

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

MAINTENANCE OF TRAFFIC FOR CONSTRUCTION OF DRAINAGE ON BRICE ROAD

TO BE ABLE TO CONSTRUCT THE DRAINAGE IN THE MAINTENANCE OF TRAFFIC SCHEME PROVIDED HEREIN, PORTIONS OF THE TRUNK LINE STORM SEWER SHALL BE CONSTRUCTED DURING PRE-PHASE 1.

PRE-PHASE 1 FOR DRAINAGE ON BRICE ROAD SHALL CLOSE THE RIGHT-MOST NORTHBOUND LANE USING STANDARD DRAWING MT-95.30, DURING THE HOURS OF 9 AM TO 3 PM, WEEKDAYS. THE LIMITS OF THE NECESSARY NORTHBOUND CLOSURE WILL BE STATION 4+00 ON THE SOUTH END OF THE PROJECT AND STATION 19+00 ON THE NORTH END OF THE PROJECT. THE CLOSURE LENGTH MAY VARY EACH DAY BASED ON DAILY WORK LIMITS. OPEN TRENCHES SHALL BE COVERED WITH STRUCTURALLY ADEQUATE STEEL PLATES IF EXPOSED TO TRAFFIC. CONTRACTOR IS RESPONSIBLE FOR DESIGNING THICKNESS OF PLATES.

DURING PRE-PHASE 1, WHILE DRAINAGE STRUCTURES ARE BEING CONSTRUCTED, ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS THROUGH PART-WIDTH CONSTRUCTION, PLATES, AND DRUMS.

DURING PRE-PHASE 1, THE FOLLOWING DRAINAGE STRUCTURES AS CALLED OUT IN THE DRAINAGE PLANS WILL NEED TO BE CONSTRUCTED, INCLUDING THE PIPE SEGMENTS BETWEEN STRUCTURES TO PROVIDE POSITIVE DRAINAGE:

D200 D301 D304 D341 D345 D201 D302 D305 D342 D350 D202 D303 D306 D343 D203 D303A AND CONCRETE COLLAR CONNECTING EXISTING 48" TO PIPE ENTERING D350.

THE PARTIAL TRUNK LINE, AS INDICATED ABOVE, SHALL BE CONNECTED TO THE EXISTING CULVERT NEAR STATION 12+00 DURING PRE-PHASE 1.

PIPES TO BE CONSTRUCTED DURING PHASE 1 ARE SHOWN IN THE DRAINAGE PLANS AS CROSSING BRICE ROAD TO THE TRUNK SEWER LINE CONSTRUCTED IN PRE-PHASE 1 AS ABOVE. THESE CROSSING PIPES, LISTED BELOW, MAY BE CONSTRUCTED USING OPEN CUTTING OF PAVEMENT. THE OPEN CUTTING OF PAVEMENT WILL NEED TO BE ACCOMPLISHED BY WEEKEND WORK AS DEFINED BY 10:00 PM FRIDAY NIGHT THROUGH 5:00 AM MONDAY MORNING. TEMPORARY LANE CLOSURES SHALL BE FACILITATED BY USING SCD MT-95.30 AND APPLICATIONS TA-21, TA-22, TA-23, AND TA-30 OF THE ODOT. STRUCTURALLY ADEQUATE STEEL PLATES SHALL COVER ALL OPEN TRENCHES SUBJECTED TO TRAFFIC. CONTRACTOR IS RESPONSIBLE FOR DESIGNING THICKNESS OF PLATES. TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WEEKEND'S WORK. WEEKEND WORK SHALL NOT BE IN CONTRADICTION TO HOLIDAY OR SPECIAL EVENT TABLE IN THESE NOTES. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES DURING WEEKEND WORK.

CROSSING PIPES TO BE CONSTRUCTED IN PHASE 1:
214-203 320-304 346-345 312-302
324-306 316-303 344-343

THE REMAINDER OF THE DRAINAGE STRUCTURES AND CONDUITS SHALL BE CONSTRUCTED IN PHASE 2 AND 3, AS THE PROPOSED MOT SCHEME CLOSES TRAFFIC TO THE AREA NECESSARY TO CONSTRUCT EACH ITEM.

THE SAW CUTTING AND TEMPORARY PAVEMENT NEEDED ALONG THE EAST SIDE OF BRICE ROAD TO INSTALL THE DRAINAGE ITEMS IN PRE-PHASE 1, AS DEFINED ABOVE, ARE TO BE PAID FOR IN THE LUMP SUM MOT QUANTITY. ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B IS TO BE USED TO PAVE OVER BACKFILLED TRENCHES WITHIN THE PAVEMENT IN THIS LOCATION. AN ESTIMATED QUANTITY OF 1050 SY OF ITEM 615 IS TO BE USED FOR BIDDING PURPOSES.

OTHER MOT QUANTITIES FOR WORK DESCRIBED ABOVE ARE INCIDENTAL TO LUMP SUM QUANTITY OF MOT.

WORK ZONE MARKINGS

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: LANE LINE, CLASS 1, 5", 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: EDGE LINE, CLASS 1, 5", 642 PAINT, WHITE

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: EDGE LINE, CLASS 1, 5", 642 PAINT, YELLOW

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: DOTTED LINE, CLASS 1, 5", 642 PAINT, WHITE

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: DOTTED LINE, CLASS 1, 5", 642 PAINT, YELLOW

IN ADDITION TO THE REQUIREMENT OF ITEM 614 AND 642 THE PAVEMENT MARKINGS SHALL BE 5" PER CITY OF COLUMBUS ITEM 614 AND 642.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID PER MILE, INSTALLED AND MAINTAINED.

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: CHANNELIZING LINE, CLASS 1, 10", 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: STOP LINE, CLASS 1, 20", 642 PAINT

IN ADDITION TO THE REQUIREMENT OF ITEM 614 AND 642 THE PAVEMENT MARKINGS SHALL BE PER MARKING WIDTH SPECIFIED PER CITY OF COLUMBUS ITEM 614 AND 642.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID PER FT, INSTALLED AND MAINTAINED.

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: CENTER LINE, CLASS 1, 5", 642 PAINT, DOUBLE SOLID

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 AND 642 THE PAVEMENT MARKINGS SHALL BE PER MARKING WIDTH SPECIFIED PER CITY OF COLUMBUS ITEM 614 AND 642.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID PER MILE, INSTALLED AND MAINTAINED.

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: ARROW, CLASS 1, 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: LANE REDUCTION ARROW, CLASS 1, 642 PAINT

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 AND 642 THE PAVEMENT MARKINGS SHALL BE PER MARKING SPECIFICATIONS PER CITY OF COLUMBUS ITEM 614 AND 642.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID PER EACH, INSTALLED AND MAINTAINED.

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 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 50 EACH HAS BEEN CARRIED TO 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 300 EACH HAS BEEN CARRIED TO THE GENERAL SUMMARY.

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S)	COUNTY-ROUTE-SECTIONS(S)	DIRECTION(S)
WZ-35788	I-70, 22.26-24.81	WB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATED THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER. MAINLINE AND CD LANES SEPARATED BY BARRIERS IN THE SAME DIRECTION SHALL BE ANALYZED TOGETHER.

WORK ZONE SPEED ZONES (WZSZS) (CONT'D)

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN ODOT PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED SPEED LIMIT	WITH PROTECTION		WITHOUT PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEEL LIMIT (DSL) SIGN ASSEMBLY 120 SNMT ASSUMING 8 DSL SIGN ASSEMBLIES FOR 15 MONTHS

COORDINATION WITH ADJACENT PROJECTS
THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS. ADJACENT PROJECTS WILL BE: FRA-70-22.61, PID 95639 FRA-270-43.18, PID 112798 LIGHTING OPTIMIZATION SE OHIO, PID 112676 D05 PM FY2024(D) R-WR, PID 117284. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE. ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS)*, AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM

*IF REQUIRED BY THE PROJECT

MAINTENANCE OF TRAFFIC SUBSUMMARY

FRA-70-22.85

ITEM	EXTENSION	TOTAL FROM SHEET													TOTAL	UNIT	DESCRIPTION	SEE SHEET	
		59-65	68	69	70	71	72	73	74	75	76	77	78	79					
411	10000		123			90									213	CY	STABILIZED CRUSHED AGGREGATE		
601	32200					3									3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER		
602	20000					1									1.4	CY	CONCRETE MASONRY		
606	15050		645						488					213	1346	FT	GUARDRAIL, TYPE MGS		
606	26150													1	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016		
606	26500		1						1					1	3	EACH	ANCHOR ASSEMBLY, TYPE T		
611	04400					46									46	FT	12" CONDUIT, TYPE B		
611	05900					224									224	FT	15" CONDUIT, TYPE B		
611	07400					122									122	FT	18" CONDUIT, TYPE B		
611	98450					2									2	EACH	CATCH BASIN, NO. 2-2A		
614	1110	1000													1000	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	65	
SPECIAL	61411300	6													6	EACH	WORK ZONE TRAFFIC SIGNAL	64	
614	11630	46466													46466	FT	INCREASED BARRIER DELINEATION	65	
614	12380	42													42	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
614	12420														LS		DETOUR SIGNING		
614	12484	42													42	EACH	WORK ZONE INCREASED PENALTIES SIGN	61	
614	12500	50													50	EACH	REPLACEMENT SIGN	60	
614	12600	300													300	EACH	REPLACEMENT DRUM	60	
614	12801		728			409								295	2004	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	62	
614	13310	915													915	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	65	
614	13312	1064													1064	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY	65	
614	13350	3773													3773	EACH	OBJECT MARKER, ONE WAY	65	
614	18601	64													64	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	61	
614	20056		3.42			3.69								2.53	5.83	15.47	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
614	22056		3.33		0.27	3.61		0.20	0.12	4.27		0.14	4.06		16.00	MILE	WORK ZONE, EDGE LINE, CLASS I, 6", 807 PAINT, WHITE		
614	22056		2.86		0.23	3.67		0.20	0.12	3.98		0.10	4.44		15.59	MILE	WORK ZONE, EDGE LINE, CLASS I, 6", 807 PAINT, YELLOW		
614	23110		10933			9075				6002		54	10580		36644	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT		
614	24102		779			1639				3878			4607		10903	FT	WORK ZONE DOTTED LINE, CLASS I, 6" 807 PAINT		
614	27070									184		200			364	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE I		
614	31200				2					2					4	EACH	WORK ZONE WORD ON PAVEMENT, 72", CLASS I, 642 PAINT		
614	31650		4			4									8	EACH	WORK ZONE WORD ON PAVEMENT, 96", CLASS I, 642 PAINT		
614	98000			0.40	0.01		0.81	0.06	0.04		0.97	0.43		0.92	3.64	MILE	WORK ZONE PAVEMENT MARKING, MISC.: LANE LINE, CLASS I, 5" 642 PAINT	60	
614	98000			0.73	0.54		0.44	0.31	0.24			0.30		0.34	2.89	MILE	WORK ZONE PAVEMENT MARKING, MISC.: CENTER LINE, CLASS I, 5" 642 PAINT, DOUBLE SOLID	60	
614	98000			1.12	0.71		0.39	0.49	0.47			0.66		0.16	4.00	MILE	WORK ZONE PAVEMENT MARKING, MISC.: EDGE LINE, CLASS I, 5", 642 PAINT, WHITE	60	
614	98000						0.04	0.03			0.78	0.27		0.36	1.47	MILE	WORK ZONE PAVEMENT MARKING, MISC.: EDGE LINE, CLASS I, 5", 642 PAINT, YELLOW	60	
614	98100			2435	3130		2661	2403	1482		2540	2580		4582	21813	FT	WORK ZONE PAVEMENT MARKING, MISC.: CHANNELIZING LINE, CLASS I, 10" PAINT	60	
614	98100			585	873		522	127	182		490	112		489	3380	FT	WORK ZONE PAVEMENT MARKING, MISC.: DOTTED LINE, CLASS I, 5", 642 PAINT, WHITE	60	
614	98100			270					152					122	122	FT	WORK ZONE PAVEMENT MARKING, MISC.: DOTTED LINE, CLASS I, 5", 642 PAINT, YELLOW	60	
614	98100			106	154		134	56	55	47	174	157		220	1103	FT	WORK ZONE PAVEMENT MARKING, MISC.: WORK ZONE STOP LINE, 20", 642 PAINT	60	
614	98200			17	17		20	22	12		22	27		26	163	EACH	WORK ZONE PAVEMENT MARKING, MISC.: ARROW, CLASS I, 642 PAINT	60	
614	98200		1			1				1					3	EACH	WORK ZONE PAVEMENT MARKING, MISC.: LANE REDUCTION ARROW, CLASS I, 642 PAINT	60	
614	98200		4			4									8	EACH	WORK ZONE PAVEMENT MARKING, MISC.: ROUTE SHIELD SYMBOL, CLASS I, 642 PAINT	60	
615	10000														LS		ROADS FOR MAINTAINING TRAFFIC		
615	25000		2123	1357	2649	1988			868	282	1189				10456	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B		
616	10000	737													737	MGAL	WATER	60	
618	40101	11200													11200	FT	RUMBLE STRIPS, (ASPHALT CONCRETE), AS PER PLAN	65	
622	41060	1													1	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION		
622	41100		17630	1431	2656	10820			1371	548	8070			4380	46906	FT	PORTABLE BARRIER, UNANCHORED		
622	41110		80		90				321						491	FT	PORTABLE BARRIER, ANCHORED		
808	18700	120													120	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	60	
829	00100	12													12	SNMT	WORK ZONE EGRESS WARNING SYSTEM	65	

TOTALS CARRIED TO GENERAL SUMMARY SHEET

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REF NO.	SHEET NO.			LOCATION	STATION TO STATION		ITEMS															
							614	614	614	614	614	614	614	622	614	615	606	606	606	614		
							WORK ZONE PAVEMENT MARKING, MISC.; LANE REDUCTION ARROW, CLASS 1, 642 PAINT	WORK ZONE LANE LINE, CLASS 1, 6"	WORK ZONE EDGE LINE, CLASS 1, 807 PAINT, WHITE	WORK ZONE EDGE LINE, CLASS 1, 807 PAINT, YELLOW	WORK ZONE CHANNELIZING LINE, CLASS 1, 12" 807 PAINT	WORK ZONE DOTTED LINE, 6", 807 PAINT	WORK ZONE STOP LINE, 20", 642 PAINT	PORTABLE BARRIER, UNANCHORED	WORK ZONE RAISED PAVEMENT MARKER	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, TYPE T	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	WORK ZONE CROSSWALK LINE, CLASS 1, 12", 740.06, TYPE 1		
							EACH	MILE	MILE	MILE	FT	FT	FT	FT	EACH	SY	FT	EACH	EACH	FT		
PHASE 3																						
CH-1	163	TO	164	IR 70 WB	529+05	TO	539+59								27							
ELW-1	163	TO	179	IR 270 NB	1013+83	TO	1027+72			0.27												
ELW-2	164	TO	173	IR 70 WB	532+05	TO	595+21			1.20												
CH-2A	164	TO	164	RAMP F	1537+00	TO	1539+00				200											
CH-2	164	TO	164	IR 70 WB	532+46	TO	1539+00				669				17							
ELY-1	164	TO	172	IR 70 WB	532+46	TO	2586+56				1.02											
PB-1	164	TO	172	IR 70 WB	535+60	TO	579+73							4420								
ELY-2	164	TO	176	IR 70 WB	532+05	TO	638+75			1.93												
GR-1	164	TO	164	IR 70 WB	535+50	TO	538+25										213	1	1			
LL-1	164	TO	176	IR 70 WB	539+59	TO	638+75		1.89						84							
LL-2	164	TO	180	RAMP F	1528+28	TO	1537+32		0.17						8							
DLW-1A	164	TO	164	IR 70 WB-CD	1539+00	TO	1541+00					200										
TP-1	164	TO	164	IR 70 WB	533+05	TO	539+50									1189						
ELW-4	164	TO	176	IR 70 WB	1041+58	TO	638+75			2.13												
ELY-3	164	TO	180	RAMP F	1527+94	TO	1537+00				0.17											
CH-3	164	TO	164	RAMP F	1537+32	TO	1544+32					700			18							
PB-2	164	TO	170	IR 70 WB-CD	1539+42	TO	1553+66							1430								
DLW-1	164	TO	170	IR 70 WB-CD	1544+32	TO	1548+62					430			4							
LL-3	170	TO	171	IR 70 WB-CD	1548+62	TO	1567+72								16							
PB-3	170	TO	171	IR 70 WB-CD	1554+85	TO	1561+45		0.36					660								
PB-4	171	TO	172	IR 70 WB-CD	1561+35	TO	2577+23							1560								
CH-4	171	TO	172	IR 70 WB-CD	2568+01	TO	2575+87					787			20							
CH-5	171	TO	172	IR 70 WB-CD	2568+50	TO	2575+87					737			19							
ELY-4	172	TO	174	IR 70 WB-CD	2575+87	TO	1613+02				0.71											
ELW-5	172	TO	172	RAMP 5	2575+87	TO	2586+36															
DLW-2	172	TO	172	RAMP M	2577+33	TO	2581+30						397		4							
LA-1	172	TO	172	RAMP M	2581+15	TO	2581+15					1										
LL-4	172	TO	172	RAMP M	2581+30	TO	2586+32			0.10					5							
CX-1	172	TO	173	RAMP N	4587+59	TO	4588+05													164		
CH-6				NOT USED																		
CH-7				NOT USED																		
CH-8				NOT USED																		
CH-9	172	TO	173	RAMP N	4587+91	TO	591+85					389			10							
CH-10	172	TO	173	RAMP N	4587+91	TO	591+85					389			10							
ELW-6	172	TO	174	RAMP N	4587+91	TO	613+01			0.48												
ELY-5	172	TO	173	RAMP N	4587+91	TO	595+18				0.14											
SL-1	172	TO	172	RAMP N	4587+91	TO	4587+91						47									
CH-11	173	TO	173	IR 70 WB	595+21	TO	598+60					338			9							
DLW-3	173	TO	174	IR 70 WB	598+60	TO	603+35						476		4							
CH-12	173	TO	173	RAMP N	4595+18	TO	598+60					339			9							
CH-13	174	TO	174	IR 70 WB	613+11	TO	614+99					199			5							
DLW-4	174	TO	176	IR 70 WB	614+99	TO	638+75						2375		20							
CH-14	174	TO	174	RAMP N	1613+02	TO	614+99					200			6							
TOTALS CARRIED TO SUMMARY SHEET							1	2.53	4.27	3.98	6002	3878	47	8070	295	1189	213	1	1	164		

CALCULATED GMR CHECKED EMK	MAINTENANCE OF TRAFFIC SUBSUMMARY - I-70 - PHASE 3	FRA-70-22.85	75 1356
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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
										01/NHS/03	06/S>2/03							
67													611	99654	5	EACH	SANITARY SEWER MANHOLE ADJUSTED TO GRADE (SANITARY)	
																	MAINTENANCE OF TRAFFIC	
213											213		411	10000	213	CY	STABILIZED CRUSHED AGGREGATE	
3											3		601	32200	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
1.4											1.4		602	20000	1.4	CY	CONCRETE MASONRY	
1,346											858	488	606	15050	1,346	FT	GUARDRAIL, TYPE MGS	
1											1		606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
3											2	1	606	26500	3	EACH	ANCHOR ASSEMBLY, TYPE T	
46											46		611	04400	46	FT	12" CONDUIT, TYPE B	
224											224		611	05900	224	FT	15" CONDUIT, TYPE B	
122											122		611	07400	122	FT	18" CONDUIT, TYPE B	
2											2		611	98450	2	EACH	CATCH BASIN, NO. 2-2A	
1,000											1,000		614	1110	1,000	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	65
6											6		SPECIAL	61411300	6	EACH	WORK ZONE TRAFFIC SIGNAL	64
46,466											46,466		614	11630	46,466	FT	INCREASED BARRIER DELINEATION	65
42											42		614	12380	42	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
LS											LS		614	12420	LS		DETOUR SIGNING	
42											42		614	12484	42	EACH	WORK ZONE INCREASED PENALTIES SIGN	61
50											50		614	12500	50	EACH	REPLACEMENT SIGN	60
300											300		614	12600	300	EACH	REPLACEMENT DRUM	60
2,004											2,004		614	12801	2,004	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	62
915											915		614	13310	915	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	65
1,064											1,064		614	13312	1,064	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY	65
3,773											3,773		614	13350	3,773	EACH	OBJECT MARKER, ONE WAY	63
64											64		614	18601	64	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	61
15.47											15.47		614	20056	15.47	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
16											15.27	0.73	614	22056	16	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, WHITE	
15.59											14.94	0.65	614	22056	15.59	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, YELLOW	
36,644											36,590	54	614	23110	36,644	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
10,903											10,903		614	24102	10,903	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
47											47		614	26400	47	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	
364											364		614	27070	364	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE I	
4												4	614	31200	4	EACH	WORK ZONE WORD ON PAVEMENT, 72", CLASS I, 642 PAINT	
8												8	614	31650	8	EACH	WORK ZONE WORD ON PAVEMENT, 96", CLASS I, 642 PAINT	
3.64												3.64	614	98000	3.64	MILE	WORK ZONE PAVEMENT MARKING, MISC.:LANE LINE, CLASS I, 5" 642 PAINT	60
2.89												2.89	614	98000	2.89	MILE	WORK ZONE PAVEMENT MARKING, MISC.:CENTER LINE, CLASS I, 5" 642 PAINT, DOUBLE SOLID	60
4												4	614	98000	4	MILE	WORK ZONE PAVEMENT MARKING, MISC.:EDGE LINE, CLASS I, 5" 642 PAINT, WHITE	60
1.47												1.47	614	98000	1.47	MILE	WORK ZONE PAVEMENT MARKING, MISC.:EDGE LINE, CLASS I, 5" 642 PAINT, YELLOW	60
21,813											21,813		614	98100	21,813	FT	WORK ZONE PAVEMENT MARKING, MISC.:CHANNELIZING LINE, CLASS I, 10" PAINT	60
3,380											3,380		614	98100	3,380	FT	WORK ZONE PAVEMENT MARKING, MISC.:DOTTED LINE, 5", 642 PAINT, WHITE	60
422												422	614	98100	422	FT	WORK ZONE PAVEMENT MARKING, MISC.:DOTTED LINE, 5" 642 PAINT, YELLOW	60
1,103												1,103	614	98100	1,103	FT	WORK ZONE PAVEMENT MARKING, MISC.:WORK ZONE STOP LINE, 20", 642 PAINT	60
163												163	614	98200	163	EACH	WORK ZONE PAVEMENT MARKING, MISC.:ARROW, CLASS I, 642 PAINT	60
3											3		614	98200	3	EACH	WORK ZONE PAVEMENT MARKING, MISC.:LANE REDUCTION ARROW, CLASS I, 642 PAINT	60
8											8		614	98200	8	EACH	WORK ZONE PAVEMENT MARKING, MISC.:ROUTE SHIELD SYMBOL, CLASS I, 642 PAINT	
LS											LS	LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
10,456											4,111	6,345	615	25000	10,456	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
737											737		616	10000	737	MGAL	WATER	60
11,200											11,200		618	40101	11,200	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	65
1											1		622	41060	1	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	
46,906											39,620	7,286	622	41100	46,906	FT	PORTABLE BARRIER, UNANCHORED	
491												411	622	41100	491	FT	PORTABLE BARRIER, ANCHORED	
120											120		808	18700	120	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	60
12											12		829	00100	12	SNMT	WORK ZONE EGRESS WARNING SYSTEM	65
																	INCIDENTALS	
											LS		108	10000	LS		CPM PROGRESS SCHEDULE	
											5,500		SPECIAL	1110100	5,500	EACH	DEPARTMENTS SHARE FACILITATED PARTNERING COSTS	
											LS		614	11000	LS		MAINTAINING TRAFFIC	
											35		619	16020	35	MNTH	FIELD OFFICE, TYPE C	59
											LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

FRA-70-22.85

CALCULATED
TGW
CHECKED
SUB

232
1356

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