

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 LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
3. 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.
4. TRUCK MOUNTED ATTENUATORS [TMA'S] SHALL BE USED AS SHOWN IN THE STANDARD CONSTRUCTION DRAWINGS.
5. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE PERMITTED TO HAVE SUCCESSIVE WORK ZONES UNLESS THE DISTANCE BETWEEN THE DRUMS, BARRICADES OR CONES EXCEEDS TWO (2) MILES.
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.
10. THE CONTRACTOR SHALL SET A WORK ZONE AT THE REQUEST OF THE ENGINEER TO ALLOW THE LAYOUT OF THE PARTIAL/FULL DEPTH PAVEMENT REPAIR AREAS. THIS WORK IS INCIDENTAL TO ITEM 614 MAINTAINING TRAFFIC.

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

SR 183, SLM 6.47-15.40
 PHASE 1: MILLED SURFACE
 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 8.73 MILE
 614, WORK ZONE STOP LINE, CLASS I, 642 PAINT, 27 FT
 614, WORK ZONE MARKING SIGN,(ALL PHASES) 40 EACH

PHASE 2: SURFACE COURSE
 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT, 8.73 MILE
 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT, 27 FT

TO BE USED AS DIRECTED BY THE ENGINEER
 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT, 17.86 MILE

SR 183, SLM 15.40-16.40
 PHASE 1: MILLED SURFACE
 614, WORK ZONE CENTER LINE, CLASS I, 642 PAINT, 1 MILE
 614, WORK ZONE STOP LINE, CLASS I, 642 PAINT, 27 FT

PHASE 2: SURFACE COURSE
 614, WORK ZONE CENTER LINE, CLASS III, 642 PAINT, 1 MILE
 614, WORK ZONE STOP LINE, CLASS III, 642 PAINT, 27 FT

TO BE USED AS DIRECTED BY THE ENGINEER
 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT, 2.00 MILE

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.

TIME LIMITATION, TRAFFIC ON A MILLED SURFACE

THE MAXIMUM ALLOWABLE TIME FOR TRAFFIC TO BE PLACED ON A MILLED SURFACE SHALL BE 7 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.

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

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

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.

IN GENERAL LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONE.

THE LEOS WORK AT THE DIRECTION OF THE ENGINEER. 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

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 100 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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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 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.

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 CLCURE	NOTICE DUE TO PERMITS & PIO
ROAD & RAMP CLOSURES	>= 2WEEKS	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	5 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.




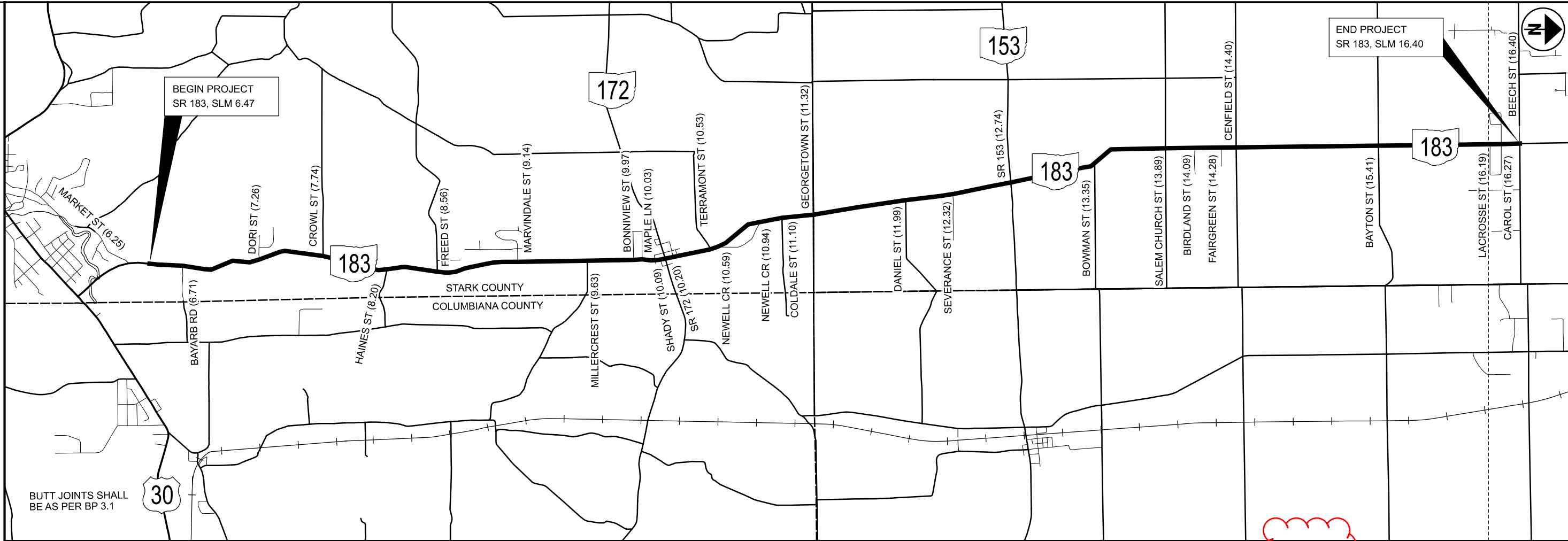
SHEET NUM.								PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	6	8	9	10	11	01/STR/PV	02/S5K/PV						
ROADWAY															
				340				293	47	202	23500	340	SY	WEARING COURSE REMOVED	
					99				99	202	30000	99	SF	WALK REMOVED	
809				525				728	81	209	60200	809	STA	LINEAR GRADING	
					247			472	53	209	72000	525	STA	PREPARING SUBGRADE FOR SHOULDER PAVING (SAFETY EDGE)	
									247	608	52000	247	SF	CURB RAMP	
	9							6	3	623	39501	9	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	
EROSION CONTROL															
22,473								20,223	2,250	659	10000	22,473	SY	SEEDING AND MULCHING	
3.03								2.73	0.3	659	20000	3.03	TON	COMMERCIAL FERTILIZER	
4.64								4.18	0.46	659	31000	4.64	ACRE	LIME	
121.35								109.2	12.15	659	35000	121.35	MGAL	WATER	
								3,000		832	30000	3,000	EACH	EROSION CONTROL	
DRAINAGE															
2									2	611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE	
100									100	SPECIAL	61199820	100	LB	MISCELLANEOUS METAL	
PAVEMENT															
1,500								1,350	150	251	01000	1,500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
				15,184				13,533	1,652	407	20000	15,184	GAL	NON-TRACKING TACK COAT	
				9,321				8,383	939	408	10001	9,321	GAL	PRIME COAT, AS PER PLAN	
				4,874				4,347	528	424	14001	4,874	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448), AS PER PLAN	
					30				30	609	26000	30	FT	CURB, TYPE 6	
				1,295				1,165	131	617	10101	1,295	CY	COMPACTED AGGREGATE, AS PER PLAN	
16.54								16.54		618	41000	16.54	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
87,332								87,332		874	20000	87,332	FT	LONGITUDINAL JOINT PREPARATION	
				174,226				155,423	18,803	897	01010	174,226	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T=1")	
TRAFFIC CONTROL															
						855		773	82	621	00100	855	EACH	RPM	
						685		619	66	621	54000	685	EACH	RAISED PAVEMENT MARKER REMOVED	
							19.46	17.46	2	646	10010	19.46	MILE	EDGE LINE, 6"	
							9.73	8.73	1	646	10200	9.73	MILE	CENTER LINE	
							131	70	61	646	10400	131	FT	STOP LINE	
MAINTENANCE OF TRAFFIC															
		100						90	10	614	11110	100	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		40						40		614	12460	40	EACH	WORK ZONE MARKING SIGN	
		20						18	2	614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			8					7	1	614	18600	8	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
		9.73						8.73	1	614	21000	9.73	MILE	WORK ZONE CENTER LINE, CLASS I	
		9.73						8.73	1	614	21550	9.73	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
		19.86						17.86	2	614	22360	19.86	MILE	WORK ZONE EDGE LINE, CLASS III, 6" 642 PAINT	
		54						27	27	614	26000	54	FT	WORK ZONE STOP LINE, CLASS I	
		54						27	27	614	26610	54	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
INCIDENTALS															
								LUMP		614	11000	6	LS	MAINTAINING TRAFFIC	
								6		619	16010	6	MNTH	FIELD OFFICE, TYPE B	
								LUMP		623	10000	6	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
								LUMP		624	10000	6	LS	MOBILIZATION	

added item

adjusted quantity

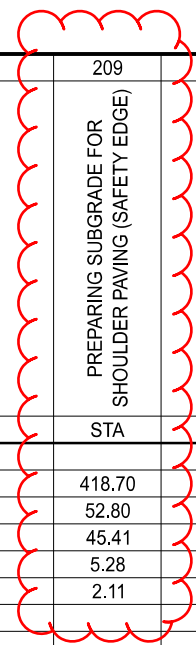
GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 CMW
 REVIEWER
 MJA 10-27-21
 PROJECT ID
 110675
 SHEET TOTAL
 P.7 11



BUTT JOINTS SHALL BE AS PER BP 3.1

SLM RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	202		407		408		424		617		897		209			
							WEARING COURSE REMOVED	NON-TRACKING TACK COAT @ 0.09 GAL/SY	PRIME COAT, AS PER PLAN @ 0.4 GAL/SY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448), AS PER PLAN (T=1")	COMPACTED AGGREGATE, AS PER PLAN (T=2")	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A (T=1")	PREPARING SUBGRADE FOR SHOULDER PAVING (SAFETY EDGE)	SY	GAL	CY	CY	SY	STA			
SR 183																						
6.47	TO	14.40	1	NB/SB	41870.40	28.00	130263.47															
14.40	TO	15.40	1	NB/SB	5280.00	30.00	17600.00															
15.40	TO	16.26	1	NB/SB	4540.80	30.00	15136.00															
16.26	TO	16.36	1	NB/SB	528.00	32.00	1877.33															
16.36	TO	16.40	1	NB/SB	211.20	36.00	844.80															
INTERSECTIONS																						
6.47	TO	15.40					2200.21															
15.40	TO	16.40					439.91															
MAILBOX APPROACHES																						
6.47	TO	15.40					5358.54															
15.40	TO	16.40					504.79															
DRIVEWAYS																						
6.47	TO	15.40					293.00	293.00	26.37				29.30									
15.40	TO	16.40					47.00	47.00	4.23				4.70									
SUBTOTALS							0.00	340.00	0.00	15183.15	0.00	9320.96	0.00	4873.58	0.00	1294.58	0.00	174225.05	0.00	524.30	0.00	0.00
TOTALS CARRIED TO GENERAL SUMMARY							0	340	0	15184	0	9321	0	4874	0	1295	0	174226	0	525	0	0



added item