKING	
										294	644	00900	294	SF	ISLAND MARKING	
										17	644	01300	17	EACH	LANE ARROW	
										3	644	01360	3	EACH	WRONG WAY ARROW	
															STRUCTURE OVER 20 FOOT SPAN (OTT-2-1770)	
															SEE SHEET NO. 39 FOR QUANTITIES.	
															STRUCTURE OVER 20 FOOT SPAN (OTT-2-2306 L & R)	
															SEE SHEET NO. 40 FOR QUANTITIES.	
															MAINTENANCE OF TRAFFIC	
										120	614	11110	120	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		5								5	614	12384	10	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
		22								22	614	12460	22	EACH	WORK ZONE MARKING SIGN	
					20					20	614	12484	20	EACH	WORK ZONE INCREASED PENALTIES SIGN	
		5								5	614	12500	5	EACH	REPLACEMENT SIGN	
		15								15	614	12600	15	EACH	REPLACEMENT DRUM	
		111								111	614	13310	222	EACH	BARRIER REFLECTOR, TYPE 1, UNIDIRECTIONAL	
		111								111	614	13350	222	EACH	OBJECT MARKER, ONE WAY	
			8							8	614	18600	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
		14								14	614	20056	14	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
		28								28	614	20110	28	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
		29								29	614	22056	29	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
		58								58	614	22110	58	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
		16,342								16,342	614	23210	16,342	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
		8,464								8,464	614	24202	8,464	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
		14								14	614	30650	14	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
		5,537								5,537	622	41100	11,074	FT	PORTABLE BARRIER, UNANCHORED	
			51							51	808	18700	51	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
															INCIDENTALS	
										LUMP	108	30000	LS		CPM PROGRESS SCHEDULE SHORT DURATION PROJECTS	
										LUMP	614	11000	LS		MAINTAINING TRAFFIC	
										LUMP	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	6
										LUMP	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
ALF

REVIEWER
JMF

PROJECT ID
107959

SHEET TOTAL
11 40