

MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE TEN FOOT BIDIRECTIONAL LANE SHALL BE MAINTAINED ON THE EXISTING PAVEMENT AND COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
2. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.
3. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.
4. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS ONE [1] MILE.
5. FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 6-8AM AND 3-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
6. IN ADDITION TO THE REQUIREMENTS OF 614.11 WORK ZONE PAVEMENT MARKINGS, AT THE END OF EACH DAY OF WORK, THE CONTRACTOR SHALL REPLACE (WITH WORK ZONE MARKINGS) ALL LANE, CENTER, STOP OR CHANNELIZING LINES THAT WERE REMOVED OR COVERED DURING THE PAVEMENT REMOVAL OR PLACEMENT OPERATIONS. QUANTITIES FOR SUCH PLACEMENT ARE CARRIED AS PART OF THE ITEMS LISTED UNDER 614 WORK ZONE PAVEMENT MARKINGS.
7. A QUANTITY OF 20 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
8. PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.
9. THE CONTRACTOR SHALL PLACE THE SIGNS: W8-1 [BUMP] PER OMUTCD 2C.28; W8-11 [UNEVEN LANES] PER OMUCTD 6F.45; AND W6-3 [TWO-WAY TRAFFIC] PER OMUTCD 6F.32. PAYMENT FOR THESE SIGNS SHALL BE INCIDENTAL TO THE LUMP SUM ITEM 614- MAINTAINING TRAFFIC. A QUANTITY OF ITEM 614 WORK ZONE MARKING SIGNS HAS BEEN INCLUDED IN THE PLANS PER CMS 614.04.

THE FOLLOWING QUANTITIES SHALL BE USED FOR THE MAINTENANCE OF TRAFFIC ON THIS PROJECT:

PORTAGE SR 305 (SLM 5.65 TO 7.36)

PHASE I: MILLED SURFACE
614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 1.71 MI
614, WORK ZONE MARKING SIGN (ALL PHASES), 24 EACH

PHASE II: SURFACE COURSE
614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT, 1.71 MI

TO BE USED AS DIRECTED BY THE ENGINEER
614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT, 3.42 MI

Quantity Revised

TRUMBULL SR 305 (SLM 0.00 TO 1.57)

PHASE I: MILLED SURFACE
614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 1.57 MI
614, WORK ZONE STOP LINE, CLASS I, 642 PAINT, 12 FT

PHASE II: SURFACE COURSE
614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT, 1.57 MI
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT, 12 FT

TO BE USED AS DIRECTED BY THE ENGINEER
614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT, 3.14 MI

Quantity Revised

TRUMBULL SR 534 (SLM 10.41 TO 12.48)

PHASE I: MILLED SURFACE
614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 2.07 MI
614, WORK ZONE STOP LINE, CLASS I, 642 PAINT, 22 FT

PHASE II: INTERMEDIATE COURSE
614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 2.07 MI
614, WORK ZONE STOP LINE, CLASS I, 642 PAINT, 22 FT

PHASE III: SURFACE COURSE
614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT, 2.07 MI
614, WORK ZONE STOP LINE, CLASS III, 642 PAINT, 22 FT

TRAFFIC CONTROL INSPECTOR

THE CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL OTHER THAN THE SUPERINTENDENT AND SUBJECT TO THE APPROVAL OF THE ENGINEER, TO CONTINUOUSLY INSPECT ALL TRAFFIC CONTROL DEVICES WHENEVER CONSTRUCTION WORK IS BEING PERFORMED WITHIN THE WORK LIMITS OF THE PROJECT. THE DESIGNATED INDIVIDUAL SHALL ALSO INSPECT ALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REPRESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISSING TRAFFIC CONTROL DEVICES. THESE INDIVIDUALS SHALL BE EQUIPPED WITH CELLULAR PHONES AND THEIR NAMES AND PHONE NUMBERS SHALL BE GIVEN TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION MEETING. THE DESIGNATED INDIVIDUAL MAY HAVE OTHER CONSTRUCTION RELATED DUTIES AS LONG AS IMMEDIATE ATTENTION IS GIVEN TO TRAFFIC CONTROL. PAYMENT FOR THE SERVICES OF THE TRAFFIC CONTROL INSPECTOR SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

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 SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

Items Added

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.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
ROAD & RAMP CLOSURES	>= 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	2 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERNS CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

ADVANCED NOTICE TO PAVE

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE DISTRICT CONSTRUCTION ENGINEER A DETAILED SCHEDULE 15 DAYS PRIOR TO THE PLACEMENT OF THE OVERLAY COURSES, ON HOW THEY PROPOSE TO PROSECUTE THE PAVING OPERATIONS. THE DETAILS SHALL SHOW THE ORDER OF PERFORMANCE OF EACH STAGE (START TO FINISH) OF THE WORK INCLUDING THE MAINTENANCE OF TRAFFIC THAT WILL BE USED.

TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 5 CONSECUTIVE CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$3,000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMIT.

Quantity Revised

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	7	8	9	10	12	13		01/STR/P	EXT	TOTAL							
ROADWAY																			
						28	32			60	202	23500	60	SY	WEARING COURSE REMOVED				
34										34	203	10000	34	CY	EXCAVATION				
	403									403	209	60200	403	STA	LINEAR GRADING				
					347	219				566	209	72000	566	STA	PREPARING SUBGRADE FOR SHOULDER PAVING				
	1									1	623	39501	1	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	5			
EROSION CONTROL																			
		22,390								22,390	659	14000	22,390	SY	REPAIR SEEDING AND MULCHING				
		3.02								3.02	659	20000	3.02	TON	COMMERCIAL FERTILIZER				
		4.62								4.62	659	31000	4.62	ACRE	LIME				
		121								121	659	35000	121	MGAL	WATER				
										1,000	832	30000	1,000	EACH	EROSION CONTROL				
PAVEMENT																			
	5,500									5,500	251	01000	5,500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)				
	1,200									1,200	252	01500	1,200	FT	FULL DEPTH PAVEMENT SAWING				
	200									200	253	01000	200	SY	PAVEMENT REPAIR				
							33,106			33,106	254	01000	33,106	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 2")				
	34									34	304	20001	34	CY	AGGREGATE BASE, AS PER PLAN	4			
						3,889	4,305			8,194	407	20000	8,194	GAL	NON-TRACKING TACK COAT				
						3,079	1,944			5,023	408	10001	5,023	GAL	PRIME COAT, AS PER PLAN @ 0.4 GAL/SY	5			
						1,365	936			2,301	424	12001	2,301	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN (T = 1")	4			
							920			920	441	50200	920	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T = 1")				
							428	270		698	617	10101	698	CY	COMPACTED AGGREGATE, AS PER PLAN(T = 2")	5			
							48,612			48,612	897	01010	48,612	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A(T = 1")				
WATER WORK																			
	2									2	638	10801	2	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	5			
TRAFFIC CONTROL																			
							394			394	621	00100	394	EACH	RPM				
							291			291	621	54000	291	EACH	RAISED PAVEMENT MARKER REMOVED				
								10.7		10.7	646	10010	10.7	MILE	EDGE LINE, 6"				
								5.35		5.35	646	10200	5.35	MILE	CENTER LINE				
								34		34	646	10400	34	FT	STOP LINE				
								2		2	646	20110	2	EACH	SCHOOL SYMBOL MARKING, 96"				
TRAFFIC SIGNALS																			
					2					2	809	69101	2	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	8			
MAINTENANCE OF TRAFFIC																			
			12							12	614	11110	12	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE				
Quantity Revised		24								24	614	12460	24	EACH	WORK ZONE MARKING SIGN				
		20								20	614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC				
			6							6	614	18001	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7			
		7.42								7.42	614	21100	7.42	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT				
		5.35								5.35	614	21550	5.35	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT				
		14.8								14.8	614	22360	14.8	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT				
		56								56	614	26200	56	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT				
Quantities Revised		34								34	614	26610	34	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT				
INCIDENTALS																			
										LS	614	11000	LS		MAINTAINING TRAFFIC				
										6	619	16010	6	MNTH	FIELD OFFICE, TYPE B				
										LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING				
										LS	624	10000	LS		MOBILIZATION				

CALCULATED PD
 CHECKED XXX
GENERAL SUMMARY
 POR / TRU
 305 / 534-5.65 / VAR
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