

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

DEL-257-1.53

LIBERTY TOWNSHIP CONCORD TOWNSHIP DELAWARE COUNTY

PROJECT DESCRIPTION

RESURFACING PROJECT TO INCLUDE:
PLANING AND ASPHALT OVERLAY OF 5.8 MILES OF
SR 257 FROM 0.5 MILES NORTH OF SR 750 (SLM 1.53)
TO 250' SOUTH OF US 42 (SLM 7.77) IN DELAWARE COUNTY.

SUSPEND PAVING AT SLM 4.12 AND RESUME AT SLM 4.56,
SKIPPING THE ROUNDABOUT AT HOME ROAD.

PAVEMENT REPAIRS IN VARIOUS LOCATIONS FROM
0.3 MILES NORTH OF SR 750 (SLM 1.35) TO US 42 (7.77).

PAVEMENT MARKING/LANE USE CHANGES FROM 0.14 MILES
NORTH OF SR 750 (SLM 1.19) TO BEGIN PROJECT (SLM 1.53).

VARIOUS GUARDRAIL UPGRADES IN VARIOUS LOCATIONS.

SEALING OF STRUCTURE DEL-257-3.08 WITH
GRAVITY FED RESIN.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A*
NOTICE OF INTENT EARTH DISTURBED AREA: N/A*
*MAINTENANCE PROJECT

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.

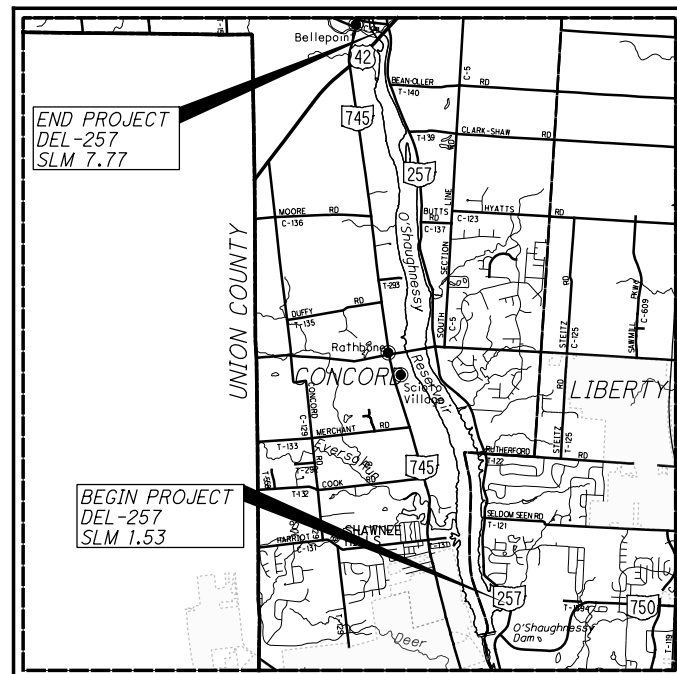
I HEREBY APPROVE THESE PLANS AND DECLARE THAT
THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE
THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT
PROVISIONS FOR THE MAINTENANCE AND SAFETY OF
TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND
ESTIMATES.

APPROVED: 
DISTRICT DEPUTY DIRECTOR

DATE: 10/24/19

APPROVED: _____
DIRECTOR, DEPARTMENT OF
TRANSPORTATION

DATE: _____



LOCATION MAP

LATITUDE: 40°12'05" LONGITUDE: 83°08'10"



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION

CURRENT ADT (2020)	9,200	
DESIGN YEAR ADT (2032)	11,000	
DESIGN HOURLY VOLUME (2032)	990	
DIRECTIONAL DISTRIBUTION	56%	
TRUCKS (24 HOUR B&C)	7%	
DESIGN SPEED	55 MPH	
LEGAL SPEED	55 MPH	
DESIGN FUNCTIONAL CLASSIFICATION:	SLM 1.05-4.35	04 MINOR ARTERIAL (URBAN)
	SLM 4.35-5.69	05 MAJOR COLLECTOR (URBAN)
	SLM 5.69-7.80	05 MAJOR COLLECTOR (RURAL)
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE


UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

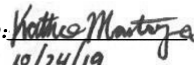


OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:


ENGINEERS SEAL:



SIGNED: 
DATE: 10/24/19

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	10/18/19	MGS-1.1	01/19/18	MT-97.10	04/19/19	TC-41.20	10/18/13	800	10/18/19
BP-3.2	01/18/19	MGS-2.1	01/19/18	MT-97.12	01/20/17	TC-42.20	10/18/13	821	04/20/12
BP-4.1	07/19/13	MGS-4.1	01/20/17	MT-101.90	07/21/17	TC-52.10	10/18/13	832	10/19/18
		MGS-4.2	07/19/13	MT-105.10	07/19/13	TC-52.20	07/20/18		
		MGS-4.3	01/18/13			TC-61.30	01/20/17		
DBR-2-73	07/19/02	MGS-5.2	07/15/16			TC-65.10	01/17/14		
DBR-3-11	07/15/11	MGS-5.3	07/15/16			TC-65.11	07/21/17		
		RM-1.1	07/18/14						
									SPECIAL PROVISIONS

FEDERAL PROJECT NO. E190(141)
PID NO. 107793
CONSTRUCTION PROJECT NO. -
RAILROAD INVOLVEMENT NONE
DEL-257-1.53
54

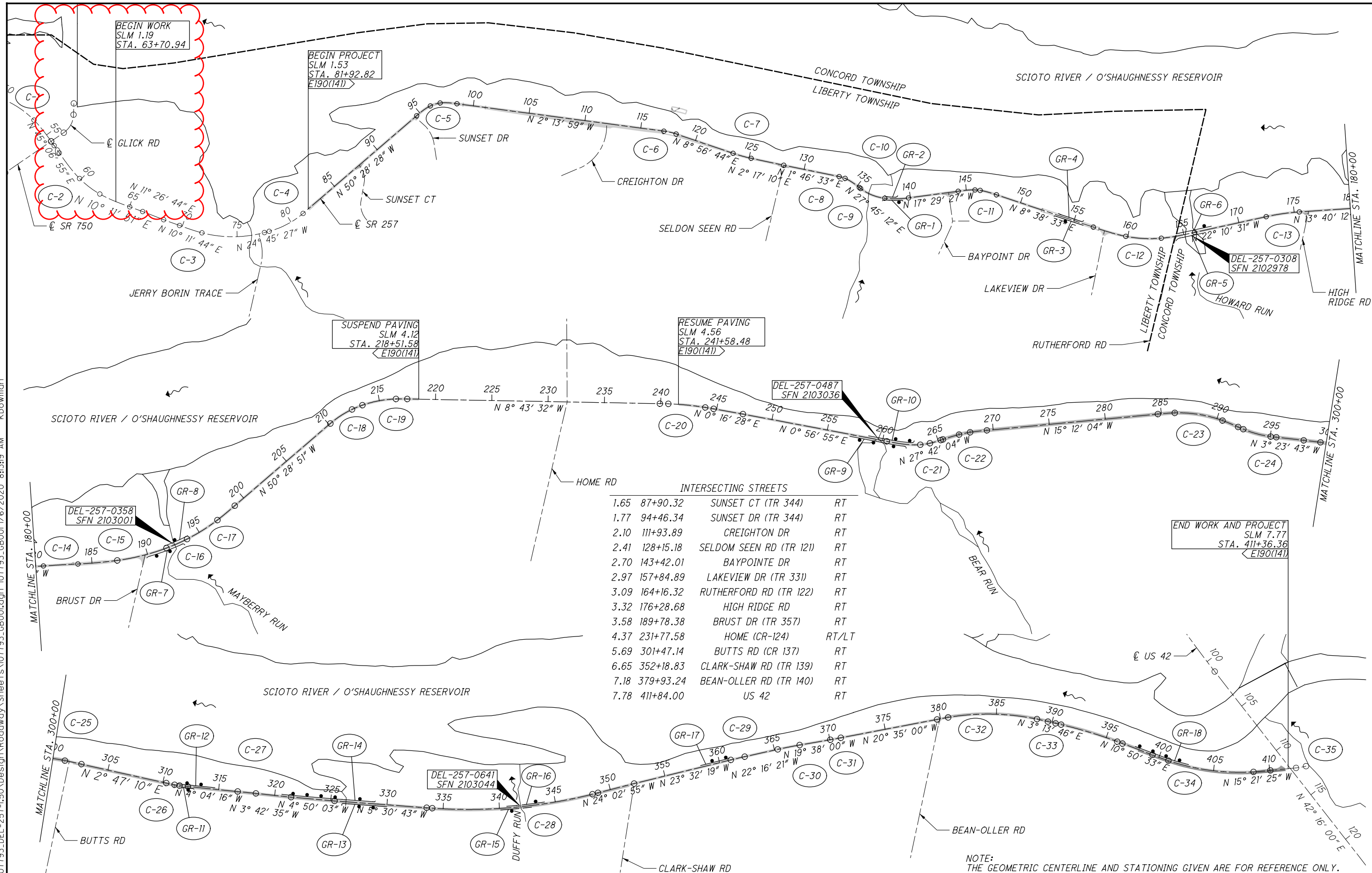
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SCHEMATIC PLAN

DEL-257-1.53



INTERSECTING STREETS

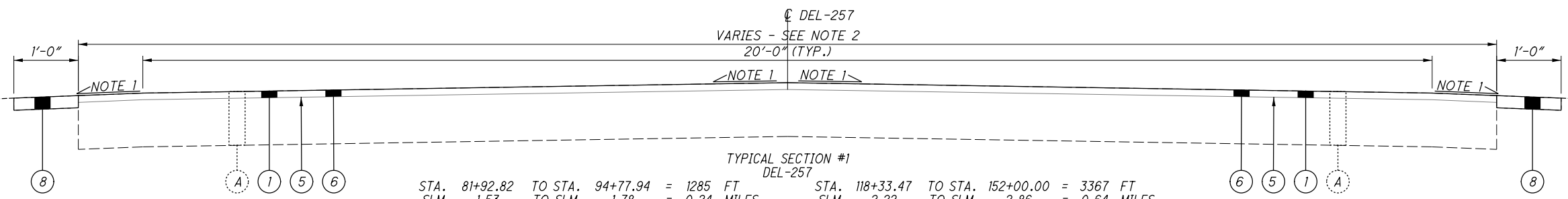
1.65	87+90.32	SUNSET CT (TR 344)	RT
1.77	94+46.34	SUNSET DR (TR 344)	RT
2.10	111+93.89	CREIGHTON DR	RT
2.41	128+15.18	SELDON SEEN RD (TR 121)	RT
2.70	143+42.01	BAYPOINTE DR	RT
2.97	157+84.89	LAKEVIEW DR (TR 331)	RT
3.09	164+16.32	RUTHERFORD RD (TR 122)	RT
3.32	176+28.68	HIGH RIDGE RD	RT
3.58	189+78.38	BRUST DR (TR 357)	RT
4.37	231+77.58	HOME (CR-124)	RT/LT
5.69	301+47.14	BUTTS RD (CR 137)	RT
6.65	352+18.83	CLARK-SHAW RD (TR 139)	RT
7.18	379+93.24	BEAN-OLLER RD (TR 140)	RT
7.78	411+84.00	US 42	RT

CATEGORY	GROUP	RESPONSIBLE ENTITY	PLAN SPLIT CODE	DESCRIPTION
STP > 200000	PAVEMENT	STATE	01/S>2/PV	DEL-257 1.53 TO 5.69
STP > 200000	BRIDGE	STATE	02/S>2/BR	Minor work on 2102978, DEL-257-3.08
STP RURAL	PAVEMENT	STATE	03/STR/PV	DEL-257 5.69 TO 7.77

NOTE:
THE GEOMETRIC CENTERLINE AND STATIONING GIVEN ARE FOR REFERENCE ONLY. THIS CENTERLINE SHOULD NOT BE USED TO TIE DOWN RIGHT-OF-WAY, CENTERLINE MONUMENTS, OR EXISTING PAVEMENT GEOMETRY. THIS CENTERLINE CAN BE USED FOR THE PURPOSE OF CONSTRUCTION LAYOUT STAKES AND SURVEYING.

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.
FOR CURVE DATA, SEE SHEET 3.

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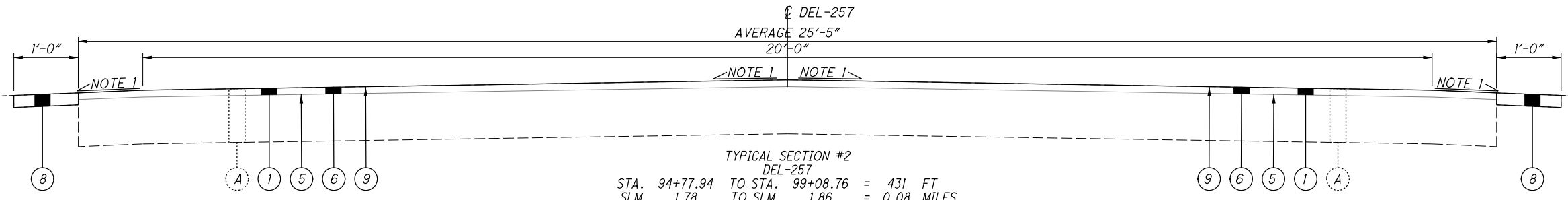
TYPICAL SECTION #1
DEL-257

STA. 81+92.82 TO STA. 94+77.94 = 1285 FT	STA. 118+33.47 TO STA. 152+00.00 = 3367 FT
SLM 1.53 TO SLM 1.78 = 0.24 MILES	SLM 2.22 TO SLM 2.86 = 0.64 MILES
STA. 99+08.76 TO STA. 117+00.00 = 1791 FT	STA. 157+31.13 TO STA. 218+51.58 = 6120 FT
SLM 1.86 TO SLM 2.20 = 0.34 MILES	SLM 2.96 TO SLM 4.12 = 1.16 MILES

SEE SHEET 5 FOR STA. 117+00.00 TO 118+33.47

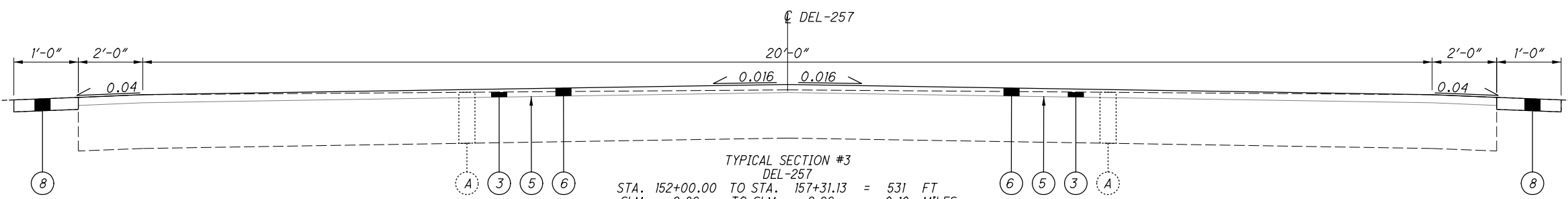
SUSPEND STA. 218+51.58 / RESUME STA. 241+58.48

STA. 241+58.48 TO STA. 408+86.36 = 16728 FT
SLM 4.56 TO SLM 7.73 = 3.17 MILES



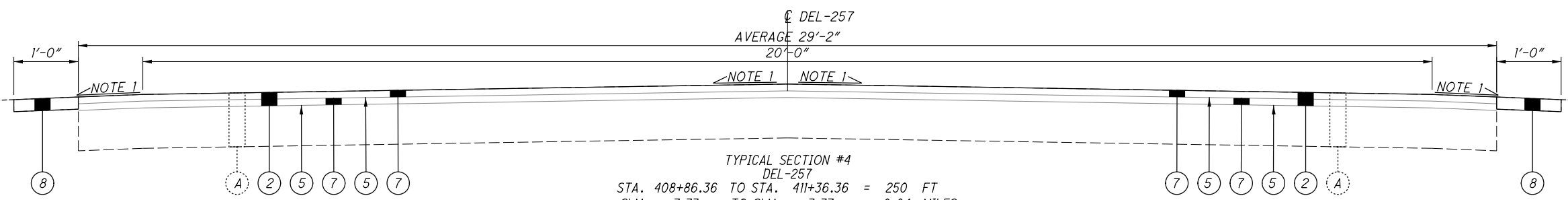
TYPICAL SECTION #2
DEL-257

STA. 94+77.94 TO STA. 99+08.76 = 431 FT
SLM 1.78 TO SLM 1.86 = 0.08 MILES



TYPICAL SECTION #3
DEL-257

STA. 152+00.00 TO STA. 157+31.13 = 531 FT
SLM 2.86 TO SLM 2.96 = 0.10 MILES



TYPICAL SECTION #4
DEL-257

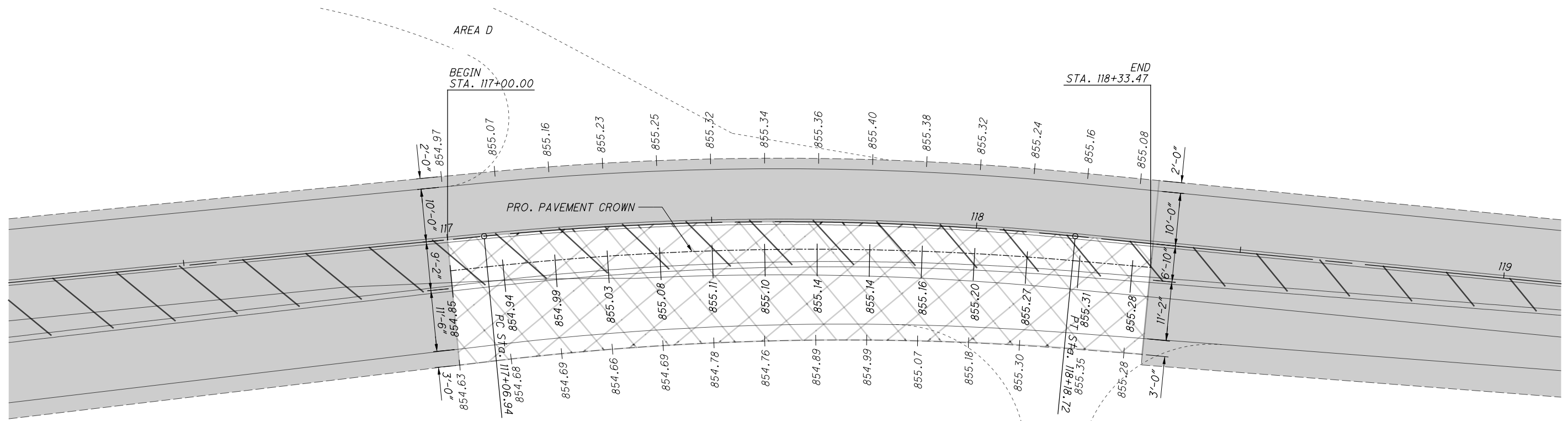
STA. 408+86.36 TO STA. 411+36.36 = 250 FT
SLM 7.73 TO SLM 7.77 = 0.04 MILES

LEGEND

- (A) EXISTING PAVEMENT
- (1) ITEM 254 - 1.50" PAVEMENT PLANING, ASPHALT CONCRETE
- (2) ITEM 254 - 3.00" PAVEMENT PLANING, ASPHALT CONCRETE
- (3) ITEM 254 - VARIABLE DEPTH (AVG. 1.0") PAVEMENT PLANING, ASPHALT CONCRETE (MIN. 0.5")
- (4) ITEM 254 - VARIABLE DEPTH (AVG. 2.0") PAVEMENT PLANING, ASPHALT CONCRETE (MIN 0.5")
- (5) ITEM 407 - NON-TRACKING TACK COAT (PER CMS TABLE 407.06-1)
- (6) ITEM 441 - 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22
- (7) ITEM 442 - 1.50" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)
- (8) ITEM 617 - 2.00" COMPACTED AGGREGATE
- (9) ITEM 888 - HIGH FRICTION SURFACE COURSE, SINGLE LIFT


NOTES:
1. MAINTAIN EXISTING CROSS SLOPES
2. SEE PAVEMENT SUBSUMMARY FOR DETAILED WIDTHS

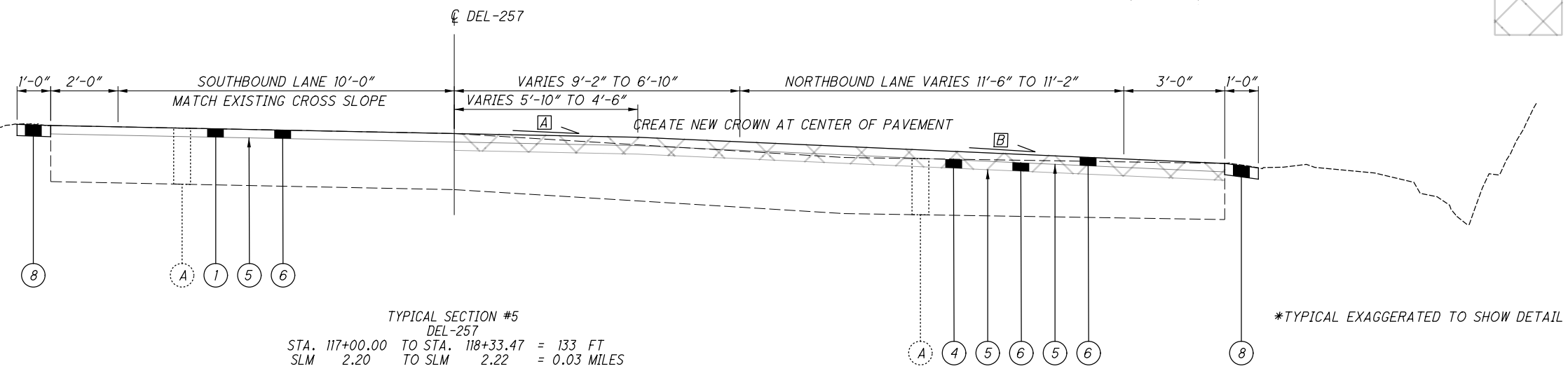
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THE INTENT OF THIS WORK IS TO CREATE POSITIVE DRAINAGE OFF OF THE ROADWAY SURFACE.

9241 RIVERSIDE DR


 CROWN CORRECTION WITH VARIABLE DEPTH MILL AND 3.0" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE



*TYPICAL EXAGGERATED TO SHOW DETAIL

LEGEND

- (A) EXISTING PAVEMENT
- (1) ITEM 254 - 1.50" PAVEMENT PLANING, ASPHALT CONCRETE
- (2) ITEM 254 - 3.00" PAVEMENT PLANING, ASPHALT CONCRETE
- (3) ITEM 254 - VARIABLE DEPTH (AVG. 1.0") PAVEMENT PLANING, ASPHALT CONCRETE (MIN. 0.5")
- (4) ITEM 254 - VARIABLE DEPTH (AVG. 2.0") PAVEMENT PLANING, ASPHALT CONCRETE (MIN 0.5")
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- (8) ITEM 617 - 2.00" COMPACTED AGGREGATE
- (9) ITEM 888 - HIGH FRICTION SURFACE COURSE, SINGLE LIFT

STATION	(A)	(B)	COMMENTS
117+00.00	-0.004	-0.013	MATCH EXISTING
117+10.00	-0.007	-0.014	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+20.00	-0.010	-0.017	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+30.00	-0.011	-0.021	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+40.00	-0.010	-0.022	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+50.00	-0.012	-0.019	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+60.00	-0.014	-0.020	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+70.00	-0.013	-0.015	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+80.00	-0.015	-0.009	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
117+90.00	-0.013	-0.005	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
118+00.00	-0.007	-0.001	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
118+10.00	0.002	0.002	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
118+20.00	0.009	0.002	CROSS SLOPE (A) TO MATCH EXISTING SOUTHBOUND CROSS SLOPE
118+30.00	0.016	0.000	MATCH EXISTING

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ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE:

THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE CONTRACTORS EQUIPMENT THAT MAY RESULT FROM THE PLANING OPERATION, INCLUDING DAMAGE CAUSED BY CASTINGS AND LOOP DETECTORS. THE DEPTH OF PLANING CLOSE TO THE CASTINGS SHALL BE AS DIRECTED; TO ACHIEVE A SMOOTH RIDING FINISHED PAVEMENT. GREAT CARE SHALL BE TAKEN TO PREVENT THE REMOVAL OF THE EXISTING PAVEMENT CROSS-SLOPE (CROWN) DURING THE PLANING OPERATIONS.

THE CONTRACTOR SHALL LIMIT THE PLANING OPERATION TO ONE LANE AT A TIME AS TO ENSURE THAT THE PROPOSED SURFACE COURSE IS BUTTING UP TO EITHER PROPOSED OR EXISTING ASPHALT.

PLANED PAVEMENT SHALL NOT BE EXPOSED TO TRAFFIC FOR MORE THAN 7 CALENDAR DAYS. FAILURE TO MEET THIS REQUIREMENT WILL SUBJECT THE CONTRACTOR TO A DISINCENTIVE OF \$600/DAY FOR EACH DAY THE PLANED SURFACE IS NOT RESURFACED.

BUTT JOINTS SHALL BE PROVIDED AT THE BEGINNING AND END OF PAVING LIMITS AND AT THE APPROACH SLABS OF ALL STRUCTURES NOT BEING PAVED.

ITEM 617 - WATER:

THE FOLLOWING QUANTITY HAS BEEN PROVIDED AND THE TOTAL HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 617 - WATER = 2 MGAL

ITEM 630 - SIGNING, MISC.: REMOVAL OF WOOD ADDRESS POST AND REERECTION:

THIS ITEM SHALL INCLUDE THE REMOVAL AND REERECTION OF THE ADDRESS AND PARK AREA WOODEN MARKER POSTS. FOLLOW C&MS 630.12.

THIS ITEM IS NOT INTENDED FOR POSTS WHICH BECOME DAMAGED BY THE CONTRACTOR. GREAT CARE SHALL BE TAKEN TO PREVENT DAMAGE TO ANY OF THE EXISTING POSTS DURING THE CONSTRUCTION OPERATIONS. ANY POST WHICH BECOMES DAMAGED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE THE COST OF ALL MATERIAL, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE REMOVAL AND REERECTION.

ITEM 621 - RPM:

THE RPMs FROM STA. 94+77.94 TO STA. 99+08.76 SHALL BE INSTALLED AFTER THE PLACEMENT OF ITEM 888, HIGH FRICTION SURFACE COURSE.

ITEM 642 - REMOVAL OF PAVEMENT MARKING:

THIS ITEM IS TO BE USED TO REMOVE THE WORK ZONE PAVEMENT MARKINGS FROM STA. 94+77.94 TO STA. 99+08.76, WHERE ITEM 888, HIGH FRICTION SURFACE COURSE IS USED, AS PER SS888.03.

THE FOLLOWING QUANTITY HAS BEEN PROVIDED AND THE TOTAL HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 642 - REMOVAL OF PAVEMENT MARKINGS = 0.25 MILE

PROPOSED NO PASSING ZONES:

THE PROPER PLACEMENT OF THE PASSING AND NO PASSING ZONES AS SHOWN ON PLAN SHEETS 44-47 SHALL BE CONFIRMED BY THE CONTRACTOR AND PLACED BY USING THE CONTROL POINTS SHOWN ON THE PLAN SHEETS.

SLM'S ON THE PASSING ZONE SHEETS COULD BE DIFFERENT THAN THE SLM'S SHOWN ON THE PAVING PLAN. ALL START AND STOP SLM LOCATIONS SHALL BE WITHIN 0.005 MILES OF THE LOCATIONS SHOWN ON THE PLAN SHEETS LISTED ABOVE. A LETTER OF VERIFICATION OF ALL PASSING AND NO PASSING ZONES SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR PLACEMENT IN THE PROJECT RECORDS. ANY IMPROPERLY PLACED PASSING OR NO PASSING ZONES SHALL BE IMMEDIATELY CORRECTED.

ITEM 644 - PAVEMENT MARKING

ITEM 646 - PAVEMENT MARKING:

WITH THE EXCEPTION OF THE PROPOSED PASSING ZONES, IT IS THE INTENT OF THE PROPOSED PAVEMENT MARKINGS TO BE THE SAME AS EXISTING. ANY DEVIATION FROM EXISTING WILL BE IDENTIFIED WITHIN THIS PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, SIZE AND SHAPE OF THESE EXISTING PAVEMENT MARKINGS BEFORE THE RESURFACING WORK OBLITERATES THEM. ANY PAVEMENT MARKING WHICH IS PLACED AT THE WRONG LOCATION SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER IN AREAS DISTURBED BY PAVEMENT REPAIRS OUTSIDE OF THE RESURFACING LIMITS. THE TOTALS HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 644 - EDGE LINE, 6" = 0.10 MILE

ITEM 644 - CENTER LINE = 0.10 MILE

ITEM 644 - DOTTED LINE, 6" = 500 FT

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN:

THE ITEM SHALL CONSIST OF STATION USING 3 FT LATH STAKES OR PAINT MARKINGS. THE STAKES OR PAINT MARKINGS SHALL BE SPACED EVERY 200' FOR THE ENTIRE LENGTH. PLACEMENT OF THE STAKES OR PAINT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED, MISSING STAKES, OR PAINT MARKINGS. PAINT MARKINGS SHALL BE PLACED ON CURBS AND USED IN AREAS WERE THE PLACEMENT OF STAKES IS NOT POSSIBLE AND APPROVED BY THE PROJECT ENGINEER.

THIS ITEM SHALL ALSO BE USED TO ESTABLISH THE EXISTING RIGHT OF WAY TO VERIFY THAT ALL WORK (OUTSIDE THE ROADWAY) IS CONTAINED WITHIN THE EXISTING RIGHT OF WAY LIMITS.

STREAM IMPACTS:

THE CONTRACTOR SHALL NOT IMPACT ANY STREAMS/RIVERS WITH THIS PROJECT (SCIOTO RIVER OR O'SHAUGHNESSY RESERVOIR). THE CONTRACTOR SHALL UTILIZE APPROPRIATE BMPS TO AVOID ANY IMPACTS TO RESOURCES SUCH AS, INCORPORATE BUFFERS AND CATCHMENT MECHANISMS TO ENSURE NO DEBRIS OR HAZARDOUS WASTE ENTERS THE AFOREMENTIONED WATER BODIES.

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GENERAL NOTES

DEL-257-1.53

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SHEET NUMBER	PARTICIPATION				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
	01/SI2/PV	02/SI2/BR	03/STR/PV								
9-12	13-15	18	19	20	21	42	43	48			
					3131.25						
					1568.75	1562.50			ROADWAY		
					202	38001	3131.25	FT	GUARDRAIL REMOVED, AS PER PLAN	9	
					32	42001	32	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	9	
					3	42041	3	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T, AS PER PLAN	9	
					18	47001	18	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN	9	
1					12	53101	1	EACH	MAILBOX REMOVED, AS PER PLAN	9	
					1		1	EACH	REMOVAL MISC.: ANCHOR ASSEMBLY FOUNDATION	9	
1					1	98100	1	EACH	REMOVAL MISC.: BUSH	10	
52					52	98200	52	FT	REMOVAL MISC.: STONE WALL	10	
5					5	98200	5	FT	REMOVAL MISC.: WOOD FENCE	10	
28						98300	28	SY	REMOVAL MISC.: LANDSCAPING	10	
					2137	1191	946	CY	EMBANKMENT, AS PER PLAN	10	
					70	33	37	STA	LINEAR GRADING		
					1881.25	418.75	1462.50	FT	GUARDRAIL, TYPE MGS		
					2975	1687.5	1287.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS		
					1	1		EACH	ANCHOR ASSEMBLY, MGS TYPE A		
					20	8	12	EACH	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (NCHRP350 OR MASH 2016)	10	
					14	11	3	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
					19	12	7	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	10	
					1	606	35141	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN, RADIUS	10
150						62.5	87.5	FT	GUARDRAIL MISC.: ALTERNATE GUARDRAIL PLACEMENT	10	
					137.5	112.5	25.0	FT	GUARDRAIL MISC.: PANELS REMOVED AND REPLACED	10	
3					1	623	39500	3	EACH	MONUMENT BOX ADJUSTED TO GRADE	
1						623	39600	1	EACH	MONUMENT BOX RECONSTRUCTED TO GRADE	
1							69050000	1	EACH	MAILBOX SUPPORT	11
					1		69050350	1	EACH	MAILBOX REMOVED AND RESET	11
									EROSION CONTROL		
711					400	659	00300	711	CY	TOPSOIL	
6404					3575	659	10000	6404	SY	SEEDING AND MULCHING	
320					179	659	14000	320	SY	REPAIR SEEDING AND MULCHING	
320					179	659	15000	320	SY	INTER-SEEDING	
0.86					0.48	659	20000	0.86	TON	COMMERCIAL FERTILIZER	
1.32					0.74	659	31000	1.32	ACRE	LIME	
34					19	659	35000	34	MGAL	WATER	
					668	832	30000	1000	EACH	EROSION CONTROL	
									PAVEMENT		
63	602	22			579	251	01041	687	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 3.0"	11
461	2004	2690			3839	251	01041	5155	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 4.0"	11
171	1141	513			1768	253	01001	1825	SY	PAVEMENT REPAIR, AS PER PLAN, 7.5"	11
				86324	56633	254	01000	86324	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"	
				812		254	01000	812	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.00"	
				1416	1416	254	01000	1416	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH (1.00" AVG.)	
				325	325	254	01000	325	SY	PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH (2.00" AVG.)	
				7758	5069	407	20000	7758	GAL	NON-TRACKING TACK COAT	
				3708	2464	441	10000	3708	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	
				68		442	10000	68	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
				404	264	617	10100	404	CY	COMPACTED AGGREGATE	
2					1	617	25000	2	MGAL	WATER	
				1215	1215	888	10000	1215	SY	HIGH FRICTION SURFACE COURSE, SINGLE LIFT	

CALCULATED KLM CHECKED XXX
GENERAL SUMMARY
DEL-257-1.53
 16
 54

SHEET NUMBER

PARTICIPATION

01/ST/PV

02/ST/BR

03/STR/PV

ITEM

ITEM
EXT

GRAND
TOTAL

UNIT

DESCRIPTION

SEE
SHEET
NO.

CALCULATED
KLM
CHECKED
XXX

9-12 13-15 18 19 20 21 42 43 48

TRAFFIC CONTROL

474	63	373	164	621	00100	537	EACH	RPM
474	51	361	164	621	54000	525	EACH	RAISED PAVEMENT MARKER REMOVED
		17	48	626	00110	95	EACH	BARRIER REFLECTOR, TYPE 2 BIDICTIONAL
95	25	25		630	02100	25	FT	GROUND MOUNTED SUPPORT, NO. 2 POST
	50	50		630	03100	50	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
	34.3	34.3		630	80100	34.3	SF	SIGN, FLAT SHEET
10		8	2	630	85100	10	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
2		1	1	630	97700	2	EACH	SIGNING, MISC.: REMOVAL OF WOOD ADDRESS POST AND REERECTION
	46	46		642	30000	46	FT	REMOVAL OF PAVEMENT MARKING
0.25	0.58	0.83		642	30030	0.83	MILE	REMOVAL OF PAVEMENT MARKING
0.10		7.50	4.16	644	00104	11.66	MILE	EDGE LINE, 6"
0.10	0.56	4.69	2.08	644	00300	6.77	MILE	CENTER LINE
	95	666		644	00400	666	FT	CHANNELIZING LINE, 8"
	64	45	19	644	00500	64	FT	STOP LINE
	1436	1547		644	00700	1547	FT	TRANSVERSE/DIAGONAL LINE
	5	5		644	01300	5	EACH	LANE ARROW
	1	1		644	01350	1	EACH	LANE REDUCTION ARROW
500		607		644	01510	607	FT	DOTTED LINE, 8"
			0.02	646	10010	0.02	MILE	EDGE LINE, 6"
			0.01	646	10200	0.01	MILE	CENTER LINE

STRUCTURES OVER 20 FOOT SPAN

SEE STRUCTURE ESTIMATED QUANTITIES SHEET 52

MAINTENANCE OF TRAFFIC

20			20	614	11110	20	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
38		12	26	614	12461	38	EACH	WORK ZONE MARKING SIGN, AS PER PLAN
12.48		8.32	4.16	614	21550	12.48	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT
1142		1142		614	23680	1142	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT
118		90	28	614	26610	118	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT

INCIDENTALS

LS	LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC
LS	LS	LS	LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN
LS	LS	LS	LS	624	10000	LS		MOBILIZATION

GENERAL SUMMARY

DEL-257-1.53

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54

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