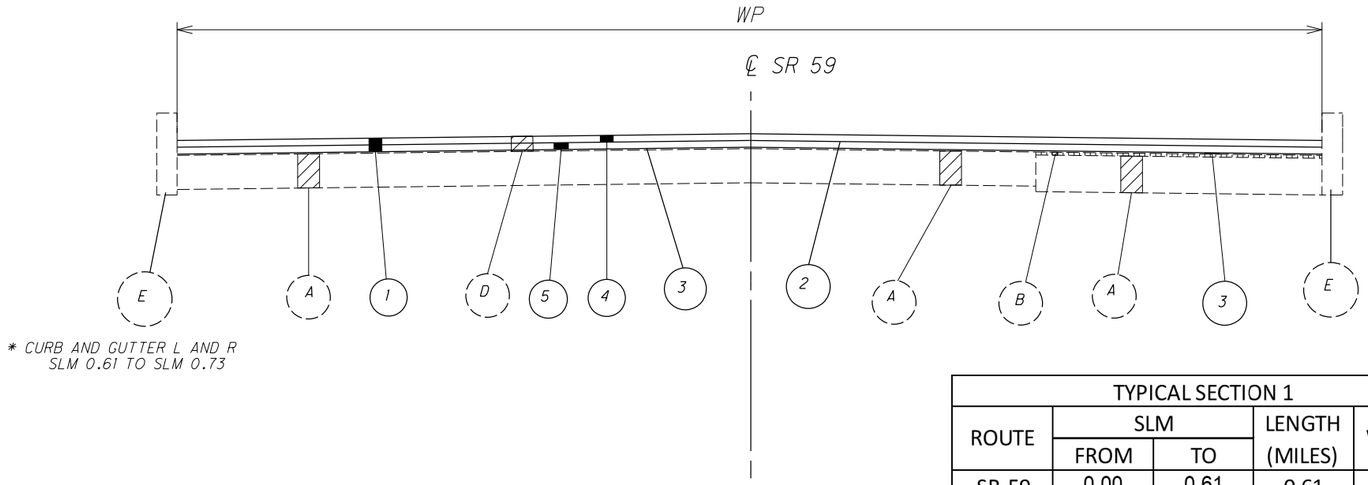
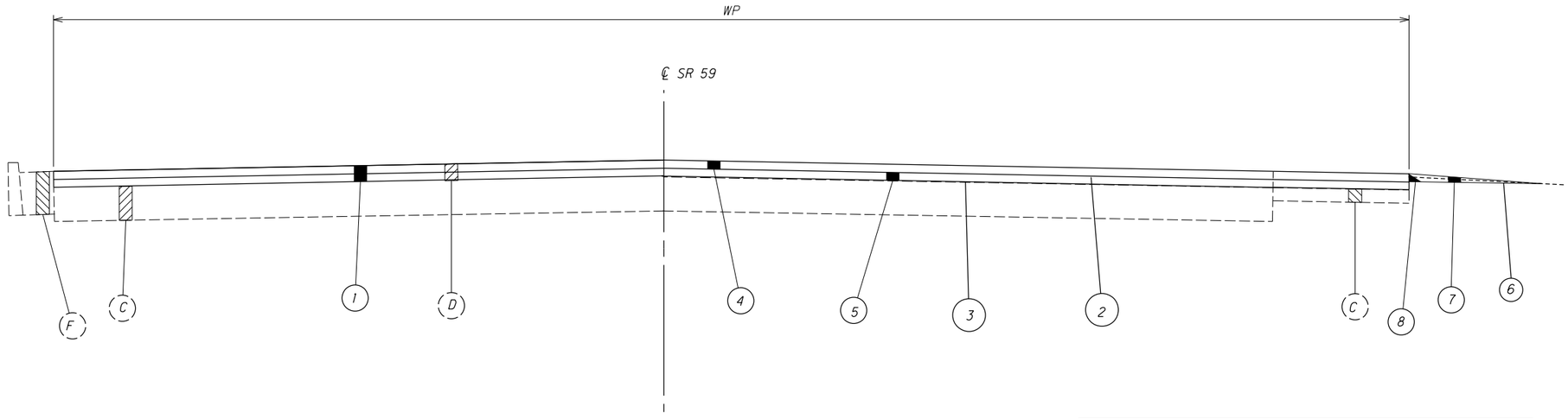
TYPICAL SECTION 1



* CURB AND GUTTER L AND R
SLM 0.61 TO SLM 0.73

TYPICAL SECTION 1				
ROUTE	SLM		LENGTH (MILES)	WP (FT)
	FROM	TO		
SR-59	0.00	0.61	0.61	42.00

TYPICAL SECTION 2



TYPICAL SECTION 2				
ROUTE	SLM		LENGTH (MILES)	WP (FT)
	FROM	TO		
SR-59	1.26	1.43	0.17	68.00

LEGEND

1. ITEM 254, PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T=2")
2. ITEM 407. NON-TRACKING TACK COAT @ 0.06 GAL/SY
3. ITEM 407. NON-TRACKING TACK COAT @ 0.09 GAL/SY
4. ITEM 424, FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN (T=3/4")
5. ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (T=1 1/4")
6. ITEM 408, PRIME COAT, AS PER PLAN @ 0.40 GAL/SY
7. ITEM 617, COMPACTED AGGREGATE AS PER PLAN
8. SAFETEY EDGE - SEE SCD BP-3.2

A. EXISTING CONCRETE BASE
B. EXISTING BRICK
C. EXISTING BITUMINOUS AGGREGATE BASE
D. EXISTING ASPHALT PAVEMENT
E. EXISITING CURB
F. EXISTING CURB AND GUTTER

TYPICAL SECTIONS

POR-43D/59-VAR

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, THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE OHIO & GAS PROCEDURES UNDERGROUND PROTECTION SERVICE (OGPUPS), THE OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 4 HEADQUARTERS AND ALL NON REGISTERED UTILITY OWNERS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN ALL AREAS.

OUPS 1-800-362-2764 (CONTACT LIMITED BASIS PARTICIPANTS DIRECTLY)
OGPUPS 1-800-925-0988
ODOT 330-786-2267 MICHELLE CHANEY

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.

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.

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.

PAVEMENT MARKING LANE WIDTHS

THE NORMAL LANE WIDTH FOR THE PAVEMENT MARKINGS ON THIS PROJECT SHALL BE AS FOLLOWS [AT 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
SR 59	0.00 TO 0.61	10FT
SR 59	0.61 TO 1.51	12FT
SR 43D	0.52 TO 0.63	12FT

INTERSECTIONS

INTERSECTIONS WILL BE RESURFACED 10 FT. BEYOND THE EDGE LINE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR INDICATED IN THE PLAN. INTERSECTIONS SHALL BE PAVED AFTER COMPLETION OF THE SURFACE COURSE. A BUTT JOINT, AS PER STANDARD CONSTRUCTION DRAWING BP-3.1, SHALL BE USED TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT. USE THE SAME ASPHALT CONCRETE AS THE MAINLINE PAVEMENT UNLESS SHOWN OTHERWISE ON THE ASPHALT CONCRETE CALCULATIONS SHEET. ANY GRADING OR PRIME NECESSARY TO ACCOMPLISH THIS WORK SHALL BE INCLUDED IN THE COST OF THE PERTINENT BID ITEM.

PAVEMENT MARKING DETAILS

THE PAVEMENT MARKING DETAIL SHEETS WILL BE SUPPLIED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

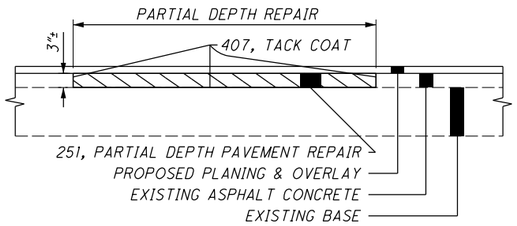
ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)

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 COMPLETION 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:

SR 59: SLM 0.00 TO 0.61
251, PARTIAL DEPTH PAVEMENT REPAIR (441), 2500 SQ. YD.

SR 59: SLM 0.61 TO SLM 0.80
251, PARTIAL DEPTH PAVEMENT REPAIR (441), 1000 SQ. YD.

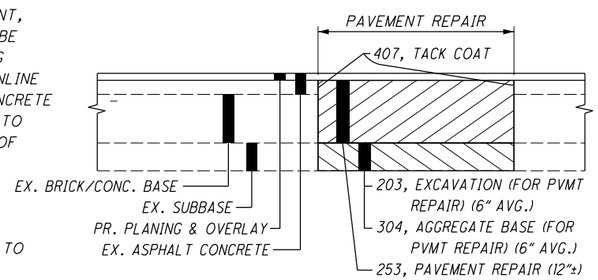
SR 59: SLM 0.80 TO SLM 1.51
251, PARTIAL DEPTH PAVEMENT REPAIR (441), 500 SQ. YD.



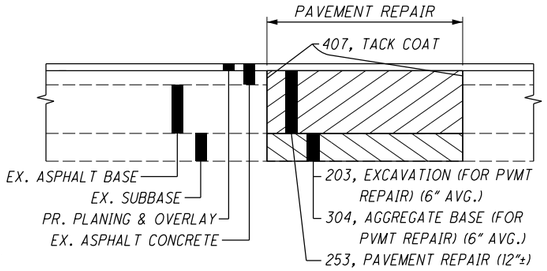
ITEM 253 - PAVEMENT REPAIR

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 MAINLINE PAVEMENT PLANING. ALSO, THIS ITEM 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:

SR 59: SLM 0.00 TO 0.61 (BRICK/CONC. BASE)
252, FULL DEPTH PAVEMENT SAWING, 9450 FT
253, PAVEMENT REPAIR (441), 1500 SQ. YD.



SR 59: SLM 0.61 TO SLM 0.80 (ASPHALT BASE)
253, PAVEMENT REPAIR (441), 500 SQ. YD.



ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED IN CONFORMANCE WITH ITEM 254 IN THE CMS EXCEPT THE DEPTH SHALL VARY FROM 2" TO THE TOP OF THE BRICK OR CONCRETE WHICHEVER IS FIRST. THIS WORK SHALL BE PERFORMED SO THAT THE BRICK BASE IS NOT DISTURBED. ALL EQUIPMENT, LABOR, TOOLS, AND OTHER INCIDENTALS REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.

ITEM 203 - EXCAVATION (FOR PAVEMENT REPAIR)

THIS ITEM OF WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL UNSUITABLE MATERIAL BY EXCAVATING THE EXISTING SUBGRADE AND SUBBASE TO AN AVERAGE DEPTH OF 6 INCHES OR AS DIRECTED BY THE ENGINEER. EXACT LIMITS OF REMOVAL SHALL BE DETERMINED BY THE ENGINEER. ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION (FOR RIGID REPLACEMENT). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

203, EXCAVATION (FOR PAVEMENT REPAIR) 334 CU YD

ITEM 304 - AGGREGATE BASE (FOR PAVEMENT REPAIR)

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED AND SHALL BE USED AS DIRECTED BY THE ENGINEER TO BACKFILL AREAS WHICH WERE EXCAVATED UNDER ITEM 203 EXCAVATION (FOR PAVEMENT REPAIR). THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

304, AGGREGATE BASE (FOR PAVEMENT REPAIR) 334 CU YD

ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN

703.05 DO NOT USE ANY 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 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN
ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN
ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 611.10.D FOR MANHOLES, 623.05 FOR MONUMENT BOXES, OR 638.18 FOR VALVE BOXES, THE CONTRACTOR WILL MAKE A CLEAN CIRCULAR CUT AROUND THE CASTING (A MINIMUM OF 1-0" OUTSIDE OF THE CASTING) AND ADJUST THE CASTING TO GRADE (ACCORDING TO THE TOLERANCES AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1) AFTER THE PAVEMENT SURFACE COURSE HAS BEEN PLACED.

CMS 499 CLASS QCMS CONCRETE (DYE THE CONCRETE SUCH THAT ITS COLOR CLOSELY MATCHES THE COLOR OF THE SURROUNDING PAVEMENT) WILL BE USED FOR BACKFILLING THE FULL PAVEMENT SECTION AND THE JOINT BETWEEN THE ASPHALT AND CONCRETE WILL BE SEALED WITH CMS 702.01 PG BINDER. EPOXY COATED REBAR SHALL BE PLACED IN THE CONCRETE AT 6" MAXIMUM ON CENTER AND A MINIMUM OF 3.5" CLEARANCE FROM THE TOP, BOTTOM AND SIDES. THE CONCRETE WILL BE VIBRATED SUFFICIENTLY TO ELIMINATE AIR POCKETS UNDER THE FRAME.

PAYMENT WILL INCLUDE REMOVAL OF THE EXISTING MATERIAL, INSTALLATION AND FURNISHING OF A NEW CASTING, AND ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS ITEM OF WORK AS DESCRIBED.

ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN, 18 EACH
ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN, 6 EACH
ITEM 638 - VALVE BOX ADJUSTED TO GRADE, AS PER PLAN, 17 EACH

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.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, 7 EACH

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, 1 EACH

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CHECKED MAC

GENERAL NOTES

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SHEET NUM.												PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
			4	5	6	7	10	11	12			01/S>2/PV	02/S>2/PV		EXT	TOTAL			
																		ROADWAY	
							3						3	202	23000	3	SY	PAVEMENT REMOVED	
							1,149						1,149	202	30000	1,149	SF	WALK REMOVED	
							38						38	202	32000	38	FT	CURB REMOVED	
							15						15	202	32500	15	FT	CURB AND GUTTER REMOVED	
			334										334	203	10000	334	CY	EXCAVATION (FOR PAVEMENT REPAIR)	
				11								11		209	60200	11	STA	LINEAR GRADING	
							447						447	608	10000	447	SF	4" CONCRETE WALK	
							698						698	608	52000	698	SF	CURB RAMP	
							8						8	608	53020	8	SF	DETECTABLE WARNING	
			6									6		623	39501	6	EACH	MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN	4
																		EROSION CONTROL	
				306								306		659	10000	306	SY	SEEDING AND MULCHING	
				0.04								0.04		659	20000	0.04	TON	COMMERCIAL FERTILIZER	
				0.06								0.06		659	31000	0.06	ACRE	LIME	
				1.65								1.65		659	35000	1.65	MGAL	WATER	
												3,000		832	30000	3,000	EACH	EROSION CONTROL	
																		DRAINAGE	
			7									7		611	98630	7	EACH	CATCH BASIN ADJUSTED TO GRADE	
			1									1		611	98634	1	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	
			18									18		611	99655	18	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	4
																		PAVEMENT	
			4,000										4,000	251	01000	4,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
			9,450										9,450	252	01500	9,450	FT	FULL DEPTH PAVEMENT SAWING	
			2,000										2,000	253	01000	2,000	SY	PAVEMENT REPAIR	
								51,675				51,675		254	01001	51,675	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	4
												360		254	01600	360	SY	PATCHING PLANED SURFACE	
			334										334	304	20000	334	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	
								7,752				7,752		407	20000	7,752	GAL	NON-TRACKING TACK COAT	
								324				324		408	10001	324	GAL	PRIME COAT, AS PER PLAN	4
								1,077				1,077		424	10001	1,077	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN	4
								1,795				1,795		441	50200	1,795	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T=1 1/4")	
							3						3	452	12010	3	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P (COMMERICIAL DRIVEWAYS)	
							15						15	609	12000	15	FT	COMBINATION CURB AND GUTTER, TYPE 2	
								45				45		617	10101	45	CY	COMPACTED AGGREGATE, AS PER PLAN	5
																		WATER WORK	
			17									17		638	10801	17	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	4
																		TRAFFIC CONTROL	
									0.83			0.83		646	10010	0.83	MILE	EDGE LINE, 6"	10
									3.2			3.2		646	10110	3.2	MILE	LANE LINE, 6"	10
									1.6			1.6		646	10200	1.6	MILE	CENTER LINE	10
									2,050			2,050		646	10300	2,050	FT	CHANNELIZING LINE, 8"	
									418			418		646	10400	418	FT	STOP LINE	
									2,849			1,129	1,720	646	10500	2,849	FT	CROSSWALK LINE	
									1,784			1,784		646	10600	1,784	FT	TRANSVERSE/DIAGONAL LINE	
									114			114		646	10800	114	SF	ISLAND MARKING	
									43			43		646	20300	43	EACH	LANE ARROW	
																		TRAFFIC SIGNALS	
						5						5		632	26501	5	EACH	DETECTOR LOOP, AS PER PLAN	7

CALCULATED DRJ
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GENERAL SUMMARY

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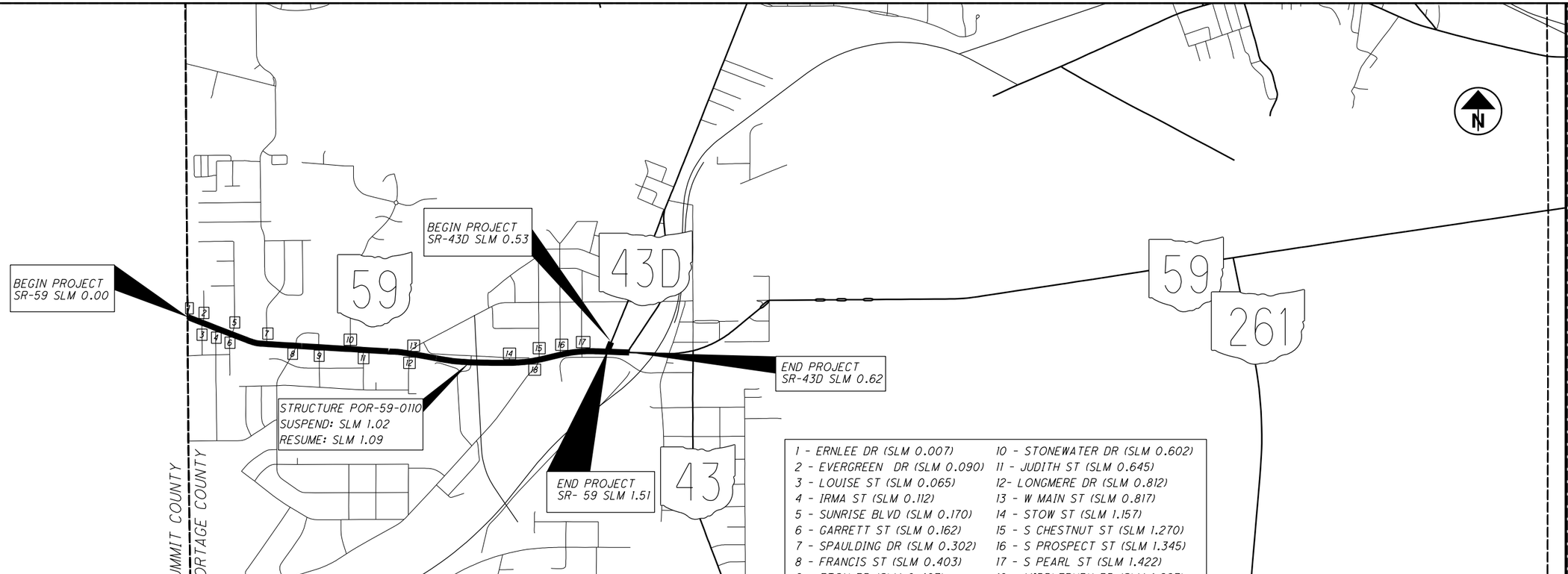

CALCULATED DRJ
CHECKED MAC

PAVEMENT CALCULATIONS

SLM RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA			407 NON-TRACKING TACK COAT @ 0.06 GAL/SY	407 NON-TRACKING TACK COAT @ 0.09 GAL/SY	424 FINE GRADED POLYMER ASPHALT CONCRETE, TYPE A, AS PER PLAN(T=3/4")	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (T=1 1/4")	617 COMPACTED AGGREGATE, AS PER PLAN (T = 2")	408 PRIME COAT, AS PER PLAN @ 0.4 GAL/SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (T = 2")									
					FT	FT	SY	SY			GAL	GAL	CY	CY	CY	GAL	SY									
SR-59																										
0.00	TO	0.61	1		3220.80	42.00	15030.40				901.82	1352.74	313.13	521.89			15030.40									
0.61	TO	0.93	4		1689.60	60.00	11264.00				675.84	1013.76	234.67	391.11			11264.00									
0.93	TO	0.97	3		211.20	76.00	1783.47				107.01	160.51	37.16	61.93	5.21	37.55	1783.47									
0.97	TO	1.01	3		211.20	68.00	1595.73				95.74	143.62	33.24	55.41	5.21	37.55	1595.73									
1.01	TO	1.02	3		52.80	64.00	375.47				22.53	33.79	7.82	13.04	1.30	9.39	375.47									
1.09	TO	1.10	3		52.8	64.00	375.47				22.53	33.79	7.82	13.04	1.30	9.39	375.47									
1.10	TO	1.26	3		844.80	76.00	7133.87				428.03	642.05	148.62	247.70	20.86	150.19	7133.87									
1.26	TO	1.43	2		897.60	68.00	6781.87				406.91	610.37	141.29	235.48	11.08	79.79	6781.87									
1.43	TO	1.51	4		422.40	60.00	2816.00				168.96	253.44	58.67	97.78			2816.00									
SR-59 INTERSECTIONS					10.00	VARIES		1265.00			75.90	113.85	26.35	43.92			1265.00									
SR-43D																										
0.53	TO	0.62	4		475.20	60.00	3168.00				190.08	285.12	66.00	110.00			3168.00									
SR-43D INTERSECTIONS					10.00	VARIES		85.00			5.10	7.65	1.77	2.95			85.00									
									SUBTOTALS		3100.46	4650.68	1076.55	1794.25	44.98	323.84	51674.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
									TOTALS CARRIED TO GENERAL SUMMARY		3101	4651	1077	1795	45	324	51675	0	0	0	0	0	0	0	0	0

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