

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION, IN SECTIONS OF NO MORE THAN 2 MILES IN LENGTH SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

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 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 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 DRIVEABLE 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
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

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

THE CONTRACTOR SHALL ARRANGE FOR ALL MAINTENANCE OF TRAFFIC OPERATIONS SUCH THAT THERE WILL BE NO OBSTRUCTIONS TO THE CONTINUOUS FLOW OF TRAFFIC. ALL INTERSECTIONS AND DRIVEWAYS SHALL BE OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE SHOWN IN THE PLAN.

ITEM 614, MAINTAINING TRAFFIC (cont'd)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS UNLESS PORTABLE BARRIER IS IN PLACE:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

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 OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

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

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
1 LANE EB & WB OF ADA-SR 32 FROM SLM 6.73 TO SLM 18.75	EACH MINUTE	\$75.00

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.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 50 CY

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS.

ITEM 614, MAINTAINING TRAFFIC (cont'd)

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.

THE FOLLOWING IS A SUGGESTED PHASING SEQUENCE FOR MAINTENANCE OF TRAFFIC AND CONSTRUCTION FOR THE THIS PROJECT. FOR DETAILS NOT SHOWN ON THESE PLANS, CONSULT THE APPROPRIATE STANDARD CONSTRUCTION DRAWINGS.

PHASE 1
SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND PERFORM PAVEMENT PLANING AND RESURFACING ON THE EXISTING SHOULDERS AS DISCUSSED ON THIS SHEET.

PHASE 2
SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND MT-95.40 AND AS SHOWN ON SHEETS 8-12 TO CLOSE THE DRIVING LANES OF BOTH EASTBOUND AND WESTBOUND TRAFFIC ON S.R. 32. CONSTRUCT PHASE I PORTION OF STRUCTURES ADA-32-0927 AND ADA-32-1182 L&R WITH THE EXCEPTION OF THE ASPHALT CONCRETE SURFACE COURSE. ADDITIONALLY PERFORM THE FULL DEPTH PAVEMENT REPAIRS AS SHOWN ON SHEETS ABOVE.

PHASE 3
SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND MT-95.40 AND AS SHOWN ON SHEETS 13-18 TO CLOSE THE PASSING LANES OF BOTH EASTBOUND AND WESTBOUND TRAFFIC ON S.R. 32. CONSTRUCT PHASE II PORTION OF STRUCTURES ADA-32-0927 AND ADA-32-1182 L&R WITH THE EXCEPTION OF THE ASPHALT CONCRETE SURFACE COURSE. ADDITIONALLY PERFORM THE FULL DEPTH PAVEMENT REPAIRS AS SHOWN ON ABOVE SHEETS.

PHASE 4
SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND PERFORM PAVEMENT PLANING, PLACE REMAINING ASPHALT CONCRETE COURSES, AND PLACE THE PERMANENT PAVEMENT MARKINGS.

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	<u>12</u>	EACH
ITEM 614, WORK ZONE, LANE LINE, CLASS III, 6"	<u>25.30</u>	MILE
ITEM 614, WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE 1	<u>2.27</u>	MILE
ITEM 614, WORK ZONE, CHANNELIZING LINE, CLASS III, 12", 642 PAINT	<u>380</u>	FT
ITEM 614, WORK ZONE, DOTTED LINE, CLASS I, 4", 740.06 TYPE I	<u>2640</u>	FT

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 1 M. GAL.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

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SHEET NUMBER	ROUTE	PHASE/LOCATION	REFERENCE	STATION		254	407	441	614	614	614	614	614	614	614	622							
				FROM	TO	SY	GALLON	CY	FT	EACH	EACH	EACH	MILE	MILE	FT	FT							
PHASE 2																							
8	SR-32	EASTBOUND	DL-1	475+62	484+62																900		
8		EASTBOUND	ELW-1	475+62	493+73										0.35								
8		EASTBOUND	ELY-1	484+62	495+00								0.20										
8		EASTBOUND	PP-1	484+00	495+00	245	21	9															
10		EASTBOUND	DL-3	613+00	618+29																529		
10-12		EASTBOUND	ELW-3	613+00	676+40										1.21								
10		EASTBOUND	ELY-3	619+55	630+55								0.21										
10		EASTBOUND	PP-3	619+55	630+55	245	21	9															
11,12		EASTBOUND	ELY-6	635+20	677+90								0.81										
11,12		EASTBOUND	PP-6	635+20	677+90	949	81	33															
12		EASTBOUND	PB-1, ATT-1	664+97	670+12				515	1	12	12									515		
12		EASTBOUND	PB-2, ATT-2	673+05	676+40				335	1	8	8									335		
8, 9		WESTBOUND	ELY-2	489+00	503+95								0.29										
8, 9		WESTBOUND	ELW-2	490+00	506+75									0.32									
8, 9		WESTBOUND	PP-2	489+00	503+95	333	29	12															
9		WESTBOUND	DL-2	503+95	506+75																280		
10		WESTBOUND	ELY-4	623+00	632+80								0.19										
10		WESTBOUND	PP-4	623+00	632+80	218	19	8															
10-12		WESTBOUND	ELW-4	624+40	691+11									1.27									
11,12		WESTBOUND	ELY-5	636+83	683+80								0.89										
11,12		WESTBOUND	PP-5	636+83	683+80	1044	89	37															
12		WESTBOUND	PB-3, ATT-3	675+34	678+70				336	1	8	8									336		
12		WESTBOUND	DL-4	682+21	691+11																890		
PHASE 3																							
13		EASTBOUND	DL-5	475+62	483+79																817		
13		EASTBOUND	ELY-7	475+62	494+00								0.35										
13		EASTBOUND	ELW-5	483+79	495+00									0.22									
13		EASTBOUND	PP-7	483+79	495+00	250	22	9															
15		EASTBOUND	DL-7	613+00	618+00																500		
15		EASTBOUND	ELY-9	613+00	676+40								1.21										
15-17		EASTBOUND	ELW-7	619+25	678+82									1.13									
15-17		EASTBOUND	PP-9	619+25	678+82	1324	113	46															
17		EASTBOUND	PB-4, ATT-4	664+60	670+12				552	1	13	13									552		
17		EASTBOUND	PB-5, ATT-5	672+55	676+40				385	1	9	9									385		
12, 13		WESTBOUND	ELW-6	489+00	505+00									0.31									
12, 13		WESTBOUND	PP-8	489+00	505+00	356	31	13															
12, 13		WESTBOUND	ELY-8	490+00	506+49								0.32										
13		WESTBOUND	PP-8	502+78	506+49	83	8	3															
14		WESTBOUND	DL-6	503+00	506+49																349		
15-17		WESTBOUND	ELW-8	623+04	687+18									1.22									
15-17		WESTBOUND	PP-10	623+04	687+18	1426	122	50															
15-18		WESTBOUND	ELY-10	624+40	694+16								1.33										
17		WESTBOUND	PB-6, ATT-6	675+34	679+19				385	1	9	9									385		
17		WESTBOUND	DL-8	687+18	694+16																698		
SUB TOTALS														5.80	6.03								
TOTALS CARRIED TO GENERAL SUMMARY						6473	556	229	2508	6	59	59		11.83	4963	2508							

MAINTENANCE OF TRAFFIC SUB-SUMMARY	CALCULATED BCB CHECKED DMB
ADA -32-6.7.3	19 52

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SHEET NUM.								PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	19	24	25	26	27	29		01/NHS/PV	02/NHS/BR	03/NHS/OT	04/SAE/OT						
ROADWAY																	
								LS				201	11000	LS	CLEARING AND GRUBBING	3	
						22,013.5				22,013.5		202	38000	22,013.5	FT	GUARDRAIL REMOVED	
						182				182		202	38300	182	FT	GUARDRAIL REMOVED, BARRIER DESIGN	
						2				2		202	42000	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A	
						18				18		202	42010	18	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
						25				25		202	42040	25	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
						1				1		202	42050	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
						26				26		202	47000	26	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
						4				4		202	47800	4	EACH	IMPACT ATTENUATOR REMOVED	
		2,496						2,496				203	10000	2,496	CY	EXCAVATION	
		7,293						7,293				204	10000	7,293	SY	SUBGRADE COMPACTION	
						9,006				9,006		203	40000	9,006	CY	BORROW	
		1,295						1,295				204	20000	1,295	CY	EMBANKMENT	
						244				244		209	60201	244	STA	LINEAR GRADING, AS PER PLAN	
						20,400				20,400		606	15050	20,400	FT	GUARDRAIL, TYPE MGS	
						533				533		606	15100	533	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
						150				150		606	15550	150	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS	
						21				21		606	26100	21	EACH	ANCHOR ASSEMBLY, TYPE E	
						26				26		606	26500	26	EACH	ANCHOR ASSEMBLY, TYPE T	
						4				4		606	35000	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	
						1				1		606	35100	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	
						21				21		606	35140	21	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
						4				4		606	60012	4	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)	
EROSION CONTROL																	
67,778										67,778		659	10000	67,778	SY	SEEDING AND MULCHING	
3,389										3,389		659	14000	3,389	SY	REPAIR SEEDING AND MULCHING	
9.15										9.15		659	20000	9.15	TON	COMMERCIAL FERTILIZER	
14										14		659	31000	14	ACRE	LIME	
366										366		659	35000	366	MGAL	WATER	
PAVEMENT																	
200								200				251	01021	200	SY	PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN	
			216					216				252	01500	216	FT	FULL DEPTH PAVEMENT SAWING	
	6,473							6,473				254	01001	6,473	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 1.25"	
			600					600				301	46000	600	CY	ASPHALT CONCRETE BASE, PG64-22	
			416					416				304	20000	416	CY	AGGREGATE BASE	
	229		194					423				441	50000	423	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
400								400				617	10100	400	CY	COMPACTED AGGREGATE	
2								2				SPECIAL	64440000	2	EACH	AIR SPEED ZONE MARKING	
	556	47,822	198					48,576				407	10000	48,576	GAL	TACK COAT	
		15,629						15,629				424	12000	15,629	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B	
						9,784		9,784				617	98000	9,784	SY	SHOULDER RECONDITIONING, MISC.:4" COMPACTED ASPHALT CONCRETE GRINDINGS	
			52.24					52.24				618	40600	52.24	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
						77.55				77.55		850	10010	77.55	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
						1.32				1.32		850	20010	1.32	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
		562,610						562,610				897	01010	562,610	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A. 0.75"	
11,893								11,893				897	02000	11,893	SY	PATCHING PLANED SURFACE	
TRAFFIC CONTROL																	
						1,732		1,732				621	00100	1,732	EACH	RPM	
						1,732		1,732				621	54000	1,732	EACH	RAISED PAVEMENT MARKER REMOVED	
						54		54				626	00102	54	EACH	BARRIER REFLECTOR, TYPE 1, BI-DIRECTIONAL	
						222		222				626	00112	222	EACH	BARRIER REFLECTOR, TYPE 3, BI-DIRECTIONAL	
		6						6				632	26500	6	EACH	DETECTOR LOOP	
						666		666				644	00500	666	FT	STOP LINE	

GENERAL SUMMARY

ADA -32-6.73

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SHEET NUM.					PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	BCB CHECKED	DMB
	26	27	41		01/NHS/PV	02/NHS/BR	03/NHS/OT	04/SAE/OT									
TRAFFIC CONTROL																	
		155			155				644	00700	155	FT	TRANSVERSE/DIAGONAL LINE				
		164			164				644	00900	164	SF	ISLAND MARKING				
		10			10				644	01300	10	EACH	LANE ARROW				
	0.88							0.88	807	12010	0.88	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, EDGE LINE, 6"				
	0.44							0.44	807	12110	0.44	MILE	WET REFLECTIVE EPOXY PAVEMENT MARKING, LANE LINE, 6"				
	51.7							51.7	807	13010	51.7	MILE	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"				
	25.85							25.85	807	13110	25.85	MILE	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6"				
		1,379						1,379	807	13310	1,379	FT	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"				
		11,348						11,348	807	13410	11,348	FT	WET REFLECTIVE SPRAY THERMOPLASTIC PAVEMENT MARKING, DOTTED LINE, 6"				
STRUCTURE OVER 20 FOOT SPAN (ADA-32-0927 L)																	
			LS		LS				202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	40			
			491		491				202	38001	491	FT	GUARDRAIL REMOVED, AS PER PLAN	4			
			67		67				407	10000	67	GAL	TACK COAT				
			89		89				407	13900	89	GAL	TACK COAT, 702.13				
			16		16				424	12000	16	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B				
			414		414				509	10000	414	LB	EPOXY COATED REINFORCING STEEL				
			121		121				510	10001	121	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	40			
			2		2				511	34410	2	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE				
			69		69				513	10200	69	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF				
			121.2		121.2				516	11211	121.2	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	40			
			122		122				516	31010	122	FT	2" DEEP JOINT SEALER				
			10		10				516	45305	10	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	40			
			LS		LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	40			
			508		508				517	75600	508	FT	DEEP BEAM BRIDGE RETROFIT RAILING				
			619.45		619.45				SPECIAL	51822300	619.45	FT	STEEL DRIP STRIP	40			
			491		491				606	13001	491	FT	GUARDRAIL, TYPE 5, AS PER PLAN	4			
			1,106		1,106				SPECIAL	69098300	1,106	SY	ASPHALT CONCRETE MICROMILLING	40			
			46		46				856	10000	46	CY	BRIDGE DECK WATERPROOFING ASPHALT CONCRETE				
STRUCTURE OVER 20 FOOT SPAN (ADA-32-0927 R)																	
			LS		LS				202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	40			
			491		491				202	38001	491	FT	GUARDRAIL REMOVED, AS PER PLAN	4			
			67		67				407	10000	67	GAL	TACK COAT				
			89		89				407	13900	89	GAL	TACK COAT, 702.13				
			16		16				424	12000	16	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B				
			414		414				509	10000	414	LB	EPOXY COATED REINFORCING STEEL				
			121		121				510	10001	121	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	40			
			2		2				511	34410	2	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE				
			69		69				513	10200	69	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF				
			121.2		121.2				516	11211	121.2	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	40			
			122		122				516	31010	122	FT	2" DEEP JOINT SEALER				
			10		10				516	45305	10	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	40			
			LS		LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	40			
			508		508				517	75600	508	FT	DEEP BEAM BRIDGE RETROFIT RAILING				
			619.45		619.45				SPECIAL	51822300	619.45	FT	STEEL DRIP STRIP	40			
			491		491				606	13001	491	FT	GUARDRAIL, TYPE 5, AS PER PLAN	4			
			1,106		1,106				SPECIAL	69098300	1,106	SY	ASPHALT CONCRETE MICROMILLING	40			
			46		46				856	10000	46	CY	BRIDGE DECK WATERPROOFING ASPHALT CONCRETE				

GENERAL SUMMARY

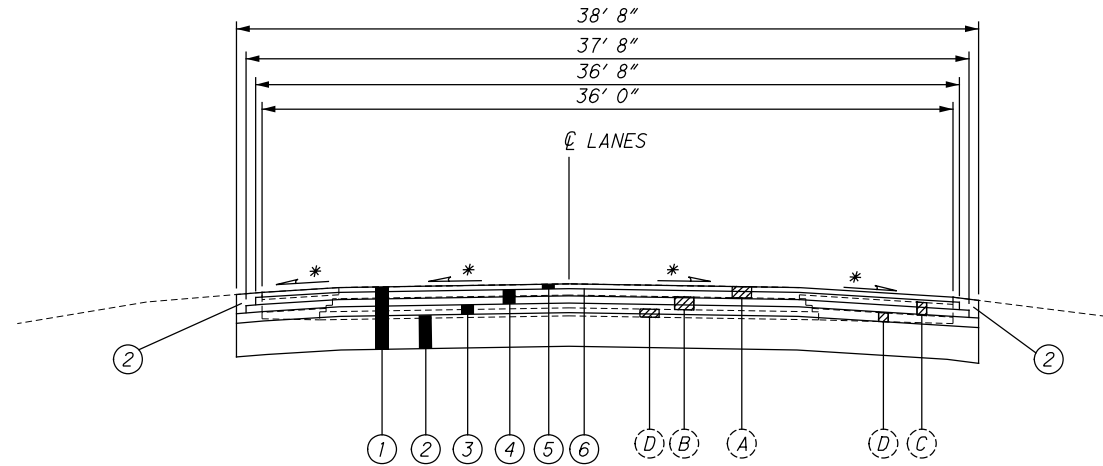
ADA - 32 - 6.73

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	7	19	29	38	48	01/NHS/PV	02/NHS/BR	03/NHS/OT	04/SAE/OT									
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1182 L)																			
						LS		LS				202	11203	LS			PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	47	
						638		638				202	38000	638	FT		GUARDRAIL REMOVED		
						85		85				407	10000	85	GAL		TACK COAT		
						113		113				407	13900	113	GAL		TACK COAT, 702.13		
						20		20				424	12000	20	CY		FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B		
						254		254				509	10000	254	LB		EPOXY COATED REINFORCING STEEL		
						80		80				510	10001	80	EACH		DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	47	
						1		1				511	34410	1	CY		CLASS QC2 CONCRETE, SUPERSTRUCTURE		
						79.67		79.67				516	11211	79.67	FT		STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	47	
						80		80				516	31010	80	FT		2" DEEP JOINT SEALER		
						638		638				517	75600	638	FT		DEEP BEAM BRIDGE RETROFIT RAILING		
						784.33		784.33				SPECIAL	51822300	784.33	FT		STEEL DRIP STRIP	47	
						638		638				606	13001	638	FT		GUARDRAIL, TYPE 5, AS PER PLAN	4	
						1,403		1,403				SPECIAL	69098300	1,403	SY		ASPHALT CONCRETE MICROMILLING	47	
						59		59				856	10000	59	CY		BRIDGE DECK WATERPROOFING ASPHALT CONCRETE		
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1182 R)																			
						LS		LS				202	11203	LS			PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	47	
						638		638				202	38000	638	FT		GUARDRAIL REMOVED		
						85		85				407	10000	85	GAL		TACK COAT		
						113		113				407	13900	113	GAL		TACK COAT, 702.13		
						20		20				424	12000	20	CY		FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B		
						254		254				509	10000	254	LB		EPOXY COATED REINFORCING STEEL		
						80		80				510	10001	80	EACH		DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	47	
						1		1				511	34410	1	CY		CLASS QC2 CONCRETE, SUPERSTRUCTURE		
						79.67		79.67				516	11211	79.67	FT		STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	47	
						80		80				516	31010	80	FT		2" DEEP JOINT SEALER		
						638		638				517	75600	638	FT		DEEP BEAM BRIDGE RETROFIT RAILING		
						784.33		784.33				SPECIAL	51822300	784.33	FT		STEEL DRIP STRIP	47	
						638		638				606	13001	638	FT		GUARDRAIL, TYPE 5, AS PER PLAN	4	
						1,403		1,403				SPECIAL	69098300	1,403	SY		ASPHALT CONCRETE MICROMILLING	47	
						59		59				856	10000	59	CY		BRIDGE DECK WATERPROOFING ASPHALT CONCRETE		
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1699 L)																			
						83		83				512	10300	83	SY		SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
						830		830				512	10400	830	SY		TREATING OF CONCRETE BRIDGE DECK WITH SRS		
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1699 R)																			
						83		83				512	10300	83	SY		SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
						830		830				512	10400	830	SY		TREATING OF CONCRETE BRIDGE DECK WITH SRS		
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1942 L)																			
						103		103				512	10300	103	SY		SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
						1,028		1,028				512	10400	1,028	SY		TREATING OF CONCRETE BRIDGE DECK WITH SRS		
STRUCTURE OVER 20 FOOT SPAN (ADA-32-1942 R)																			
						103		103				512	10300	103	SY		SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		
						1,028		1,028				512	10400	1,028	SY		TREATING OF CONCRETE BRIDGE DECK WITH SRS		
MAINTENANCE OF TRAFFIC																			
					40			40				614	11110	40	hour		LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
						2,508		2,508				614	11630	2,508	FT		INCREASED BARRIER DELINEATION		
						6		6				614	12336	6	EACH		WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)		
		12						12				614	12460	12	EACH		WORK ZONE MARKING SIGN		
						27		27				614	12484	27	EACH		WORK ZONE INCREASED PENALTIES SIGN		
						50		50				614	13000	50	CY		ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		
						59		59				614	13310	59	EACH		BARRIER REFLECTOR, TYPE 1, ONE WAY		
					18			18				614	13314	18	EACH		BARRIER REFLECTOR, TYPE 3, ONE-WAY		

GENERAL SUMMARY

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* MATCH EXISTING PAVEMENT SLOPE

THE ABOVE DETAIL APPLIES TO THE FOLLOWING LIMITS:
 EASTBOUND ONLY
 SLM 12.64 - SLM 12.71
 WESTBOUND AND EASTBOUND
 SLM 12.79 - SLM 12.81

PROPOSED LEGEND

- ① 36" ITEM 203 - EXCAVATION
- ② 18" ITEM 204 EMBANKMENT
- ③ 6" ITEM 304 AGGREGATE BASE
- ④ 9" ITEM 301 BITUMINOUS AGGREGATE BASE (2 EQUAL LIFTS)
- ⑤ 3" ITEM 441 - ASPHALT CONCRETE SURFACE, TYPE 1, (448), PG64-22
- ⑥ ITEM 407 - TACK COAT

EXISTING LEGEND

- Ⓐ EXISTING ±7" ASPHALT CONCRETE PAVEMENT
- Ⓑ EXISTING ±8" BITUMINOUS AGGREGATE BASE
- Ⓒ EXISTING ±4" BITUMINOUS AGGREGATE BASE
- Ⓓ EXISTING SUBBASE
- Ⓔ EXISTING TYPE 5 GUARDRAIL TO BE REMOVED

COUNTY-ROUTE DIRECTION	LOCATION		TOTAL WIDTH FT	TOTAL AREA SY	CADD MEASURED SY	203	204	204	252	301	304	407	441	CALCULATED BCB CHECKED DMB	
	LOG POINT	LENGTH				EXCAVATION	SUBGRADE COMPACTION	EMBANKMENT	FULL DEPTH PAVEMENT SAWING	9" BITUMINOUS AGGREGATE BASE (2 EQUAL LIFTS)	AGGREGATE BASE	TACK COAT (0.085 GAL/SY)	ASPHALT CONCRETE SURFACE, TYPE 1 (448), PG64-22		
						36" CY	SY	18" CY	FT	4.5" CY	6" CY	GALLON	3" CY		
SLM	TO SLM	MILES	FT	SY	SY	CY	SY	CY	FT	CY	CY	GALLON	CY		
ADA-32															
EB	12.64	12.71	0.07	369.60	36.00	1,478.40				72			125.66	123.20	
					36.67	1,505.91		1,505.91				188.24			
					37.67	1,546.98		1,546.98				193.37			
					38.67	1,588.05	1,588.05	1,588.05	794.02			264.67			
							109.65			36.55					
EB	12.79	12.81	0.02	105.60	36.00	422.40				72			35.90	35.20	
					36.67	430.26		430.26				53.78			
					37.67	441.99		441.99				55.25			
					38.67	453.73	453.73	453.73	226.86			75.62			
							31.33			10.44					
WB	12.79	12.81	0.02	105.60	36.00	422.40				72			35.90	35.20	
					36.67	430.26		430.26				53.78			
					37.67	441.99		441.99				55.25			
					38.67	453.73	453.73	453.73	226.86			75.62			
							31.33			10.44					
					SUB-TOTALS			2,495.50	7,292.91	1,294.74	216.00	599.68	415.92	197.47	193.60
					TOTALS CARRIED TO GENERAL SUMMARY			2,496	7,293	1,295	216	600	416	198	194

FULL DEPTH REPAIR DETAIL & SUB-SUMMARY

ADA-32-6.73