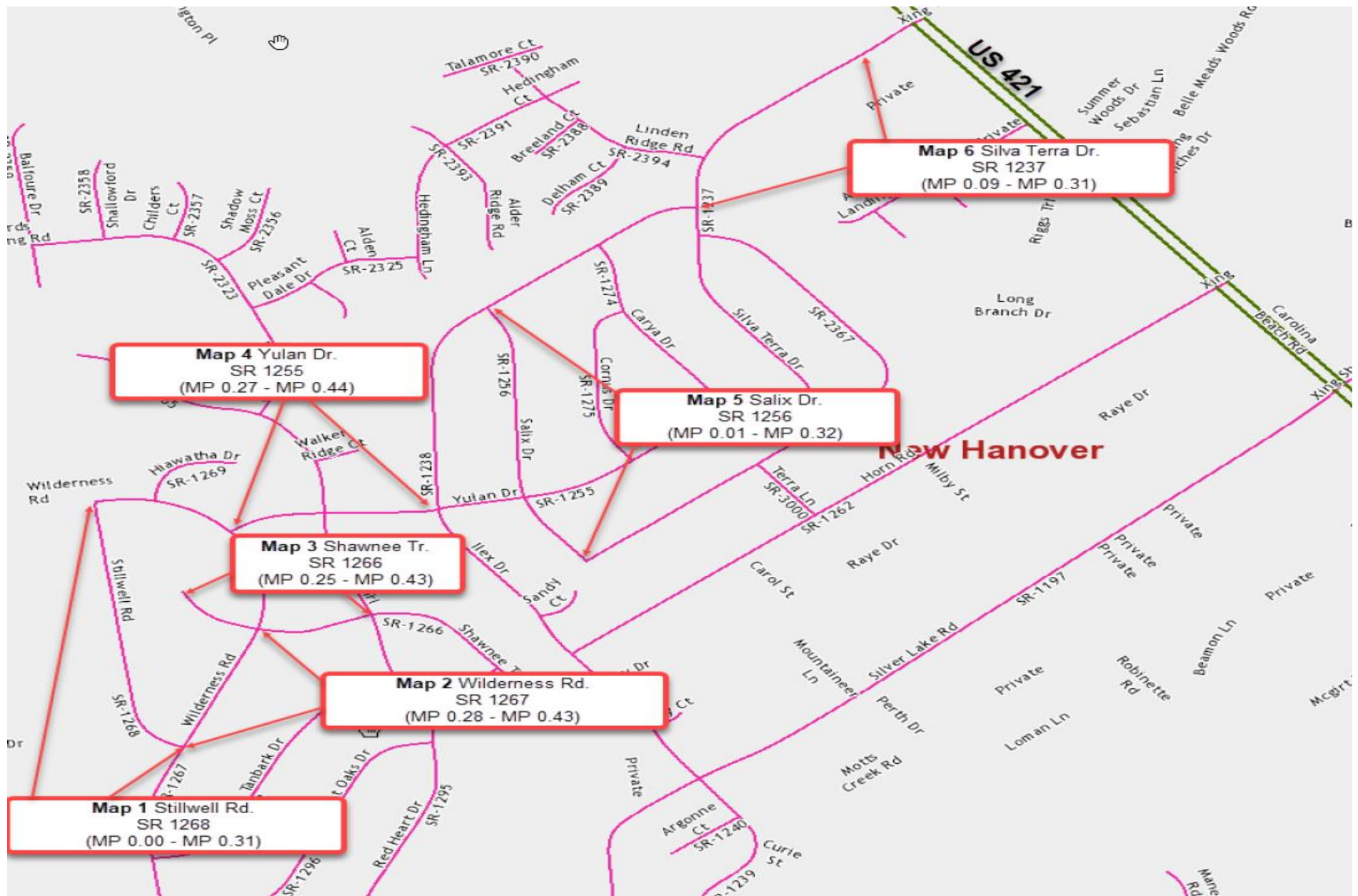
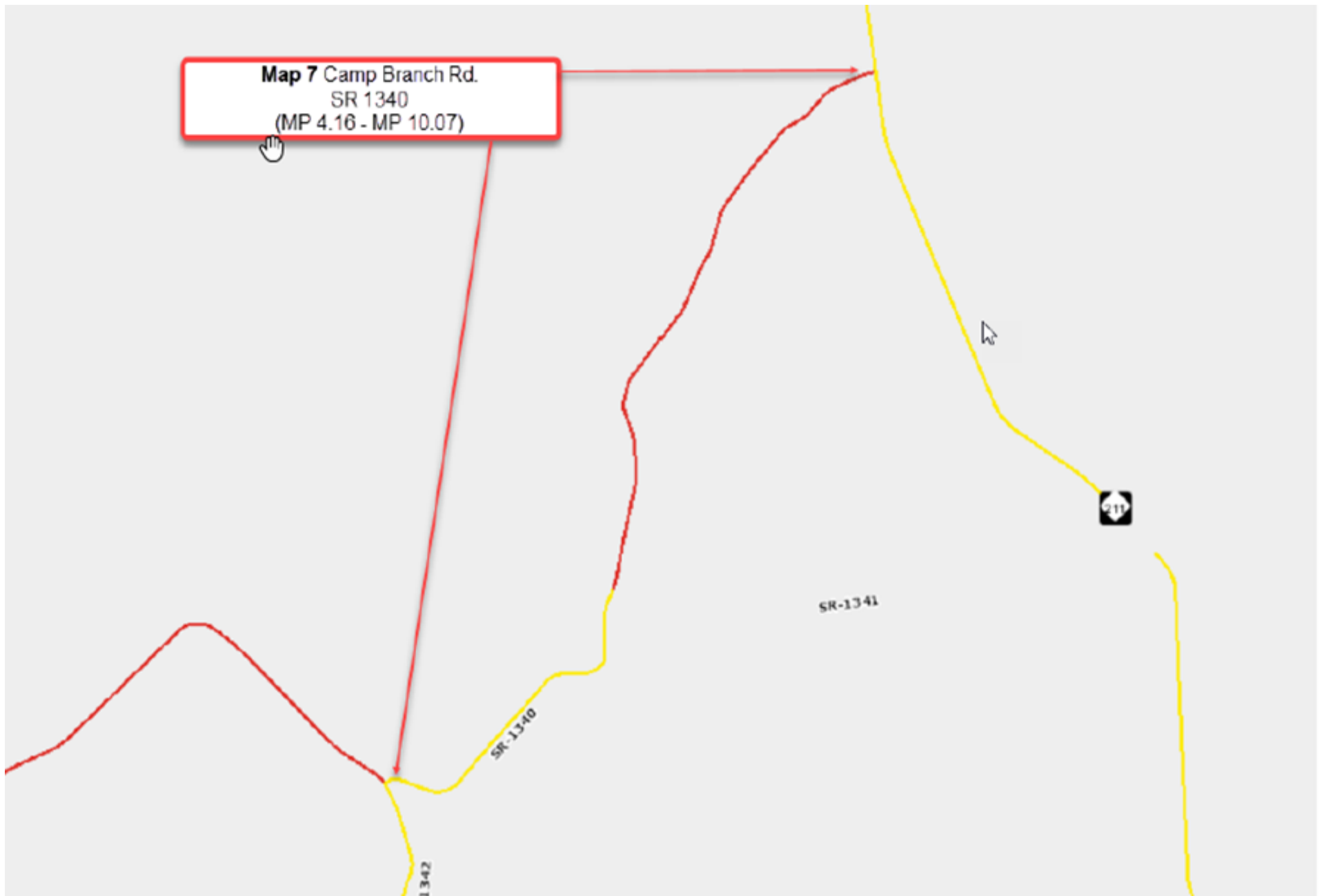
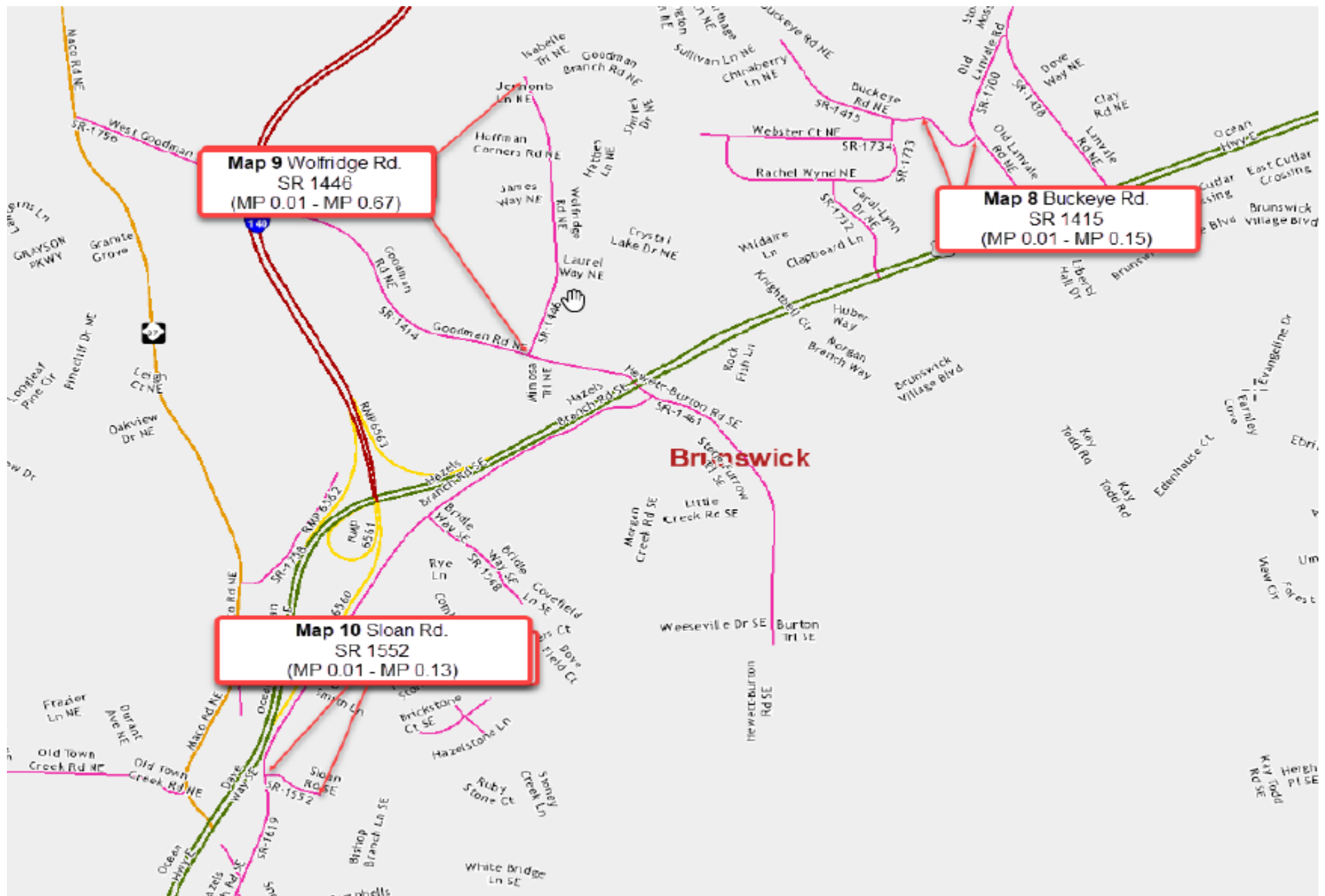
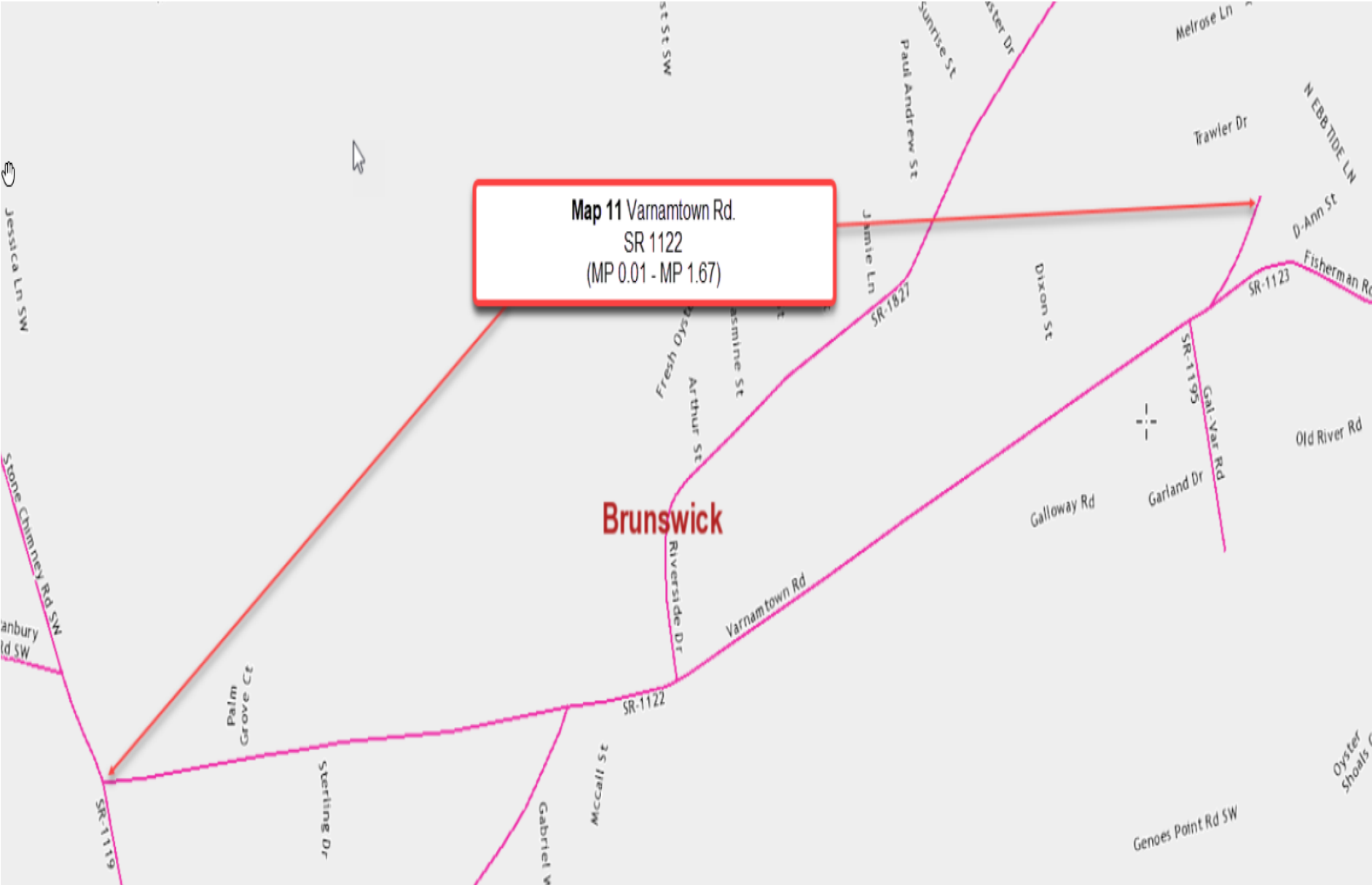
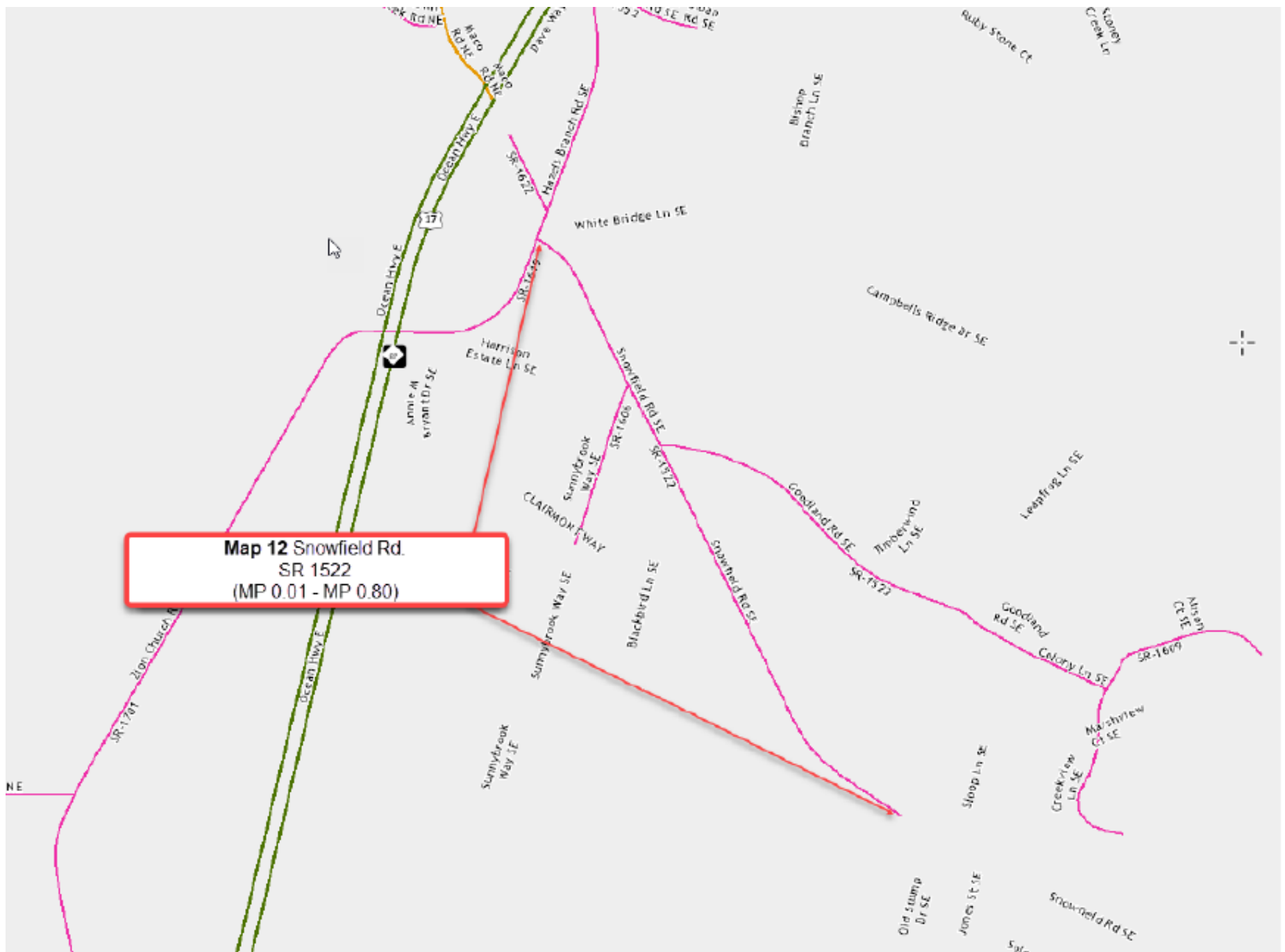


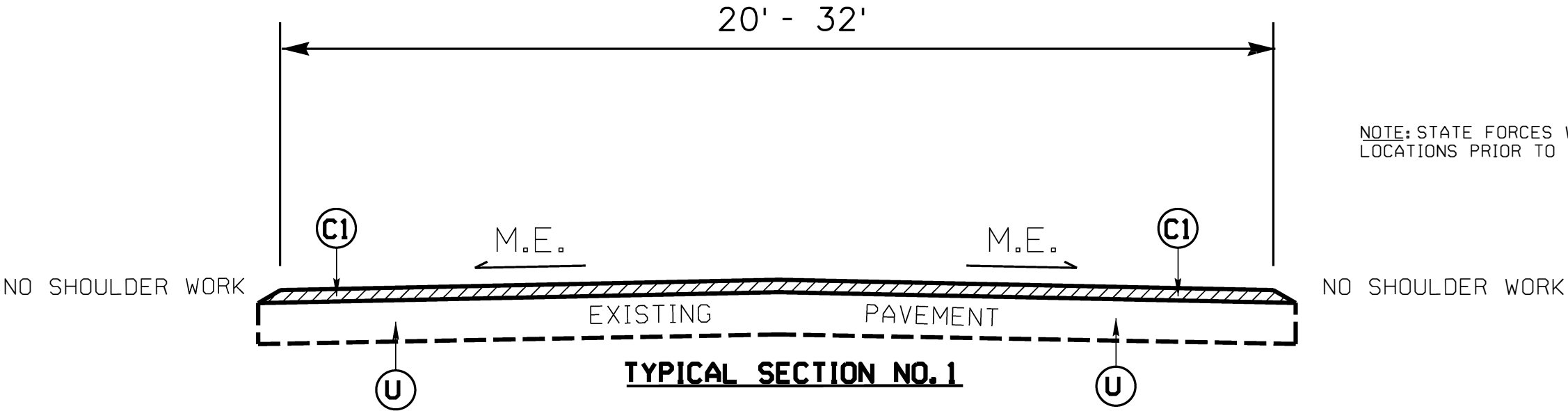












NOTE: STATE FORCES WILL MARK SHORT OVERLAY LOCATIONS PRIOR TO RESURFACING.

MAP NO. 1
SR 1268 (STILLWELL RD.)
MP 0.00 - MP 0.31

MAP NO. 2
SR 1267 (WILDERNESS RD.)
MP 0.28 - MP 0.43

MAP NO. 3
SR 1266 (SHAWNEE TRL.)
MP 0.25 - MP 0.43

MAP NO. 4
SR 1255 (YULAN DR.)
MP 0.27 - MP 0.44

MAP NO. 5
SR 1256 (SALIX DR.)
MP 0.01 - MP 0.32

MAP NO. 6
SR 1237 (SILVA TERRA DR.)
MP 0.09 - MP 0.31

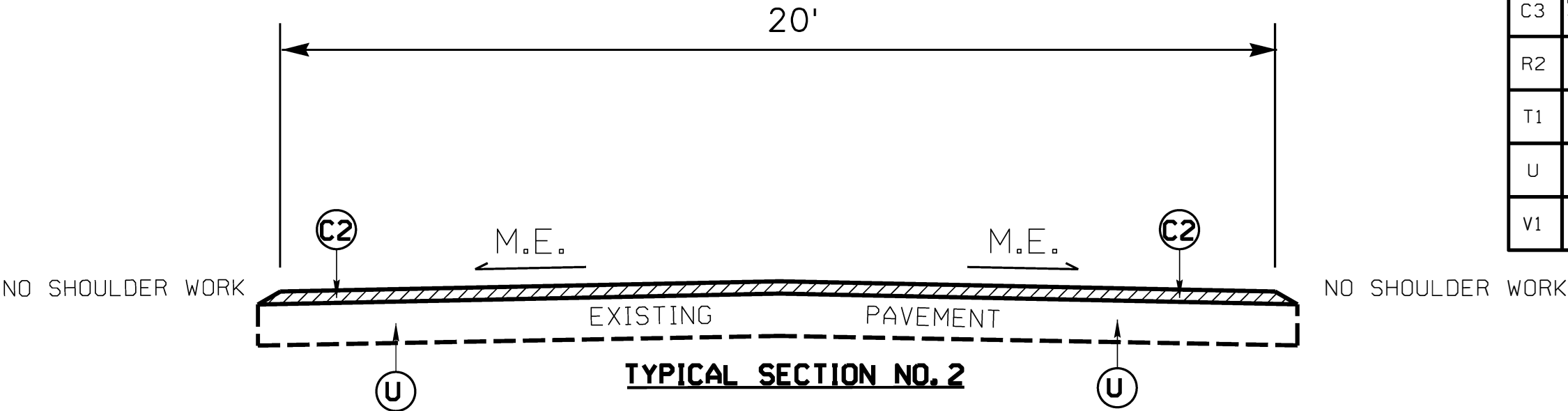
MAP NO. 9
SR 1446 (WOLFRIDGE RD.)
MP 0.01 - MP 0.67

MAP NO. 10
SASR 1552 (SLOAN RD.)
MP 0.01 - MP 0.13

MAP NO. 11
SR 1122 (VARNAMTOWN RD.)
MP 0.01 - MP 1.67

MAP NO. 12
SR 1522 (SNOWFIELD RD.)
MP 0.01 - MP 0.80

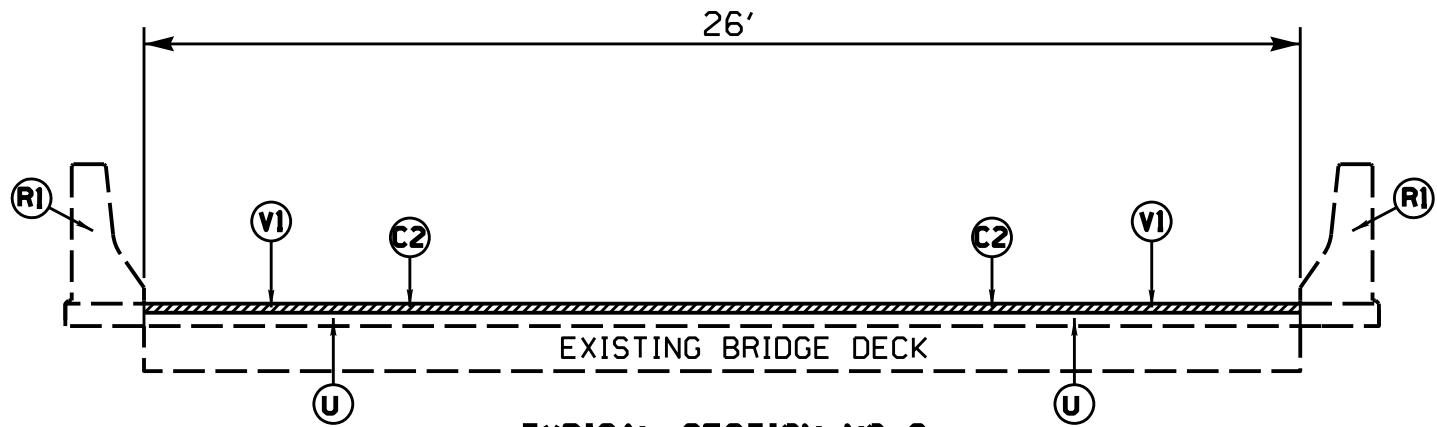
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
C2	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
C3	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
R2	EXISTING CONCRETE BRIDGE RAIL
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1" DEPTH



MAP NO. 8
SR 1415 (BUCKEYE RD.)
MP 0.01 - MP 0.16

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

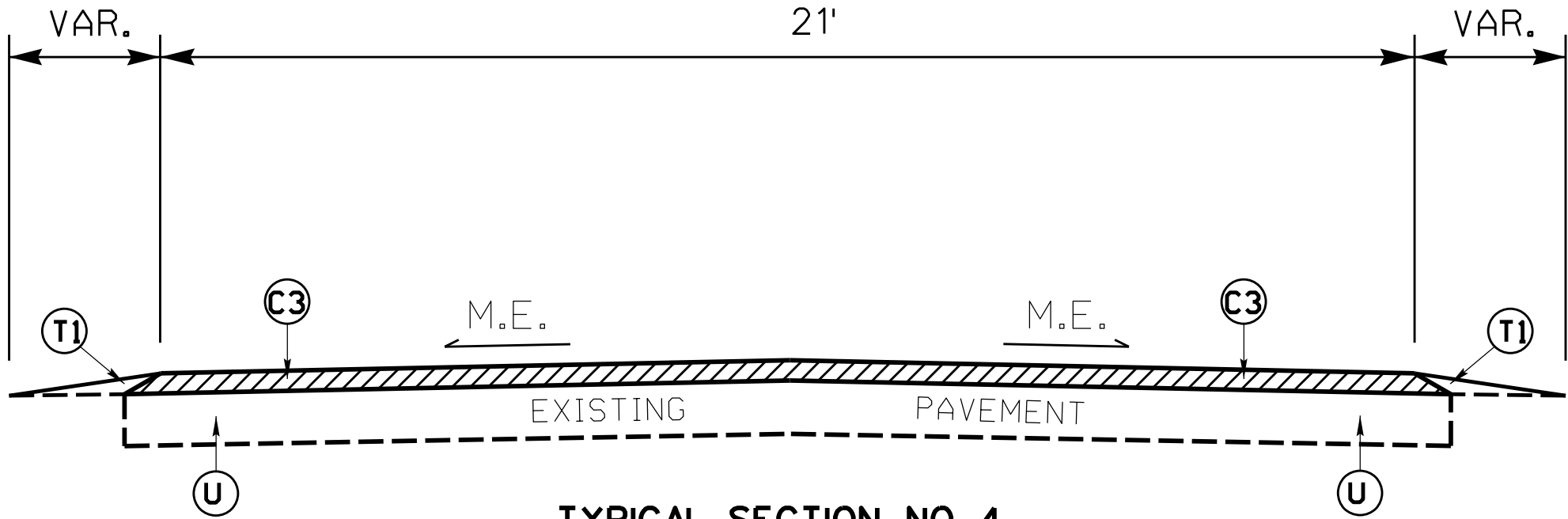
PAVEMENT SCHEDULE	
C2	1" S9.5B
C3	1½" S9.5B
R1	EXISTING CONCRETE BRIDGE RAIL
T1	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V1	1" MILLING



TYPICAL SECTION NO. 3

MAP NO. 7
SR 1340 (CAMP BRANCH RD.)
MP 4.99 - MP 5.04

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE.
SEE SHOULDER WEDGE DETAIL.



TYPICAL SECTION NO. 4

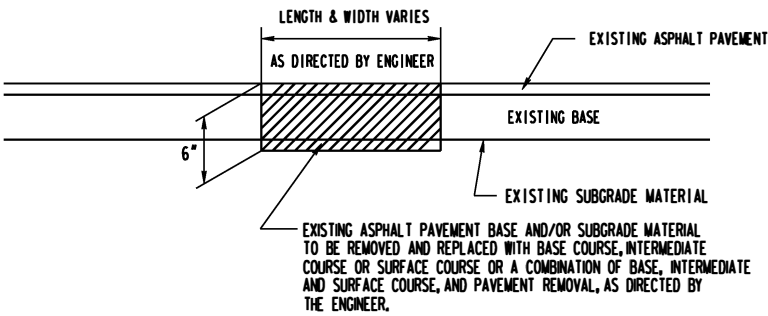
MAP NO. 7
SR 1340 (CAMP BRANCH RD.)
MP 4.16 - MP 4.99
MP 5.04 - MP 10.07

REVISIONS

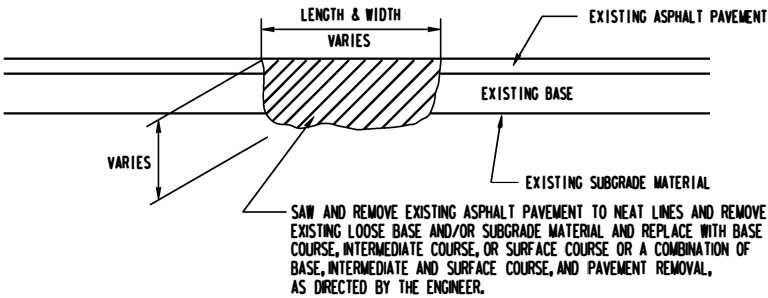
8/17/99

SYSTEMS DESIGN
C:\PROJECTS\SR1340\TYPICALS\TYPICALS.DWG

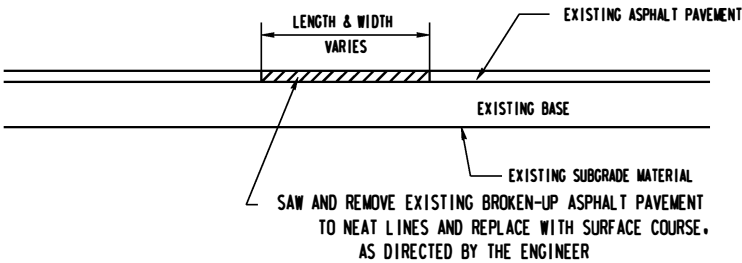
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



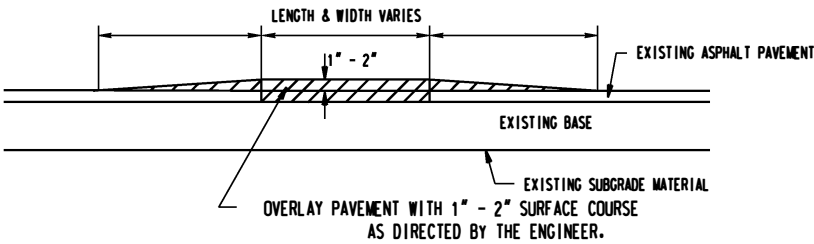
DETAIL NO. 1



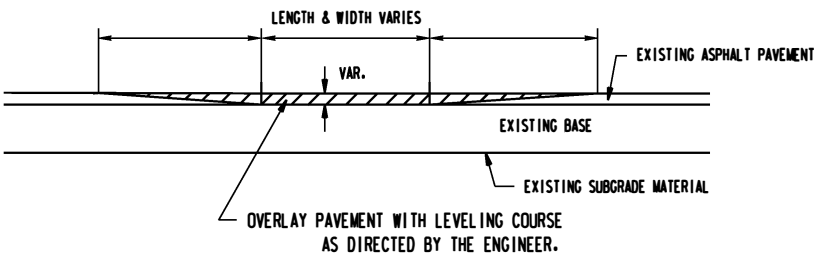
DETAIL NO. 2



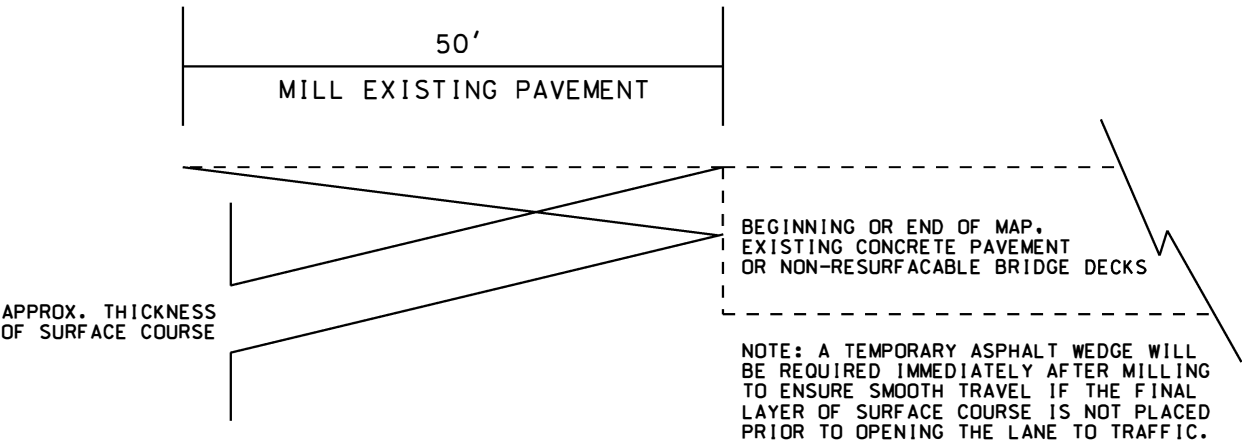
DETAIL NO. 3



DETAIL NO. 4

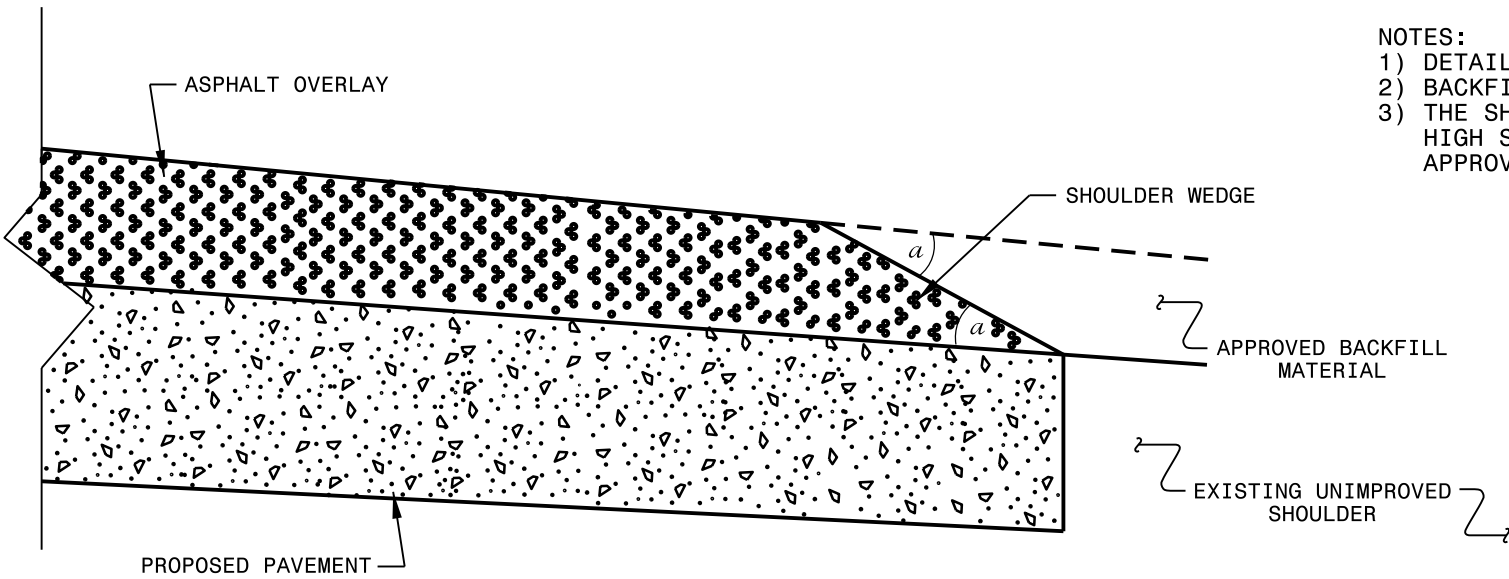


DETAIL NO. 5

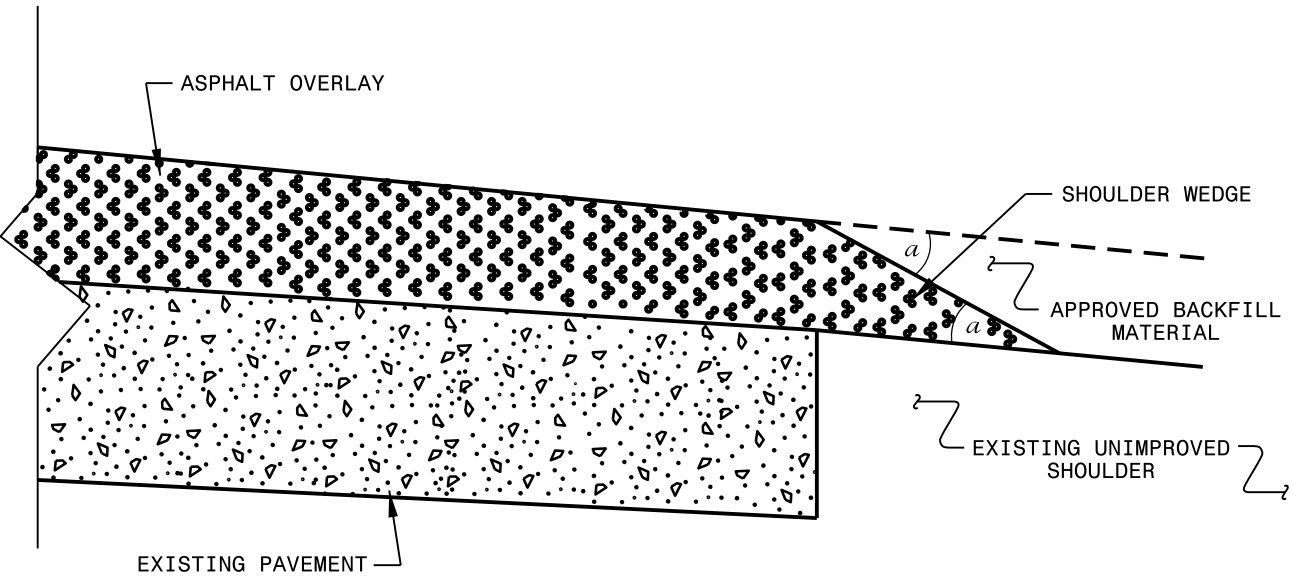


DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

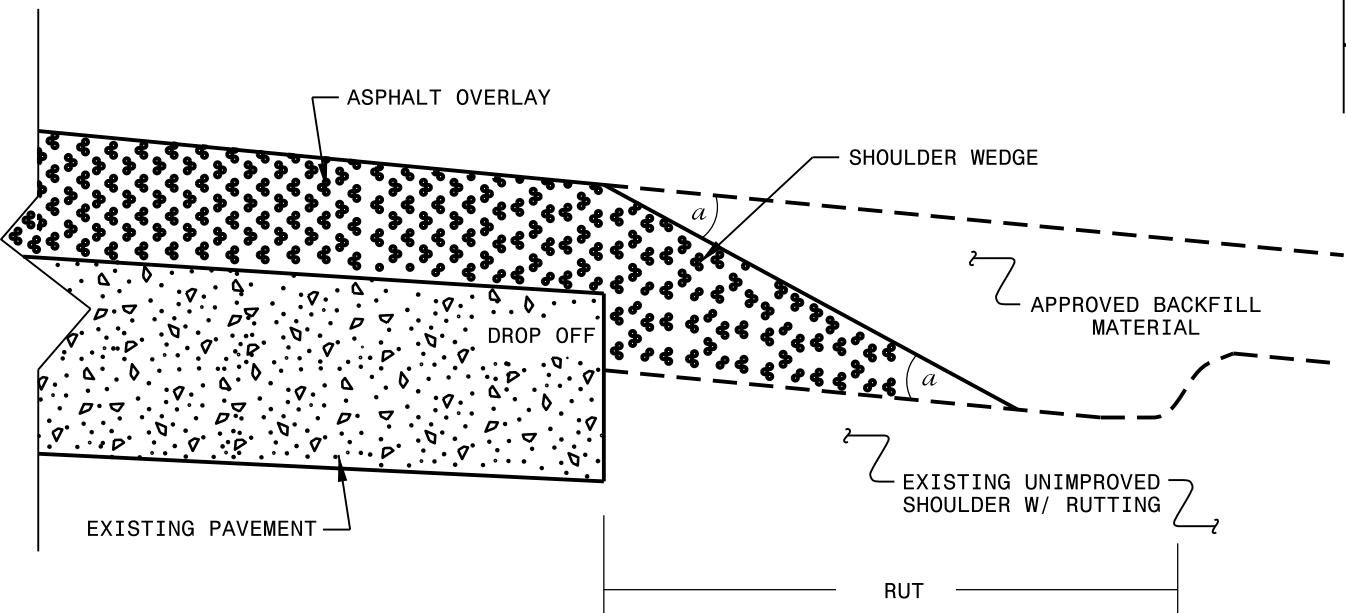
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY:	T.SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	2/2/16
CHECKED BY:		DATE:	
FILE SPEC.:	s:\usr\details\stand\shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.
2022CPT.03.17.20652, Etc.	10

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E		1526000000-E	1575000000-E	1880000000-E	2759000000-N	2830000000-N	6000000000-E	6009000000-E
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTI ON	1" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	SURFACE COURSE, \$4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (MILL) GENERIC	ADJUSTMENT OF MONUMENTS (GENERIC)	ADJUSTMENT OF MANHOLES	TEMPORARY SILT FENCE	STONE FOR EC CLASS B
										MI	FT	CY	TON	SMI	SY	SY	TON	TON	TON	TON	TON	EA	EA	LF	TON
2022CPT.03.17.20652	NewHanover	1	SR 1268 (STILLWELL ROAD)	FROM SR 1267 (WILDERNESS RD.) TO SR 1267 (WILDERNESS RD.) [MP 0.00 - MP 0.31]	1	2	2WU	NO	NO	0.31	32								330	23	10	2	3		
TOTAL FOR MAP NO. 1										0.31									330	23	10	2	3		
2022CPT.03.17.20652	NewHanover	2	SR 1267 (WILDERNESS ROAD)	FROM SR 1268 (STILLWELL RD.) TO SR 1266 (SHAWNEE TR.) [MP 0.28 - MP 0.43]	1	2	2WU	NO	NO	0.15	32								160	11	10	1	5		
TOTAL FOR MAP NO. 2										0.15									160	11	10	1	5		
2022CPT.03.17.20652	NewHanover	3	SR 1266 (SHAWNEE TRAIL)	FROM SR 1265 (INDIAN TR.) TO CUL-DE-SAC [MP 0.25 - MP 0.43]	1	2	2WU	NO	NO	0.18	32								200	14	10				
TOTAL FOR MAP NO. 3										0.18									200	14	10				
2022CPT.03.17.20652	NewHanover	4	SR 1255 (YULAN DRIVE)	FROM SR 1238 (ILEX DR.) TO SR 1267 (WILDERNESS RD.) [MP 0.27 - MP 0.44]	1	2	2WU	NO	NO	0.17	32								181	13	10	1			
TOTAL FOR MAP NO. 4										0.17									181	13	10	1			
2022CPT.03.17.20652	NewHanover	5	SR 1256 (SALIX DRIVE)	FROM SR 1238 (ILEX DR.) TO SR 1237 (SILVA TERRA DR.) [MP 0.01 - MP 0.32]	1	2	2WU	NO	NO	0.31	20								206	14	10				
TOTAL FOR MAP NO. 5										0.31									206	14	10				
2022CPT.03.17.20652	NewHanover	6	SR 1237 (SILVA TERRA DRIVE)	FROM US 421 HWY. (CAROLINA BEACH RD.) TO SR 1238 (ILEX DR.) [MP 0.09 - MP 0.31]	1	2	2WU	NO	NO	0.22	20								146	10	10				
TOTAL FOR MAP NO. 6										0.22									146	10	10				
TOTAL FOR PROJ NO. 2022CPT.03.17.20652										1.34									1,223	85	60	4	8		
2022CPT.03.17.20101	Brunswick	7	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD.) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.16 - MP 10.07]	3,4	2	2WU	NO	NO	5.91	21- 26	901	150	11.82	597	116	6,043			393	2,812			590	148
TOTAL FOR MAP NO. 7										5.91		901	150	11.82	597	116	6,043			393	2,812			590	148
TOTAL FOR PROJ NO. 2022CPT.03.17.20101										5.91		901	150	11.82	597	116	6,043			393	2,812			590	148
																	6,043								
2022CPT.0317.20102	Brunswick	8	SR 1415 (BUCKEYE ROAD)	FROM SR 1700 (OLD LANVALE RD.) TO RAILROAD [MP 0.01 - MP 0.16]	2	2	2WU	NO	NO	0.15	20						97			6	15				
TOTAL FOR MAP NO. 8										0.15							97			6	15				
2022CPT.0317.20102	Brunswick	9	SR 1446 (WOLFRIDGE ROAD)	FROM SR 1414 (GOODMAN RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.67]	1	2	2WU	NO	NO	0.66	22								483	34	52				
TOTAL FOR MAP NO. 9										0.66									483	34	52				
2022CPT.0317.20102	Brunswick	10	SR 1552 (SLOAN ROAD)	FROM SR 1619 (HAZEL BRANCH RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.13]	1	2	2WU	NO	NO	0.12	20							10	80	6	40				
TOTAL FOR MAP NO. 10										0.12								10	80	6	40				
2022CPT.0317.20102	Brunswick	11	SR 1122 (VARNAMTOWN ROAD)	FROM SR 1119 (STONE CHIMNEY RD. TO END OF MAINTENANCE [MP 0.01 - MP 1.67]	1	2	2WU	NO	NO	1.66	20								1,105	77	43				
TOTAL FOR MAP NO. 11										1.66									1,105	77	43				
2022CPT.0317.20102	Brunswick	12	SR 1522 (SNOWFIELD ROAD)	FROM SR 1619 (HAZELS BRANCH RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.80]	1	2	2WU	NO	NO	0.79	22								578	40	15				
TOTAL FOR MAP NO. 12										0.79									578	40	15				
TOTAL FOR PROJ NO. 2022CPT.0317.20102										3.38							97	10	2,246	163	165				
																	107								
GRAND TOTAL										10.63		901	150	11.82	597	116	6,140	10	3,469	641	3,037	4	8	590	148
																	6,150								

PROJECT NO.	SHEET NO.
2022CPT.03.17.20652, Etc.	12

THERMOPLASTIC AND PAINT QUANTITIES

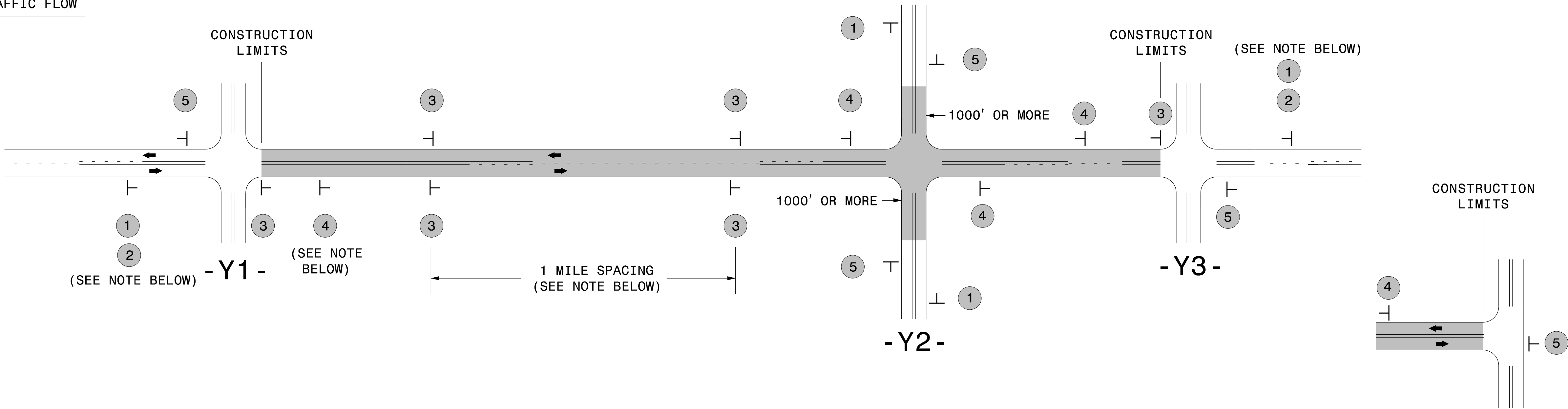
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PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" YELLOW PAINT	4" WHITE PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	YELLOW & YELLOW MARKERS
								MI	FT				SF	LS	HR	LF	LF	LF
2022CPT.03.17.20652	NewHanover	1	SR 1268 (STILLWELL ROAD)	FROM SR 1267 (WILDERNESS RD.) TO SR 1267 (WILDERNESS RD.) [MP 0.00 - MP 0.31]	1	2	2WU	0.31	32		0.04							
TOTAL FOR MAP NO. 1								0.31			0.04							
2022CPT.03.17.20652	NewHanover	2	SR 1267 (WILDERNESS ROAD)	FROM SR 1268 (STILLWELL RD.) TO SR 1266 (SHAWNEE TR.) [MP 0.28 - MP 0.43]	1	2	2WU	0.15	32		0.03							
TOTAL FOR MAP NO. 2								0.15			0.03							
2022CPT.03.17.20652	NewHanover	3	SR 1266 (SHAWNEE TRAIL)	FROM SR 1265 (INDIAN TR.) TO CUL-DE-SAC [MP 0.25 - MP 0.43]	1	2	2WU	0.18	32		0.03							
TOTAL FOR MAP NO. 3								0.18			0.03							
2022CPT.03.17.20652	NewHanover	4	SR 1255 (YULAN DRIVE)	FROM SR 1238 (ILEX DR.) TO SR 1267 (WILDERNESS RD.) [MP 0.27 - MP 0.44]	1	2	2WU	0.17	32		0.03							
TOTAL FOR MAP NO. 4								0.17			0.03							
2022CPT.03.17.20652	NewHanover	5	SR 1256 (SALIX DRIVE)	FROM SR 1238 (ILEX DR.) TO SR 1237 (SILVA TERRA DR.) [MP 0.01 - MP 0.32]	1	2	2WU	0.31	20		0.04							
TOTAL FOR MAP NO. 5								0.31			0.04							
2022CPT.03.17.20652	NewHanover	6	SR 1237 (SILVA TERRA DRIVE)	FROM US 421 HWY. (CAROLINA BEACH RD.) TO SR 1238 (ILEX DR.) [MP 0.09 - MP 0.31]	1	2	2WU	0.22	20		0.04	40	4,598	4,648				15
TOTAL FOR MAP NO. 6								0.22			0.04	40	4,598	4,648				15
TOTAL FOR PROJ NO. 2022CPT.03.17.20652								1.34			0.21	40	4,598	4,648				15
													9,246					
2022CPT.03.17.20101	Brunswick	7	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD.) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.16 - MP 10.07]	3,4	2	2WU	5.91	21 - 26	672	0.44		87,373	124,819				390
TOTAL FOR MAP NO. 7								5.91		672	0.44		87,373	124,819				390
TOTAL FOR PROJ NO. 2022CPT.03.17.20101								5.91		672	0.44		87,373	124,819				390
													212,192					
2022CPT.0317.20102	Brunswick	8	SR 1415 (BUCKEYE ROAD)	FROM SR 1700 (OLD LANVALE RD.) TO RAILROAD [MP 0.01 - MP 0.16]	2	2	2WU	0.15	20		0.03				280	220	8	
TOTAL FOR MAP NO. 8								0.15			0.03				280	220	8	
2022CPT.0317.20102	Brunswick	9	SR 1446 (WOLFRIDGE ROAD)	FROM SR 1414 (GOODMAN RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.67]	1	2	2WU	0.66	22		0.07							
TOTAL FOR MAP NO. 9								0.66			0.07							
2022CPT.0317.20102	Brunswick	10	SR 1552 (SLOAN ROAD)	FROM SR 1619 (HAZEL BRANCH RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.13]	1	2	2WU	0.12	20		0.03		960	1,096		64		5
TOTAL FOR MAP NO. 10								0.12			0.03		960	1,096		64		5
2022CPT.0317.20102	Brunswick	11	SR 1122 (VARNAMTOWN ROAD)	FROM SR 1119 (STONE CHIMNEY RD. TO END OF MAINTENANCE [MP 0.01 - MP 1.67]	1	2	2WU	1.66	20		0.14		24,541	35,059				110
TOTAL FOR MAP NO. 11								1.66			0.14		24,541	35,059				110
2022CPT.0317.20102	Brunswick	12	SR 1522 (SNOWFIELD ROAD)	FROM SR 1619 (HAZELS BRANCH RD.) TO END OF MAINTENANCE [MP 0.01 - MP 0.80]	1	2	2WU	0.79	22		0.08		9,760	16,685				52
TOTAL FOR MAP NO. 12								0.79			0.08		9,760	16,685				52
TOTAL FOR PROJ NO. 2022CPT.0317.20102								3.38			0.35		35,261	52,840	280	284	8	167
													88,101					
GRAND TOTAL							10.63		672	1.00	40	127,232	182,307	280	284	8	572	
													309,539					

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1 2 ROAD WORK AHEAD W20-1 48" X 48" NEXT XX MILES W7-3aP 24" X 18" PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.
	3 LOW/SOFT SHOULDER SP 13107 48" X 48" - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4 ROAD UNDER CONST SP 13106 48" X 48" - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5 END ROAD WORK G20-2 A 48" X 24" PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.	

MAPS LESS
THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE
REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY
ADVANCE WARNINGS SIGNS.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
WORK ZONE TRAFFIC CONTROL

ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2-LANE ROADWAY
RESURFACING