UTILITIES

THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.07 AND 107.16 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER. OHIO811. THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS (MICHELLE CHANEY AT 330-786-2267) AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ALL AREAS.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS. BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

BARRIER REFLECTORS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS DIRECTED BY THE ENGINEER FOR INSTALLING/REPLACING BARRIER REFLECTORS ON ALL EXISTING BARRIER RUNS WITHIN THE PROJECT LIMITS.

202, REMOVAL MISC.: BARRIER REFLECTOR, 336 EACH 626, BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL), 6 EACH 626, BARRIER REFLECTOR, TYPE 1 (ONE-WAY) 167 EACH 626, BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL) 22 EACH 626, BARRIER REFLECTOR, TYPE 2 (ONE-WAY) 141 EACH

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS: IAT LEAST 3 DAYS PRIOR TO PERFORMING THE WORK CONTACT THE TRAFFIC OFFICE AT 330-786-3147 TO CONFIRM THE WIDTHS]:

ROUTE	S.L.M. TO S.L.M.	LANE WIDTH
US 30	16.46 TO 19.16	12'
SR 43	10.74 TO 11.11	12'

PAVEMENT MARKING DETAILS

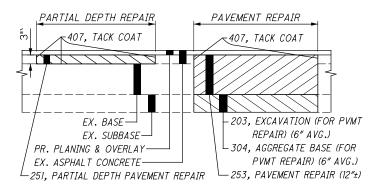
THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. FOR ANY LOCATIONS THAT PAVEMENT MARKING DETAILS ARE NOT BEEN MADE AVAILABLE TO THE CONTRACTOR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PUT BACK NEW PAVEMENT MARKINGS IN THE ORIGINAL LOCATIONS.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THE ITEM SHALL CONSIST OF REPAIRING EXISTING LOCATIONS EXHIBITING SURFACE DETERIORATION AND PLACING ITEM 441 ASPHALT CONCRETE, TYPE 2. THE ASPHALT CONCRETE SHALL BE COMPACTED WITH A TYPE I PNEUMATIC TIRE ROLLER AND A STEEL WHEEL ROLLER AS PER 401.13. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE

PERFORMED AFTER THE SOMPLEY ON OF MAINLINE PAVEMENT PLANING, ALSO, THIS ITEM SHALL COMMENCE WITHIN 5 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REPAIR. THE FOLLOWING ESTIMATED QUANTITY HAS

- BEEN CARRIED TO THE GENERAL SUMMARY: 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 3,220 SQ. YD.
- (STA 30, SLM 16.46 TO SLM, SLM 18.96 TO SLM 19.16) 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 280 SQ. YD.
- (STA 30, SLM 18.75 TO SLM 18.96)
- 251, PARTIAL DEPTH PAVEMENT REPAIR (441), 400 SQ. YD. (STA 43, SLM 10.97 TO SLM 11.11)



ITEM 253 - PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12"± 301 ASPHALT CONCRETE BASE, PG64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED AFTER THE COMPLETION OF

MINLINE PAVEMENT REANING ALSO, THIS TEM SHALL COMMENCE WITHIN 5 DAYS OF THE COMPLETION OF MAINLINE PAVEMENT PLANING IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATED AREA WITHIN THE PROJECT THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY: 253. PAVEMENT REPAIR. 1840 SQ YD (STA 30, SLM 16,46 TO SLM, SLM 18,96 TO SLM 19,16) 253, PAVEMENT REPAIR, 100 SQ YD (STA 30, SLM 18.75 TO SLM 18.96) 253, PAVEMENT REPAIR, 160 SQ YD (STA 43, SLM 10.97 TO SLM 11.11)

ITEM 408 - PRIME COAT, AS PER PLAN

APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER.

LINEAR GRADING

AREAS WHERE THE SHOULDER IS HIGHER THAN THE EDGE OF PAVEMENT WILL BE GRADED TO PROVIDE POSITIVE DRAINAGE. THIS WORK WILL ONLY BE PERFORMED IN AREAS NECESSARY AND WILL NOT BE PERFORMED ON THE ENTIRE PROJECT. AREAS FOR THE WORK WILL BE MARKED BY THE PROJECT ENGINEER. UNDER NO CIRCUMSTANCES WILL THIS WORK BE PERFORMED CONCURRENTLY WITH ANY OTHER OPERATION.

GRADING WILL BE ACCOMPLISHED BY THE REMOVAL OF MATERIAL TO PROVIDE A 0.08 POSITIVE SLOPE THE GRADED AREAS WILL BE COMPACTED TO A SUFFICIENT DENSITY TO PREVENT EROSION UNTIL SEEDING AND MULCHING IS PERFORMED. ALL EXCESS MATERIAL WILL BE REMOVED FROM THE BERMS AND WILL BE DISPOSED OF OFF THE PROJECT BY THE CONTRACTOR.

SEEDING AND MUCHING, FERTILIZER AND LIME WILL BE PERFORMED WITHIN A PERIOD NOT TO EXCEED 10 DAYS AFTER THE LINEAR GRADING

THE QUANTITY OF ITEM 209 IS NOT PERMITED TO BE INCREASED. REDUCTIONS IN QUANTITIES ARE PERMITTED AS DETERMINED BY THE PROJECT ENGINEER.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK WILL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY: 209, LINEAR GRADING, 403 STA

659, SEEDING AND MULCHING, 22390 SQ YD 659, COMMERCIAL FERTILIZER, 3.01 TON 659, LIME, 4.63 ACRES 659, WATER, 120.90 M. GAL

	-
ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447), AS PER PLAN	
703.05 DO NOT USE COARSE AGGREGATE FROM A SOURCE DESIGNATED 'SR' OR 'SRH' ACCORDING TO THE OFFICE OF MATERIALS MANAGEMENT (OMM) IN ANY JOB MIX FORMULA (JMF) FOR THIS ITEM.	
ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN	
IN LOW SHOULDER AREAS EXCEEDING 1", AND ADJACENT TO THE SAFETY EDGE, OR AS DIRECTED BY THE ENGINEER, RECYCLED ASPHALT FAVEMENT (RAP) SHALL BE USED IN AREAS ADJACENT TO THE PAVED BERM. THE RAP SHALL HAVE A MINIMUM PG CONTENT OF 4.5% AND MEET THE FOLLOWING GRADATION. ONCE THE STOCKPILE MEETS THE GRADATION, THE PG CONTENT OF THE RAP SHALL BE DETERMINED PFER 411.03. THE RAP ANALYSIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL 2 WEEKS PRIOR TO USE. METHOD OF MEASUREMENT SHALL BE AS PER 617.06. PLACEMENT AND COMPACTION SHALL MEET THE REQUIREMENTS OF ITEM 617. ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 617 COMPACTED AGGREGATE, AS PER PLAN. MODIFIED GRADATION SHALL APPLY: SIEVE TOTAL PERCENT PASSING 1.1/2" 100 3/4" 50-100 NO.4 35-70 NO.3 9-33 NO. 200 0-13	GENERAL NOTES
	DESIGN AGENCY
	DESIGNER
	SJD REVIEWER MJA 08-09-21
	PROJECT ID

110615

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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. US 30: A MINIMUM OF ONE ELEVEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK. SR 43 AND TRUMP AVE:

A MINIMUM OF ONE 10 FOOT BIDIRECTIONAL LANE 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 RURAL OR ONE [1] MILE URBAN.

6. 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.

7. 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 LANF, 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.

8. 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.

9. 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.

10. 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 MAIN-TENANCE OF TRAFFIC ON THIS PROJECT:

PHASE I - PLANED SURFACE

614. WORK ZONE CENTER LINE. CLASS I. 0.47 MILE 614, WORK ZONE LANE LINE, CLASS I, 6.09 MILE 614, WORK ZONE CHANNELIZING LINE, CLASS I, 8" 4,935 FT

- PHASE II SURFACE COURSE
- 614, WORK ZONE CENTERLINE, CLASS III, 642 PAINT 0.47 MILE
- 614, WORK ZONE LANE LINE, CLASS III, 642 PAINT 6.09 MILE
- 614. WORK ZONE CHANNELIZING LINE. CLASS III. 8"
 - 642 PAINT 4.935 FT

TO BE USED AS DIRECTED BY THE ENGINEER 614, WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT 15.34 MILE 614, WORK ZONE MARKING SIGN, 40 EACH (ALL PHASES)

LANE CLOSURES - US 30

DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AS PER THE PERMITTED LANE CLOSURE CHART. THE PERMIT-TED LANE CLOSURE CHART USED FOR THIS PROJECT SHALL BE THE MOST CURRENT CHART AVAILABLE ON THE DATE THIS PROJECT SELLS.

THE CHART CAN BE FOUND AT: http://plcm.dot.state.oh.us

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE REQUIRE-MENTS IN THE CHART, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES IN THE AMOUNT OF \$2,500 PER HOUR OR PORITON THEREOF THAT THE LANE REDUCTION REMAINS BEYOND THE SPECIFIED LIMIT.

DETOUR NOTIFICATION [CANTON/STARK]

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148) AND CITY OF CANTON EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED. ERECTED. MAINTAINED. AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

DROPOFFS

THE CONTRACTOR WILL NOT BE PERMITTED TO LEAVE A DIFFERENCE IN ELEVATION BETWEEN THE MAINLINE MILLED SURFACES, AND ASPHALT SURFACE COURSE AND SIDE STREET APPROACHES/DRIVEWAYS RAMP CLOSURES ARE PERMITTED DURING THE NIGHT TIME HOURS GREATER THAN 1.25 INCH. THE CONTRACTOR SHALL PLACE A 12-1 ASPHALT WEDGE FOR ALL RESULTING ELEVATION DIFFERENCES GREATER SEE SHEETS 10-13. THE FOLLOWING TABLE SHOWS WHICH RAMPS THAN 1.25 INCH PRIOR TO OPENING TO TRAFFIC. THE PAVING OF INTERSECTION APPROACHES AND DRIVEWAYS, PER THE NOTES ON SHEET XX, SHALL BE PERFORMED WITHIN 7 DAYS OF MAINLINE SURFACE COURSE BEING APPLIED AND A DROPOFF BEING CREATED BETWEEN THE NEW SURFACE COURSE AND THE MILLED/EXISTING SIDE ROAD OR DRIVEWAY SURFACE. THE CONTRACTOR MAY ELECT TO PLACE A 12:1 ASPHALT WEDGE IN LIEU OF COMPLETING THE PAVING, HOWEVER THE ASPHALT CONCRETE USED FOR THE WEDGE SHALL BE CONSIDERED INCIDENTAL TO ITEM 614 – MAINTAINING TRAFFIC AND SHALL INCLUDE THE REMOVAL OF THE WEDGE BEFORE THE INTERSECTION/DRIVEWAY IS PAVED.

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.

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									
	>= 2WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE									
ROAD & RAMP CLOSURES	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE									
CLUSURES	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE									
	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE									
LANE CLOSURES & RESTRICTIONS	< 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.

RAMP CLOSURE LIMITATIONS

FROM 8PM TO 6AM DURING PHASED CONSTRUCTION OF SR 43 ARE PERMITTED TO BE CLOSED CONCURRENTLY.

SR 43 PHASE CONSTRUCTION - RAMP CLOSURES													
PHASE	RAMP OPEN	RAMP CLOSED											
1	W-S,W-B, B-W, E-B	B-E											
2A	W-S, W-B, E-B, B-E, B-W CONNECTOR	B-W											
2B	W-B, B-W, E-B, B-E	W-S											
3	B-E, W-S, B-W	W-B, E-B											



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.

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 INSPECTALL TRAFFIC DEVICES AT THE BEGINNING AND AT THE END OF EACH WORK DAY. THE DESIGNATED INDIVIDUAL OR A QUALIFIED REP-RESENTATIVE SHALL ALSO BE AVAILABLE ON AN AROUND THE CLOCK BASIS TO REPAIR AND/OR REPLACE DAMAGED OR MISS-ING 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.

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 ASSSESSED A DISINCENTIVE IN THE AMOUNT OF \$2000 PER DAY THAT THE TRAFFIC IS PLACED ON A MILLED SURFACE BEYOND THE SPECIFIED LIMT.

PLACEMENT OF ASPHALT CONCRETE

ESIGN AGENC

DESIGNE	R
	SJD
RE	VIEWER
	03-30-21
PROJECT	T ID
	10615
SHEET	TOTAL

P:8 34

			SHEET	r NUM.					i	PA	RT.			ITEM	ITEM	GRAND	UNIT	
6	7	23	24	25	27	28	29	01/NHS/PV	02/NHS/PV/CANT	03/NHS/OT/CANT	04/S>2/PV/CANT	05/S>2/OT/CANT	06/NHS/BR	IT LIM	EXT	TOTAL	UNIT	
				2					2					202	23500	2	SY	WEARING COURSE REMOVED
	276			-				276	-					202	30700	276	FT	CONCRETE BARRIER REMOVED
336	2/0							234	15		87			202	98100	336	EACH	REMOVAL MISC.: BARRIER REFLECTOR
	27							27	10		01			203	10000	27	CY	EXCAVATION
	400							310		20		70		203	10000	400		EXCAVATION (FOR PAVEMENT REPAIR)
	100							010				10		200	10000	100		
	27							27						204	30010	27	CY	GRANULAR MATERIAL, TYPE B
403								328	27		48			209	60200	403	STA	LINEAR GRADING
		122	103					212	13		10			209	72000	225	STA	PREPARING SUBGRADE FOR SHOULDER PAVING
	276	122	100					276	10					622	24000	276	FT	CONCRETE BARRIER, TYPE D
	2,000							2,000						622	41100	2,000		PORTABLE BARRIER, UNANCHORED
	2,000							2,000						022	11100	2,000		
	2								2					623	39501	2	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
	2							2	-					SPECIAL	69098000	2	EACH	VERTICAL CLEARANCE
	-							-						0. 200.12		-	2.1011	
2,390								18,223	1,500		2,667			659	10000	22,390	SY	SEEDING AND MULCHING
3.01								2.45	0.2		0.36			659	20000	3.01	TON	COMMERCIAL FERTILIZER
.63								3.77	0.2		0.55			659	31000	4.63	ACRE	
.03 20.9								98.4	8.1		14.4			659	35000	4.65	MGAL	WATER
								1,000	0.1		14.4			832	30000	1,000	EACH	EROSION CONTROL
								1,000						002	30000	1,000	ENUT	
_	2								2					611	99655	2	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN
-	2			<u> </u>										VII	33000	<u> </u>		
00								3,220		280		400		251	01000	3,900	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)
	2,640							J,ZZU		200	2,640	400		251	01000	2,640	FT	FULL DEPTH PAVEMENT REPAIR (441)
	2,040							1,840		160	2,040	100		252	01500	2,040	SY	PAVEMENT REPAIR
00		58,562	48,940	51,920				1,040	5,398	100	1,307	100		255	01000	159,422	SY	PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE (T=2.0")
	220	00,002	-10,0 4 0	01,020				132,111	0,000		220			254	10500	220	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS RRC
	220										220			200	10000	220	01	
	400							310		20		70		304	20000	400	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)
-	400	5,271	4,405	4,673				13,745	486	20	118	10		407	20000	400	GAL	
		5,271 1,474	4,405	2,676				5,342	480		76			407	10001	5,526		NON-TRACKING TACK COAT @ 0.09 GAL/SY
		1,474						5,342 4,575	100		43			408	00100	5,526 4,618	GAL CY	PRIME COAT, AS PER PLAN @ 0.40 GAL/SY ANTI-SEGREGATION EQUIPMENT
			1,495	1,433					201					441 442				
_		3,254	2,719	2,886				8,485	301		73			442	10301	8,859	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER P
_		205	101	070				740	45		44			617	40404	760		
	0 00	205	191	372				742	15		11			617	10101	768		COMPACTED AGGREGATE, AS PER PLAN (T=2.0") RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
	8.08							8.08						618	40600	8.08	MILE	RUMDLE STRIPS, SHUULDER (ASPHALT GUNGKETE)
					000			047	70		40			004	00100	000	EAOU	
_					903			817	76		10			621	00100	903	EACH	
					729			660	61		8			621	54000	729	EACH	
									6					626	00102	6	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)
								103			64			626	00102	167	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)
								13	9					626	00110	22	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)
								118	L		23			626	00110	141	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)
						13.83		13.34			0.49			642	00104	13.83		EDGE LINE, 6", TYPE 1
						5.24		5.24						642	00204	5.24	MILE	LANE LINE, 6", TYPE 1
						3,900		3,900						642	00404	3,900	FT	CHANNELIZING LINE, 12", TYPE 1
							1	3,660						642	01510	3,660	FT	DOTTED LINE, 6", TYPE 1
						3,660			I	1								1
													_					
							1.18	0.4	0.42		0.36			646	10000	1.18	MILE	EDGE LINE, 4"
							1.18 0.88	0.4	0.42		0.36 0.12			646 646	10100		MILE	LANE LINE, 4"
									0.36	2						0.88		
						3,660	0.88	0.4	0.38					646	10100		MILE	LANE LINE, 4"
						3,660	0.88 0.41	0.4	0.36		0.12			646 646	10100 10200	0.88	MILE MILE	LANE LINE, 4" CENTER LINE
						3,660 0.03	0.88 0.41 1,315	0.4 0.23 720	0.36	5	0.12			646 646 646	10100 10200 10310	0.44	MILE MILE FT	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12"
						3,660 0.03	0.88 0.41 1,315	0.4 0.23 720	0.36	<u>}</u>	0.12			646 646 646	10100 10200 10310	0.44	MILE MILE FT	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12"
						3,660 0.03	0.88 0.41 1,315 25	0.4 0.23 720 69	0.36 0.21 225		0.12 370			646 646 646 646	10100 10200 10310 10400	0.88 0.44 1.317 69	MILE MILE FT FT	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE
						3,660 0.03	0.88 0.41 1,315 25 513	0.4 0.23 720 69	0.38 0.21 225 350		0.12 370 44			646 646 646 646 	10100 10200 10310 10400 10600	0,88 0,44 4,318 69 513	MILE MILE FT FT FT	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE
						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING
						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING
						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING
						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING
						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING
22						3,660 0.03 44	0.88 0.41 1,315 25 513 283.5	0.4 0.23 720 69 119	0.38 0.21 225 350 56.5		0.12 370 44 227			646 646 646 646 646 646 646	10100 10200 10310 10400 10600 10800	0,88 0,44 69 513 283.5	MILE MILE FT FT FT SF	LANE LINE, 4" CENTER LINE CHANNELIZING LINE, 12" STOP LINE TRANSVERSE/DIAGONAL LINE ISLAND MARKING

DESCRIPTION	SEE SHEET NO.	
ROADWAY		
	6	
	7 7	
EROSION CONTROL		
		GENERAL SUMMARY
DRAINAGE	7	NMN
PAVEMENT	7	AL S
		INER
RRCM		GE
	6	
ER PLAN (T=2.0")	6	
	6	
TRAFFIC CONTROL		
		DESIGN AGENCY
		DESIGNER
		SJD ^{REVIEWER} MJA 08-09-21
		PROJECT ID 110615 SHEET TOTAL
		P.21 34

																				GENERAL SPEC	C: 640	
											ELINE									MATERIAL TYPE		I
СТҮ	ROUTE		Ff	ROM		22		то			HITE EDGE LI			YELLOW EDGE					COMMENTS			1
STA	43	TRUE LOG 10.74 BEGIN P			TRUE 10.9		30 BW RAMP			TOTAL 0.36	HIGHWAY 0.36	RAMP	TOTAL	HIGHWAY	RAMP							1
										0.00	0.000											1
STA	30	18.75 TRUMP			18.9		30 WB RAMP			0.42	0.42											1
STA	30	18.96 US 30 W	/B RAMP		19.1	6 JCT.	. SR 172			0.40	0.40											1
																						1
																						1
																						1
																						1
																						1
																						1
TOTAL										1.18	1.18											ł
										LAN	E LINE											1
СТҮ	ROUTE		FI	ROM				то		TOTAL	4" LAN						CC	OMMENTS				⊢ ≻
		TRUE LOG			TRUE					MILES	DASHED	SOLID										Ϋ́ΥΫ́Υ
STA	43	10.80 RAMP B	-E		10.9		UCTURE STA-4	3-10.92		0.12	0.12											
STA	30	18.78 STA-30-1	18.78		18.9	6 US 30	30 WB RAMP			0.36	0.36											Σ
STA	30	18.96 US 30 W	/B RAMP		19.1	6 JCT.	. SR 172			0.40	0.40											, ∩
																						SUBSUMMARY
																						_ ∩
TOTAL										0.00	0.00											ž
TOTAL										0.88	0.88											
											ER LINE											L A
СТҮ	ROUTE		FF	ROM				то	(MILES	EQUIV	ALENT					CC	OMMENTS				Ì
		TRUE LOG			TRUE	LOG			\longrightarrow	MILES		D LINE										
STA	30	30 18.75 TRUMP AVE. 18.96 US 30 WB RAMP						0.21	0.	.72									Z			
STA	30	18.96 US 30 W	/B RAMP		19.1	6 JCT.	. SR 172			0.20	0.	.49									PAVEMENT MARKING	I II
									(•	1)											Ū Ū
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01.dg									(1											
PM0									(Κ											1
10615										•	K											1
eets/1										•	K											1
ay/She									>	•	<u></u>											
									<u> </u>	0.41	1.20											1
ring\R										- AUX	ILIARY											1
ginee				CHANNEL	STOP CRO		ANSVERSE DIA	GONAL ISLAND	S	YMBOL MARKIN				IE ARROWS		WORD C		DOTTED				1
e CTY	R	OUTE LOCATION	TRUE LOG	LINE	LINE WALK L	NES	LINES VHITE YEL	MARKING		SCH 72"	HOOL 96"	TURN LEFT	TURN RIGHT	THRU	COMB.	ON 72"	ILY 96"	LINES		COMMENTS		1
0615/4				FT	FT FT			T SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT				1
urk/110																						l
STA	SR 43 @ ED	STEIN RD	10.740	140				170				5										1
STA	SR 43 @ US	30 RAMPS	11.110	230				14 57				3										1
octs/D																						1
STA	US 30 @ WB	US 30 ON RAMP	18.838	225			3	50 56.5				3										4
STA	US 30 @ MC	OUGIN CIRCLE	18.949									2										DESIGN AGENCY
50 STA	US 30 @ SR	172	19.160	720	25	1	119					4	4	4					END PVMT MARKINGS	@ SR 172 CONST. JOINT		\frown
crume																						
02/Do																						
ot-pw-																						
phiode																						
com.																						
entley																						REVIEWER
t-pw.t																						MMC 04-22-21 PROJECT ID
																						110615
TOTAL				1315	25		119 3	94 283.5				17	4	4								SHEET TOTAL P.29 34
				1010	20		.10 0	200.0	1	1	1	1 17					I	1				

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