

ITEM 614, MAINTAINING TRAFFIC

WOO-75:

A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, MILLED SURFACE AND COMPLETED PAVEMENT. LANE CLOSURES SHALL FOLLOW STANDARD CONSTRUCTION DRAWING MT-95.30.

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.

A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. LANE AND RAMP CLOSURES SHALL FOLLOW MT-95.30, MT-98.29 AND MT-98.30.

PER THE MOTEC APPROVAL PLAN NOTE AND THE LANE VALUE CONTRACT TABLE, I-475 NB AND I-475 SB MAY EACH BE REDUCED TO ONE LANE IN EACH DIRECTION FOR UP TO TWO WEEKENDS PER DIRECTION TO COMPLETE FULL DEPTH PAVEMENT REPLACEMENT ADJACENT TO STRUCTURES WOO-475-0197 L&R AND WOO-475-0214 L&R. DURING THE WEEKEND WORK FOR I-475 NB, THE I-75 NB TO I-475 NB SYSTEM RAMP AND SR-25 TO I-475 NB SERVICE RAMP SHALL BE CLOSED AND LANE CLOSURES SHALL NOT BE PERMITTED ON I-75 NB. ADDITIONAL LANE CLOSURES ON I-475 ARE PERMITTED OVERNIGHT PER THE LANE VALUE CONTRACT TABLE FOR PROFILE MILLING ADJACENT TO THESE STRUCTURE.

PERMITTED LANE CLOSURES

LANE CLOSURES ON WOO-75 SHALL FOLLOW ODOT'S PERMITTED LANE CLOSURES SCHEDULE LISTED ON THE FOLLOWING WEBSITE:

HTTP://PLCM.DOM.STATE.OH.US/

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN ACCORDANCE WITH THE TIME FRAMES AND AMOUNTS SHOWN IN THE LANE VALUE CONTRACT TABLE SHOWN ON THIS SHEET FOR ANY PERMITTED LANE CLOSURE VIOLATIONS.

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

Table with 2 columns: Event Name and Date/Time. Includes New Year's, Total Solar Eclipse, Memorial Day, Fourth of July, and Labor Day.

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:

Table with 2 columns: Day of Holiday or Special Event and Time All Lanes Must Be Open to Traffic.

Table with 2 columns: Day and Time Period. Lists days from Sunday to Saturday and their corresponding lane closure times.

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.

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.

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.

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.

LANE VALUE CONTRACT TABLE

Table with 4 columns: Lanes/Ramp to be Maintained, Restricted Time Periods, Time Unit, and Disincentive. Lists various ramp and lane closure scenarios and their associated costs.

RAMP DETOURS:

Table with 4 columns: Interchange, Ramp, Closure Duration Allowed, and Detour Route. Details detour routes for interchanges I-75 & US-20, I-75 & SR-795, and I-75 & Buck Rd.

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.

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 6 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.

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 10 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

CLEARING SHOULDERS

SHOULDERS BEING USED TO CARRY TRAFFIC DUE TO MOT OPERATIONS SHALL BE SWEEPED AND CLEARED OF DEBRIS PRIOR TO THE TRAFFIC BEING SHIFTED OVER.

PAYMENT FOR ALL THE WORK AS DESCRIBED ABOVE IS INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

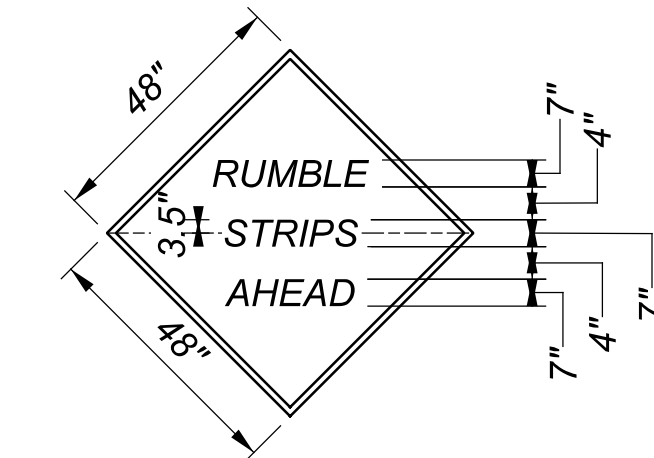
WORK ZONE MARKINGS AND SIGNS

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 52 EACH
ITEM 614 - WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT 36.3 MILE
ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT 48.6 MILE
ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT 27486 FT
ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT 29,682 FT
ITEM 614 - WORK ZONE ARROW, CLASS III, 642 PAINT 82 EACH
ITEM 614 - WORK ZONE LANE LINE, CLASS II, 6", 642 PAINT 0.1 MILE
ITEM 614 - WORK ZONE EDGE LINE, CLASS II, 6", 642 PAINT 0.2 MILE

ITEM 642 - REMOVAL PAVEMENT MARKINGS (WOO-475) 1.8 MILE

ITEM 614 - WORK ZONE MARKING SIGN (RUMBLE STRIPS AHEAD)



3.0" RADIUS, 1.25" BORDER, 0.75" INDENT BLACK LETTERS ON ORANGE BACKGROUND "RUMBLE" - SERIES D; "STRIPS" - SERIES D; "AHEAD" - SERIES D

A QUANTITY OF 2 EACH HAS CARRIED TO GENERAL SUMMARY

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

COORDINATION BETWEEN PROJECTS


THE CONTRACTOR IS ADVISED OF CONSTRUCTION CONTRACT WOO/LUC-75-30.70/0.00 (SPN (19)0108) WHICH MAY BE IN PROGRESS CONCURRENTLY WITH WHEN THIS PROJECT IS BEING CONSTRUCTED.



SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	9	10	11	14	15	16	17	35A	35C							
<b>ROADWAY</b>																	
							930		748	748	2,426	202	23000	2,426	SY	PAVEMENT REMOVED	
							12,112.5				12,112.5	202	38000	12,112.5	FT	GUARDRAIL REMOVED	
							27				27	202	42010	27	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
							28				28	202	42040	28	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
							10				10	202	42050	10	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
							18				18	202	47000	18	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
							158				158	209	15000	158	STA	RESHAPING UNDER GUARDRAIL	
					12.49	7.78					20.27	209	60500	20.27	MILE	LINEAR GRADING	REVISED
							12,912.5				12,912.5	606	15050	12,912.5	FT	GUARDRAIL, TYPE MGS	
							16				16	606	26050	16	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
							26				26	606	26150	26	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	7
							34				34	606	26550	34	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
							14				14	606	35002	14	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
							6				6	606	35102	6	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
<b>EROSION CONTROL</b>																	
							1,647				1,647	659	10000	1,647	SY	SEEDING AND MULCHING	
							0.22				0.22	659	20000	0.22	TON	COMMERCIAL FERTILIZER	
							9				9	659	35000	9	MGAL	WATER	
											1,000	832	30000	1,000	EACH	EROSION CONTROL	
<b>DRAINAGE</b>																	
2											2	611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE	
2											2	611	99150	2	EACH	INLET ADJUSTED TO GRADE	
<b>PAVEMENT</b>																	
	1,712										1,712	253	02000	1,712	CY	PAVEMENT REPAIR	
					270,442						270,442	254	01000	270,442	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1"	REVISED
					74,000						74,000	254	01000	74,000	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1 1/2"	
							3,380	3,380			6,760	254	01001	6,760	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 2"	8A
							190	190			380	301	56000	380	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
							28	28			56	304	20000	56	CY	AGGREGATE BASE	REVISED
							268	268			536	407	10000	536	GAL	TACK COAT	
					22,988	6,290					29,278	407	20000	29,278	GAL	NON-TRACKING TACK COAT	
					7,512						7,512	424	14001	7,512	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448), AS PER PLAN	8
						2,056					2,056	442	10001	2,056	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22	7
							188	188			376	442	22100	376	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	
							83	83			166	442	22400	166	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (449)	
							154	187			341	SPECIAL	51631200	341	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	REVISED
					608	307		13	13		941	617	10100	941	CY	COMPACTED AGGREGATE	8A
							407				492	617	10101	492	CY	COMPACTED AGGREGATE, AS PER PLAN, 4"	7
					86,756				1,410	1,412	89,578	618	40100	89,578	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
					85,350						85,350	872	10000	85,350	FT	VOID REDUCING ASPHALT MEMBRANE (VRAM)	
									1,600	1,600	3,200	875	10000	3,200	LB	LONGITUDINAL JOINT ADHESIVE	
<b>TRAFFIC SURVEILLANCE</b>																	
	200										200	632	90030	200	FT	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, LOOP LEAD IN CABLE	
	200										200	632	90500	200	FT	SIGNALIZATION, MISC.:UNLASH AND RELASH MESSENGER WIRE	8
	2										2	809	69101	2	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	8
<b>TRAFFIC CONTROL</b>																	
											1,139	621	00100	1,139	EACH	RPM	
											1,155	621	54000	1,155	EACH	RAISED PAVEMENT MARKER REMOVED	
							257				257	626	00116	257	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL	
							23.7	0.31	0.31		24.32	642	00104	24.32	MILE	EDGE LINE, 6", TYPE 1	
							17.51	0.16	0.16		17.83	642	00204	17.83	MILE	LANE LINE, 6", TYPE 1	REVISED
		1.8									1.8	642	30030	1.8	MILE	REMOVAL OF PAVEMENT MARKING	
											14,459	644	00404	14,459	FT	CHANNELIZING LINE, 12"	
											149	644	00500	149	FT	STOP LINE	
											30	644	00700	30	FT	TRANSVERSE/DIAGONAL LINE	
											1,061	644	00720	1,061	FT	CHEVRON MARKING	
											41	644	01300	41	EACH	LANE ARROW	
											5	644	01350	5	EACH	LANE REDUCTION ARROW	
											8	644	01360	8	EACH	WRONG WAY ARROW	
											12,405	644	01510	12,405	FT	DOTTED LINE, 6"	
											32	644	20800	32	FT	YIELD LINE	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
ALF

REVIEWER  
JMF


PROJECT ID  
92122

SHEET TOTAL  
12 35

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	9	10	11	14	15	16	17	35A	35C	01/IMS/05	EXT	TOTAL				
40											40	644	40000	40	EACH	SPEED MEASUREMENT MARKING	7
																MAINTENANCE OF TRAFFIC	
				260							260	614	11110	260	LS	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		54									LUMP	614	12420	LS	DETOUR SIGNING		
											54	614	12460	54	EACH	WORK ZONE MARKING SIGN	
				14							14	614	12484	14	EACH	WORK ZONE INCREASED PENALTIES SIGN	
		6									6	614	12500	6	EACH	REPLACEMENT SIGN	
		10									10	614	12600	10	EACH	REPLACEMENT DRUM	
			18								18	614	18601	18	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	10
		36.3									36.3	614	20110	36.3	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
		0.1									0.1	614	20500	0.1	MILE	WORK ZONE LANE LINE, CLASS II, 4", 642 PAINT	
		48.6									48.6	614	22110	48.6	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
		0.2									0.2	614	22360	0.2	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
		27,486									27,486	614	23210	27,486	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
		29,682									29,682	614	24202	29,682	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
		82									82	614	30650	82	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	
			48								48	808	18700	48	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	7	
											LUMP	624	10000	LS	MOBILIZATION		

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
ALF

REVIEWER  
JMF

PROJECT ID  
92122

SHEET TOTAL  
13 35

W00-75/475-26.02/2.04

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/14/2023 TIME: 5:06:10 PM USER: alfmel  
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STATION RANGE	TYPICAL SECTION	CADD GENERATED AREA	209	254	407		442		617						
			LINEAR GRADING	PAVEMENT PLANING, ASPHALT CONCRETE, 1 1/2"	NON-TRACKING TACK COAT	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	COMPACTED AGGREGATE	SY	MILE	SY	GAL	CY	CY		
RAMPS AT US 20															
RAMP A		7369	0.75	7369	626		205		37						
RAMP B		4265	0.47	4265	363		118		23						
RAMP B		1534	0.47	1534	130		43		9						
RAMP C		7319	0.67	7319	622		203		33						
RAMPS AT SR 795															
RAMP A		10128	0.66	10128	861		281		32						
RAMP B		5499	0.34	5499	467		158		17						
RAMP C		11988	1.07	11988	1019		333		52						
RAMP D		5522	0.34	5522	469		153		17						
RAMPS AT BUCK RD															
RAMP A		4796	0.56	4796	408		133		28						
RAMP B		5774	0.96	5774	491		160		23						
RAMP C		5197	0.67	5197	442		144		16						
RAMP D		4609	0.80	4609	392		128		20						
<b>01/IMS/05 TOTALS CARRIED TO GENERAL SUMMARY</b>			7.78	74000	6290		2056		307						

REVISED

REVISED

REVISED

PAVEMENT CALCULATIONS-RAMPS

DESIGN AGENCY  
  
 DESIGNER: ALF  
 REVIEWER: JMF  
 PROJECT ID: 92122  
 SHEET: 15 TOTAL: 35