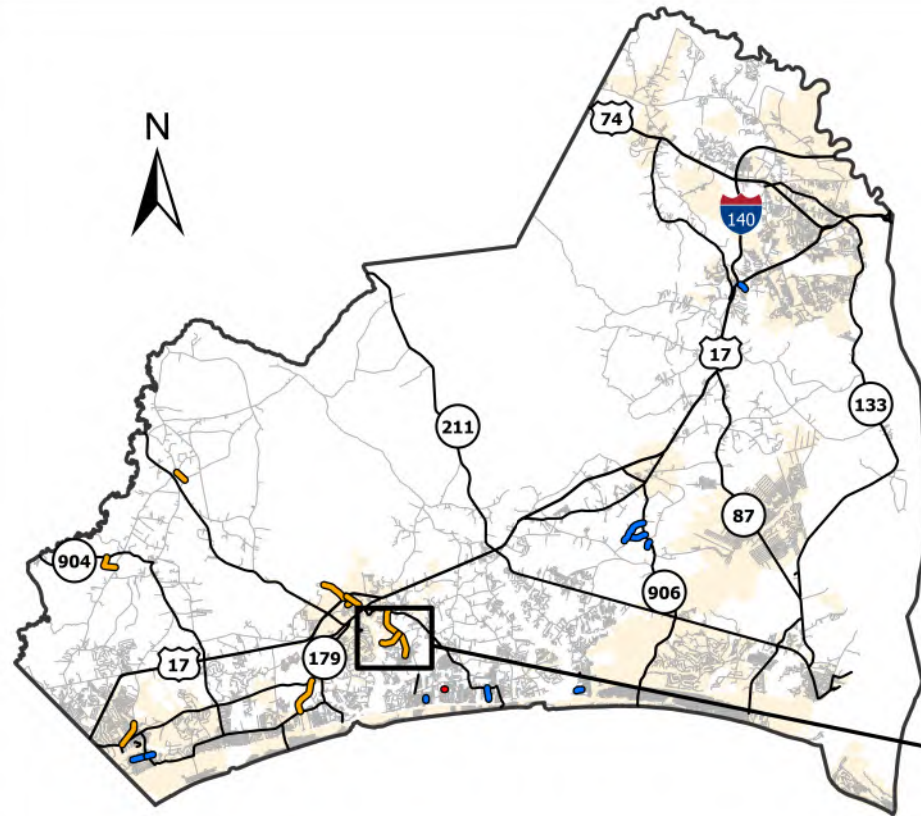


WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



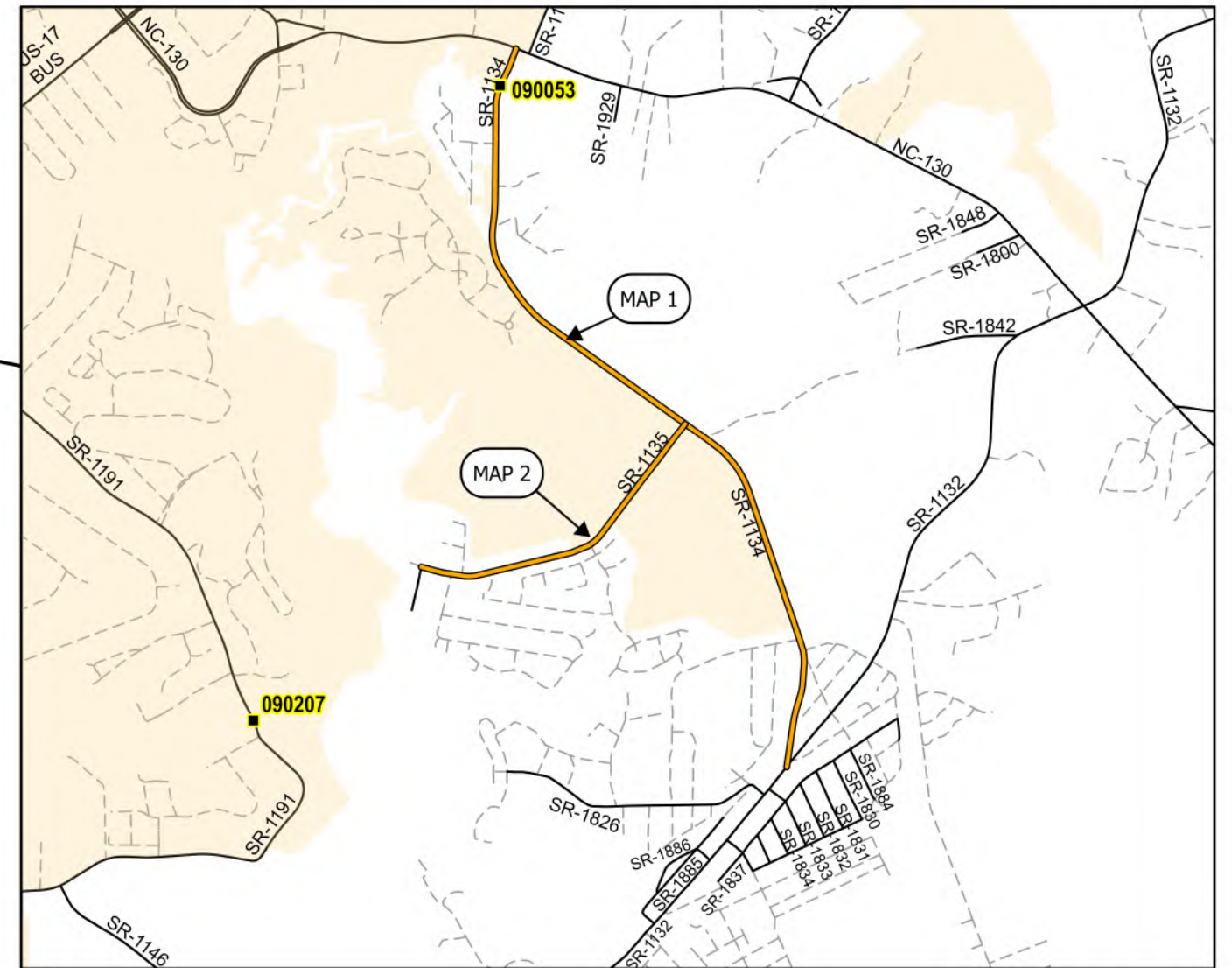
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
1	SR-1134/ GRAY BRIDGE RD SW	FROM SR-1132 (SHELL POINT RD SW) TO NC HWY-130 (HOLDEN BEACH RD) [MP 0.00 - MP 2.39]	RESURFACING
2	SR-1135/ TAR LANDING RD SW	FROM SR-1134 (GRAY BRIDGE RD SW) TO END MAINTENANCE [MP 0.00 - MP 0.92]	RESURFACING



0 0.25 0.5
Miles

PROJECT LENGTH

MAP	MILES
1	2.39
2	0.92

Prepared in the Office of:

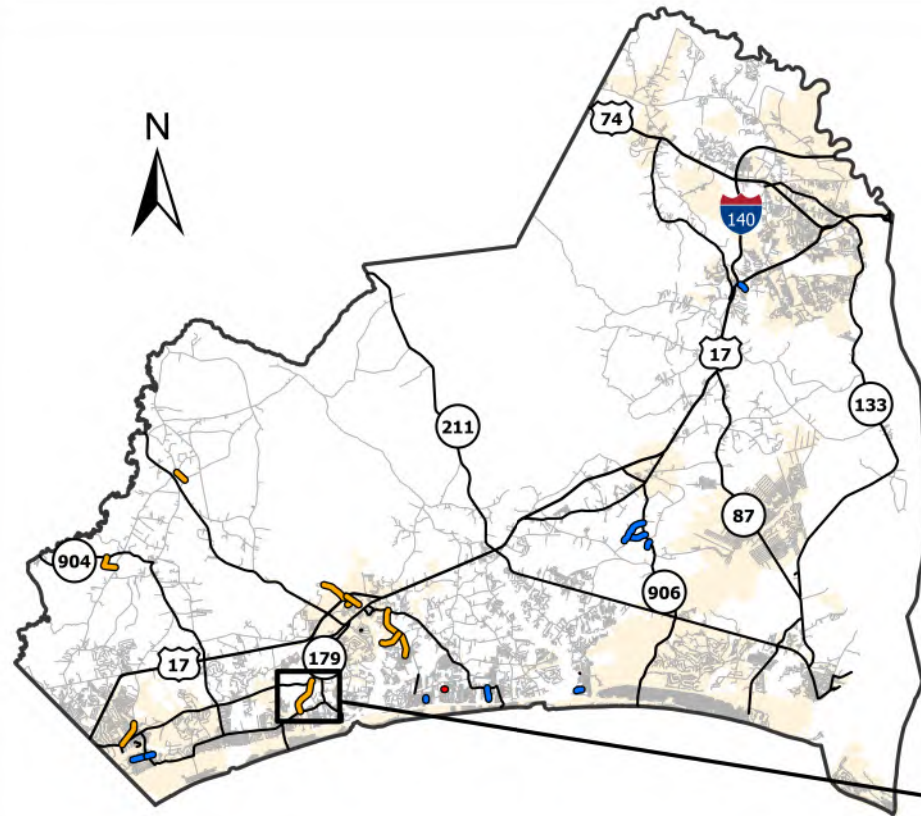
DIVISION OF HIGHWAYS
5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



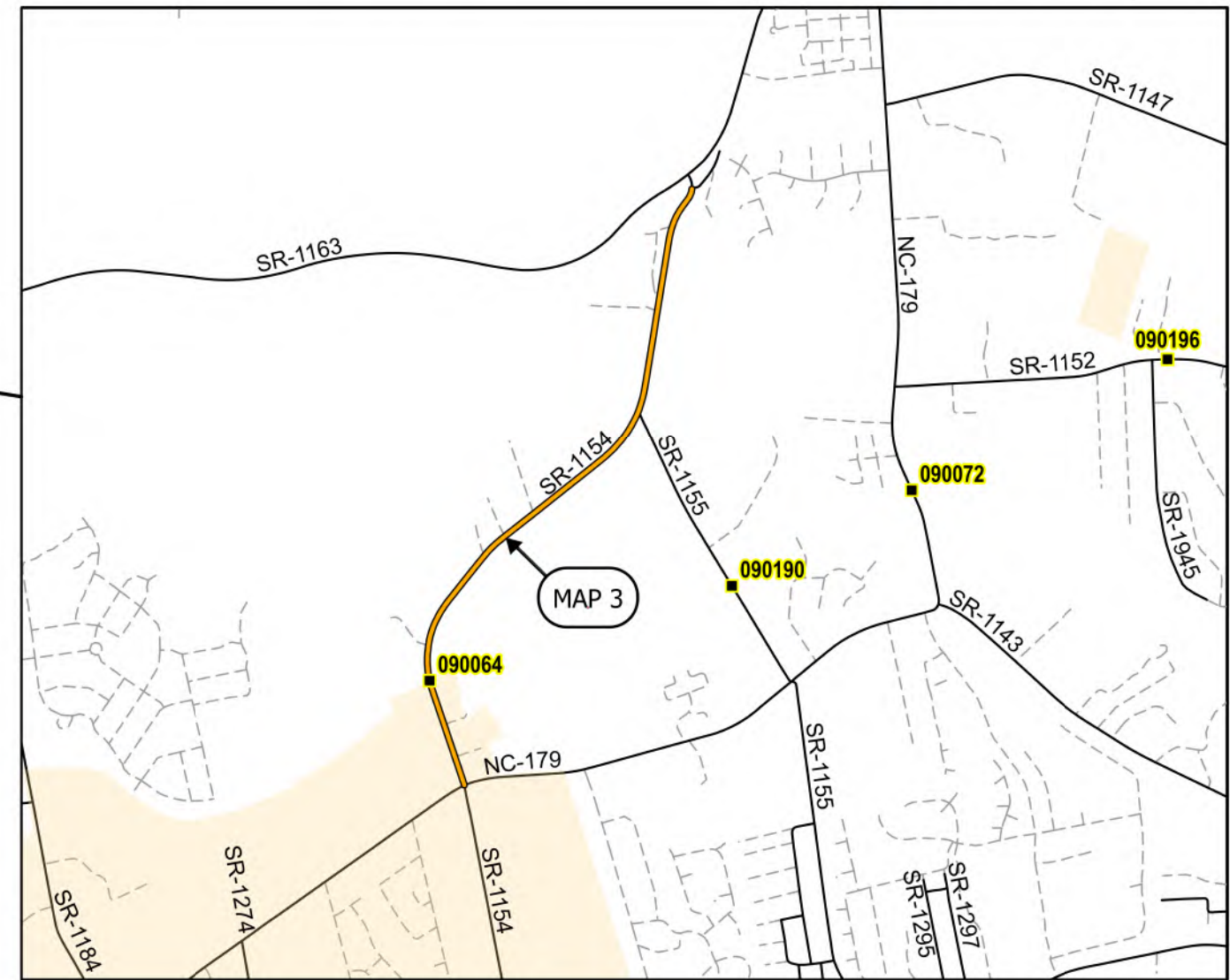
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
3	SR-1154/ HALE SWAMP RD SW	FROM SR-1163 (OLD GEORGETOWN RD SW) TO NC HWY 179 (BEACH DR SW) [MP 0.08 - MP 1.63]	RESURFACING



PROJECT LENGTH

MAP	MILES
3	1.55

Prepared in the Office of:

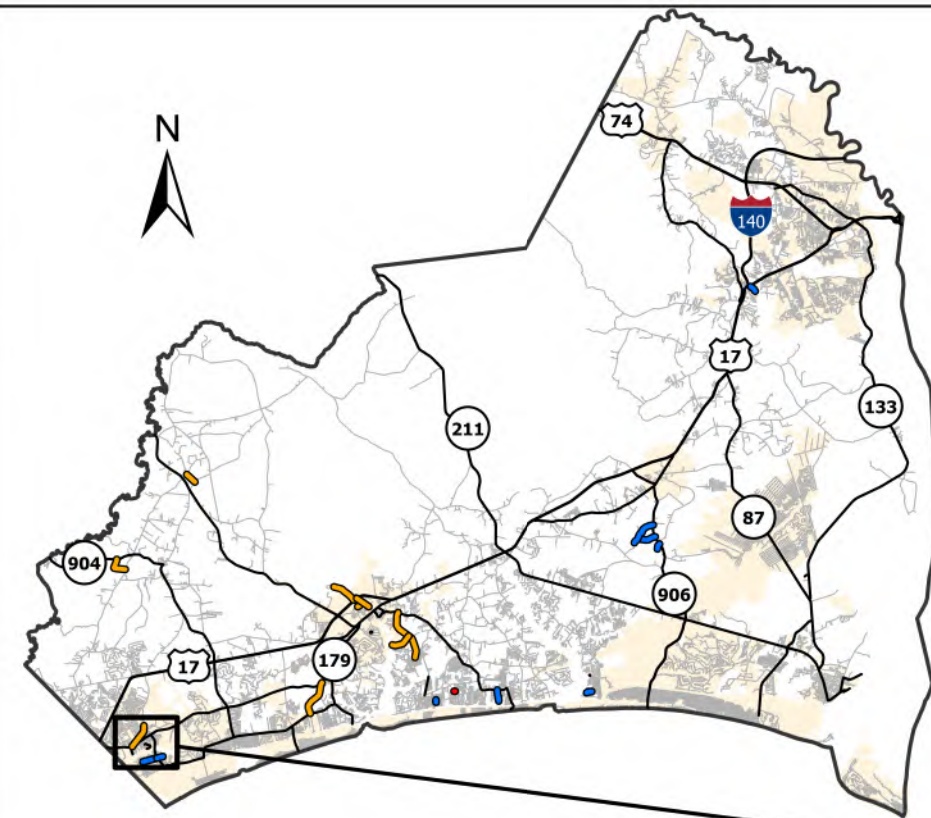
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WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



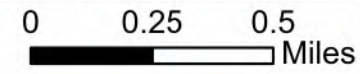
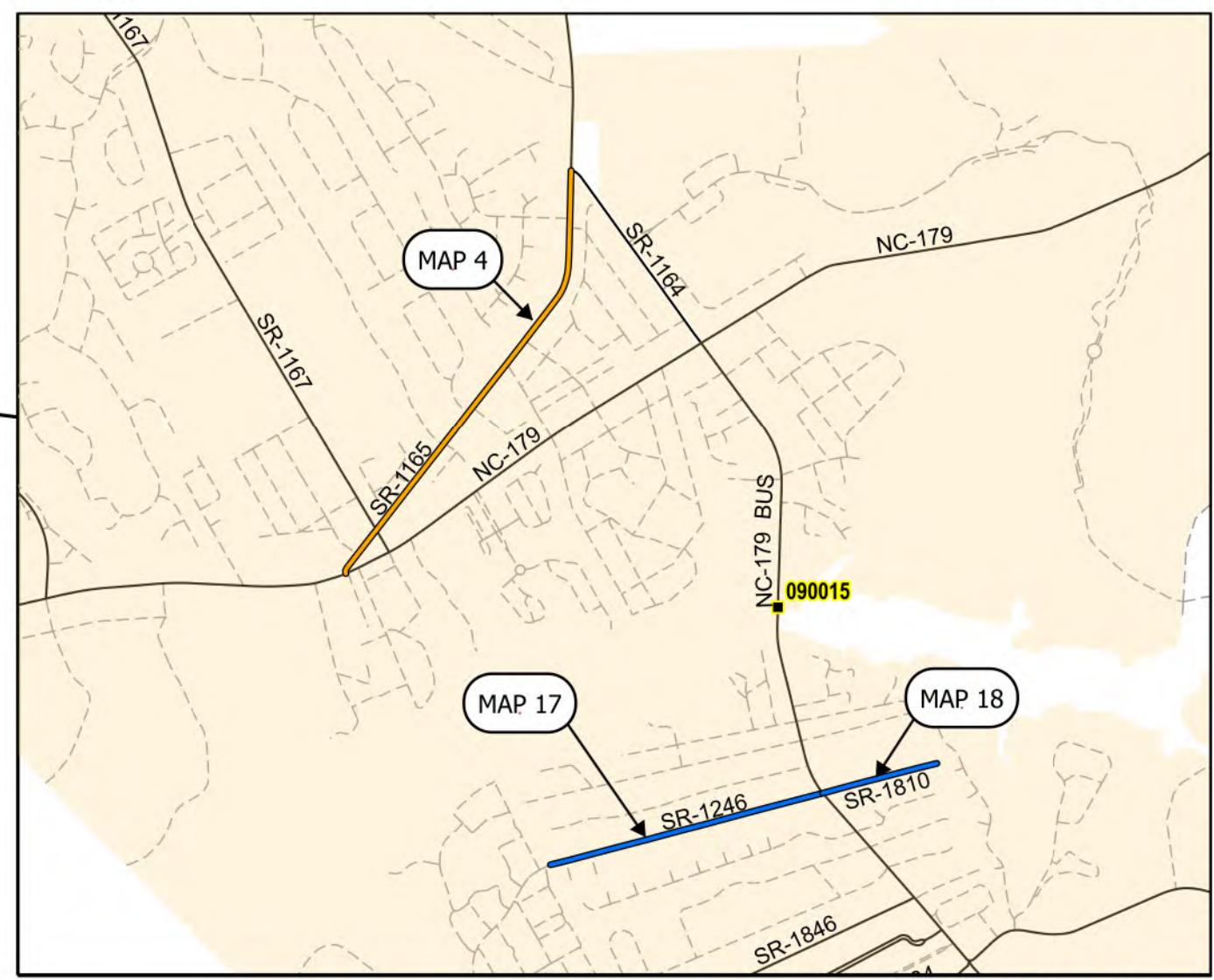
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

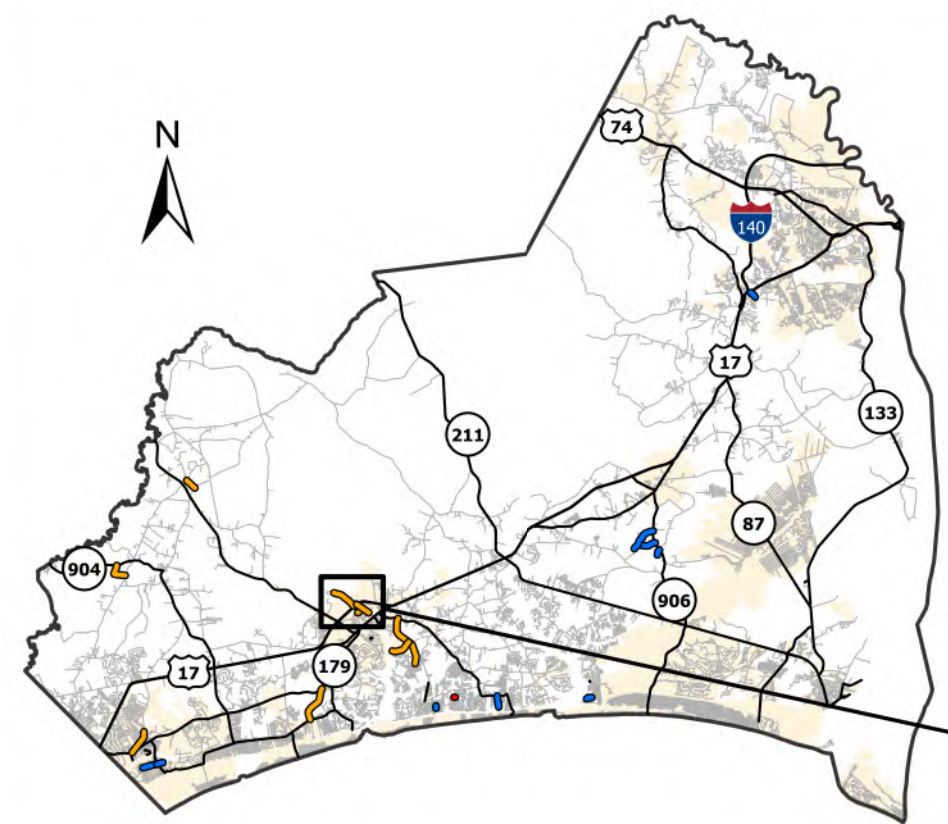
MAP	ROUTE	DESCRIPTION	TYPE
4	SR-1165/ THOMASBORO RD	FROM SR 1164 (CLARIDAY RD SW) TO NC HWY 179 (BEACH DR) [MP 2.41 - MP 3.53]	RESURFACING
17	SR-1246/ SHADY FOREST DR	FROM NC HWY 179 (BEACH DR) TO END MAINTENANCE [MP 0.00 - MP 0.66]	PRESERVATION
18	SR-1810/ SHADY FOREST DR SW	FROM NC HWY 179 (BEACH DR) TO END MAINTENANCE [MP 0.00 - MP 0.28]	PRESERVATION



PROJECT LENGTH		Prepared in the Office of: DIVISION OF HIGHWAYS 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429									
<table border="1"><thead><tr><th>MAP</th><th>MILES</th></tr></thead><tbody><tr><td>4</td><td>1.12</td></tr><tr><td>17</td><td>0.66</td></tr><tr><td>18</td><td>0.28</td></tr></tbody></table>		MAP	MILES		4	1.12	17	0.66	18	0.28	This exhibit does not meet NC 47-30 requirements and therefore is not intended for design, construction, or recording or transfer of title.
MAP	MILES										
4	1.12										
17	0.66										
18	0.28										

WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



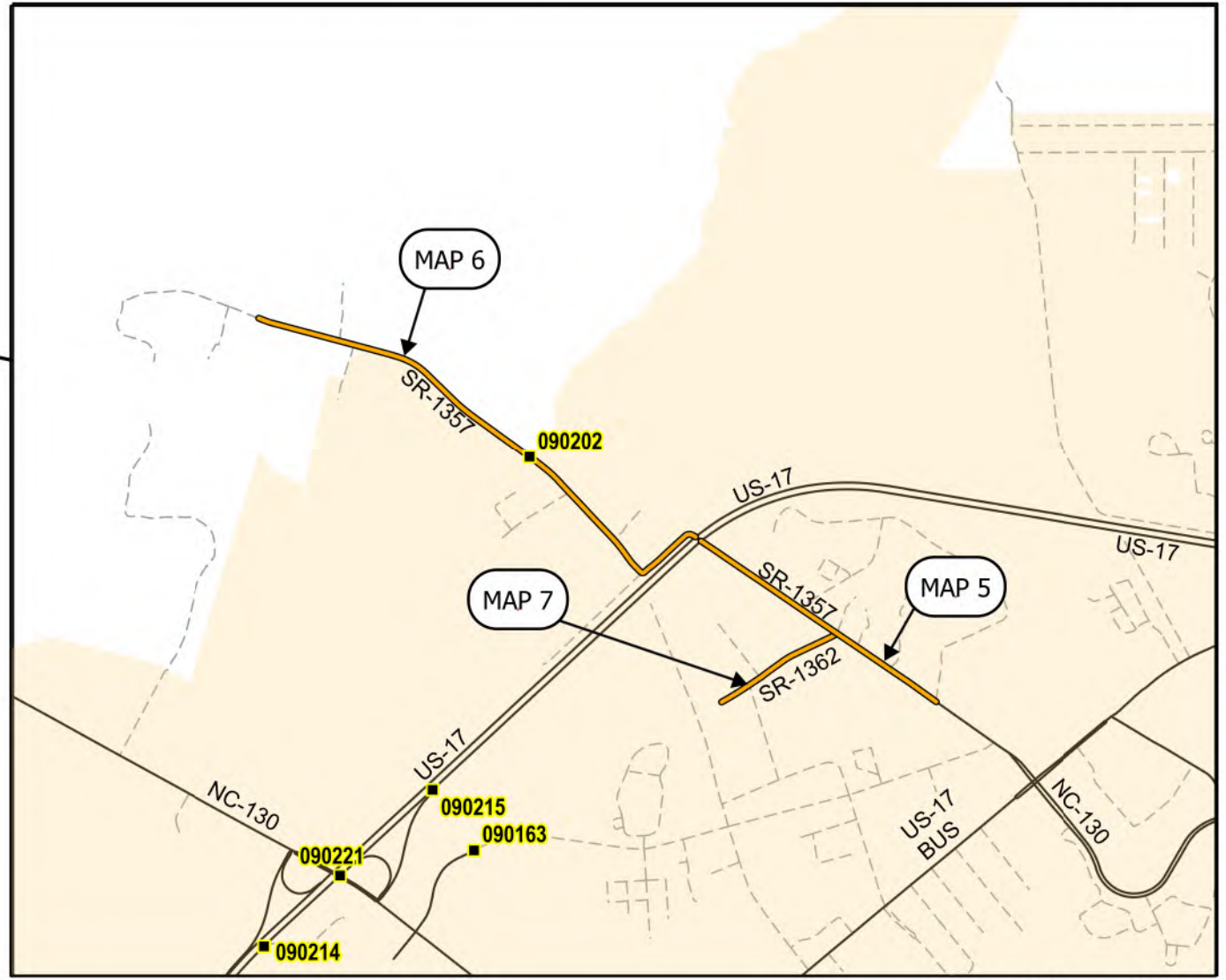
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

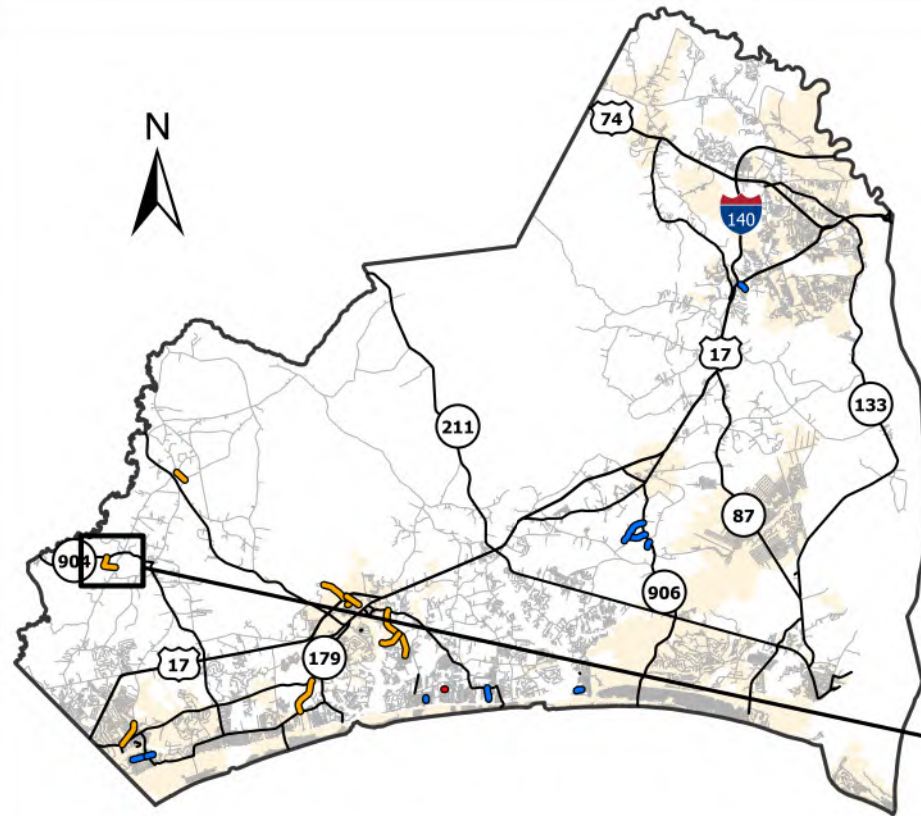
MAP	ROUTE	DESCRIPTION	TYPE
5	SR-1357/ SMITH AVE	FROM STEWART LN (NS) TO US HWY 17 BYPASS [MP 0.36 - MP 0.92]	RESURFACING
6	SR-1357/ N. MULBERRY RD NW	FROM SR-1357 (EXPRESS DR NW) TO END MAINTENANCE [MP 1.00 - MP 2.23]	RESURFACING
7	SR-1362/ BAILEY ST	FROM SR-1357 (SMITH AVE) TO END MAINTENANCE [MP 0.00 - MP 0.31]	RESURFACING



PROJECT LENGTH		Prepared in the Office of: DIVISION OF HIGHWAYS 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429								
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MAP	MILES									
5	0.56									
6	1.23									
7	0.31									

WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



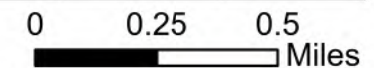
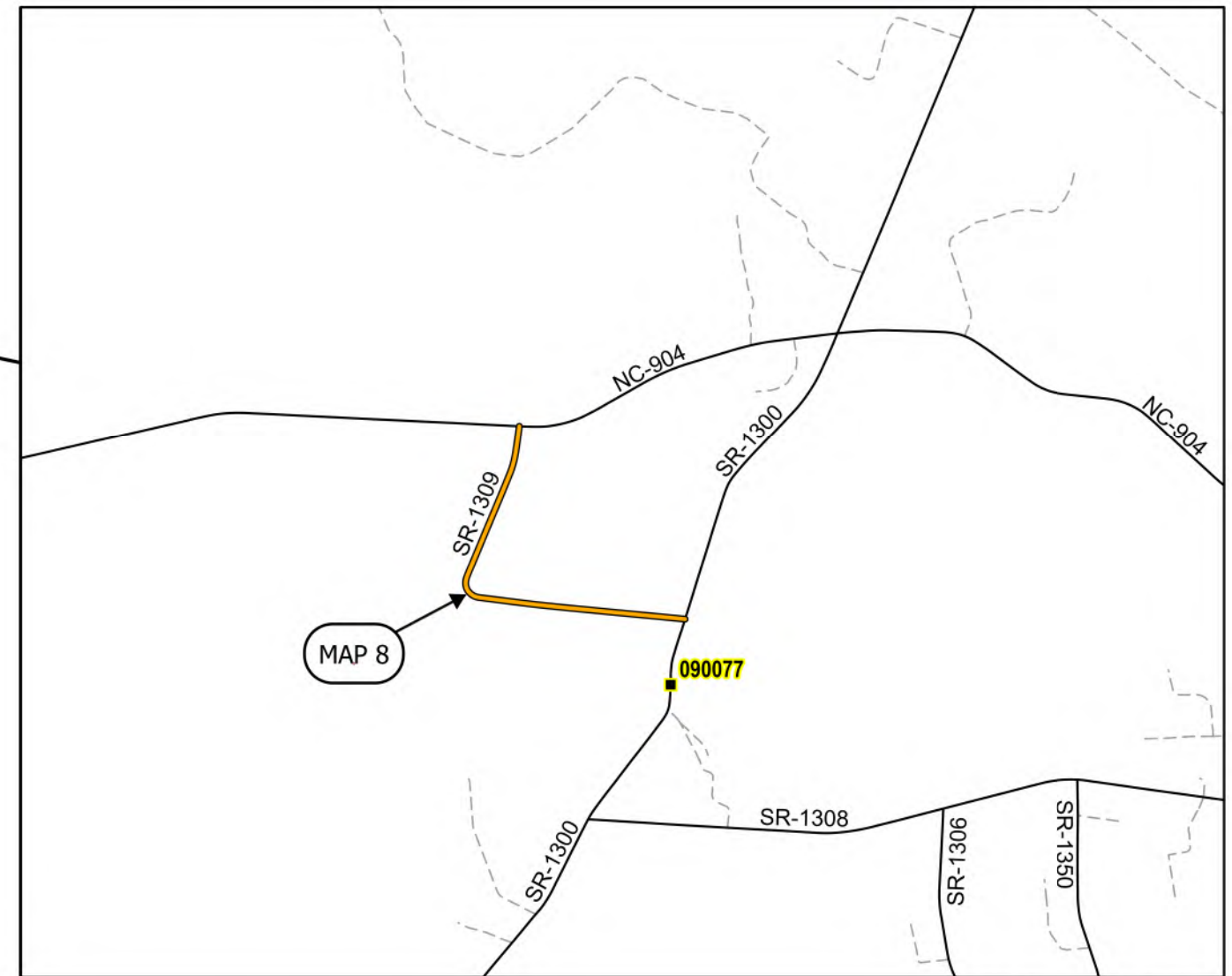
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	5
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
8	SR-1309/ HORSESHOE RD NW	FROM SR 1300 (ASH-LITTLE RIVER RD NW) TO NC HWY 904 (PIREWAY RD NW) [MP 0.00 - MP 0.92]	RESURFACING



PROJECT LENGTH

MAP	MILES
8	0.92

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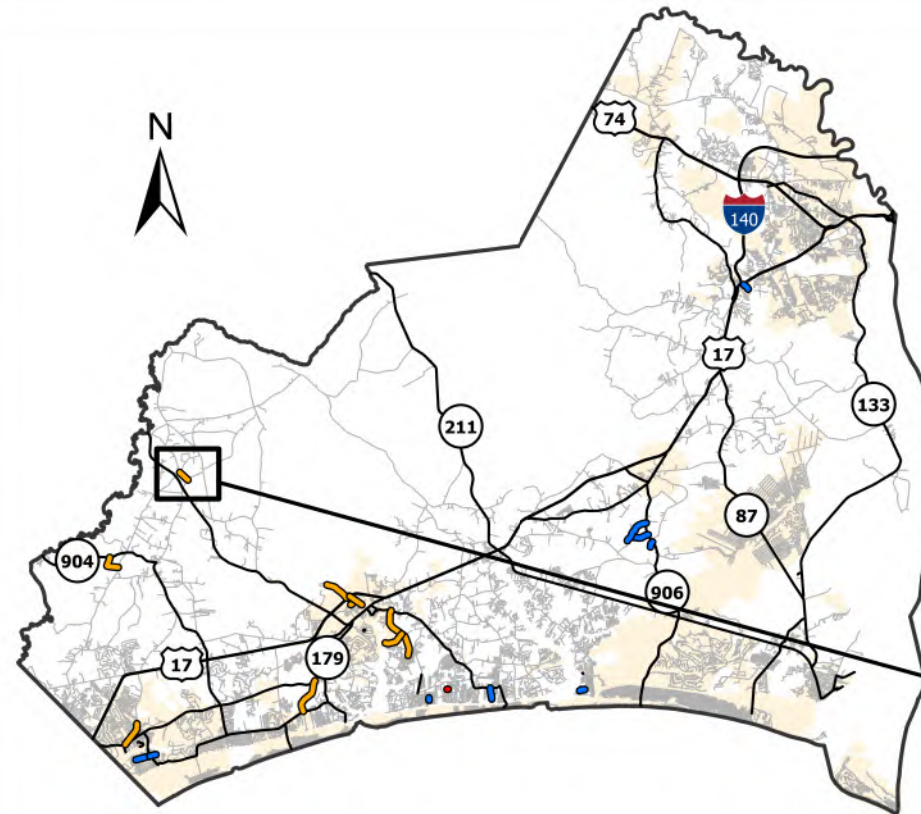
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5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429

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WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



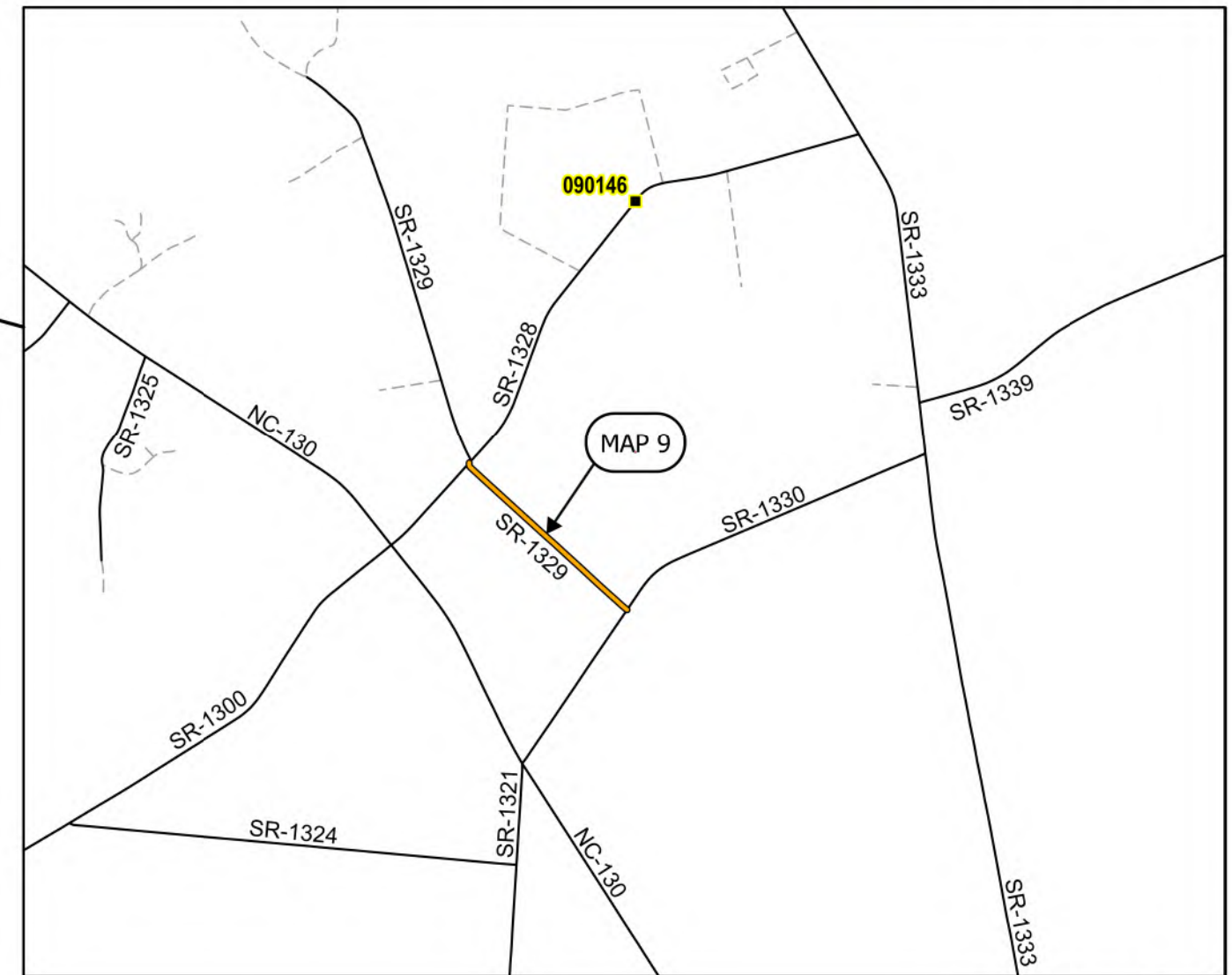
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	6
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
9	SR-1329/ BABSON RD NW	FROM SR 1330 (WACCAMAW SCHOOL RD NW) TO SR 1328 (SIMMONS RD NW) [MP 0.00 - MP 0.51]	RESURFACING



PROJECT LENGTH

MAP	MILES
9	0.51

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TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	7
STATE PROJECT NUMBER		DESCRIPTION

-

0 0.25 0.5 Miles

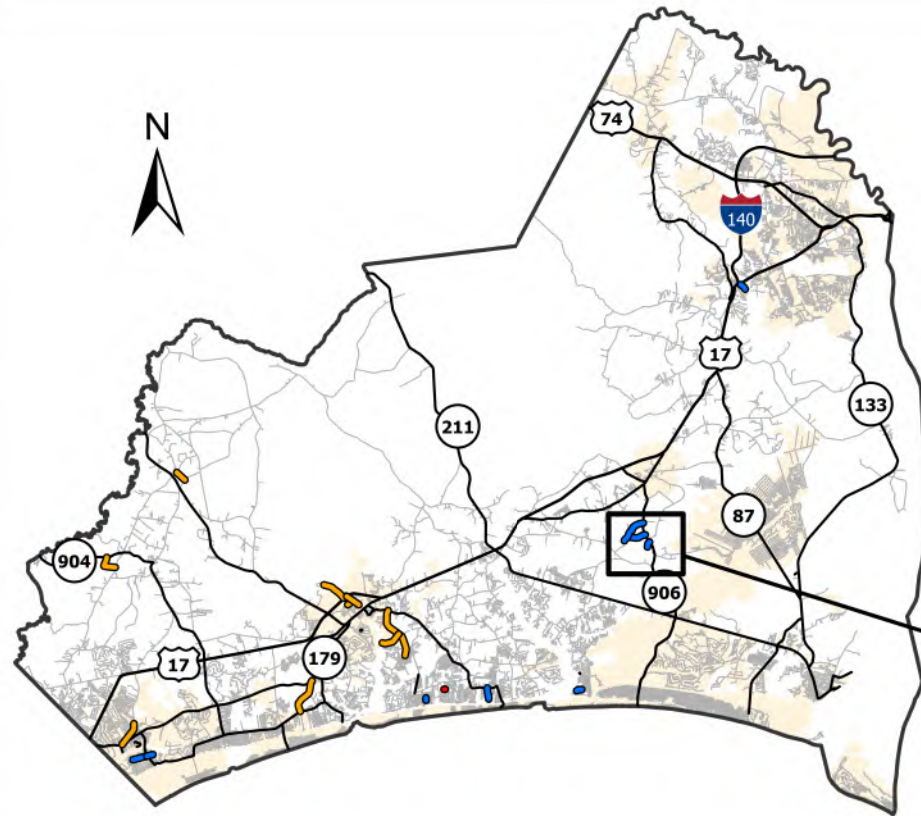
MAP	MILES
10	0.30

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WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



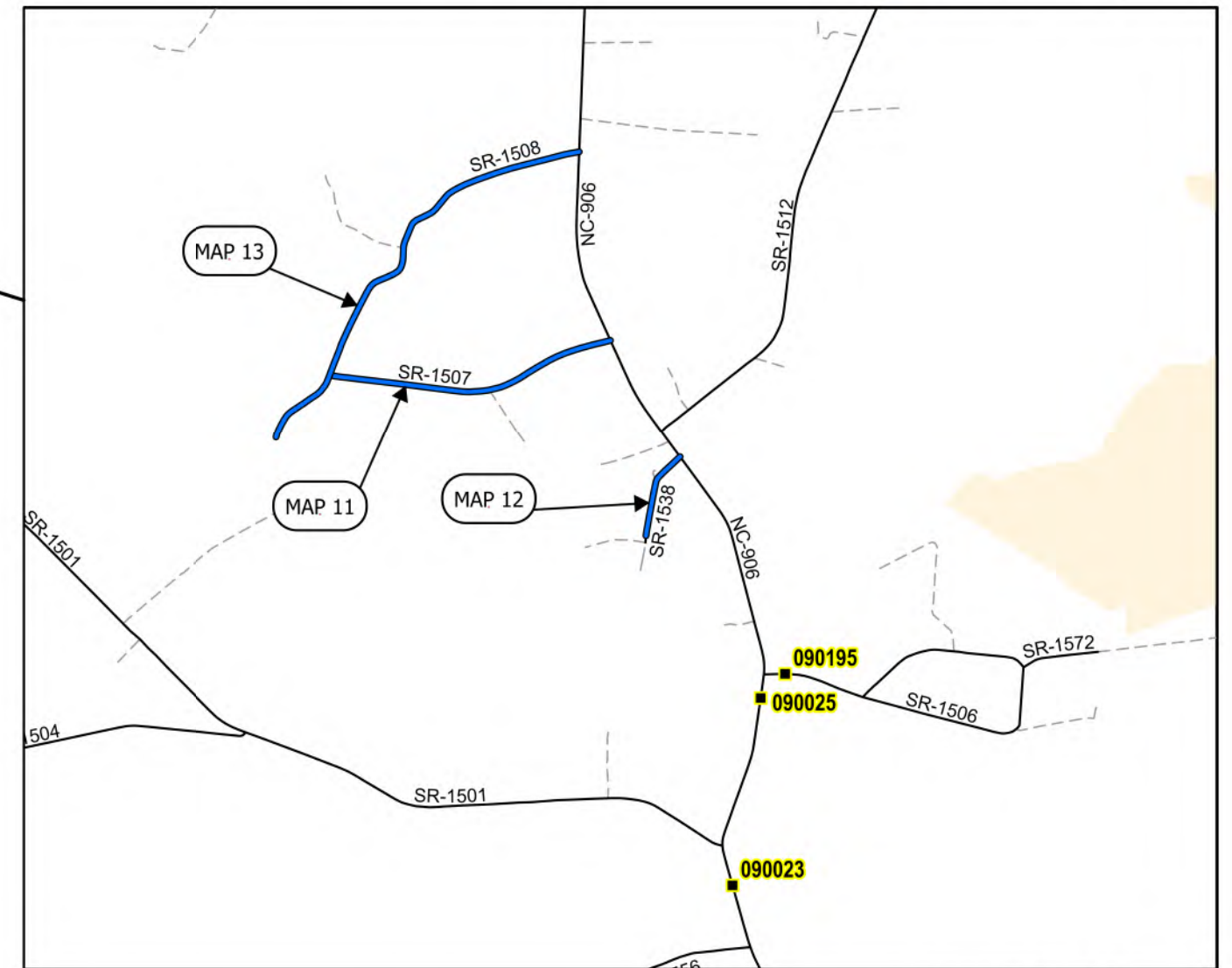
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	8
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
11	SR-1507/ BROWN RD SE	FROM NC HWY 906 (MIDWAY RD) TO SR 1508 (ALBRIGHT RD SE) [MP 0.00 - MP 0.82]	PRESERVATION
12	SR-1538/ RUTLAND RD SE	FROM NC HWY 906 (MIDWAY RD) TO END MAINTENANCE [MP 0.00 - MP 0.27]	PRESERVATION
13	SR-1508/ ALBRIGHT RD SE	FROM NC HWY 906 (MIDWAY RD) TO END MAINTENANCE [MP 0.00 - MP 1.19]	PRESERVATION



PROJECT LENGTH

MAP	MILES
11	0.82
12	0.27
13	1.19

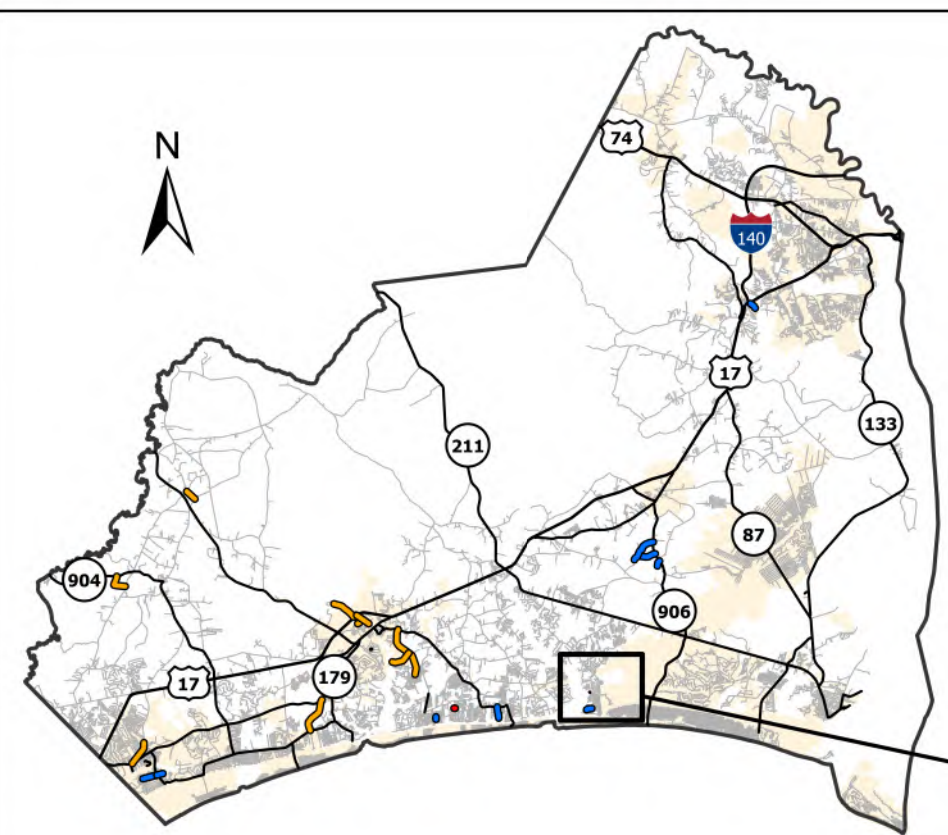
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WBS NO: 2027CPT.03.01.20101, ETC.

CONTRACT: DC00495



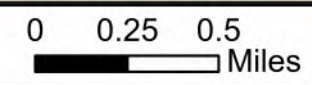
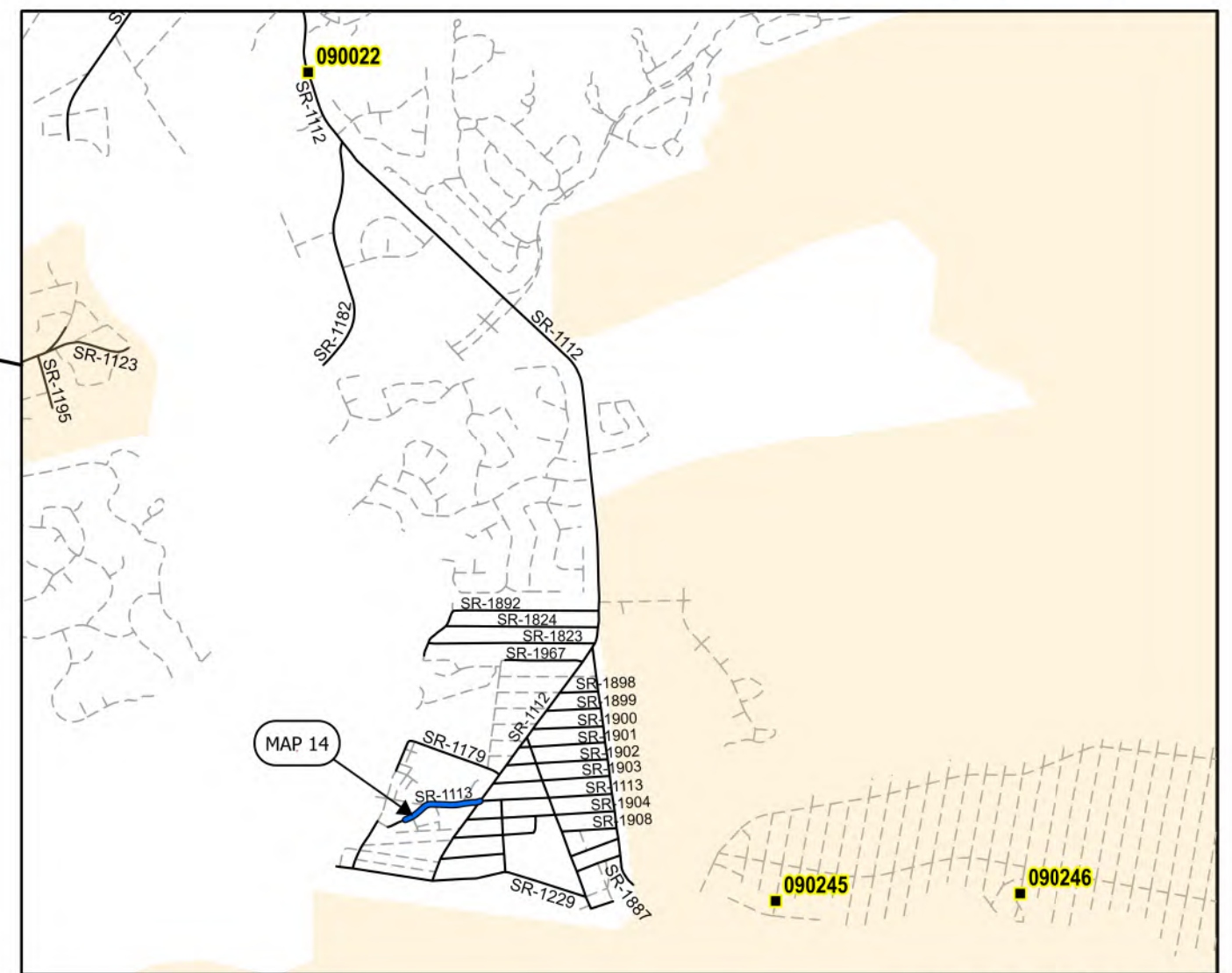
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	9
STATE PROJECT NUMBER		DESCRIPTION

- Preservation
- Resurfacing
- Division 3 Bridges

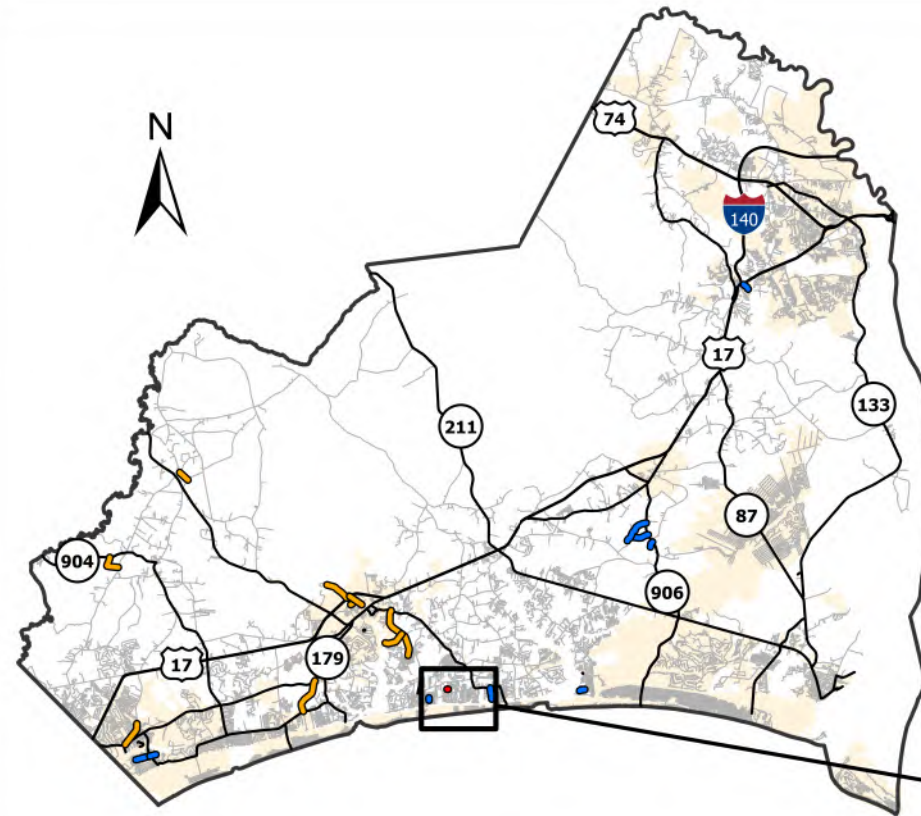
MAP	ROUTE	DESCRIPTION	TYPE
14	SR-1113/ GRAND RIVER DR/ POINT RD SE	FROM END OF PAVEMENT (POINT RD SE) TO SR 1112 (SUNSET HARBOR RD SE) [MP 0.06 - MP 0.31]	PRESERVATION



PROJECT LENGTH		Prepared in the Office of: DIVISION OF HIGHWAYS 5501 BARBADOS BLVD., CASTLE HAYNE, NC, 28429				
<table><tr><th>MAP</th><th>MILES</th></tr><tr><td>14</td><td>0.25</td></tr></table>		MAP		MILES	14	0.25
MAP	MILES					
14	0.25					

WBS NO: 2027CPT.03.01.20101, ETC.

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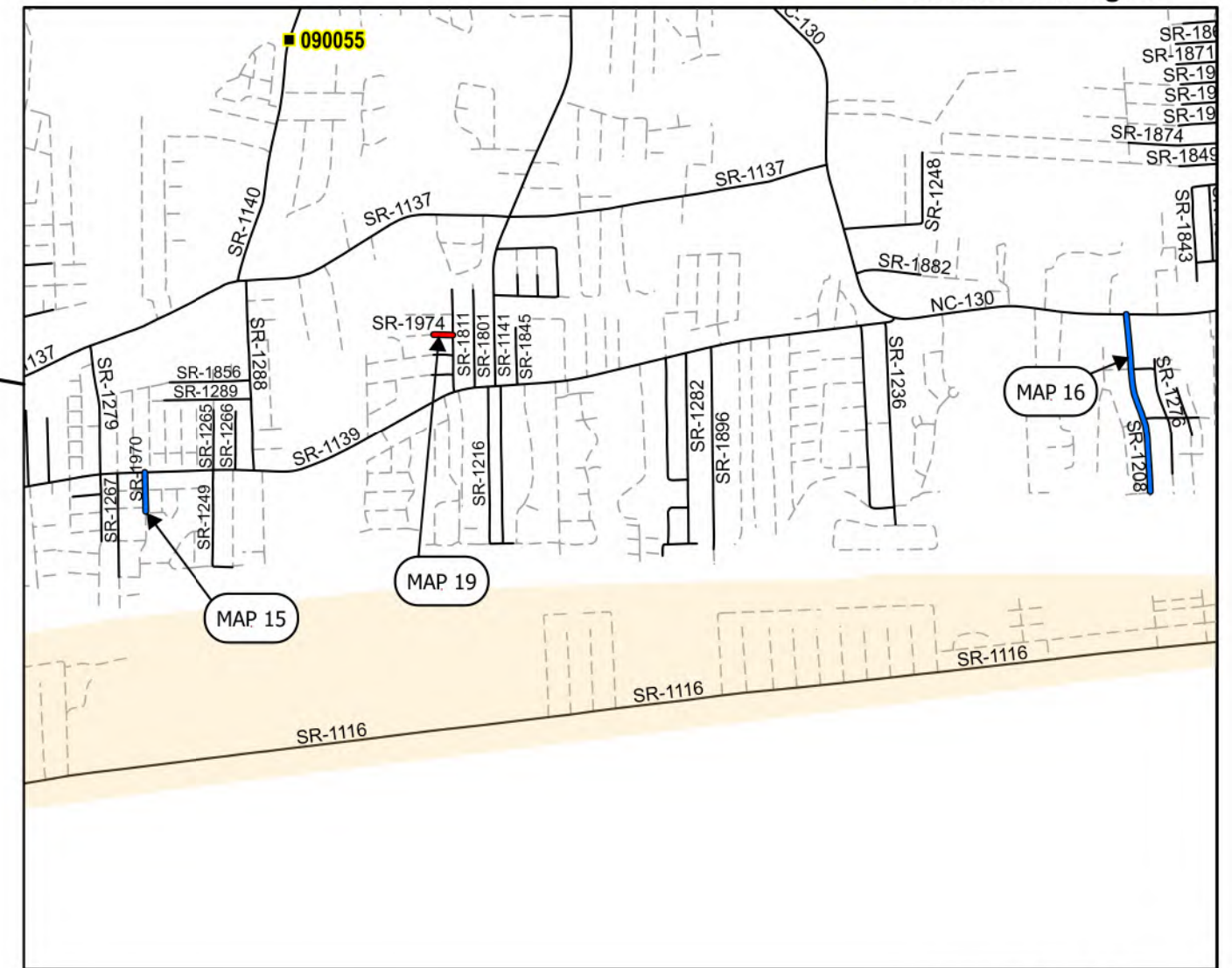
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BRUNSWICK COUNTY

TYPE OF WORK: RESURFACING AND PRESERVATION

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.03.01.20101, ETC.	10
STATE PROJECT NUMBER		DESCRIPTION

- Resurfacing
- Preservation
- Unpaved Road
- Division 3 Bridges

MAP	ROUTE	DESCRIPTION	TYPE
15	SR-1970/ S BLUEBEARD TRL SW	FROM SR 1139 (SEASHORE RD SW) TO END MAINTENANCE [MP 0.00 - MP 0.11]	PRESERVATION
16	SR-1208/ SHELL LANDING RD SW	FROM NC HWY 179 (BEACH DR) TO END MAINTENANCE [MP 0.00 - MP 0.51]	PRESERVATION
19	SR-1974/ RED SNAPPER ST	FROM SR 1811 (BLUE MARLIN ST SW) TO END MAINTENANCE [MP 0.00 - MP 0.054]	UNPAVED ROAD WBS 3C.010108



PROJECT LENGTH

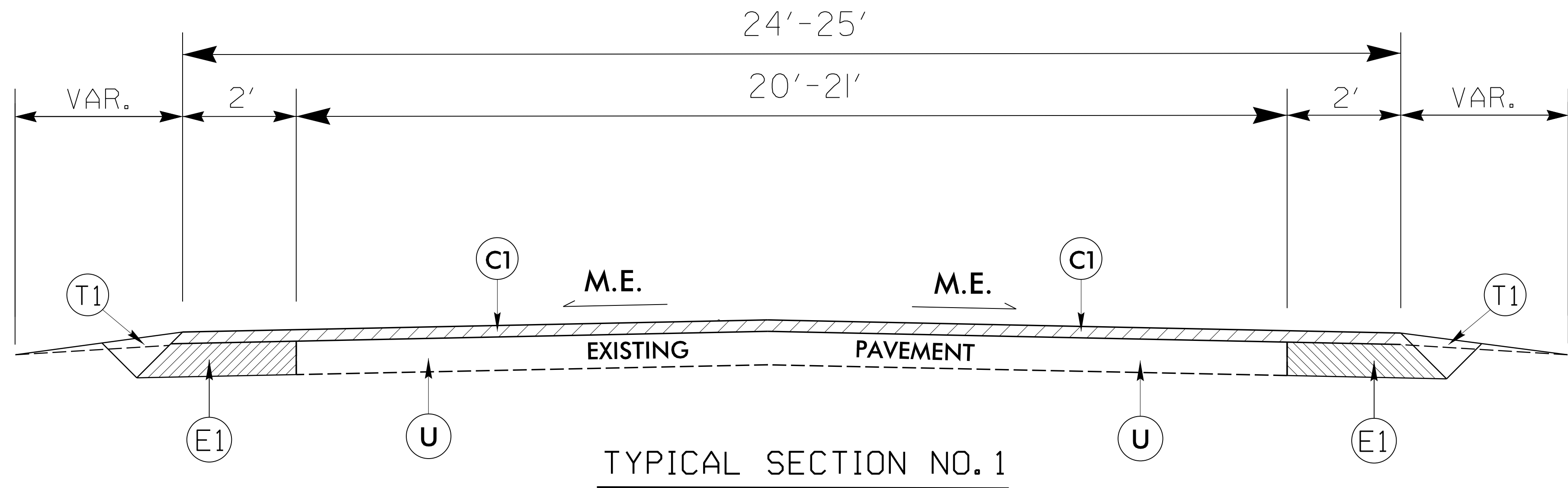
MAP	MILES
15	0.11
16	0.51
19	0.054

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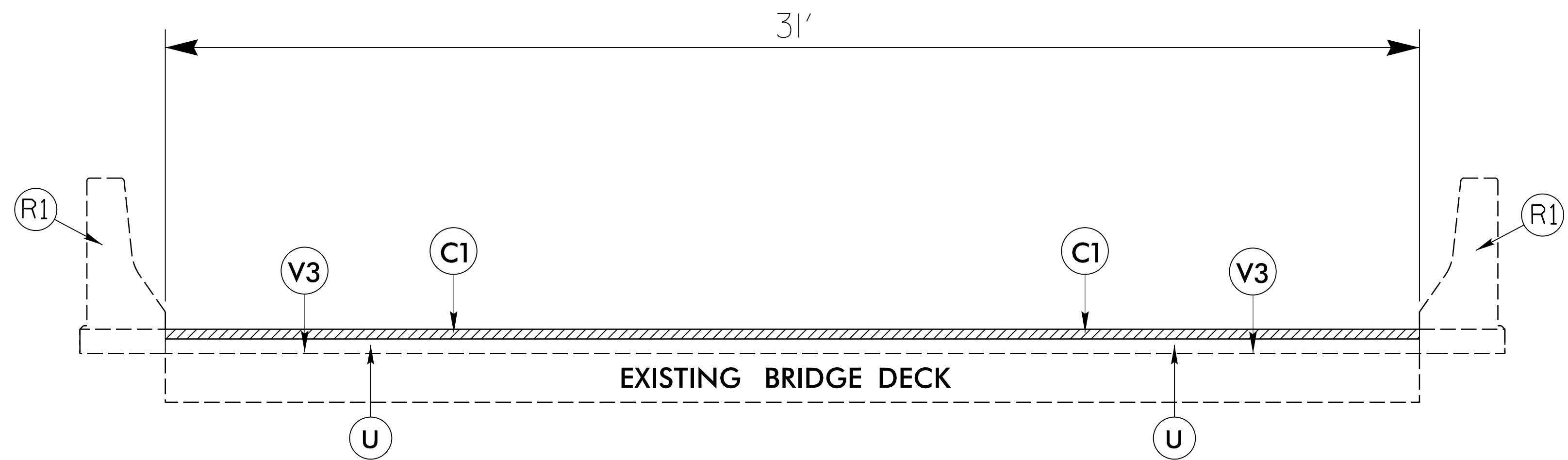
REVISIONS



MAP NO. 1
SR-1134 / GRAY BRIDGE RD SW
MP 0.00 - MP 2.39

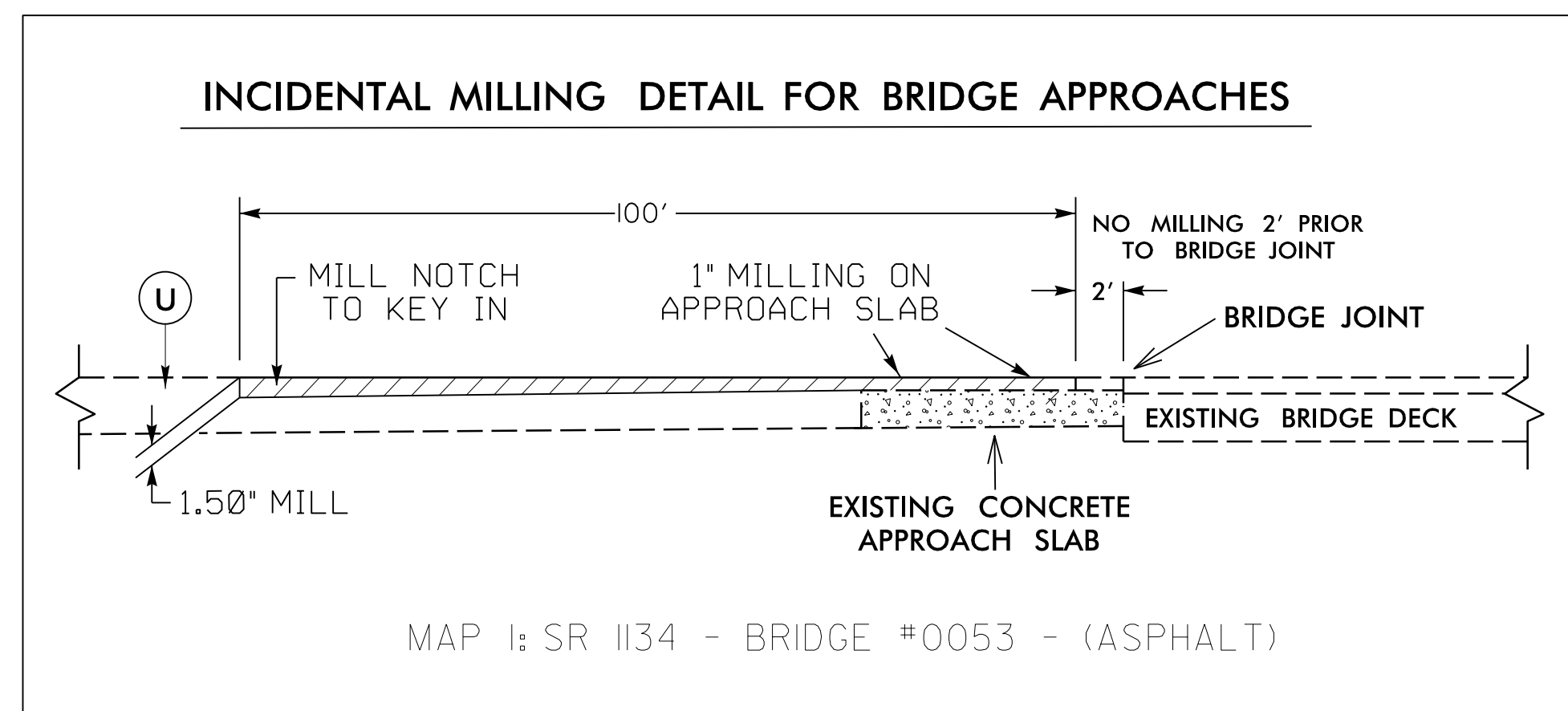
MAP NO. 2
SR-1135 / TAR LANDING RD SW
MP 0.00 - MP 0.92

MAP NO. 7
SR-1362 / BAILEY ST
MP 0.00 - MP 0.31



TYPICAL SECTION NO. 2

MAP NO. 1
SR-1134 / GRAY BRIDGE RD SW
MP 2.26 - MP 2.29



MAP 1: SR 1134 - BRIDGE #0053 - (ASPHALT)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
R1	EXISTING BRIDGE GUARDRAIL
R2	EXISTING 2'-6" CURB & GUTTER
R3	EXISTING SHOULDER BERM GUTTER
R5	EXISTING 24" CURB
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
U1	EXISTING STONE
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH
V3	MILLING ASPHALT PAVEMENT, 1.5" DEPTH

NOTES:

MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAPS NO.1, 2, AND 7 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

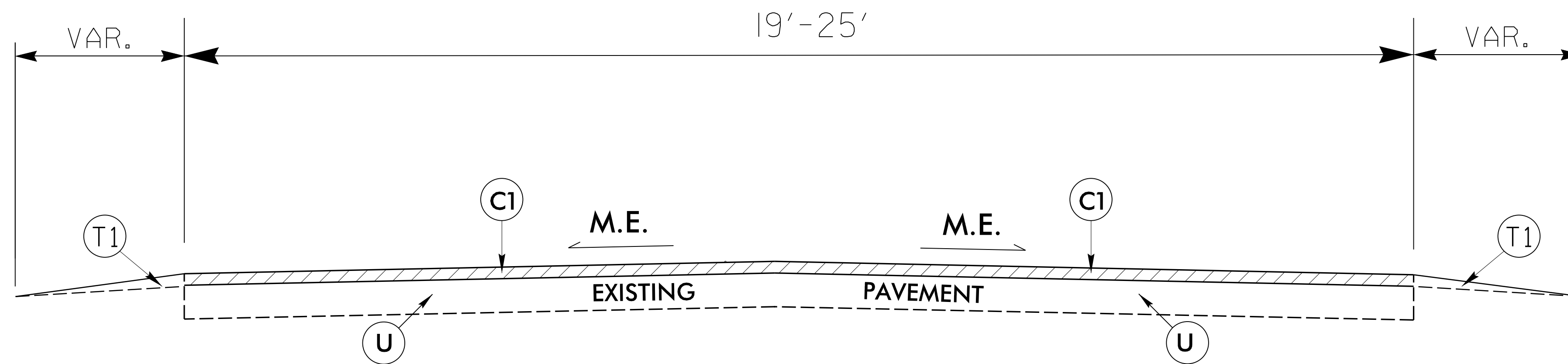
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

SR	Road Name	Average Lane Width (LF)
SR-1134	GRAY BRIDGE RD SW	10
SR-1135	TAR LANDING RD SW	10
SR-1362	BAILEY ST	10

8/17/99

REVISIONS

7/27/2026
Project Brunswick_RdJ- typ-1.dgn
JTB/Retennell



TYPICAL SECTION NO. 3

MAP NO. 3
SR 1154 / HALE SWAMP RD SW
MP 0.08 - MP 1.63

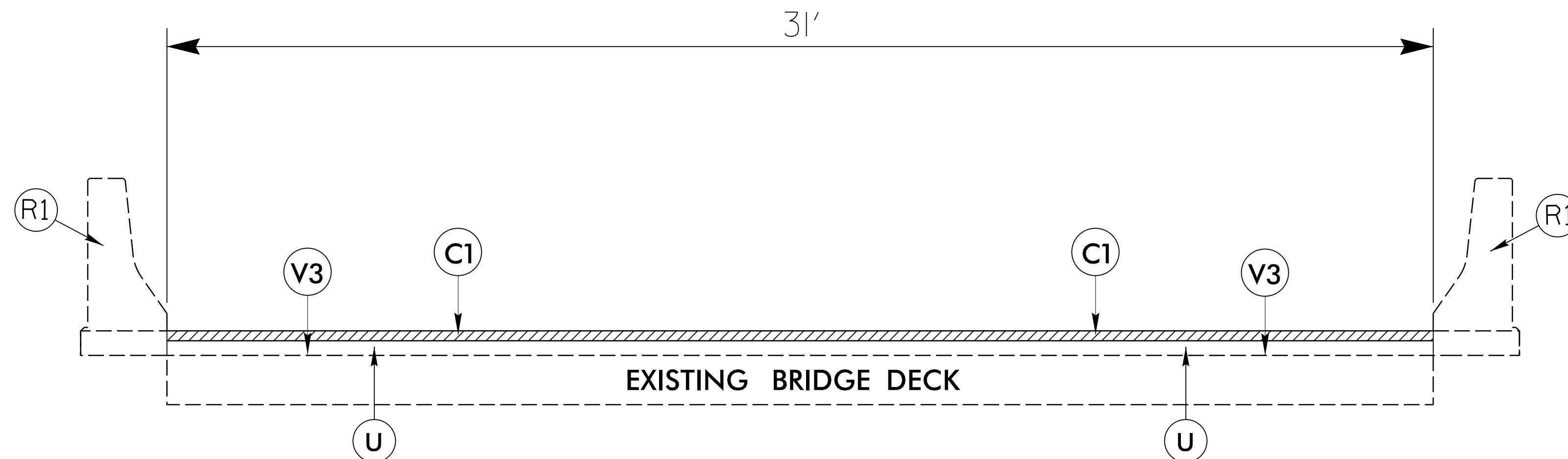
MAP NO. 4
SR 1165 / THOMASBORO RD
MP 2.41 - MP 3.53

MAP NO. 5
SR-1357 / SMITH AVE
MP 0.36 - MP 0.92

MAP NO. 6
SR 1357 / N MULBERRY RD NW
MP 1.00 - MP 2.23

MAP NO. 8
SR-1309 / HORSESHOE RD NW
MP 0.00 - MP 0.92

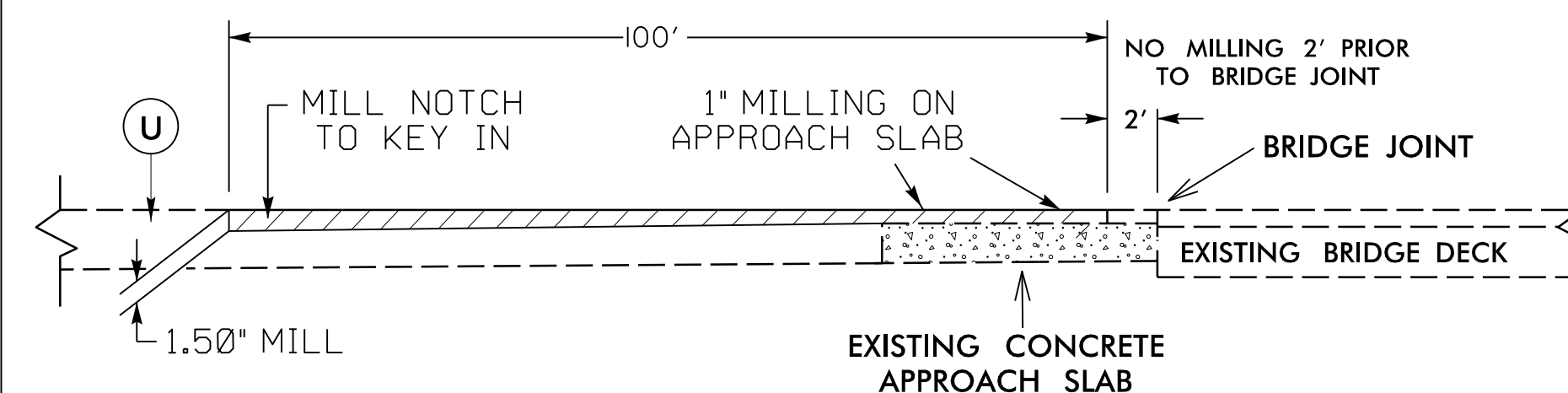
MAP NO. 9
SR-1329 / BABSON RD NW
MP 0.00 - MP 0.51



TYPICAL SECTION NO. 4

MAP NO. 3
SR 1154 / HALE SWAMP RD SW
MP 1.30 - MP 1.41

INCIDENTAL MILLING DETAIL FOR BRIDGE APPROACHES



MAP 3: SR 1154 - BRIDGE #0064 - (ASPHALT)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
R1	EXISTING BRIDGE GUARDRAIL
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V3	MILLING ASPHALT PAVEMENT, 1.5" DEPTH

NOTES:

MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAPS NO. 3, 4, 5, 6, 8, AND 9 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

MAP 6, BRIDGE NO. 090202
NO MILLING OF EXISTING RECENTLY PAVED BRIDGE APPROACHES OR ON THE BRIDGE ITSELF FROM APPROXIMATELY MP 1.41 TO APPROXIMATELY MP 1.58.

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

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
T1	EARTH MATERIAL SHOULDER RECONSTRUCTION
U1	EXISTING STONE

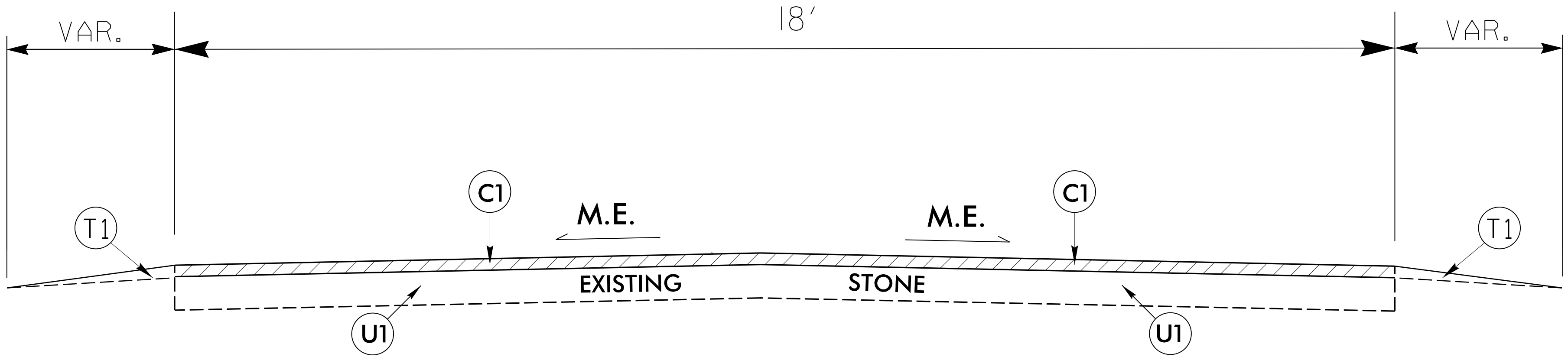
NOTES:

MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. I9 AS NEEDED, TO BE DETERMINED BY ENGINEER.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

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



TYPICAL SECTION NO. 5

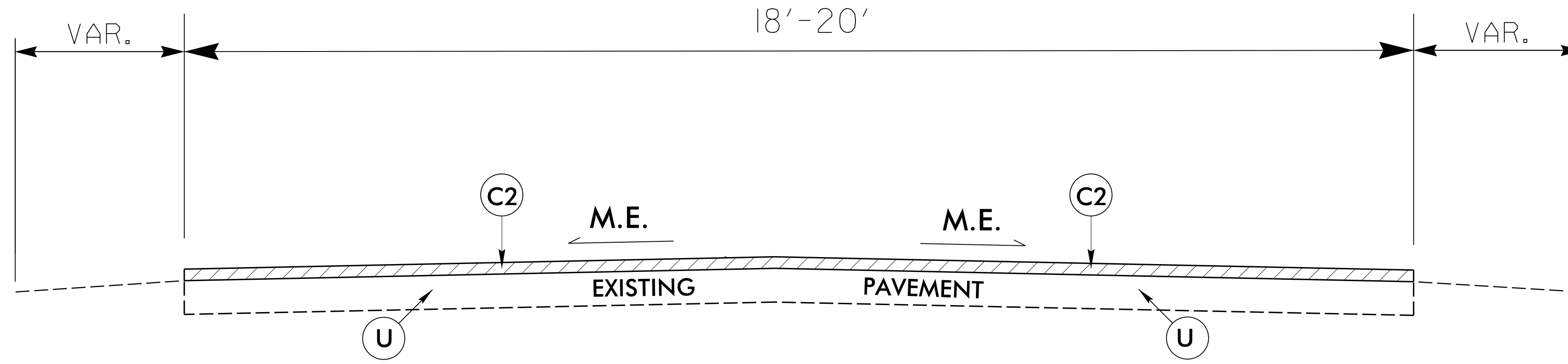
MAP NO. I9
SR 1974 / RED SNAPPER ST
MP 0.00 - MP 0.054

REVISIONS

8/17/99

REVISIONS

7/27/2026
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JTB



TYPICAL SECTION NO. 6

MAP NO. 10
SR-1568 / BRIDLE WAY SE
MP 0.00 - MP 0.30

MAP NO. 16
SR-1208 / SHELL LANDING RD SW
MP 0.00 - MP 0.51

MAP NO. 11
SR-1507 / BROWN RD SE
MP 0.00 MP 0.82

MAP NO. 17
SR-1246 / SHADY FOREST DR
MP 0.00 - MP 0.66

MAP NO. 12
SR-1538 / RUTLAND RD SE
MP 0.00 MP 0.27

MAP NO. 18
SR-1810 / SHADY FOREST DR SW
MP 0.00 - MP 0.28

MAP NO. 13
SR-1508 / ALBRIGHT RD SE
MP 0.00 MP 1.19

MAP NO. 14
SR-1113 / GRAND RIVER DR/POINT RD SE
MP 0.06 - MP 0.31

MAP NO. 15
SR-1970 / S BLUEBEARD TRAIL SW
MP 0.00 - MP 0.11

PROJECT REFERENCE NO.
2027CPT.03.01.2010I, ETC.

SHEET NO.
14

PAVEMENT SCHEDULE

C2	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
U	EXISTING PAVEMENT

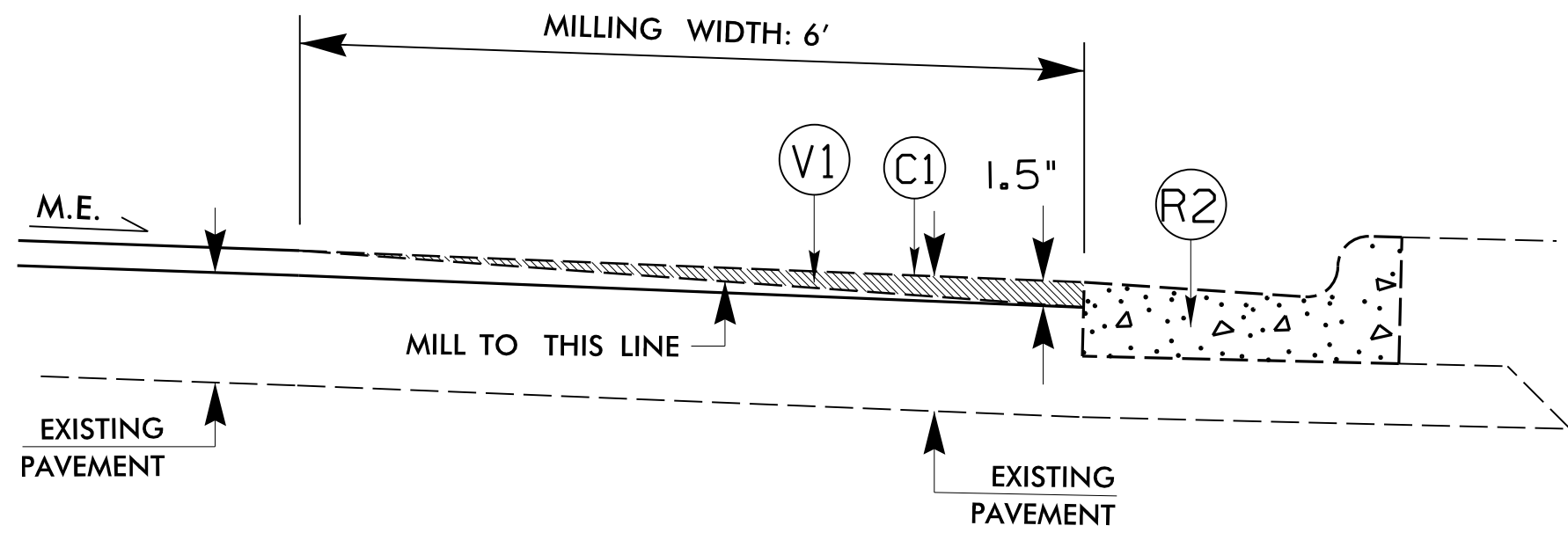
NOTES:

MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

THE CONTRACTOR SHALL RETAIN EXISTING LANE WIDTHS AND REINSTALL MARKINGS AT SAME LOCATIONS.

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

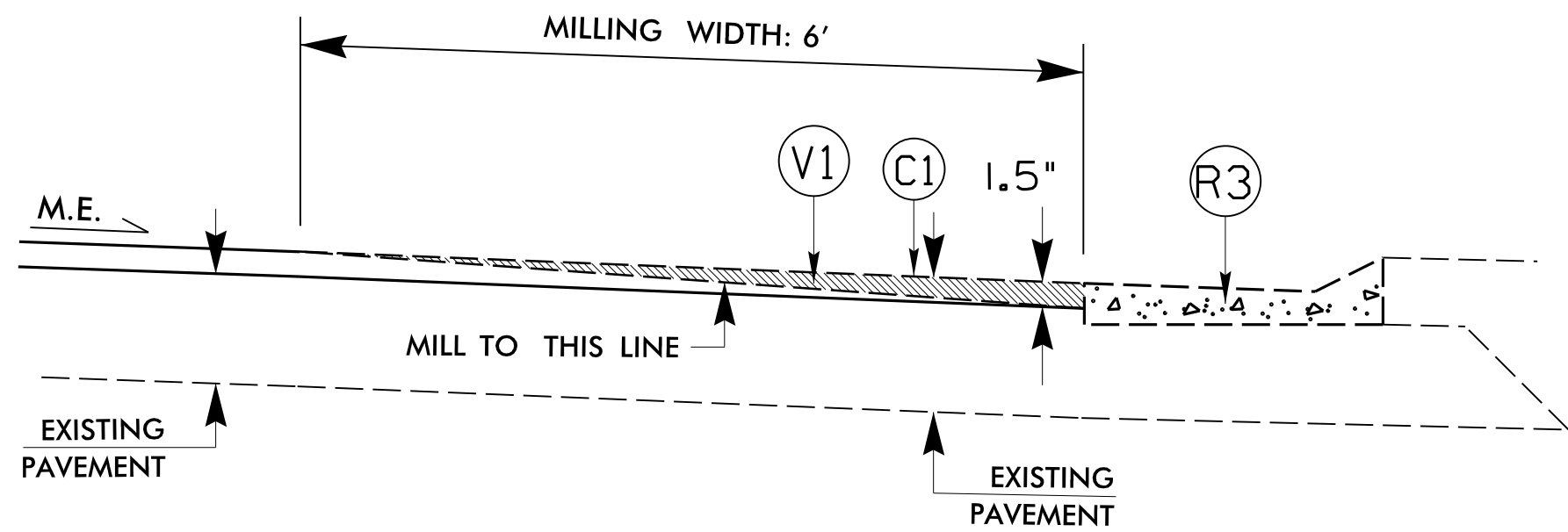
8/17/99



VARIABLE MILLING AT 2'6" CURB & GUTTER

GRAY BRIDGE RD SW RIGHT TURN LANE

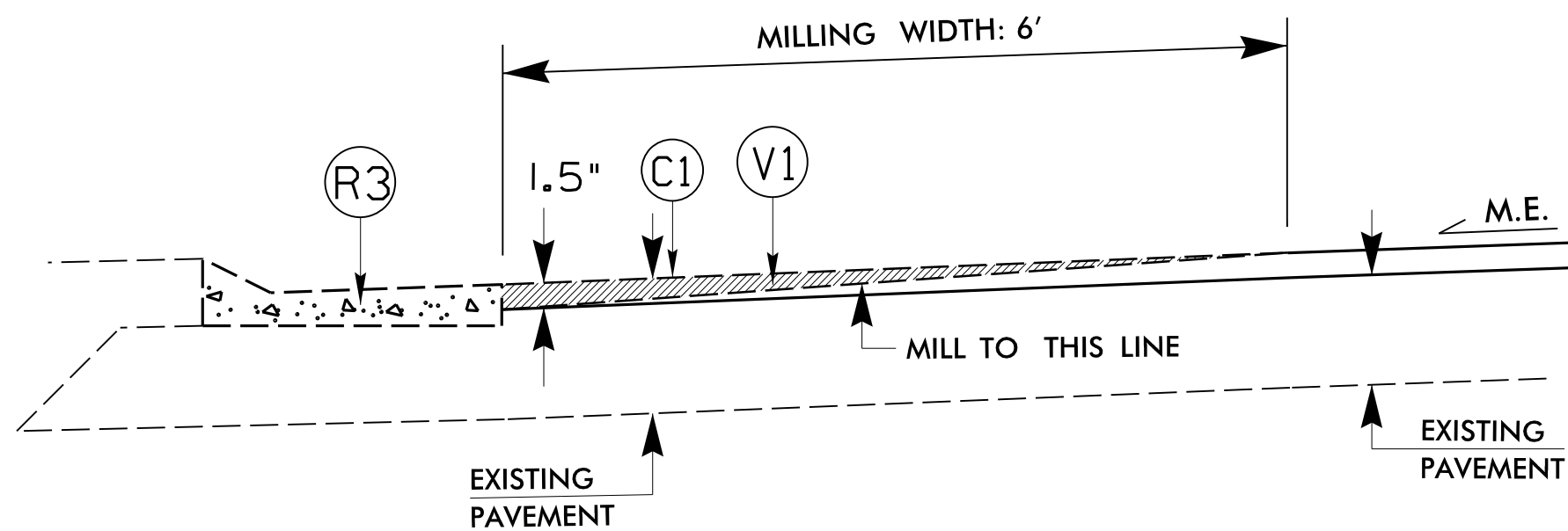
MAP NO. 1
SR-II34 / GRAY BRIDGE RD SW
305 LF



VARIABLE MILLING AT SHOULDER BERM GUTTER

GRAY BRIDGE RD SW SHOULDER BERM GUTTER AT BRIDGE

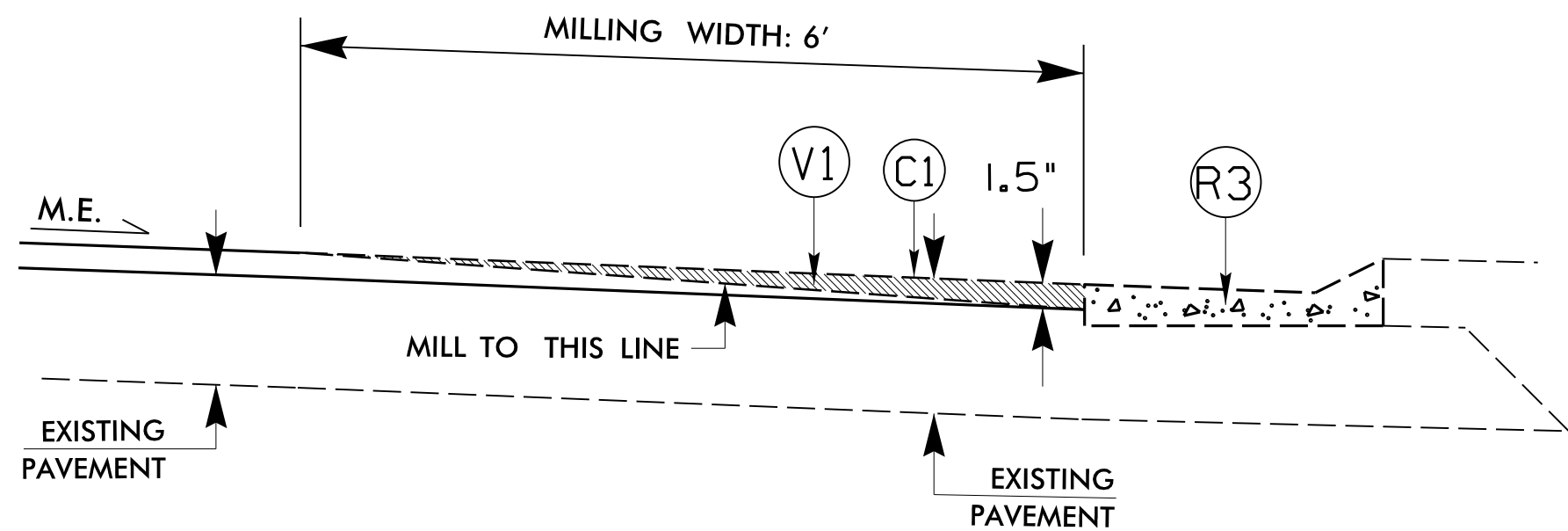
MAP NO. 1
SR-II34 / GRAY BRIDGE RD SW
RT. TOTAL - 123 LF



VARIABLE MILLING AT SHOULDER BERM GUTTER

GRAY BRIDGE RD SW SHOULDER BERM GUTTER AT BRIDGE

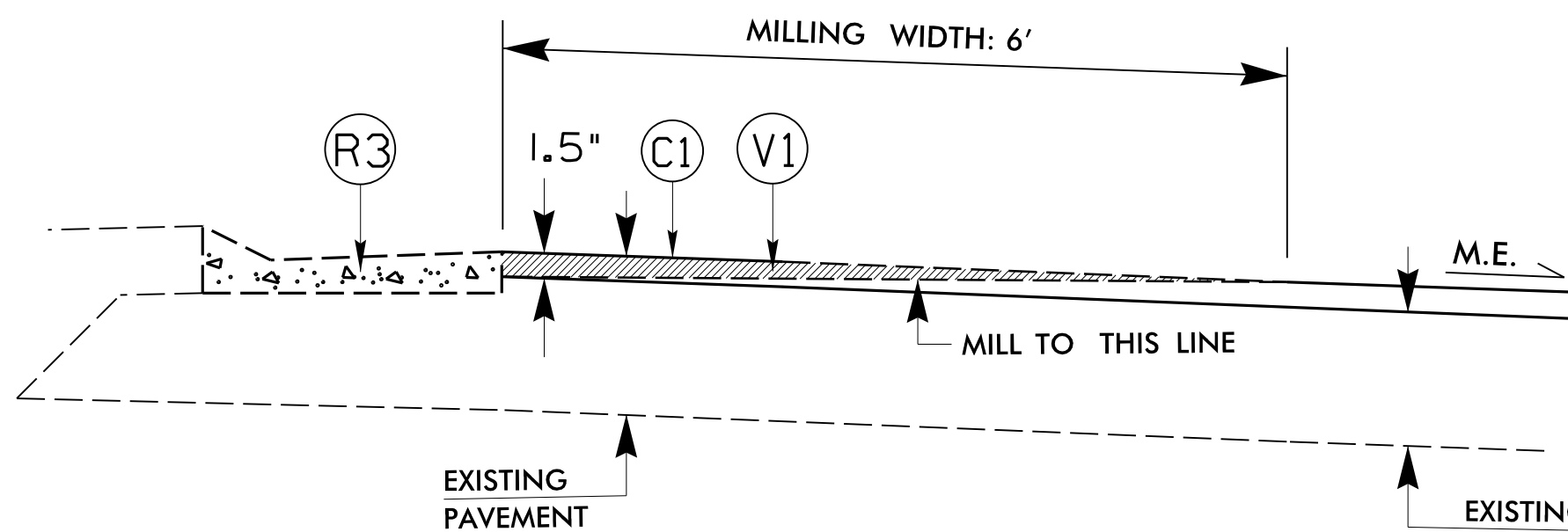
MAP NO. 1
SR-II34 / GRAY BRIDGE RD SW
LT. TOTAL - 24 LF



VARIABLE MILLING AT SHOULDER BERM GUTTER

HALE SWAMP RD SW SHOULDER BERM GUTTER AT BRIDGE

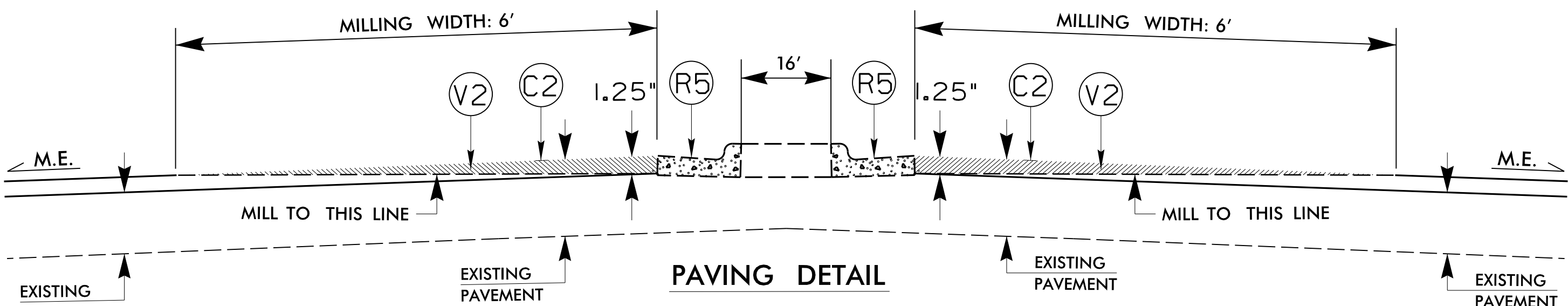
MAP NO. 3
SR II54 / HALE SWAMP RD SW
RT. TOTAL - 45 LF



VARIABLE MILLING AT SHOULDER BERM GUTTER

HALE SWAMP RD SW SHOULDER BERM GUTTER AT BRIDGE

MAP NO. 3
SR II54 / HALE SWAMP RD SW
LT. TOTAL - 8 LF



PAVING DETAIL

LANDSCAPED ISLAND @ BRIDLE WAY

MAP NO. 10
SR I568 / BRIDLE WAY SE
ISLAND - 100 LF

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1¼" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
R2	EXISTING 2'-6" CURB & GUTTER
R3	EXISTING SHOULDER BERM GUTTER
R5	EXISTING 24" CURB
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" TO 1.5" DEPTH
V2	VARIABLE MILLING 0" TO 1.25" DEPTH

REVISIONS

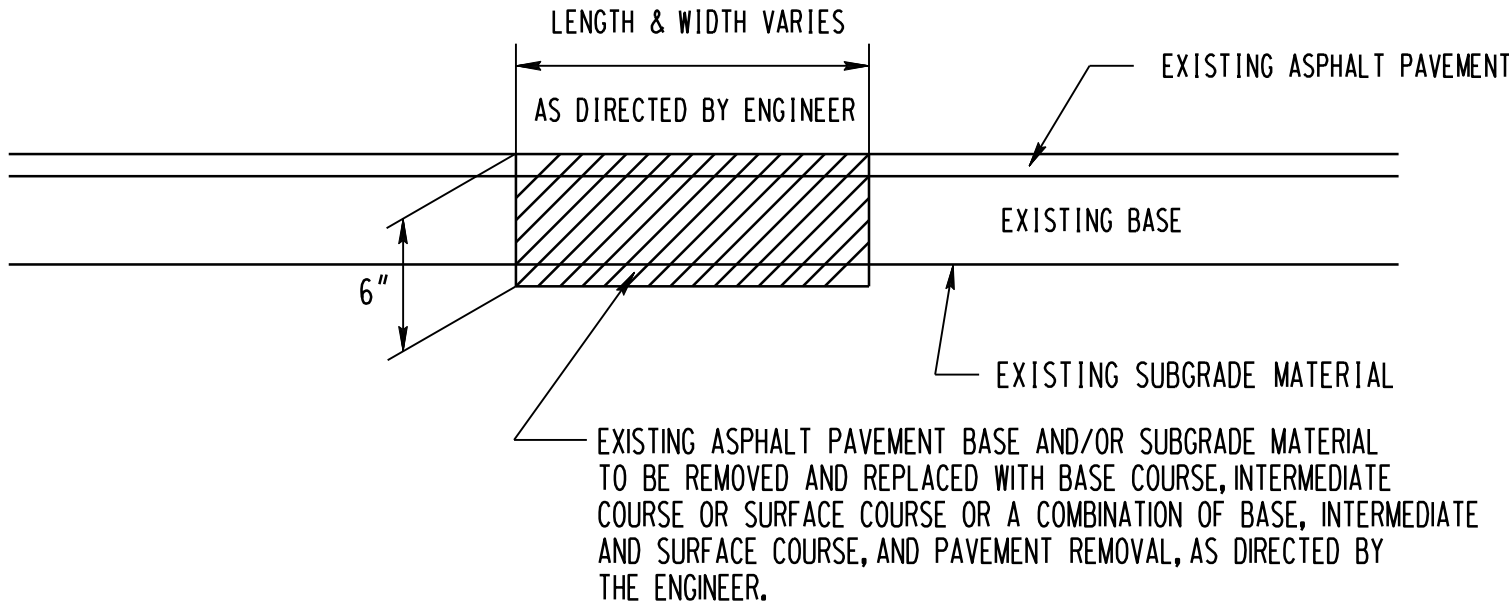
7/27/2026
Project Brunswick_Rdy_typ-1.dgn
JST/Retennell

2024 ROADWAY ENGLISH STANDARD DRAWINGS
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2024 are applicable to this project and by reference hereby are considered a part of these plans:
STD.NO. TITLE
DIVISION 8 - INCIDENTALS
846.01 Concrete Curb, Gutter and Curb & Gutter
DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION
1205.08 Pavement Markings - Symbols & Word Messages

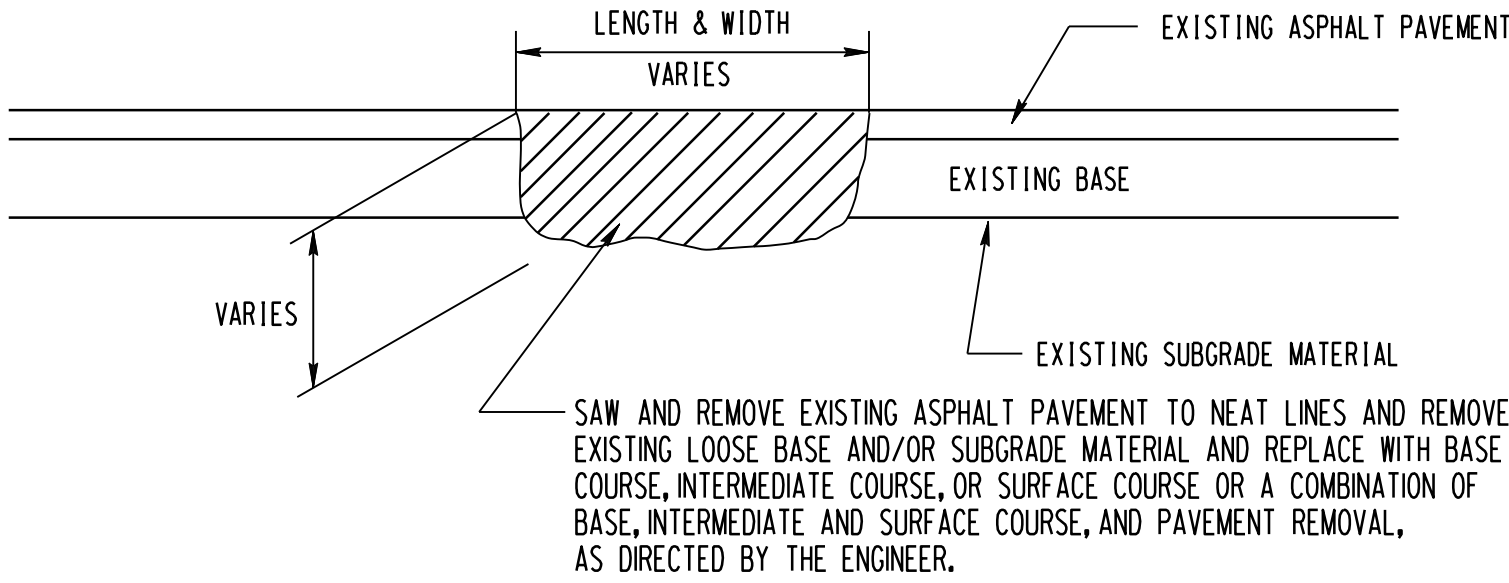
EFF. 01-16-2024
REV.

REVISIONS

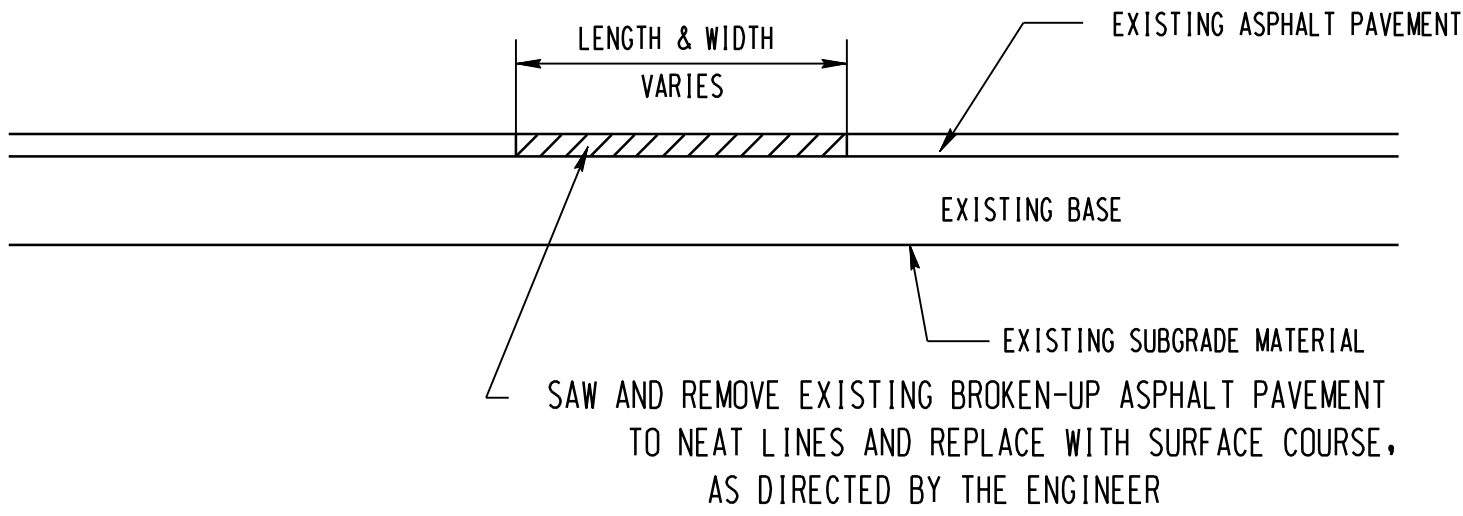
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR
TO RESURFACING FOR FULL DEPTH AND MILLING



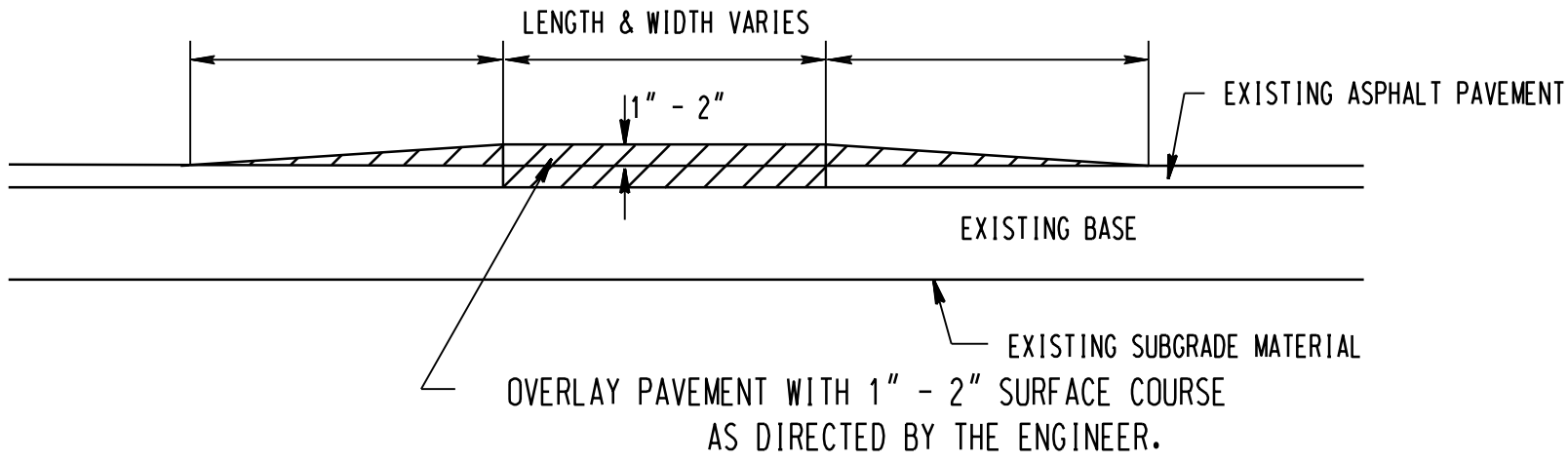
DETAIL NO. 1



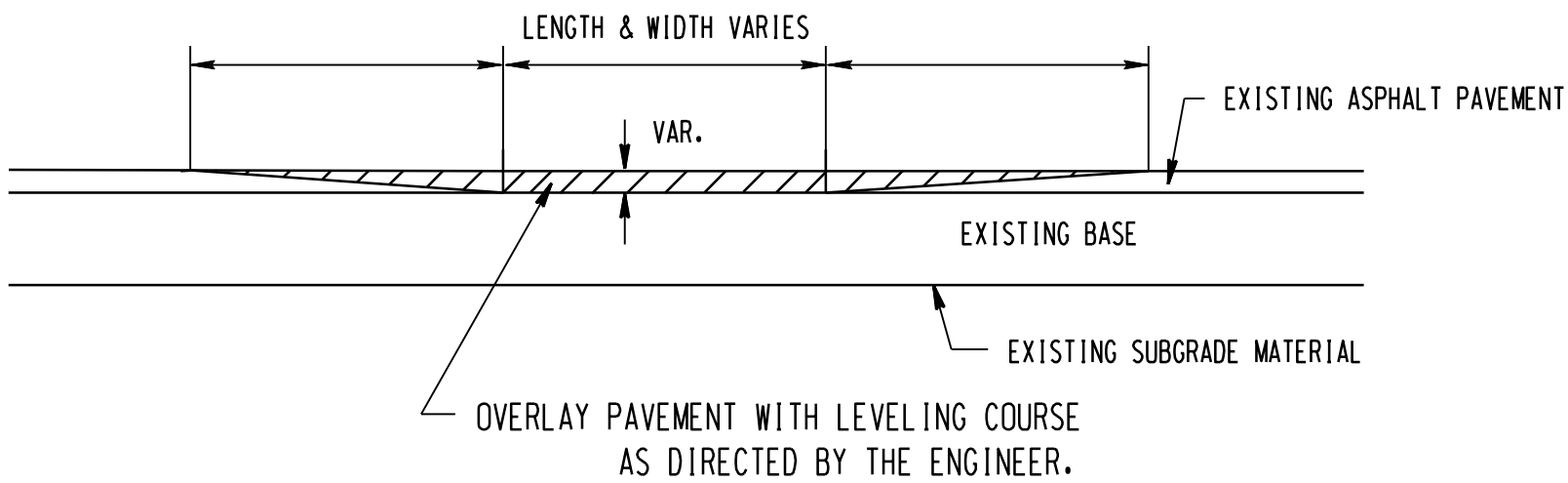
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

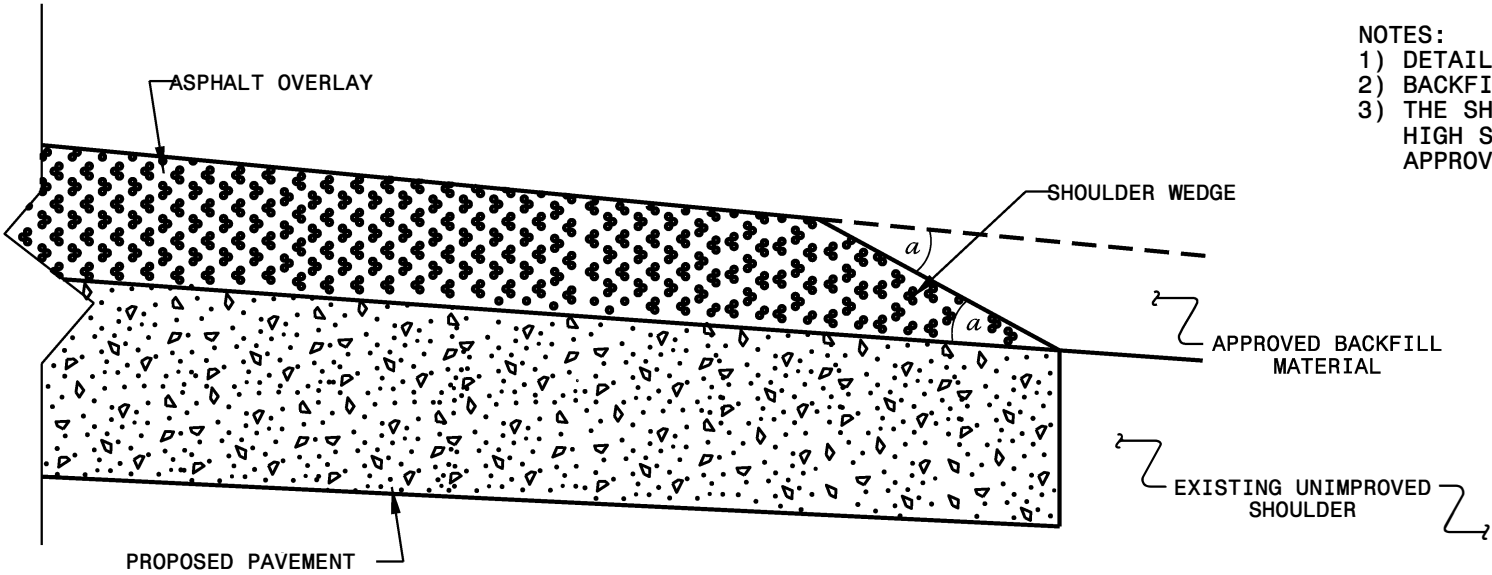


DETAIL NO. 5

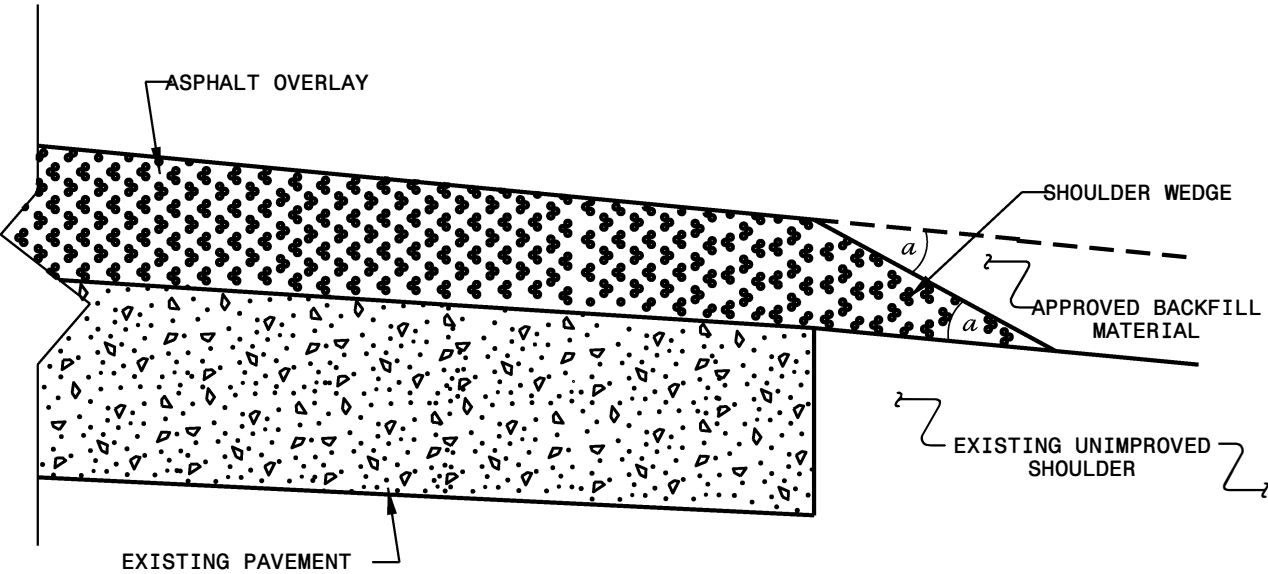
8/17/99

7/27/2026
Project Brunswick_Rdy.txd
User: kenny

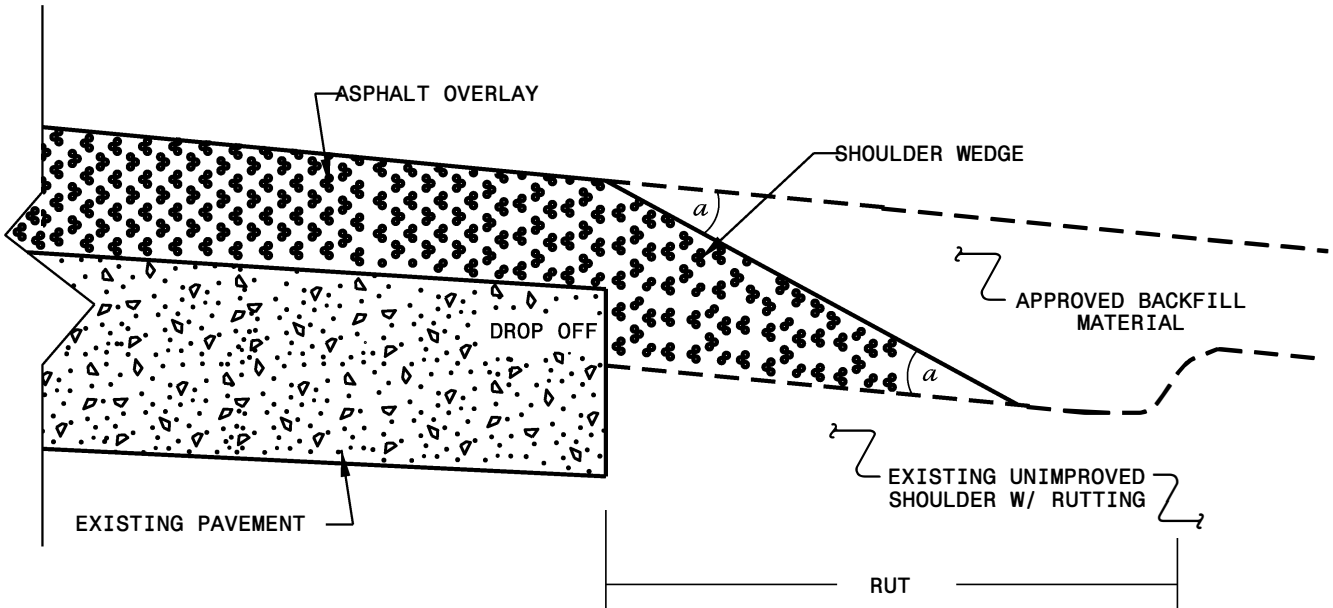
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFS AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

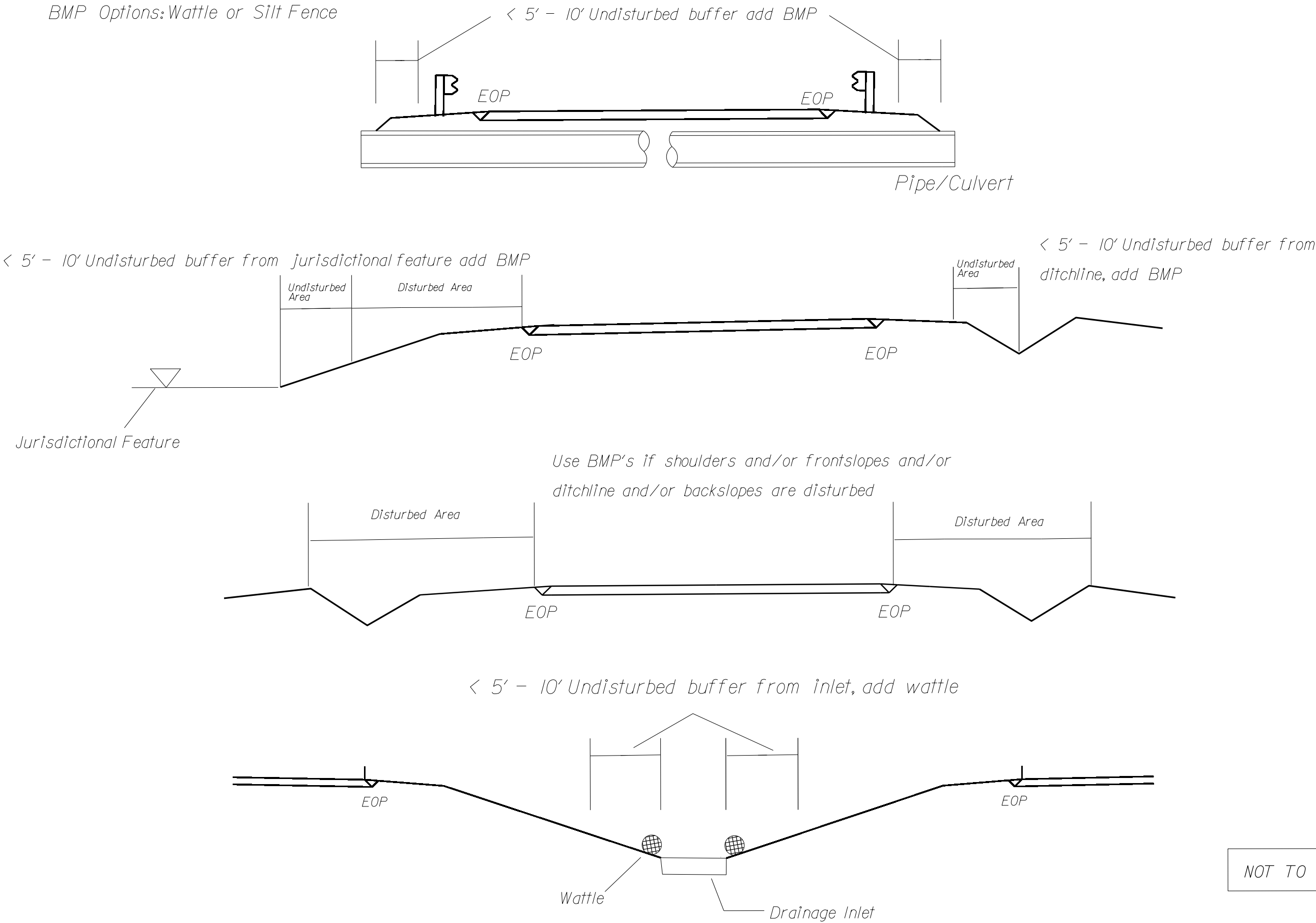
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

NOTES: Less than 5' – 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



NOT TO SCALE

SUMMARY OF QUANTITIES

REVISIONS

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	0106000000-E	1011000000-N	1220000000-E	1245000000-E	1297000000-E	1308000000-E		1330000000-E	1491000000-E	1519000000-E	1520000000-E
								MI	FT			CY	LS	TON	SMI	SY	0" - 1.5" MILLING (GENERIC)	0" - 1.25" MILLING (GENERIC)	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B
																	SY	SY	SY	TONS	TON	TON
2027CPT.03.01.2010I	Brunswick	1	SR-1134 / GRAY BRIDGE RD SW	FROM SR 1132 (SHELL POINT RD SW) TO NC HWY 130 (HOLDEN BEACH RD) [MP 0.00 - MP 2.39]	1,2	2	2WU	2.390	24	0.000	2.390	288		106	4.72	226	301		434	1,317	3,319	10
TOTAL FOR MAP NO. 1								2.390				288		106	4.72	226	301		434	1,317	3,319	10
2027CPT.03.01.2010I	Brunswick	2	SR-1135 / TAR LANDING RD SW	FROM SR 1134 (GRAY BRIDGE RD SW) TO EOM [MP 0.00 - MP 0.92]	1	2	2WU	0.920	24	0.000	0.920	112		36	1.80				61	513	1,129	
TOTAL FOR MAP NO. 2								0.920				112		36	1.80				61	513	1,129	
2027CPT.03.01.2010I	Brunswick	3	SR-1154 / HALE SWAMP RD SW	FROM SR 1163 (OLD GEORGETOWN RD SW) TO NC HWY 179 (BEACH DR SW) [MP 0.08 - MP 1.63]	3,4	2	2WU	1.550	25	0.080	1.630	189		58	3.10	262	35		571		2,010	
TOTAL FOR MAP NO. 3								1.550				189		58	3.10	262	35		571		2,010	
2027CPT.03.01.2010I	Brunswick	4	SR-1165 / THOMASBORO RD	FROM SR 1164 (CLAIRDAY RD SW) TO NC HWY 179 (BEACH DR) [MP 2.41 - MP 3.53]	3	2	2WU	1.120	22	2.410	3.530	131		14	2.00				527		1,297	5
TOTAL FOR MAP NO. 4								1.120				131		14	2.00				527		1,297	5
2027CPT.03.01.2010I	Brunswick	5	SR-1357 / SMITH AVE	FROM STEWART LN (NS) TO US HWY 17 BYPASS [MP 0.36 - MP 0.92]	3	2	2WU	0.560	24	0.360	0.920	67		28	1.00				670		721	
TOTAL FOR MAP NO. 5								0.560				67		28	1.00				670		721	
2027CPT.03.01.2010I	Brunswick	6	SR-1357 / N. MULBERRY RD NW	FROM SR 1357 (EXPRESS DR NW) TO EOM [MP 1.00 - MP 2.23]	3	2	2WU	1.230	20	1.000	2.230	133		82	2.20				234		1,105	
TOTAL FOR MAP NO. 6								1.230				133		82	2.20				234		1,105	
2027CPT.03.01.2010I	Brunswick	7	SR-1362 / BAILEY ST	FROM SR 1357 (SMITH AVE) TO EOM [MP 0.00 - MP 0.31]	1	2	2WU	0.310	25	0.000	0.310	35		6	0.60				114	161	358	
TOTAL FOR MAP NO. 7								0.310				35		6	0.60				114	161	358	
2027CPT.03.01.2010I	Brunswick	8	SR-1309 / HORSESHOE RD NW	FROM SR 1300 (ASH-LITTLE RIVER RD NW) TO NC HWY 904 (PIREWAY RD NW) [MP 0.00 - MP 0.92]	3	2	2WU	0.920	19	0.000	0.920	101		6	1.80				112		852	5
TOTAL FOR MAP NO. 8								0.920				101		6	1.80				112		852	5
2027CPT.03.01.2010I	Brunswick	9	SR-1329 / BABSON RD NW	FROM SR 1330 (WACCAMAW SCHOOL RD NW) TO SR 1328 (SIMMONS RD NW) [MP 0.00 - MP 0.51]	3	2	2WU	0.510	21	0.000	0.510	61		28	1.00				619		570	
TOTAL FOR MAP NO. 9								0.510				61		28	1.00				619		570	
TOTAL FOR PROJ NO. 2027CPT.03.01.2010I								9.510				1,117		364	18.22	488	336		3,342	1,991	11,361	20
																	336					
2027CPT.03.01.20102	Brunswick	10	SR-1568 / BRIDLE WAY SE	FROM SR 1619 (HAZELS BRANCH RD SE) TO EOM [MP 0.00 - MP 0.30]	6	2	2WU	0.300	20	0.000	0.300							142	111		303	
TOTAL FOR MAP NO. 10								0.300										142	111		303	
2027CPT.03.01.20102	Brunswick	11	SR-1507 / BROWN RD SE	FROM NC HWY 906 (MIDWAY RD) TO SR 1508 (ALBRIGHT RD SE) [MP 0.00 - MP 0.82]	6	2	2WU	0.820	20	0.000	0.820								56		682	10
TOTAL FOR MAP NO. 11								0.820											56		682	10
2027CPT.03.01.20102	Brunswick	12	SR-1538 / RUTLAND RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 0.27]	6	2	2WU	0.270	19	0.000	0.270								53		189	
TOTAL FOR MAP NO. 12								0.270											53		189	
2027CPT.03.01.20102	Brunswick	13	SR-1508 / ALBRIGHT RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 1.19]	6	2	2WU	1.190	20	0.000	1.190								56		991	
TOTAL FOR MAP NO. 13								1.190											56		991	
2027CPT.03.01.20102	Brunswick	14	SR-1113 / GRAND RIVER DR/POINT RD SE	FROM END OF PAVEMENT (POINT RD SE) TO SR 1112 (SUNSET HARBOR RD SE) [MP 0.06 - MP 0.31]	6	2	2WU	0.250	18	0.060	0.310								50		214	
TOTAL FOR MAP NO. 14								0.250											50		214	
2027CPT.03.01.20102	Brunswick	15	SR-1970 / S. BLUEBEARD TRL SW	FROM SR 1139 (SEASHORE RD SW) TO EOM [MP 0.00 - MP 0.11]	6	2	2WU	0.110	18	0.000	0.110								100		105	20
TOTAL FOR MAP NO. 15								0.110											100		105	20
2027CPT.03.01.20102	Brunswick	16	SR-1208 / SHELL LANDING RD SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.510]	6	2	2WU	0.510	20	0.000	0.510								298		439	
TOTAL FOR MAP NO. 16								0.510											298		439	
2027CPT.03.01.20102	Brunswick	17	SR-1246 / SHADY FOREST DR	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.660]	6	2	2WU	0.660	20	0.000	0.660								116		547	15
TOTAL FOR MAP NO. 17								0.660											116		547	15
2027CPT.03.01.20102	Brunswick	18	SR-1810 / SHADY FOREST DR SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.280]	6	2	2WU	0.280	20	0.000	0.280								58		226	5
TOTAL FOR MAP NO. 18								0.280											58		226	5
TOTAL FOR PROJ NO. 2027CPT.03.01.20102								4.390									142		898		3,696	50
3C.010108	Brunswick	19	SR-1974 / RED SNAPPER ST	FROM SR 1811 (BLUE MARLIN ST SW) TO EOM [MP 0.00 - MP 0.054]	5	2	2WU	0.054	18	0.000	0.054	6	1	1	0.10						51	
TOTAL FOR MAP NO. 19								0.054				6	1	1	0.10						51	
TOTAL FOR PROJ NO. 3C.010108								0.054				6	1	1	0.10						51	
GRAND TOTAL								13.954				1,123	1	365	18.32	488	336	142	4,240	1,991	15,108	70

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1575000000-E ASPHALT BINDER FOR PLANT MIX	1705500000-E PATCHING EXISTING PAVEMENT (MILL)	2845000000-N ADJUSTMENT OF METER OR VALVE BOX	5255000000-N PORTABLE LIGHTING	6000000000-E TEMPORARY SILT FENCE	6036000000-E MATTING FOR EROSION CONTROL	6071010000-E WATTLE	6084000000-E SEED & MULCHING	6117000000-N RESPONSE FOR EROSION CONTROL	7444000000-E INDUCTIVE LOOP SAWCUT
								MI	FT			TON	TON	EA	LS	LF	SY	LF	AC	EA	LF
2027CPT.03.01.20101	Brunswick	1	SR-1134 / GRAY BRIDGE RD SW	FROM SR 1132 (SHELL POINT RD SW) TO NC HWY 130 (HOLDEN BEACH RD) [MP 0.00 - MP 2.39]	1,2	2	2WU	2.390	24	0.000	2.390	318	888			235	20	40	2.30	5	190
TOTAL FOR MAP NO. 1								2.390				318	888			235	20	40	2.30	5	190
2027CPT.03.01.20101	Brunswick	2	SR-1135 / TAR LANDING RD SW	FROM SR 1134 (GRAY BRIDGE RD SW) TO EOM [MP 0.00 - MP 0.92]	1	2	2WU	0.920	24	0.000	0.920	112	332			90	10	20	0.90	2	
TOTAL FOR MAP NO. 2								0.920				112	332			90	10	20	0.90	2	
2027CPT.03.01.20101	Brunswick	3	SR-1154 / HALE SWAMP RD SW	FROM SR 1163 (OLD GEORGETOWN RD SW) TO NC HWY 179 (BEACH DR SW) [MP 0.08 - MP 1.63]	3,4	2	2WU	1.550	25	0.080	1.630	145	297			155	20	30	1.50	3	
TOTAL FOR MAP NO. 3								1.550				145	297			155	20	30	1.50	3	
2027CPT.03.01.20101	Brunswick	4	SR-1165 / THOMASBORO RD	FROM SR 1164 (CLAIRDAY RD SW) TO NC HWY 179 (BEACH DR) [MP 2.41 - MP 3.53]	3	2	2WU	1.120	22	2.410	3.530	92	144	1		110	10	20	1.00	2	
TOTAL FOR MAP NO. 4								1.120				92	144	1		110	10	20	1.00	2	
2027CPT.03.01.20101	Brunswick	5	SR-1357 / SMITH AVE	FROM STEWART LN (NS) TO US HWY 17 BYPASS [MP 0.36 - MP 0.92]	3	2	2WU	0.560	24	0.360	0.920	55	170	1	1.00	55	10	10	0.50	2	
TOTAL FOR MAP NO. 5								0.560				55	170	1	1.00	55	10	10	0.50	2	
2027CPT.03.01.20101	Brunswick	6	SR-1357 / N. MULBERRY RD NW	FROM SR 1357 (EXPRESS DR NW) TO EOM [MP 1.00 - MP 2.23]	3	2	2WU	1.230	20	1.000	2.230	79	145			120	10	20	1.20	3	
TOTAL FOR MAP NO. 6								1.230				79	145			120	10	20	1.20	3	
2027CPT.03.01.20101	Brunswick	7	SR-1362 / BAILEY ST	FROM SR 1357 (SMITH AVE) TO EOM [MP 0.00 - MP 0.31]	1	2	2WU	0.310	25	0.000	0.310	38	164	1		30	10	10	0.25	2	
TOTAL FOR MAP NO. 7								0.310				38	164	1		30	10	10	0.25	2	
2027CPT.03.01.20101	Brunswick	8	SR-1309 / HORSESHOE RD NW	FROM SR 1300 (ASH-LITTLE RIVER RD NW) TO NC HWY 904 (PIREWAY RD NW) [MP 0.00 - MP 0.92]	3	2	2WU	0.920	19	0.000	0.920	60	89			90	10	20	0.85	2	
TOTAL FOR MAP NO. 8								0.920				60	89			90	10	20	0.85	2	
2027CPT.03.01.20101	Brunswick	9	SR-1329 / BABSON RD NW	FROM SR 1330 (WACCAMAW SCHOOL RD NW) TO SR 1328 (SIMMONS RD NW) [MP 0.00 - MP 0.51]	3	2	2WU	0.510	21	0.000	0.510	42	102			50	10	10	0.50	2	
TOTAL FOR MAP NO. 9								0.510				42	102			50	10	10	0.50	2	
TOTAL FOR PROJ NO. 2027CPT.03.01.20101								9.510				941	2,331	3	1.00	935	110	180	9.00	23	190
2027CPT.03.01.20102	Brunswick	10	SR-1568 / BRIDLE WAY SE	FROM SR 1619 (HAZELS BRANCH RD SE) TO EOM [MP 0.00 - MP 0.30]	6	2	2WU	0.300	20	0.000	0.300	26	133								
TOTAL FOR MAP NO. 10								0.300				26	133								
2027CPT.03.01.20102	Brunswick	11	SR-1507 / BROWN RD SE	FROM NC HWY 906 (MIDWAY RD) TO SR 1508 (ALBRIGHT RD SE) [MP 0.00 - MP 0.82]	6	2	2WU	0.820	20	0.000	0.820	51	135								
TOTAL FOR MAP NO. 11								0.820				51	135								
2027CPT.03.01.20102	Brunswick	12	SR-1538 / RUTLAND RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 0.27]	6	2	2WU	0.270	19	0.000	0.270	13	12								
TOTAL FOR MAP NO. 12								0.270				13	12								
2027CPT.03.01.20102	Brunswick	13	SR-1508 / ALBRIGHT RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 1.19]	6	2	2WU	1.190	20	0.000	1.190	65	8								
TOTAL FOR MAP NO. 13								1.190				65	8								
2027CPT.03.01.20102	Brunswick	14	SR-1113 / GRAND RIVER DR/POINT RD SE	FROM END OF PAVEMENT (POINT RD SE) TO SR 1112 (SUNSET HARBOR RD SE) [MP 0.06 - MP 0.31]	6	2	2WU	0.250	18	0.060	0.310	16	42								
TOTAL FOR MAP NO. 14								0.250				16	42								
2027CPT.03.01.20102	Brunswick	15	SR-1970 / S. BLUEBEARD TRL SW	FROM SR 1139 (SEASHORE RD SW) TO EOM [MP 0.00 - MP 0.11]	6	2	2WU	0.110	18	0.000	0.110	11	53								
TOTAL FOR MAP NO. 15								0.110				11	53								
2027CPT.03.01.20102	Brunswick	16	SR-1208 / SHELL LANDING RD SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.510]	6	2	2WU	0.510	20	0.000	0.510	31	59								
TOTAL FOR MAP NO. 16								0.510				31	59								
2027CPT.03.01.20102	Brunswick	17	SR-1246 / SHADY FOREST DR	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.660]	6	2	2WU	0.660	20	0.000	0.660	41	96								
TOTAL FOR MAP NO. 17								0.660				41	96								
2027CPT.03.01.20102	Brunswick	18	SR-1810 / SHADY FOREST DR SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.280]	6	2	2WU	0.280	20	0.000	0.280	15	10								
TOTAL FOR MAP NO. 18								0.280				15	10								
TOTAL FOR PROJ NO. 2027CPT.03.01.20102								4.390				269	548								
3C.010108	Brunswick	19	SR-1974 / RED SNAPPER ST	FROM SR 1811 (BLUE MARLIN ST SW) TO EOM [MP 0.00 - MP 0.054]	5	2	2WU	0.054	18	0.000	0.054	3				80	10	20	0.80	2	
TOTAL FOR MAP NO. 19								0.054				3				80	10	20	0.80	2	
TOTAL FOR PROJ NO. 3C.010108								0.054				3				80	10	20	0.80	2	
GRAND TOTAL								13.954				1,213	2,879	3	1.00	1,015	120	200	9.80	25	190

REVISIONS

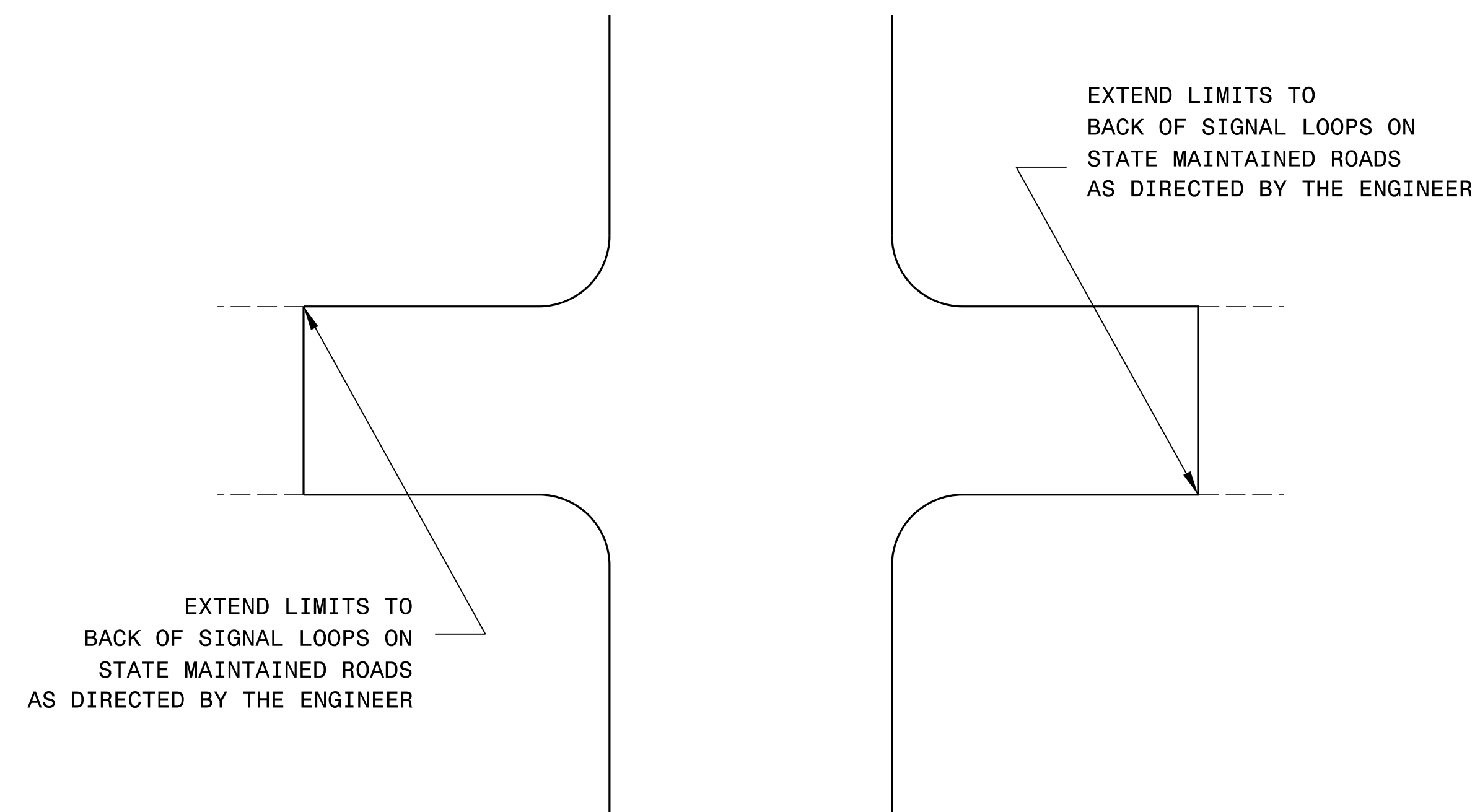
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JTBakernett

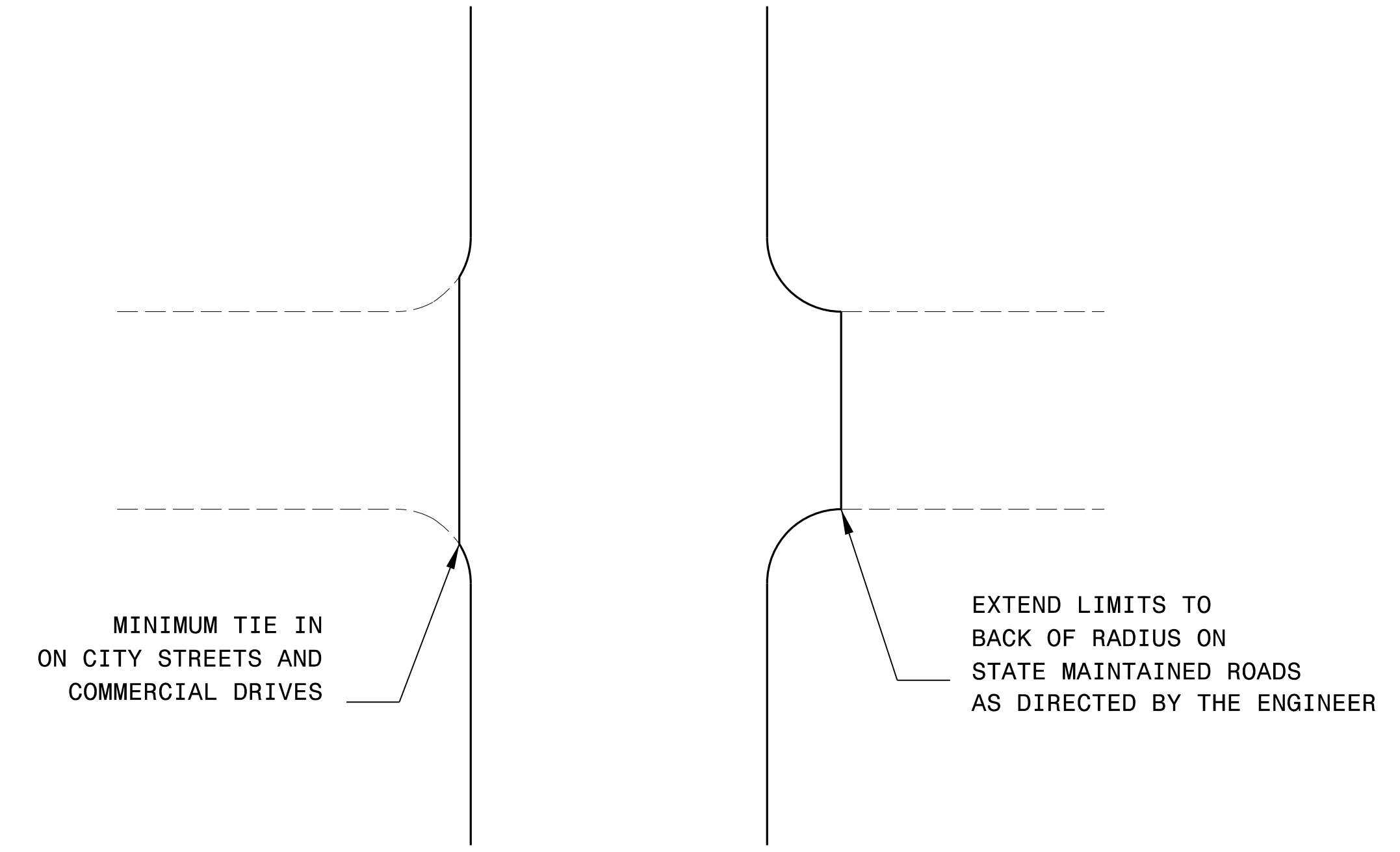
THERMOPLASTIC AND PAINT QUANTITIES

REVISIONS

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4688000000-E		4709000000-E	4725000000-E			4895000000-N	4900000000-N	
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO LT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	THERMO STR ARROW (90 MIL)	GENERIC PVMT MARKING ITEM POLYCARBONATE H-SHAPED MARKERS	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS
												SF	LS	HR	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
2027CPT.03.01.2010I	Brunswick	1	SR-1134 / GRAY BRIDGE RD SW	FROM SR 1132 (SHELL POINT RD SW) TO NC HWY 130 (HOLDEN BEACH RD) [MP 0.00 - MP 2.39]	1,2	2	2WU	2.39	24	0	2.39	272	0.26	40			25,915	17,601	38	6	6	4		167	47
TOTAL FOR MAP NO. 1								2.39				272	0.26	40			25,915	17,601	38	6	6	4		167	47
2027CPT.03.01.2010I	Brunswick	2	SR-1135 / TAR LANDING RD SW	FROM SR 1134 (GRAY BRIDGE RD SW) TO EOM [MP 0.00 - MP 0.92]	1	2	2WU	0.92	24	0	0.92		0.09		9,656	6,280								61	
TOTAL FOR MAP NO. 2								0.92					0.09		9,656	6,280								61	
2027CPT.03.01.2010I	Brunswick	3	SR-1154 / HALE SWAMP RD SW	FROM SR 1163 (OLD GEORGETOWN RD SW) TO NC HWY 179 (BEACH DR SW) [MP 0.08 - MP 1.63]	3,4	2	2WU	1.55	25	0.08	1.63		0.12		32,748	13,206								102	
TOTAL FOR MAP NO. 3								1.55					0.12		32,748	13,206								102	
2027CPT.03.01.2010I	Brunswick	4	SR-1165 / THOMASBORO RD	FROM SR 1164 (CLAIRDAY RD SW) TO NC HWY 179 (BEACH DR) [MP 2.41 - MP 3.53]	3	2	2WU	1.12	22	2.41	3.53		0.08		11,475	11,174			104	2	4		76		
TOTAL FOR MAP NO. 4								1.12					0.08		11,475	11,174			104	2	4		76		
2027CPT.03.01.2010I	Brunswick	5	SR-1357 / SMITH AVE	FROM STEWART LN (NS) TO US HWY 17 BYPASS [MP 0.36 - MP 0.92]	3	2	2WU	0.56	24	0.36	0.92	70	0.05		5,752	4,859							35		
TOTAL FOR MAP NO. 5								0.56				70	0.05		5,752	4,859							35		
2027CPT.03.01.2010I	Brunswick	6	SR-1357 / N. MULBERRY RD NW	FROM SR 1357 (EXPRESS DR NW) TO EOM [MP 1.00 - MP 2.23]	3	2	2WU	1.23	20	1	2.23		0.07		12,984	10,522								80	
TOTAL FOR MAP NO. 6								1.23					0.07		12,984	10,522								80	
2027CPT.03.01.2010I	Brunswick	7	SR-1362 / BAILEY ST	FROM SR 1357 (SMITH AVE) TO EOM [MP 0.00 - MP 0.31]	1	2	2WU	0.31	25	0	0.31		0.03		3,018	3,084								19	
TOTAL FOR MAP NO. 7								0.31					0.03		3,018	3,084								19	
2027CPT.03.01.2010I	Brunswick	8	SR-1309 / HORSESHOE RD NW	FROM SR 1300 (ASH-LITTLE RIVER RD NW) TO NC HWY 904 (PIREWAY RD NW) [MP 0.00 - MP 0.92]	3	2	2WU	0.92	19	0	0.92		0.05		9,508	5,440								59	
TOTAL FOR MAP NO. 8								0.92					0.05		9,508	5,440								59	
2027CPT.03.01.2010I	Brunswick	9	SR-1329 / BABSON RD NW	FROM SR 1330 (WACCAMAW SCHOOL RD NW) TO SR 1328 (SIMMONS RD NW) [MP 0.00 - MP 0.51]	3	2	2WU	0.51	21	0	0.51		0.03		5,258	1,814								33	
TOTAL FOR MAP NO. 9								0.51					0.03		5,258	1,814								33	
TOTAL FOR PROJ NO. 2027CPT.03.01.2010I								9.51				342	0.78	40	90,399	56,379	25,915	17,601	142	8	10	4.000	111	521	47
																146,778	43,516		22					568	
2027CPT.03.01.20102	Brunswick	10	SR-1568 / BRIDLE WAY SE	FROM SR 1619 (HAZELS BRANCH RD SE) TO EOM [MP 0.00 - MP 0.30]	6	2	2WU	0.3	20	0	0.3		0.02												
TOTAL FOR MAP NO. 10								0.3					0.02												
2027CPT.03.01.20102	Brunswick	11	SR-1507 / BROWN RD SE	FROM NC HWY 906 (MIDWAY RD) TO SR 1508 (ALBRIGHT RD SE) [MP 0.00 - MP 0.82]	6	2	2WU	0.82	20	0	0.82		0.04		8,548	6,223								53	
TOTAL FOR MAP NO. 11								0.82					0.04		8,548	6,223								53	
2027CPT.03.01.20102	Brunswick	12	SR-1538 / RUTLAND RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 0.27]	6	2	2WU	0.27	19	0	0.27		0.01												
TOTAL FOR MAP NO. 12								0.27					0.01												
2027CPT.03.01.20102	Brunswick	13	SR-1508 / ALBRIGHT RD SE	FROM NC HWY 906 (MIDWAY RD) TO EOM [MP 0.00 - MP 1.19]	6	2	2WU	1.19	20	0	1.19		0.05		12,388	11,222								78	
TOTAL FOR MAP NO. 13								1.19					0.05		12,388	11,222								78	
2027CPT.03.01.20102	Brunswick	14	SR-1113 / GRAND RIVER DR/POINT RD SE	FROM END OF PAVEMENT (POINT RD SE) TO SR 1112 (SUNSET HARBOR RD SE) [MP 0.06 - MP 0.31]	6	2	2WU	0.25	18	0.06	0.31		0.01		3,028	3,028								19	
TOTAL FOR MAP NO. 14								0.25					0.01		3,028	3,028								19	
2027CPT.03.01.20102	Brunswick	15	SR-1970 / S. BLUEBEARD TRL SW	FROM SR 1139 (SEASHORE RD SW) TO EOM [MP 0.00 - MP 0.11]	6	2	2WU	0.11	18	0	0.11		0.01												
TOTAL FOR MAP NO. 15								0.11					0.01												
2027CPT.03.01.20102	Brunswick	16	SR-1208 / SHELL LANDING RD SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.510]	6	2	2WU	0.51	20	0	0.51		0.03												
TOTAL FOR MAP NO. 16								0.51					0.03												
2027CPT.03.01.20102	Brunswick	17	SR-1246 / SHADY FOREST DR	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.660]	6	2	2WU	0.66	20	0	0.66		0.03												
TOTAL FOR MAP NO. 17								0.66					0.03												
2027CPT.03.01.20102	Brunswick	18	SR-1810 / SHADY FOREST DR SW	FROM NC HWY 179 (BEACH DR) TO EOM [MP 0.00 - MP 0.280]	6	2	2WU	0.28	20	0	0.28		0.01												
TOTAL FOR MAP NO. 18								0.28					0.01												
TOTAL FOR PROJ NO. 2027CPT.03.01.20102								4.39					0.22		23,964	20,473								150	
																44,437								150	
3C.010108	Brunswick	19	SR-1974 / RED SNAPPER ST	FROM SR 1811 (BLUE MARLIN ST SW) TO EOM [MP 0.00 - MP 0.054]	5	2	2WU	0.054	18	0	0.054		0.00												
TOTAL FOR MAP NO. 19								0.054					0.002												
TOTAL FOR PROJ NO. 3C.010108								0.054					0.002												
GRAND TOTAL								13.954				342	1.000	40	114,363	76,852	25,915	17,601	142	8	10	4.000	111	671	47
																191,215	43,516		22					718	



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

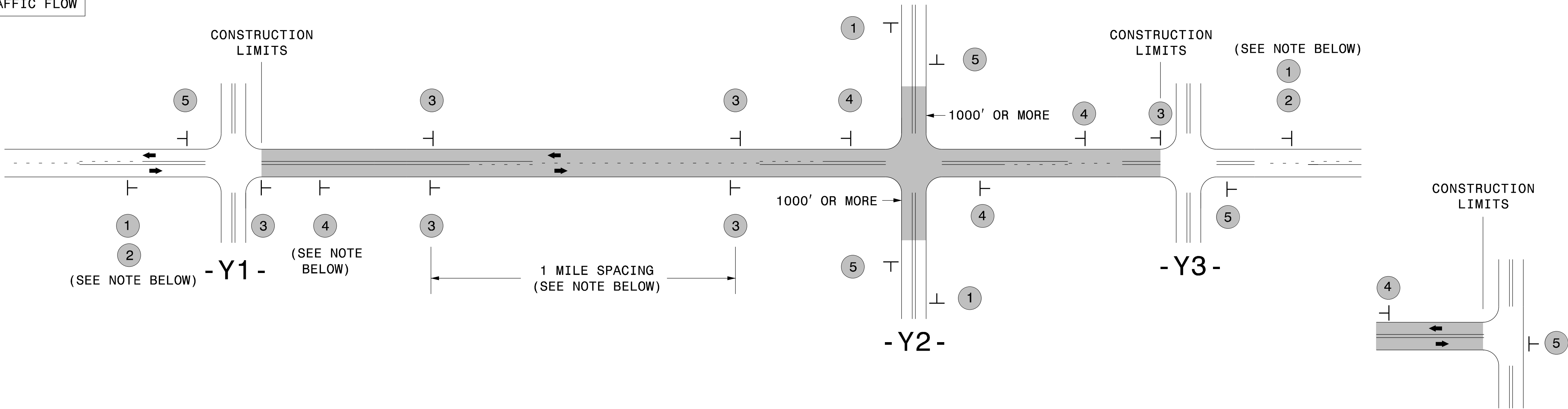
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SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



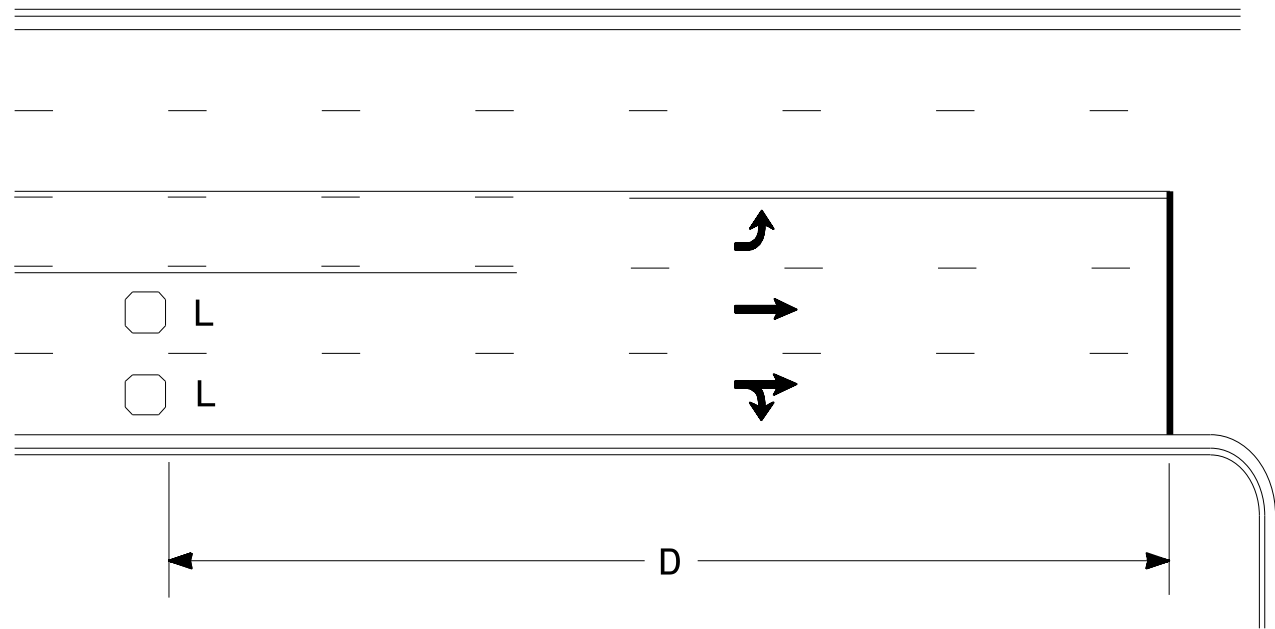
TEE INTERSECTION

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. ROAD WORK AHEAD W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. WORK ZONE TRAFFIC CONTROL STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING
	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.	

High Speed Detection
(≥35 mph)

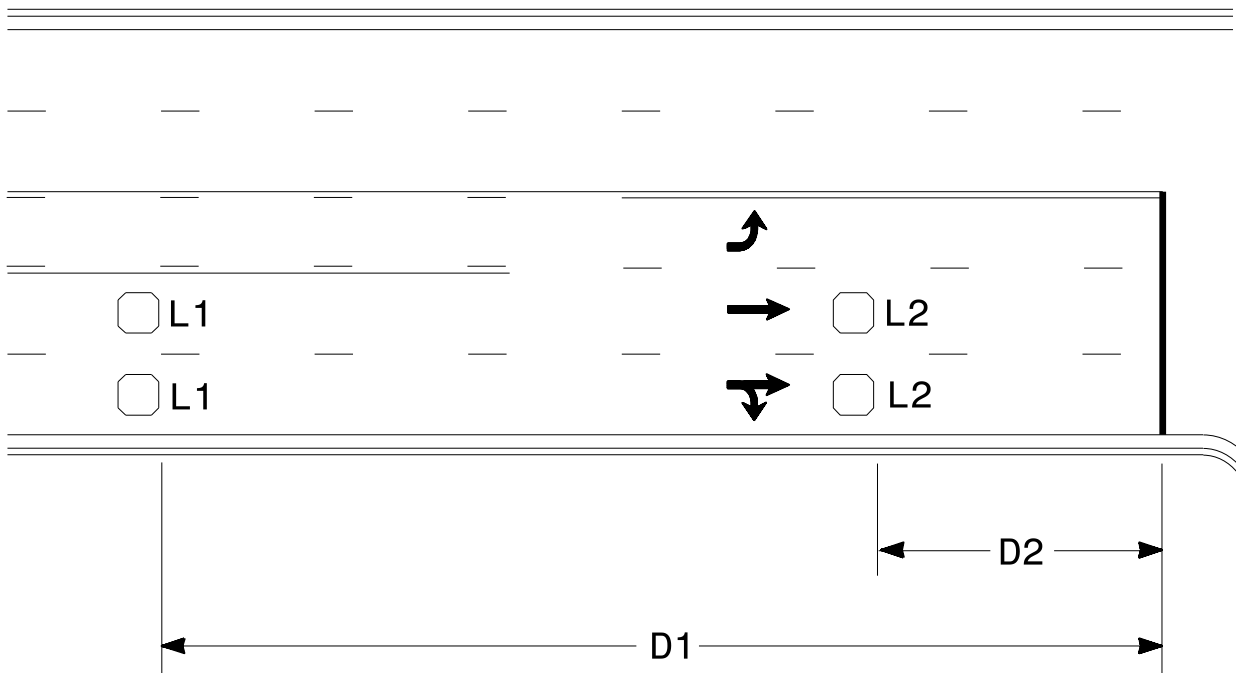


Speed Limit mph	D ft
35	200
40	250
45	300
50	355
55	420
60	475
65	550

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR



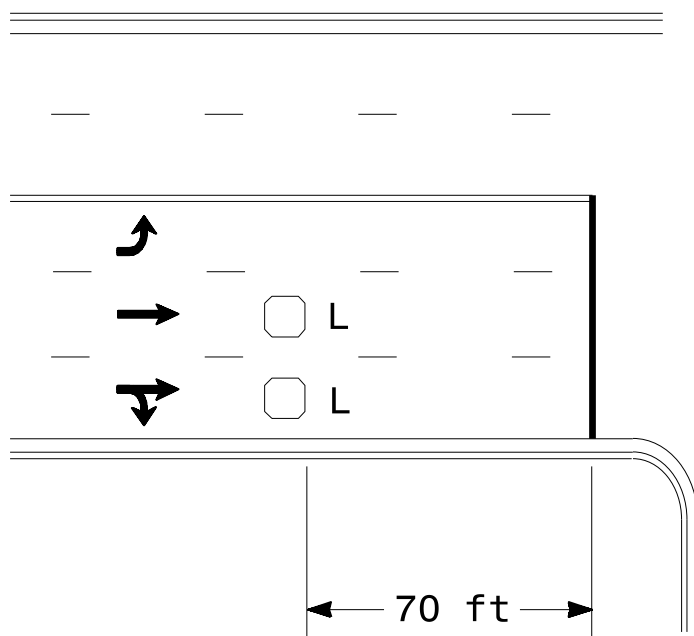
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110
60	475	120
65	550	130

L1 = 6ft X 6ft
Wired in series

L2 = 6ft X 6ft
Wired in series

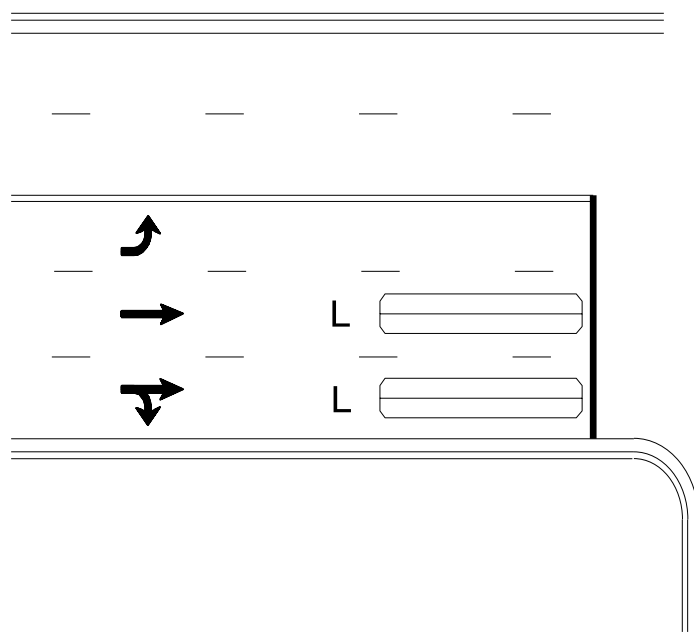
"Stretch" Operation

Low Speed Detection
(≤35 mph)



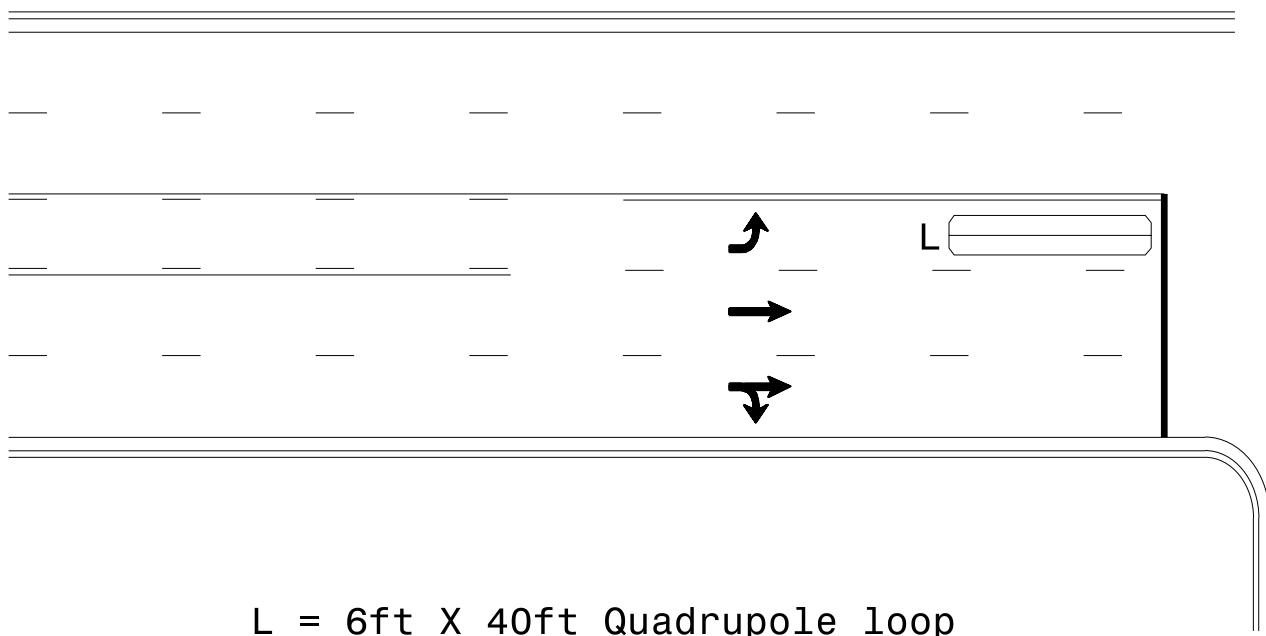
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

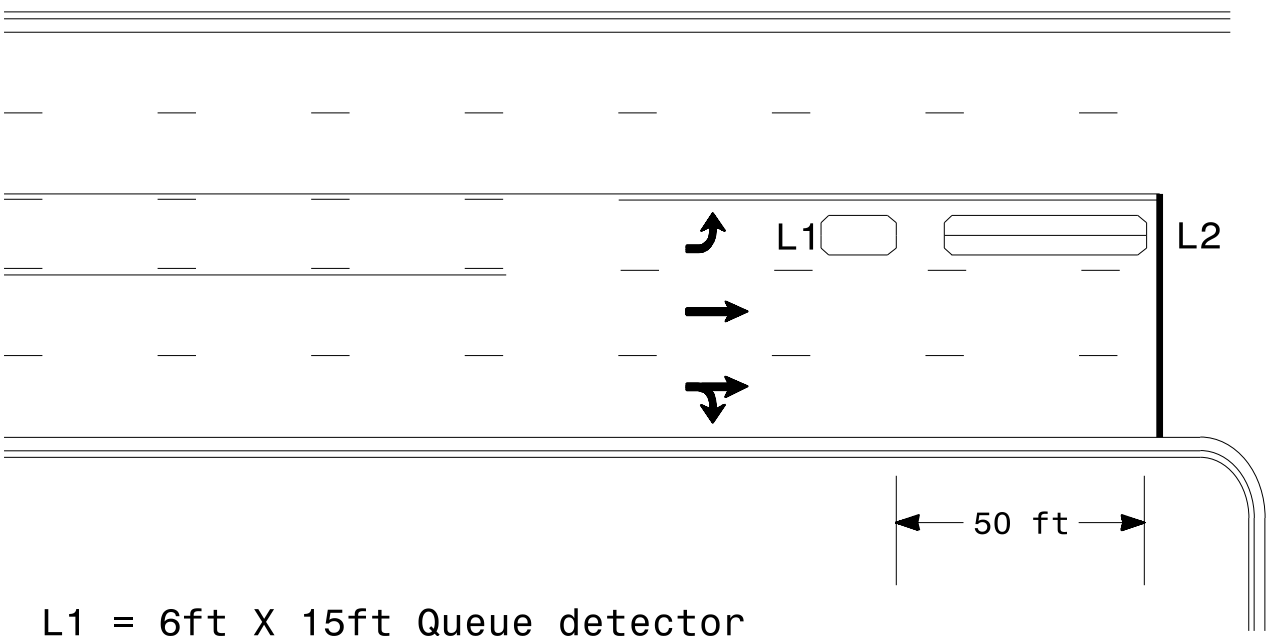
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

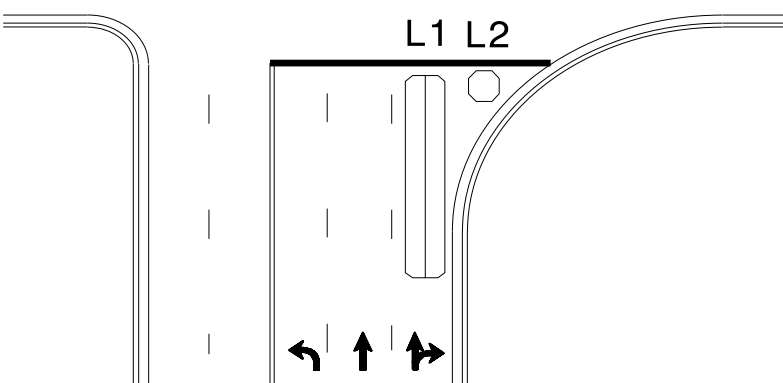
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

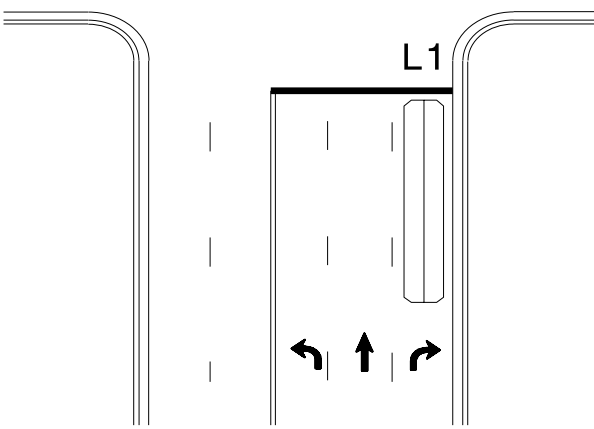
Queue Loop Detection

Right Turn Lane Detection

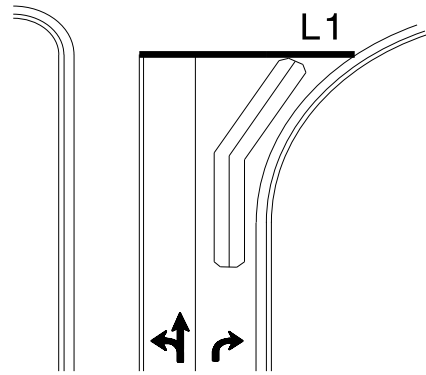


Shared Lane/
Wide Radius Turn

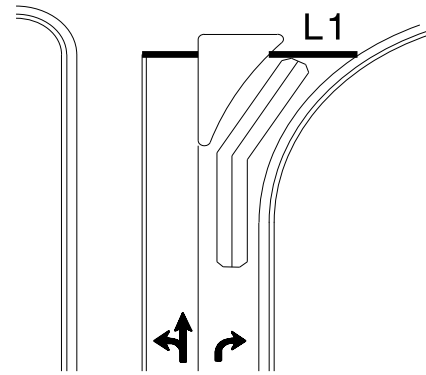
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

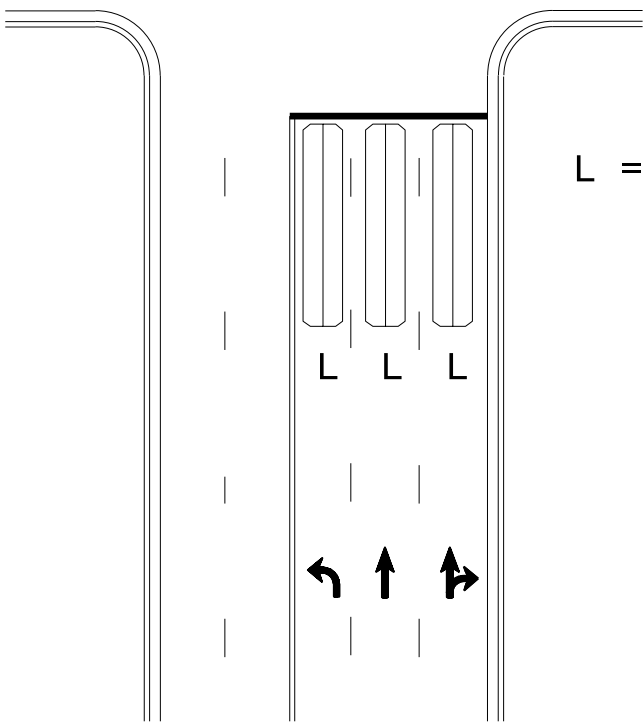


Wide Radius Turn



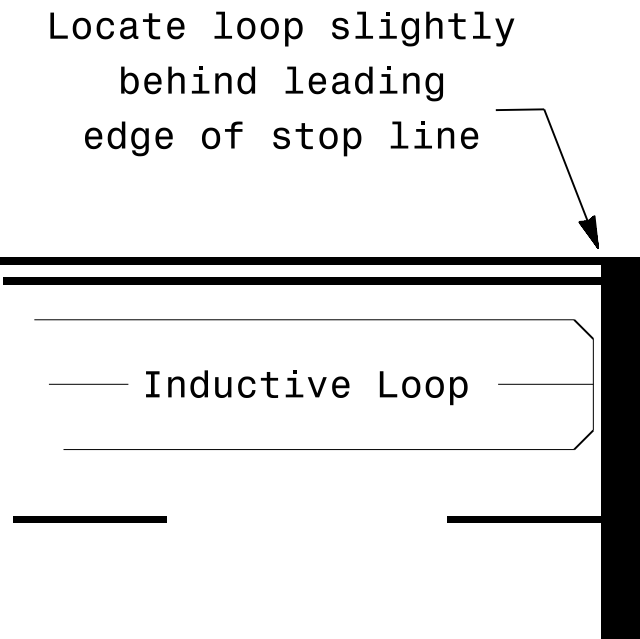
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



Locate loop slightly
behind leading
edge of stop line

Inductive Loop

- Note:
Loop may be located in advance
of stop line under any of the
following conditions:
- 1) stop line is greater than 15'
from edge of intersecting
roadway
 - 2) loop detects a permissive or
protected/permissive left turn
 - 3) for an exclusive right turn
lane

Recommended Number of Turns

Single 6' X 6' loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops:
Lead-in < 150', use 2 turns
Lead-in > 150', use 3 turns

	Typical Signal Loop Locations		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. ZIEMBA 026486	
	PLAN DATE: September 2025	REVIEWED BY:	INIT.	DATE
	PREPARED BY: J.A. Lohr	REVIEWED BY:		
	SCALE N/A	REVISIONS		

SIG. INVENTORY NO.