SHEET TITLE

EN-23-0.00

STATE OF OHIO **DEPARTMENT OF TRANSPORTATION**

SEN-23-0.00

BIG, SPRING & LOUDON TWPS. SENECA COUNTY

INDEX OF SHEETS:

END WORK S.L.M. 9.98 STA. 526+58

BEGIN WORK S.L.M. 0.00 STA. 0+00

TITLE SHEET		1
TYPICAL SECTIONS		2-6
GENERAL NOTES	- 1	7
TRAFFIC CONTROL NOTES	'	√ 8, 8A
MAINTENANCE OF TRAFFIC		9-10
PLAN INSERT: BTA, TYPE 4, APP		11
GENERAL SUMMARY		12-13
PAVEMENT CALCULATIONS		14
EXTRA AREA & DEDUCTIONS		15
SUBSUMMARIES		16
PAVEMENT MARKING CALCULATIO	NS	17
INTERSECTION DETAIL - C.R. 58		18
INTERSECTION DETAIL - U.S. 224		19
PLAN SHEET		20-41
BRIDGE SHEETS		42-53
SEN-23-0764	42-51	
SEN-23-0833	52-53	

RAILROAD INVOLVEMENT

FEDERAL PROJECT NUMBER

NONE

E090189

PROJECT DESCRIPTION

RESURFACE SECTIONS ON US-23 FROM WYANDOT COUNTY LINE TO FOSTORIA CORP. PERFORM NECESSARY RELATED WORK.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0 ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES (NOI NOT REQUIRED)

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO. DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DE-TOURS WILL BE PROVIDED AS INDICATED ON SHEET 10.

NHS PROJECT YES **DESIGN EXCEPTIONS**

RURAL PRINCIPAL ARTERIAL

DESIGN FUNCTIONAL CLASSIFICATION:

DESIGN DESIGNATION

NONE



LOCATION MAP LATITUDE: N41°04'56" LONGITUDE: W83°24'07"

PORTION TO BE IMPROVED INTERSTATE HIGHWAY FEDERAL ROUTES _______

OTHER ROADS ______

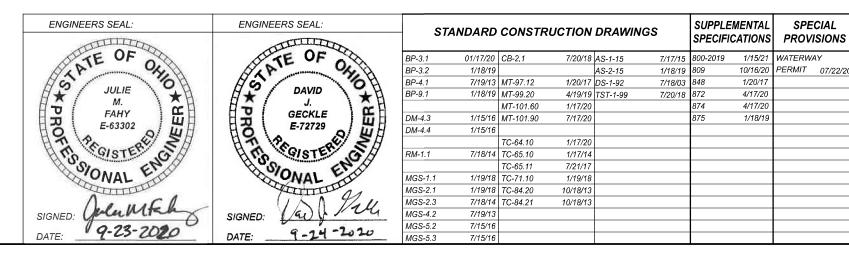
DESIGN YEAR ADT (2034) 4700

DESIGN HOURLY VOLUME (2034) 550

DIRECTIONAL DISTRIBUTION 55%

DESIGN SPEED _____ 60MPH LEGAL SPEED _____ 55MPH

> PLAN PREPARED BY: OHIO DEPARTMENT OF TRANSPORTATION DISTRICT TWO BOWLING GREEN, OHIO



APPROVED_ DATE DIRECTOR, DEPARTMENT OF TRANSPORTATION



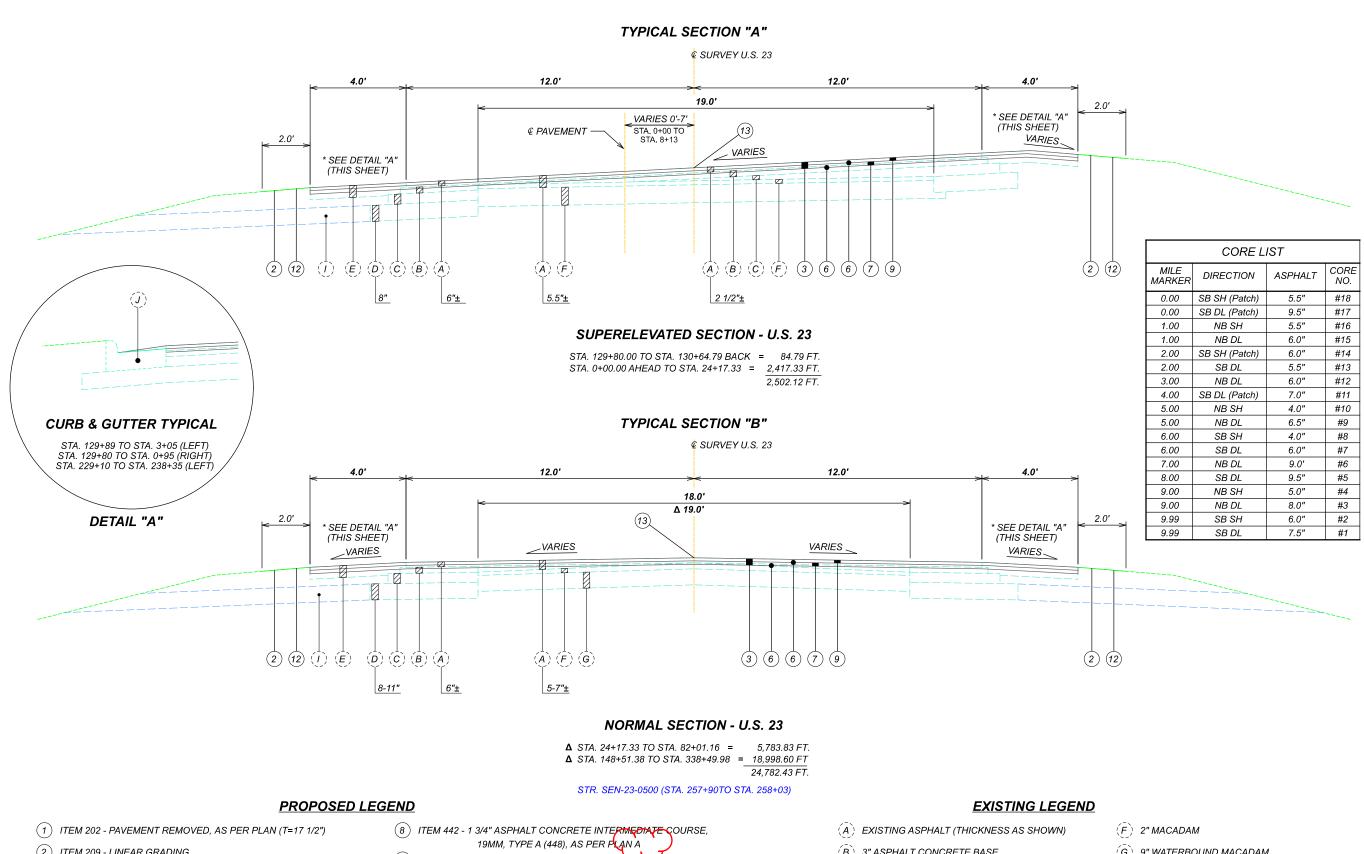


TLM 85264

MF 07-31-20

P.1 53





(2) ITEM 209 - LINEAR GRADING

(3) ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE

(4) ITEM 301 - 8" ASPHALT CONCDRETE BASE, PG64-22 (2 LIFTS 4" EACH)

(5) ITEM 304 - 6" AGGREGATE BASE

(6) ITEM 407 - NON-TRACKING TACK COAT

(7) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (44%), AS PER PLAN B

(9) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE OF 12.5MM, TYPE A (446). AS PER PLAN B

(10) ITEM 442 - 1 3/4" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)

(11) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE ROORSE, 12.5MM, TYPE A (448), AS PER PLAN A

12) ITEM 617 - COMPACTED AGGREGATE

(13) ITEM 874 - LONGITUDINAL JOINT PREPARATION

(B) 3" ASPHALT CONCRETE BASE

(C) 5" CRUSHED AGGREGATE BASE

(D) SUBBASE (THICKNESS AS SHOWN)

(E) 6" STABILIZED SHOULDER MATERIAL

(G) 9" WATERBOUND MACADAM

(H) 6" PIPE UNDERDRAINS

 (\overline{I}) NO. 2 STONE UNDERDRAIN

 (\widehat{J}) CURB & GUTTER, TYPE 2



TLM IMF 07-31-20 85264

P.2 53

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER 2622 STATE ROUTE 100 TIFFIN, OHIO 44883 419-209-5583

AT&T 130 N FRIF STREET ROOM 714 TOLEDO, OHIO 43624 419-245-7304

P.O. BOX 316 BASCOM, OHIO 44809 419-937-2222

BASCAM MUTUAL TELEPHONE CO. CHARTER TELECOMMUNICATIONS 3760 INTERCHANGE DRIVE COLUMBUS, OHIO 43204 614-255-6340

CITY OF FOSTORIA - SEWER 213 S MAIN STREET FOSTORIA, OHIO 44830 419-435-2486

213 S MAIN STREET FOSTORIA, OHIO 44830 419-435-2486

CITY OF FOSTORIA - WATER

COLUMBIA GAS OF OHIO, INC. 2901 E. MANHATTAN BLVD. TOLEDO, OHIO 43611 419-539-6066

FRONTIER COMMUNICATIONS 300 WEST GYPSY LANE ROAD BUILDING A BOWLING GREEN, OHIO 43402

419-354-9452

TDS TELECOM

P.O. BOX 475 ATTICA, OHIO 44807

NORTH CENTRAL ELECTRIC COOP, INC. O.D.O.T. - DISTRICT 2 - TRAFFIC 317 F. POF ROAD BOWLING GREEN, OHIO 43402 419-353-8131

SENECA COUNTY SEWER DISTRICT 71 S. WASHINGTON ST. #1104

P O BOX 157 102 W. FREMONT STREET TIFFIN. OHIO 44883 419-443-7936 ARCADIA, OHIO 44804 419-894-6400

ROUNDING

800-426-3072

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

ELEVATION DATUM

ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND GEOID12B GEOID (GPS DERIVED). HORIZONTAL POSITIONS ARE BASED ON THE OHIO STATE PLANE NORTH ZONE, A LAMBERT CONFORMAL CONIC MAP PROJECTION, THE NORTH AMERICAN DATUM OF 1983 ADJUSTED TO THE NATIONAL SPATIAL REFERENCE SYSTEM OF 2011 (NAD 83(NSRS 2011)), AND THE GRS80 ELLIPSOID.

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.

EXISTING MONUMENT BOXES

DURING CONSTRUCTION. IF THE CONTRACTOR REMOVES OR DISTURBS ANY MONUMENT BOX ASSEMBLIES, THE CONTRACTOR SHALL HAVE A REGISTERED SURVEYOR CERTIFY THAT THE MONUMENTS HAVE BEEN RESET AT THE ORIGINAL LOCATION AS PER OHIO ADMINISTRATIVE CODE. CHAPTER 4733-37. STANDARDS FOR BOUNDARY SURVEYS, THE CONTRACTOR SHALL FORWARD A COPY OF SAID CERTIFICATION TO THE PROJECT ENGINEER, AND THE DISTRICT SURVEY OPOERATIONS MANAGER FOR REVIEW. THE CERTIFICATION SHALL BE SIMILAR TO THE FOLLOWING:

I, JOHN D. DOE, P.S. HEREBY CERTIFY THAT THE CENTERLINE MONUMENTATION HAS BEEN RESET AT THE PRECONSTRUCTION LOCATRIONS DURING PROJECT CTY-RT-SEC, PID 000000. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "A MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO" UNLESS OTHERWISE NOTED. THE WORDS 1 AND MY, AS USED HEREIN, ARE TO MEAN MYSELF OR SOMEONE UNDER MY DIRECT SUPERVISION.

ALL SURVEY MONUMENTS SET AND/OR RESET BY THE CONTRACTOR'S SURVEYOR SHALL BE CONSTRUCTED ACCORDING TO SCD RM-1.1.

ALL COSTS ASSOCIATED WITH THE RE-SETTING OF THE MONUMENT BOXES SHALL BE AT THE CONTRACTORS' EXPENSE.

ITEMS ADJUSTED TO GRADE

THE FOLLOWING ITEMS HAVE BEEN CARRIED IN THE PLANS AS CONTINGENCY QUANTITIES AND SHOULD BE USED AS DIRECTED BY THE ENGINEER.

ITEM 623, MONUMENT BOX ADJUSTED TO GRADE 1 EACH

ITEM 202, PAVEMENT REMOVED, AS PER PLAN

ITEM 202, PAVEMENT REMOVED, AS PER PLAN SHALL NOT REMOVE THE MACADAM BASE THAT IS 18' WIDE. ITEM 304 HAS BEEN ADDED FOR AREAS OUTSIDE OF THE 18' WIDTH.

ITEM 254, PAVEMENT PLANING, AS PER PLAN

IN AREAS OF CURB AND GUTTER. MILL THE ASPHALT TO EXPOSE THE GUTTER. COSTS FOR CLEANING OUT GUTTER PANS SHALL BE INCLUDED IN ITEM 254, PAVEMENT PLANING, AS PER PLAN.

ASPHALT CONCRETE FOR DRIVEWAYS & MAILBOX APPROACHES

THE FOLLOWING ESTIMATED QUANTITY FOR ASPHALT CONCRETE IS TO BE USED FOR ADJUSTING DRIVEWAYS AND MAILBOX APPROACHES AS DIRECTED BY THE ENGINEER

ITEM 442. ASPHALT CONCRETE SURFACE COURSE. 12.5MM, TYPE A (446) 50 CU. YARD

TOTALS CARRIED TO GENERAL SUMMARY

THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ALL DRIVEWAYS HAVE BEEN TREATED AS DIRECTED BY THE ENGINEER.

ITEM , ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN A

ITEM 442, ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (448), AS PER PLAN A SHALL FOLLOW THE SPECIFICATIONS FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE SURFACE COURSE AND A MAXIMUM OF 15% OF RAP BY DRY WEIGHT OF MIX CAN BE USED.

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE. 19MM, TYPE A (448), AS PER PLAN A

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A, AS PER PLAN A SHALL FOLLOW THE SPECIFICATION FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG76-22M FOR THE INTERMEDIATE COURSE AND A MAXIMUM OF 20% RAP BY DRY WEIGHT OF MIX CAN BE USED

ITEM 253, PAVEMENT REPAIR

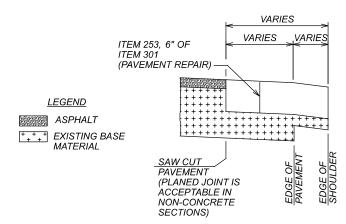
PAVEMENT SHALL BE PLANED BEFORE PAVEMENT REPAIRS ARE PERFORMED.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR 6" PAVEMENT REPAIR ON U.S. 23 AS DIRECTED BY THE ENGINEER BASED ON 15% OF THE PAVEMENT AREA.

ITEM 253, PAVEMENT REPAIR

4366 CU. YARDS

ESTIMATED QUANTITIES CARRIED TO THE GENERAL SUMMARY.



NOTF:

THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT RESTORATION

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION AT THE FOLLOWING LOCATIONS:

ITEM 202. PAVEMENT REMOVED 95 SQ. YDS. ITEM 301, ASPHALT CONCRETE BASE, PG64-22 32 CU. YD.S

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 12 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROIVDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITION COST.

APPROXIMATE LOCATIONS:

U.S. 23 STA. 447+00

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, MASH2016

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 202, BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN

THE CONTRACTOR SHALL REMOVE THE CONCRETE POST ENCASEMENTS WHEN REMOVING THE BRIDGE TERMINAL ASSEMBLY.

ITEM 606, MGS, BTA TYPE 1, AS PER PLAN

THIS ITEM SHALL CONSIST OF INSTALLING A MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, EXCEPT THAT IT SHALL BE MODIFIED TO CONTOUR TO THE RADIUS AT THIS LOCATION.

CONTINGENCY QUANTITIES

THE FOLLOWING ITEMS HAVE BEEN CARRIED IN THE PLANS AS CONTINGENCY QUANTITIES AND SHOULD BE USED AS DIRECTED BY THE ENGINEER.

ITEM 202, CURB REMOVED 50 FT. ITEM 202, PIPE REMOVED, 24" AND UNDER 20 FT. ITEM 609, COMBINATION CURB AND GUTTE,R TYPE 2 50 FT. ITEM 611, 12" CONDUIT, TYPE C 20 FT.

QUANTITIES CARRIED TO GENERAL SUMMARY.

TI M IMF 07-31-20

85264 P.7 53 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A(446), APP B
ASPHALT CONRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), APP B

FOLLOW 401 AND 441, EXCEPT AS FOLLOWS:

- 1.) OFFSET THE AC GAUGE FOR EACH JMF FOR THE PROJECT PRIOR TO THE PROJECT'S START USING 441.09.A. AND THE MODIFIED SUPPLEMENT 1043 PROCEDURE BELOW.
- 2.) DURING S-1043.07 PROCESS, A RAP SAMPLE OBTAINED FROM THE JMF-DESIGNATED RAP PILE WILL BE EXTRACTED IN THE ASPHALT LEVEL 3 LAB TO VERIFY THE RAP AC %. THE RAP AC % WILL BE WITHIN 0.3% OF THE AVERAGE RAP AC % FROM THE JMF. IF RAP AC % IS OUTSIDE OF THE 0.3%, THE VERIFICATION PAN PROCESS WILL STOP, AND DISTRICT TESTING WILL ALLOW ONE OPPORTUNITY TO REWORK THE RAP PILE AT THE MIX PLANT AND RESAMPLE. RESAMPLING REQUIRES DISTRICT TESTING TO BE PRESENT. IF THE RESAMPLE IS STILL OUTSIDE OF THE 0.3%, THE JMF WILL BE RESCINDED AND NEED TO BE REDESIGNED.

FOLLOW 441.10 EXCEPT AS FOLLOWS:

1.) ENSURE ASPHALT BINDER CONTENT DOES NOT EXCEED TABLE 441.10-1. ADJUSTMENTS TO MIX PLANT CONTROL SETTINGS MUST BE SUBMITTED TO AND APPROVED BY DISTRICT TESTING PRIOR TO MAKING THE ADJUSTMENT. THE ADJUSTMENT CANNOT EXCEED +/- 0.2% FROM DESIGN AC % FROM JMF. DO NOT LOWER VIRGIN BINDER CONTENT OR INCREASE RAP PERCENT. ENSURE PLANT TICKET SHOWS THE ADJUSTMENT AND IS SET TO THE ADJUSTED TOTAL AC % AT ALL TIMES AFTERWARDS.

FOLLOW SUPPLEMENT 1043 FOR AC GAUGE OFFSET, EXCEPT AS MODIFIED BELOW:

- 1.) FOLLOW 1043.07 EXCEPT AS FOLLOWED:
 - A.) NOTIFY DISTRICT TESTING A MINIMUM OF ONE WEEK PRIOR TO MAKING VERIFICATION PANS.
 - B.) DISTRICT TESTING WILL WITNESS A SOLVENT
 EXTRACTION FROM A SAMPLE FROM THE RAP PILE
 THAT IS TO BE USED IN THE JMF TO VERIFY THE RAP
 AC %. RAP AC % WILL BE WITHIN 0.3% OF RAP AC %
 DETERMINED IN JMF. IF OUTSIDE OF 0.3%, DO NOT
 PROCEED AND THE JMF WILL NEED TO BE REDESIGNED.
 - C.) DISTRICT TESTING WILL WITNESS THE VERIFICATION PANS BEING BLENDED, MIXED, AND COMPACTED.
 - D.) MAKE A MINIMUM OF THREE VERIFICATION PANS FOR THE JMF THAT ARE AT THE JMF ASPHALT BINDER CONTENT. MAKE ONE ADDITIONAL VERIFICATION PAN FOR EACH ADDITIONAL DISTRICT THE JMF WILL BE USED IN.
 - E.) IN ADDITION, TURN POSSESSION OVER OF THE CALIBRATION AC GAUGE PANS USED TO DETERMINE THE FIT COEFFICIENT TO DISTRICT TESTING.
- 2.) FOR AC CONTENT PAY ACCEPTANCE, REPLACE 1043.08 WITH THE FOLLOWING:

CALCULATE AN AC GAUGE OFFSET AMOUNT FOR EACH JMF AND MIX PLANT IN ACCORDANCE WITH THE FOLLOWING PROCEDURE PRIOR TO START OF ANY PRODUCTION FOR THE JMF. NOTIFY DISTRICT TESTING 24 HOURS PRIOR TO OFFSETTING GAUGE.

- 1.) ENSURE PRINTER IS ON AND PLACE THE FIRST VERIFICATION PAN IN THE AC GAUGE AND RUN.
- 2.) AFTER THE 16-MINUTE TEST, TAKE THE VERIFICATION PAN OUT AND TURN 180 DEGREES AND PLACE BACK IN AC GAUGE AND RUN
- 3.) REPEAT STEPS 1 AND 2 WITH SECOND AND THIRD VERIFICATION PANS.
- 4.) FOR EACH RUN, TAKE THE JMF ASPHALT BINDER CONTENT MINUS THE AC GAUGE AC % TO OBTAIN THE OFFSET FOR THAT RUN.
- 5.) AVERAGE ALL OFFSETS FOR A FINAL OFFSET.
- 6.) RETAIN ALL OF THE VERIFICATION PANS. AFTER THE FINAL OFFSET IS DETERMINED, DISTRICT TESTING WILL CHOOSE TWO OF THE VERIFICATION PANS AND SEND ONE OF THESE TWO TO OMM TO EXTRACT AND REFLUX.
- 7.) DISTRICT TESTING WILL USE THE TWO VERIFICATION PANS TO OFFSET THEIR AC GAUGE.

BEFORE THE BEGINNING OF A PRODUCTION DAY, RUN THE
VERIFICATION PAN IN THE AC GAUGE AND ENSURE THE OFFSET
AC GAUGE AMOUNT IS WITHIN 0.14% OF THE JMF ASPHALT BINDER
CONTENT. DURING THE START OF PRODUCTION FOR THE JMF,
SOLVENT EXTRACT THE FIRST TWO QC SAMPLES AND COMPARE
TO THE OFFSET AC GAUGE. ENSURE SOLVENT EXTRACTION IS
WITHIN 0.3% OF OFFSET AC GAUGE. IF MORE THAN 0.3% OFF,
IMMEDIATELY RESAMPLE AND RUN AC GAUGE AND SOLVENT
EXTRACT IMMEDIATELY. IF TWO CONSECUTIVE SAMPLES ARE
MORE THAN 0.3% OFF, IMMEDIATELY STOP PRODUCTION, CONTACT
MONITORING TEAM, AND INVESTIGATE THE REASON FOR THE
PROBLEM. ONCE TWO CONSECUTIVE QC SAMPLES ARE WITHIN
0.3% OF OFFSET AC GAUGE, THE FINAL OFFSET GAUGE IS CONFIRMED.

AFTER CONFIRMING THE AC GAUGE OFFSET AMOUNT PROCEED WITH DETERMINING AC CONTENTS OF PRODUCTION SAMPLES BY THE AC GAUGE ACCORDING TO 1043.09.

ONLY DETERMINE ONE AC GAUGE OFFSET AMOUNT PER JMF. IF MORE THAN 30 DAYS HAS LAPSED SINCE THE JMF WAS LAST TESTED, RE-DO THE OFFSET PROCEDURE ABOVE WITH TWO VERIFICATION PANS (ONE FROM THE CONTRACTOR AND ONE FROM THE DISTRICT). IF AN AC GAUGE OFFSET AMOUNT IS LATER DETERMINED, BY AN INVESTIGATION OF BOTH THE CONTRACTOR AND THE DISTRICT, TO BE INCORRECT RE-DO THE OFFSET PROCEDURE. IN ADDITION, ALSO DETERMINE THE AC GAUGE OFFSET FOLLOWING THE CURRENT PROCEDURE AS OUTLINED IN SUPPLEMENT 1043 DATED JANUARY 18, 2019 AND PROVIDE THE INFORMATION TO THE DEPARTMENT. THIS AC GAUGE OFFSET NUMBER WILL NOT BE USED DURING QC TESTING.

DESIGN AGEN



TLM

REVIEWER

JMF

PROJECT ID

85264 SHEET TOTAL P 8A 53

SHEET NUM.								PART.			ITEM	GRAND	LINITT	DESCRIPTION				
	7 8 9 10 14 15 16 17		17	01/NHS/PV 02/NHS/BR	ITEM	EXT	TOTAL	UNIT	DESCRIPTION									
																ROADWAY		
	+ +	95						 		95		202	23000	95	SY	PAVEMENT REMOVED	+	
		93				334				334		202	23000	334		PAVEMENT REMOVED, AS PER PLAN	7	
		50				337				50		202	32000	50		CURB REMOVED	- '	
		20								20		202	35100	20		PIPE REMOVED, 24" AND UNDER		
		20						2,813		2,813		202	38000	2,813		GUARDRAIL REMOVED		
								2,010		2,010		202	30000	2,010		OUTH THE NEW OVER		
								21		21		202	42010	21	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E		
								4		4		202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		
								4		4		202	58100	4		CATCH BASIN REMOVED		
						160				160		203	10000	160		EXCAVATION		
						100		40		40		203	20000	40		EMBANKMENT		
								1		10		200	20000	40	- 01			
						334				334		204	10000	334	SY	SUBGRADE COMPACTION		
						001		39		39		209	15000	39		RESHAPING UNDER GUARDRAIL		
						21				21		209	60500	21		LINEAR GRADING		
			17,18							17.18		209	72050	17.18		PREPARING SUBGRADE FOR SHOULDER PAVING		
								2,444		2,444		606	15050	2,444		GUARDRAIL, TYPE MGS		
								,		<u> </u>			1	-,,		,		
					1			300		300		606	15100	300	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS		
								113		113		606	17360	113		GUARDRAIL, TYPE MGS, LONG-SPAN		
								22		22		606	26150	22		ANCHOR ASSEMBLY, MGS TYPE E, MASH2016		
								5		5		606	26550	5	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
								3		3		606	35002	3	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		
								1		1		606	35003	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	7	
		1								1		623	39500	1	EACH	MONUMENT BOX ADJUSTED TO GRADE		
																EROSION CONTROL		
								10		10		601	20000	10		CRUSHED AGGREGATE SLOPE PROTECTION		
								2,254		2,254		659	10000	2,254		SEEDING AND MULCHING		
								0.3		0,3		659	20000	0.3	TON	COMMERCIAL FERTILIZER		
								13		13		659	35000	13	MGAL	WATER		
										10,000		832	30000	10,000	EACH	EROSION CONTROL		
																PRANCE -		
		20								20		C44	04000	20	ГТ	DRAINAGE		
1								4		20		611	04600	20	FT	12" CONDUIT, TYPE C		
		20			1			5		4		611 611	98150	4 5		CATCH BASIN, NO. 3 CATCH BASIN ADJUSTED TO GRADE		
		20			1					1 5 1								
		20								5			98630					
		20						2		2		611	98630	2		CATCH BASIN RECONSTRUCTED TO GRADE		
		20								 								
		20								 						CATCH BASIN RECONSTRUCTED TO GRADE		
										2		611	98634	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE PAVEMENT		
		4,366				177.531	2.012			4,366		611 253	98634	4,366	EACH	CATCH BASIN RECONSTRUCTED TO GRADE PAVEMENT PAVEMENT REPAIR	7	
		4,366				177,531	2,012			4,366 179,543		611 253 254	98634 02000 01001	4,366 179,543	EACH CY SY	CATCH BASIN RECONSTRUCTED TO GRADE PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4"	7	
						75	2,012			4,366 179,543 107		611 253	98634 02000 01001 46000	4,366 179,543 107	CY SY CY	CATCH BASIN RECONSTRUCTED TO GRADE PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22	7	
		4,366					2,012			4,366 179,543		253 254 301	98634 02000 01001	4,366 179,543	CY SY CY CY	CATCH BASIN RECONSTRUCTED TO GRADE PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4"	7	
		4,366				75 56				4,366 179,543 107 56		253 254 301 304	98634 02000 01001 46000 20000 20000	4,366 179,543 107 56	CY SY CY CY GAL	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT	7	
		4,366	43			75 56				4,366 179,543 107 56		253 254 301 304	98634 02000 01001 46000 20000	4,366 179,543 107 56	CY SY CY CY GAL	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (444), AS PER PLAN B	7 8A	
		4,366	43			75 56 24,902	282			2 4,366 179,543 107 56 25,184		253 254 301 304 407	98634 02000 01001 46000 20000 20000 10001 10101	4,366 179,543 107 56 25,184	CY SY CY CY GAL	PAVEMENT PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B	8A /	
		4,366	+			75 56 24,902 7,224	282			2 4,366 179,543 107 56 25,184 7,401		253 254 301 304 407	98634 02000 01001 46000 20000 20000 10001 10101 2000	4,366 179,543 107 56 25,184	CY SY CY CY GAL CY CY CY	PAVEMENT PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B	▶ 8A ✓	
		4,366	+			75 56 24,902 7,224 8,425	282			2 4,366 179,543 107 56 25,184 7,401 8,627		253 254 301 304 407 442 442	98634 02000 01001 46000 20000 20000 10001 10101 29001	4,366 179,543 107 56 25,184) 7,401 8,627	CY SY CY GAL CY CY GAL	PAVEMENT PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN A, PG76-22M	8A /	
		4,366	+			75 56 24,902 7,224 8,425 191	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191		253 254 301 304 407 442 442 442	98634 02000 01001 46000 20000 20000 10001 10101 20001 20001 12000	2 4,366 179,543 107 56 25,184) 7,401) 8,627 191	CY SY CY GAL CY CY GAL	PAVEMENT PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN A, PG76-22M	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50		253 254 301 304 407 442 442 442 442 609	98634 02000 01001 46000 20000 20000 10001 10101 20201 12000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50	CY SY CY GAL CY CY GAL CY CY CY THE CY THE COMMENT OF THE COMMENT O	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN A ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A COMBINATION CURB AND GUTTER, TYPE 2	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50		253 254 301 304 407 442 442 442 442 609	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137	CY SY CY CY GAL CY CY CY CY CY CY CY CY CY	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN A ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50		253 254 301 304 407 442 442 442 442 609 617 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	CY SY CY GAL CY CY GAL CY MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50	11	253 254 301 304 407 442 442 442 442 609 617 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	
		4,366	+			75 56 24,902 7,224 8,425 191 222 2,137 21	282			2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21	11	253 254 301 304 407 442 442 442 442 609 617 618 618	98634 02000 01001 46000 20000 10001 10101 29001 12000 10100 41000 43000	2 4,366 179,543 107 56 25,184 7,401 8,627 191 222 50 2,137 21 11	CY SY CY GAL CY CY GAL CY CY CY CY CY CY MILE MILE	PAVEMENT PAVEMENT REPAIR PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN, 3 1/4" ASPHALT CONCRETE BASE, PG64-22 AGGREGATE BASE NON-TRACKING TACK COAT ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), AS PER PLAN B ASPHALT CONCRETE SURFACE COURSE, 19 MM, TYPE A (448), AS PER PLAN A, PG76-22M COMBINATION CURB AND GUTTER, TYPE 2 COMPACTED AGGREGATE RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	8A 8A	

									⋖	202	SPECIAL	204	254	209	301	304	407	407	442	442	442	442	442	617	618	618	874	
	STATI	ON F	RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	PAVEMENT REMOVED, AS PER PLAN	EXCAVATION	SUBGRADE COMPACTION	AVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	LINEAR GRADING	PHALT CONCRETE BASE, PG64- 22	AGGREGATE BASE	NON-TRACKING TACK COAT	NON-TRACKING TACK COAT	ASPHALT CONCRETE SURFACE OURSE, 12.8 MM-TYPEN (446), AS PER PLAN B	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446) 1 3/4"	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TWPE A(448), AS PER PUAN A	ASPHALT CONCRETE INTERMEDIATE COURSE TOWN TYPE A (446), AS PER PLAN B	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448), AS PER PLANA, 1 3/4"	COMPACTED AGGREGATE	EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)	CENTER LINE, RUMBLE STRIPE (ASPHALT CONCRETE)	LONGITUDINAL JOINT PREPARATION	
						FT	FT	SY	SY	SY	CY	SY	SY	MILE	SA	CY	GAL	GAL	[∢] S CY	CY		€ CY	∠ ⊢ CY	CY	MILE	MILE	FT	
	400 - 00 00	TO	400.04.70		LT/DT				01	01	01	01			01	01				01	01		01					
	129+80.00	ТО	130+64.79	A	LT/RT	84.79	29.00	273.21					273.21	0.03			15.03	23.22	11.38			13.28		3.40	0.02	0.02	84.79	
	0+00.00 0+95.00	TO	0+95.00 1+21.00	A	LT/RT LT/RT	95.00 26.00	26.50 26.00	279.72 75.11					279.72 75.11	0.04			15.38 4.13	23.78 6.38	11.66 3.13			13.60 3.65		3.81 1.04	0.04 0.01	0.02	95.00 26.00	
	1+21.00	TO		A	LT/RT	184.00	26.00	531.56					531.56	0.07			29.24	45.18	22.15			25.84		7.38	0.07	0.03	184.00	
	3+05.00	ТО	24+17.33	A	LT/RT	2112.33	30.00	7041.10					7041.10	0.80			387.26	598.49	293.38			342.28		84.75	0.80	0.40	2112.33	
	24+17.33 82+01.16	TO	82+01.16 105+01.71	B C	LT/RT LT/RT	5783.83 2300.55	30.00	19279.43 7668.50					19279.43 7668.50	2.19 0.87			1060.37 421.77	1638.75 651.82	803.31 319.52			937.19 372.77		232.07 92.31	2.19 0.87	1.10 0.44	5783.83 2300.55	(0
	105+01.71	TO	128+98.60	D	LT/RT	2396.89	30.00	7989.63					7989.63	0.91			439.43	679.12	332.90			388.38		96.17	0.07	0.45	2396.89	CULATIONS
	128+98.60	ТО		С	LT/RT	1952.78	30.00	6509.27					6509.27	0.74			358.01	553.29	271.22			316.42		78.35	0.74	0.37	1952.78	<u>0</u>
	148+51.38	TO		В	LT/RT	8058.62	30.00	26862.07					26862.07	3.05			1477.41	2283.28	1119.25			1305.79		323.34	3.05	1.53	8058.62	\
	229+10.00 238+35.00	TO	238+35.00 338+49.98	B B	LT/RT LT/RT	925.00 10014.98	28.00 30.00	2877.78 33383.27					2877.78 33383.27	0.35 3.79			158.28 1836.08	244.61 2837.58	119.91 1390.97			139.89 1622.80		37.11 401.84	0.35 3.79	0.18 1.90	925.00 10014.98	i i
<u> </u>	338+49.98	TO		E	LT/RT	297.96	30.00	993.20					993.20	0.11			54.63	84.42	41.38			48.28		11.96	0.11	0.06	297.96	5
)01.dç	341+47.94	ТО	344+87.15	D	LT/RT	339.21	30.00	1130.70					1130.70	0.13			62.19	96.11	47.11			54.96		13.61	0.13	0.06	339.21	AL(
0007	344+87.15	TO	347+50.00	C	LT/RT	262.85	30.00	876.17					876.17	0.10			48.19	74.47	36.51		40.00	42.59	47.00	10.55	0.10	0.05	262.85	C
5264	347+50.00	TO	350+45.10	С	LT/RT	295.10	30.00	983.67					983.67	0.11			54.10	83.61			40.99		47.82	11.84	0.11	0.06	295.10	_
18/8	350+45.10	ТО	353+50.00	F	LT/RT	304.90	30.00	1016.33					1016.33	0.12			55.90	86.39			42.35		49.41	12.23	0.12	0.06	304.90	Z
Shee	353+50.00	ТО		F	LT/RT	4195.97	30.00	13986.57					13986.57	1.59			769.26	1188.86	582.77			679.90		168.36	1.59	0.79	4195.97	M
8/60	395+45.97 401+45.97	TO	401+45.97 402+70.53	D	LT/RT LT/RT	600.00 124.56	30.00	2000.00 415.20					2000.00 415.20	0.23			110.00 22.84	170.00 35.29	83.33 17.30			97.22 20.18		24.07 5.00	0.23 0.05	0.11 0.02	600.00 124.56	Æ.
*ppo	402+70.53	TO	403+20.53	G	LT/RT	50.00	30.00	166.67		166.67	79.86	166.67	413.20	0.03	37.04	27.78	9.17	14.17	17,50	8.10		8.10		2.01	0.03	0.02	50.00	PAVEMENT
ering\R	SEN-23-0764	(SEE S	SHEET NO. 44)																									ш
gine	403+69.82	ТО	404+19.82	G	LT/RT	50.00	30.00	166.67		166.67	79.86	166.67		0.02	37.04	27.78	9.17	14.17		8.10		8.10		2.01	0.02	0.01	50.00	
0-En	403+09.82	TO	405+45.97	F	LT/RT	126.15	30.00	420.50		100.07	79.00	100.07	420.50	0.02	37.04	21.10	23.13	35.74	17.52	0.10		20.44		5.06	0.02 0.05	0.01	50.00 126.15	
4/40	405+45.97	TO		D	LT/RT	700.00	30.00	2333.33					2333.33	0.27			128.33	198.33	97.22			113.43		28.09	0.27	0.13	700.00	
3526	412+45.97	ТО	442+21.77	F	LT/RT	2975.80	30.00	9919.33					9919.33	1.13			545.56	843.14	413.31			482.19		119.40	1.13	0.56	2975.80	
3\D06	SEN-23-0833	(SEE S	SHEET NO. 52)	F		11.51	30.00	38.37					38.37	0.02			2,11	3.26	1.60			1,87					11.51	
Sene		(SLL C	,	'																								
10+ 02	442+33.28	ТО	526+58.00	F	LT/RT	8424.72	30.00	28082.40					28082.40	3.19			1544.53	2387.00	1170.10			1365.12		338.03	3.19	1.60	8424.72	
-maas s∖Distr																												
šER: † jects	l	J.S. 22	24				-			-																		
Pro	52+00.00	ТО	53+63.00	Н	LT/RT	163.00	32.00	579.56					579.56	0.06			31.88	49.26			24.15		28.17	6.54	0.06	0.03	163.00	
2 AM tive	53+63.00	ТО		I.	LT/RT	86.00	32.00	305.78					305.78	0.03			16.82	25.99			12.74		14.86	3.45	0.03	0.02	86.00	
:25:5, 01 Ac	54+49.00	ТО	55+02.00	I	LT/RT	53.00			451.11				451.11	0.02			24.81	38.34			18.80		21.93	2.13	0.02	0.01	53.00	
ME: 9; 1+s/(55+35.00	ТО	56+36.00	l	LT/RT	101.00			645.00				645.00	0.04	+		35.48	54.83			26.88		31.35	4.05	0.04	0.02	101.00	
VZI TIII	56+36.00	ТО		İ	LT/RT	164.00	32.00	583.11					583.11	0.06			32.07	49.56			24.30		28.35	6.58	0.06	0.03	164.00	
.2/20 \Doo																												DESIGN AGENCY
: 2/2 w-02																												
) DATE odot-p																												
17xII (in.) com:ohi																												
SEN-23-0.00 MODEL: Sheet PAPERSIZE: I																												DESIGNER TLM
PAP PW.b		+															-											REVIEWER
-2;		+																										JMF 07-31-20 PROJECT ID
Z e.																												85264
SE					TOTALS	CARRIEI) TO GE	SUE NERAL SU	SIUIALS IMMADV	333.33 334	159.72 160	333.33 334	177530.97 177531	20.19	74.07 75	55.56 56	9782.54 9783	15118.47 15119	7206.93 7207	16.20 17	190.19 191	8424.29 8425	221.89 222	2136.53 2137	20.15 21	10.09 11	53260.50 53261	SHEET TOTAL P.14 53
					IVIALS	CHINITE	- 10 UL		<u> </u>	, 55 7	100	. 557	., .,,,,,,,		, ,,	, 55	, 0,00	, 10110	1201	,	, 101	. 3120					, 30201	