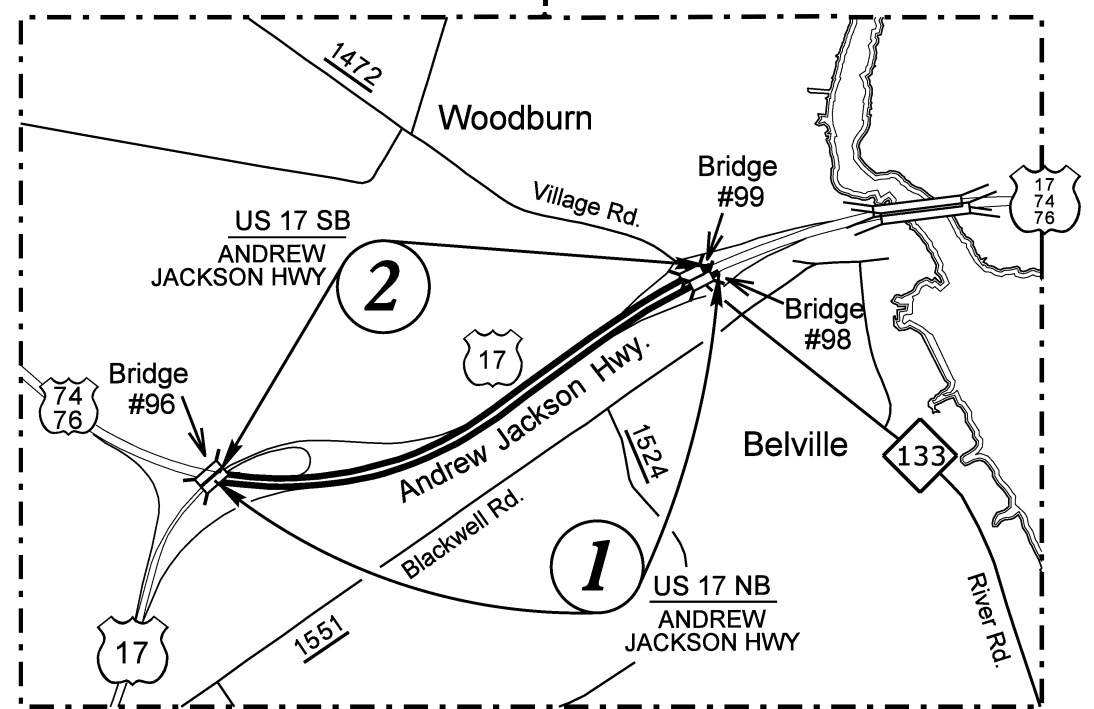
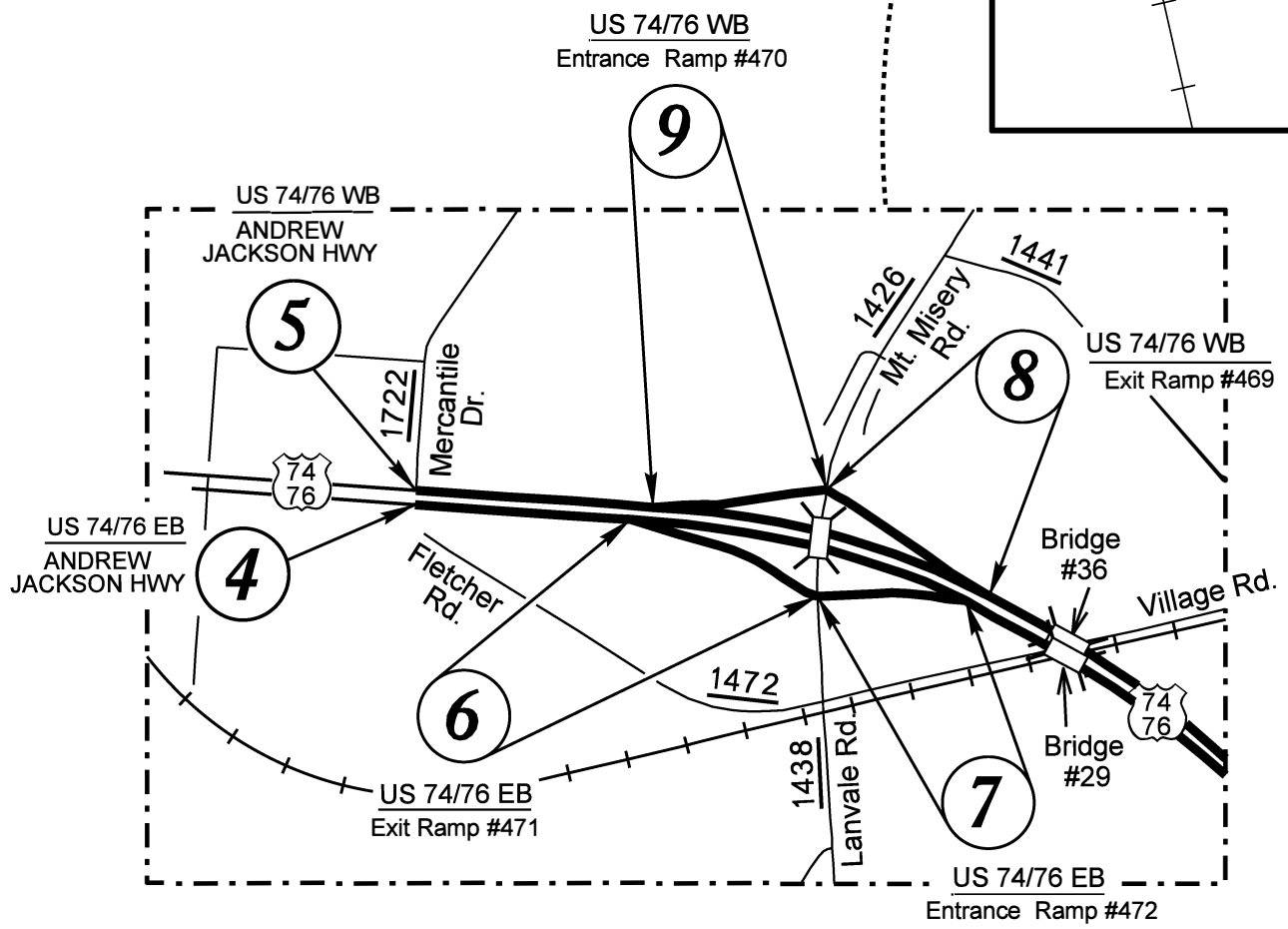
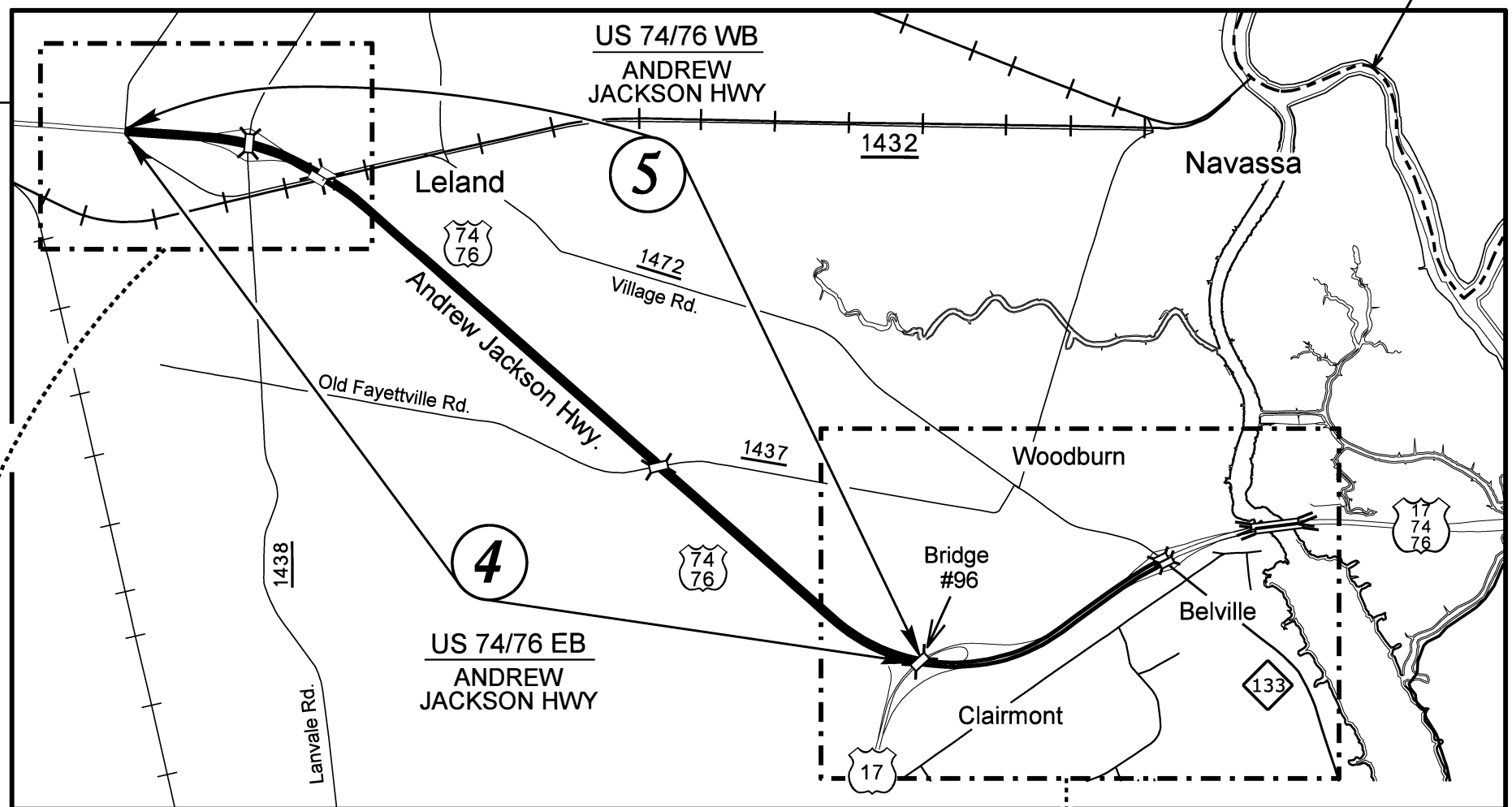
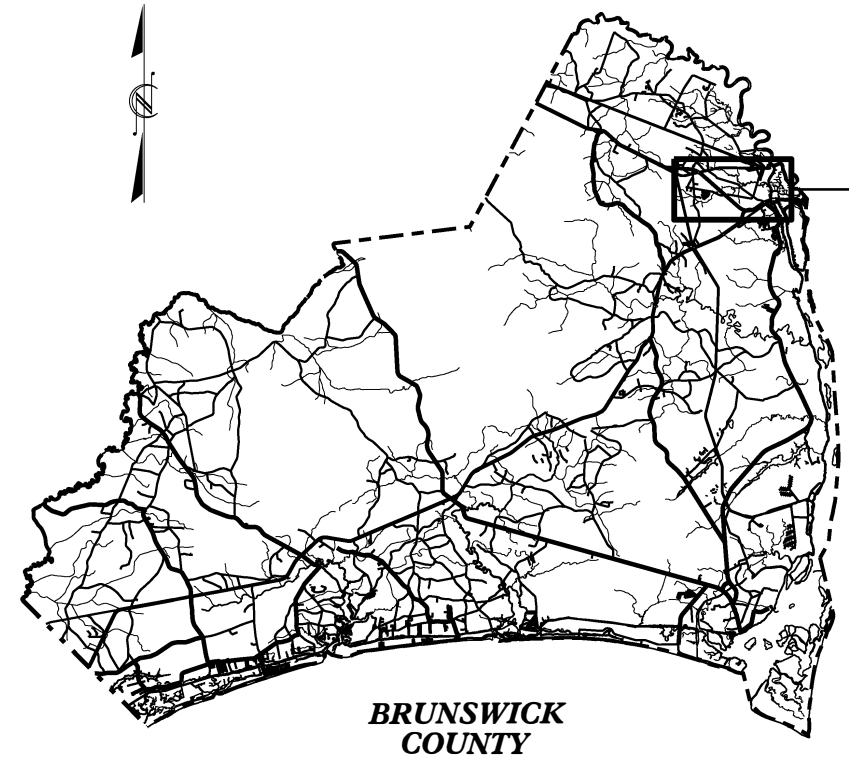


BRUNSWICK COUNTY

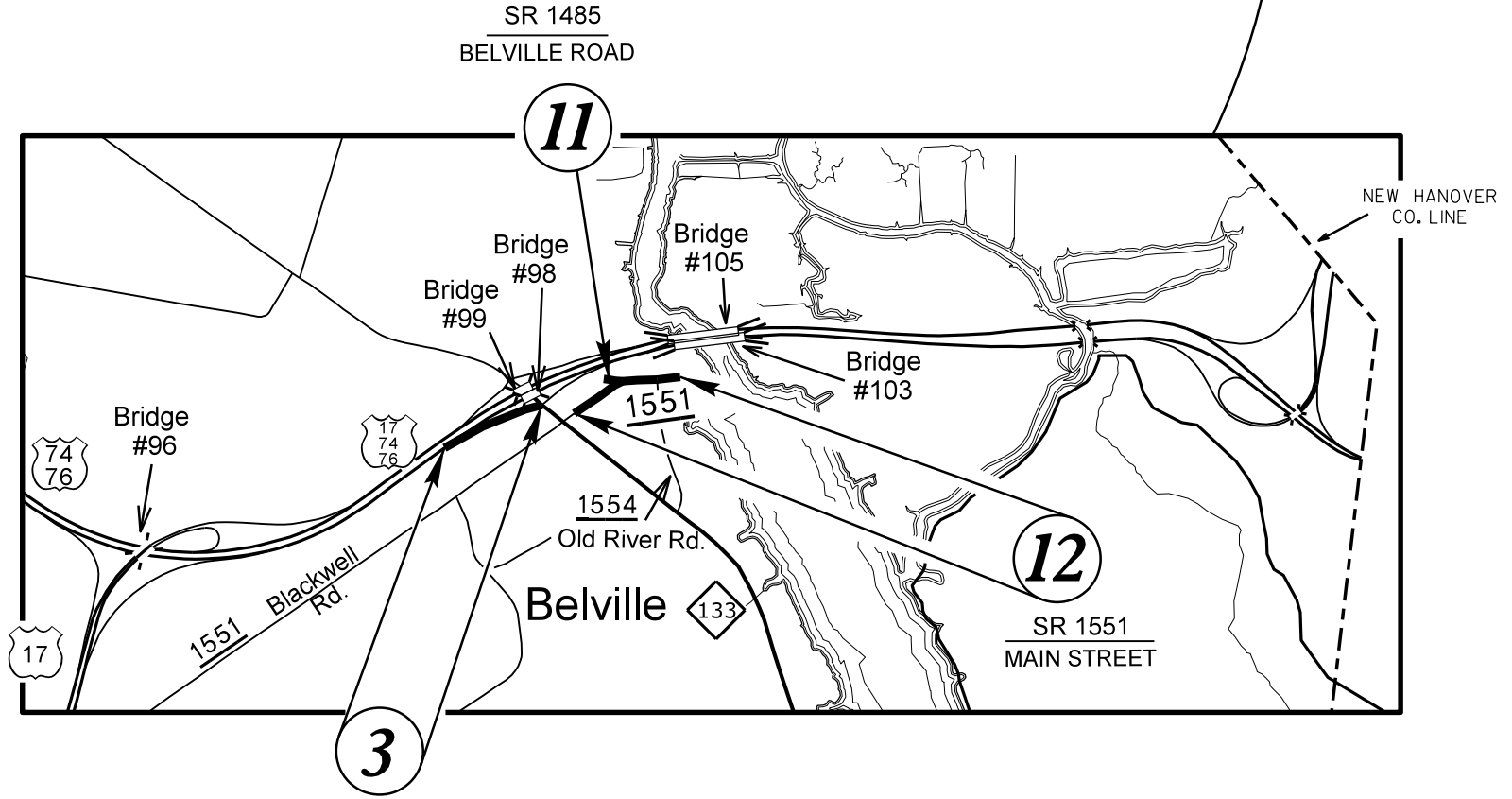
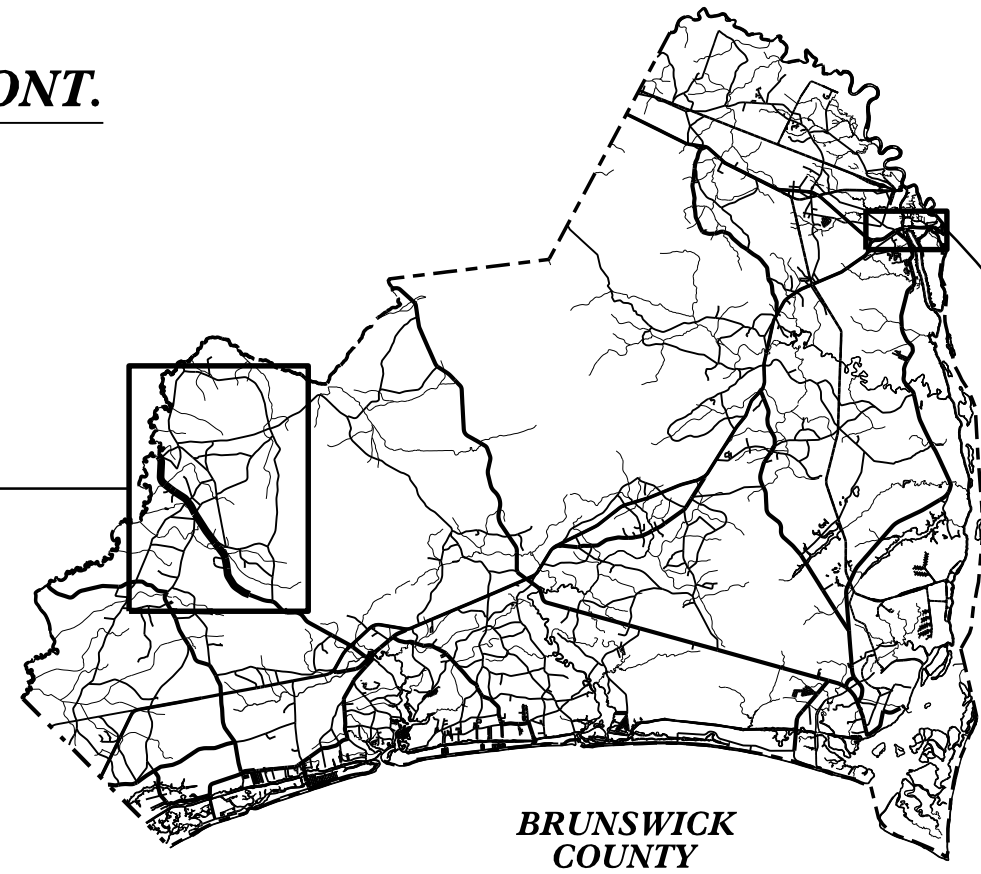
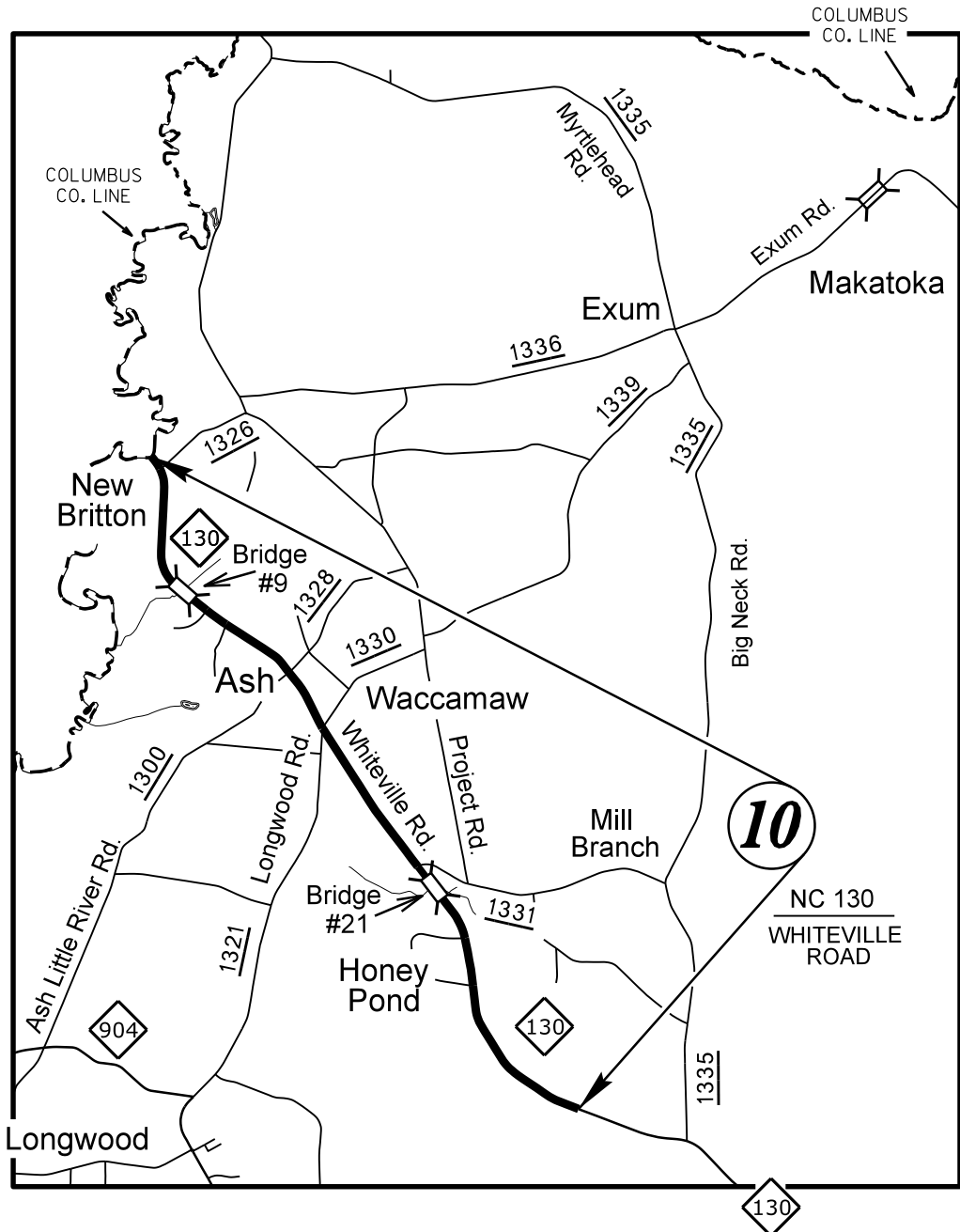


MAPS N.T.S.

REVISIONS

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BRUNSWICK COUNTY CONT.



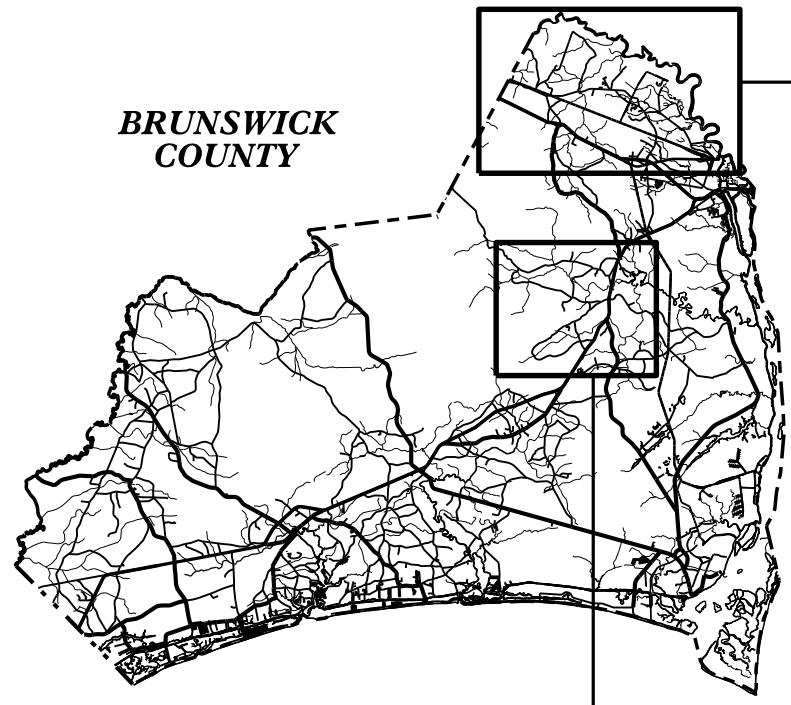
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MAPS N.T.S.

**US 17/74/76 NB
Exit Ramp #463**

BRUNSWICK COUNTY CONT.

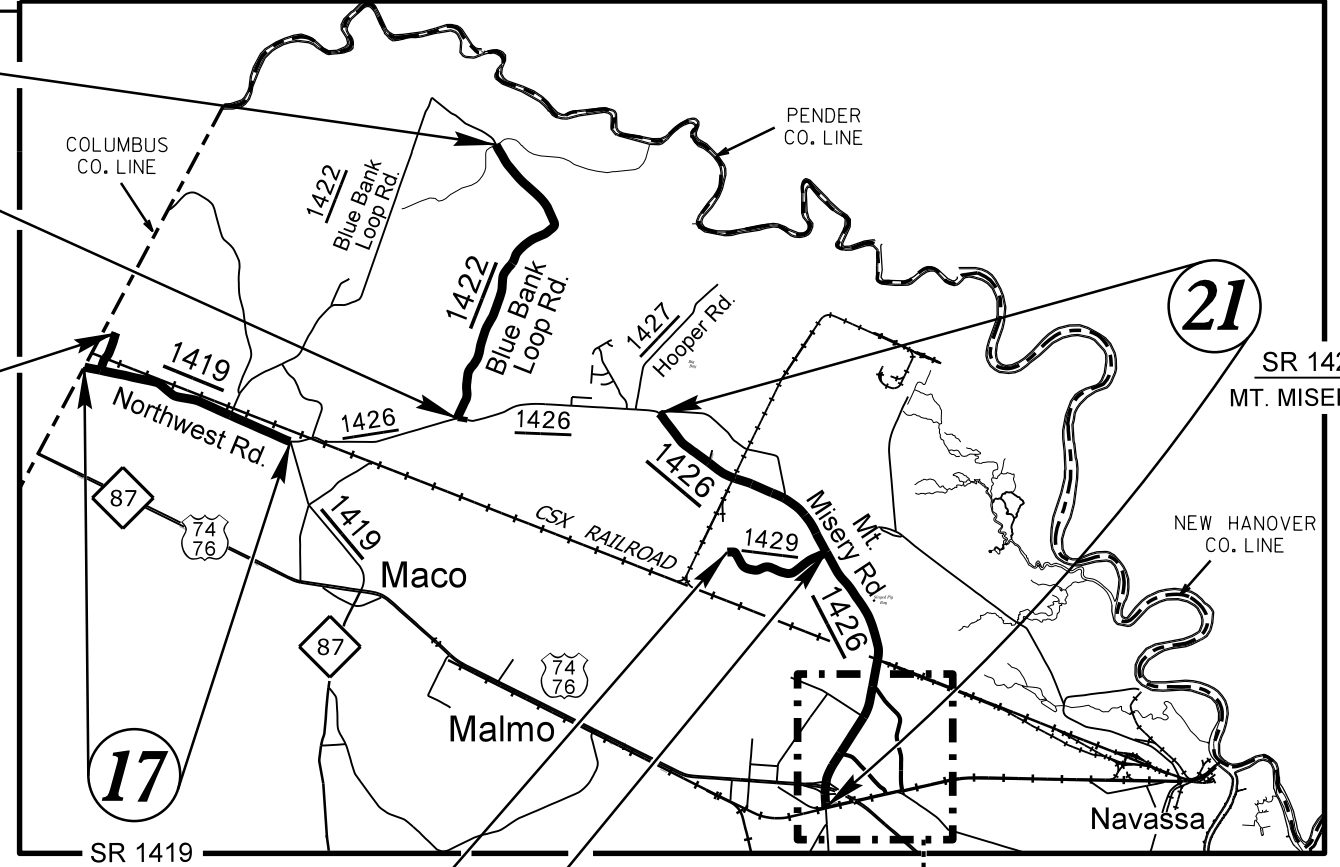


18

SR 1422
BLUE BANKS
LOOP RD.

20

SR 1420
PORT ROYAL RD.

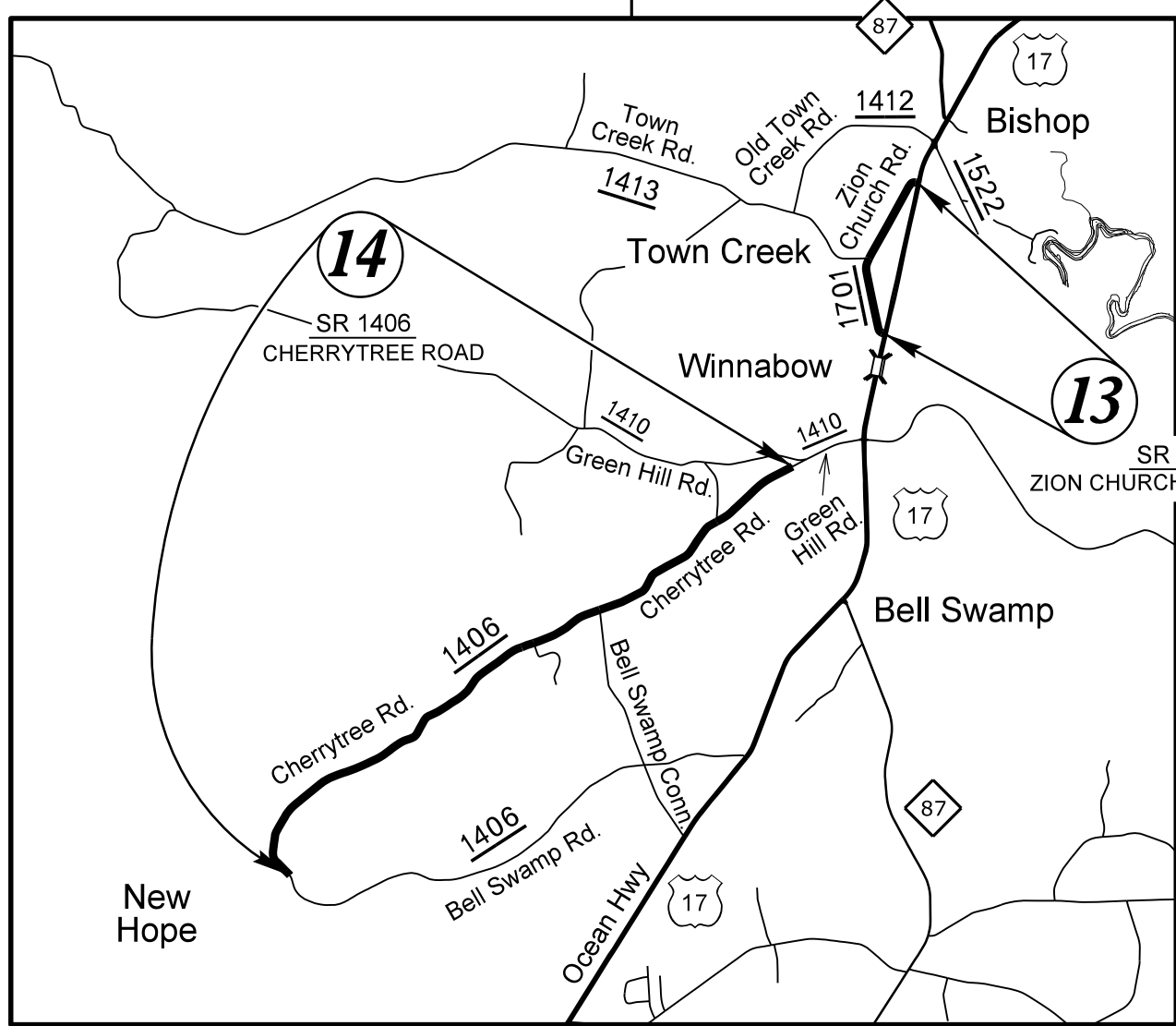


17

SR 1419
NORTHWEST RD.

21

SR 1426
MT. MISERY RD.



14

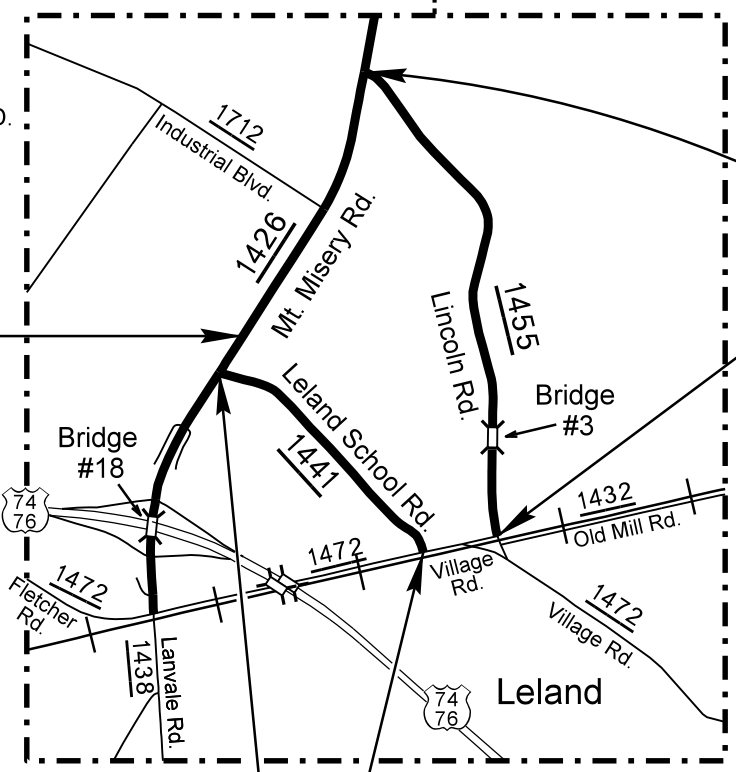
SR 1406
CHERRYTREE ROAD

13

SR 1701
ZION CHURCH ROAD

19

SR 1429
GREEN LOOP RD.



21
SECTION OF MAP 21
SR 1426
(MT. MISERY RD.)

15

SR 1455
LINCOLN RD.

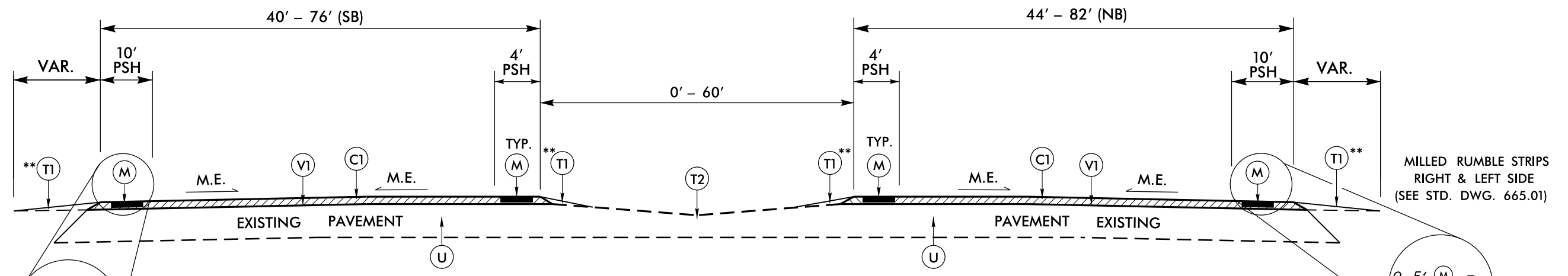
16

SR 1441
LELAND
SCHOOL RD.

MAPS N.T.S.

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 REVISIONS
 8/17/99



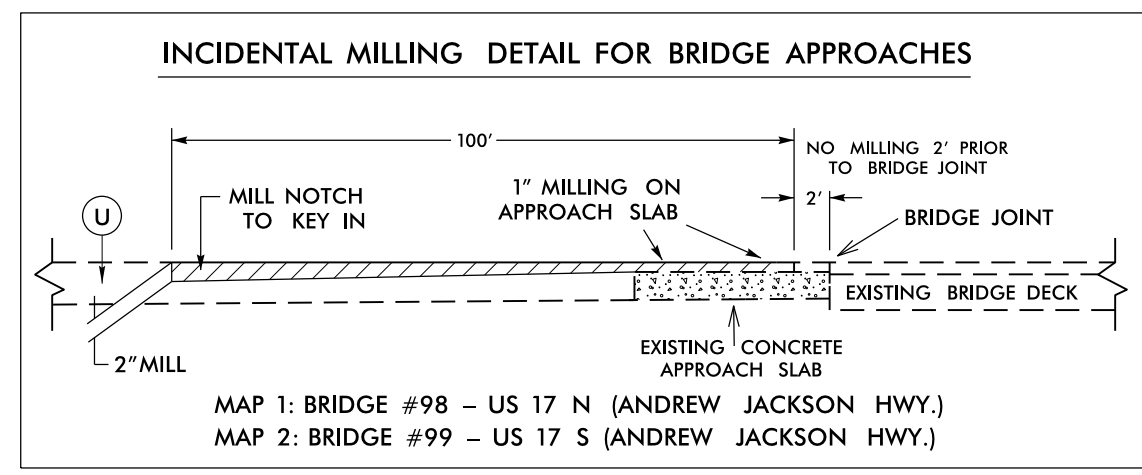
MILLED RUMBLE STRIPS RIGHT & LEFT SIDE (SEE STD. DWG. 665.01)

MAP NO. 2
 US 17 S (ANDREW JACKSON HWY.)
 MP 2.14 - MP 3.23
 NO PAVING BRIDGE #99

TYPICAL SECTION NO. 1

MAP NO. 1
 US 17 N (ANDREW JACKSON HWY.)
 MP 44.00 - MP 45.12
 NO PAVING BRIDGE #98

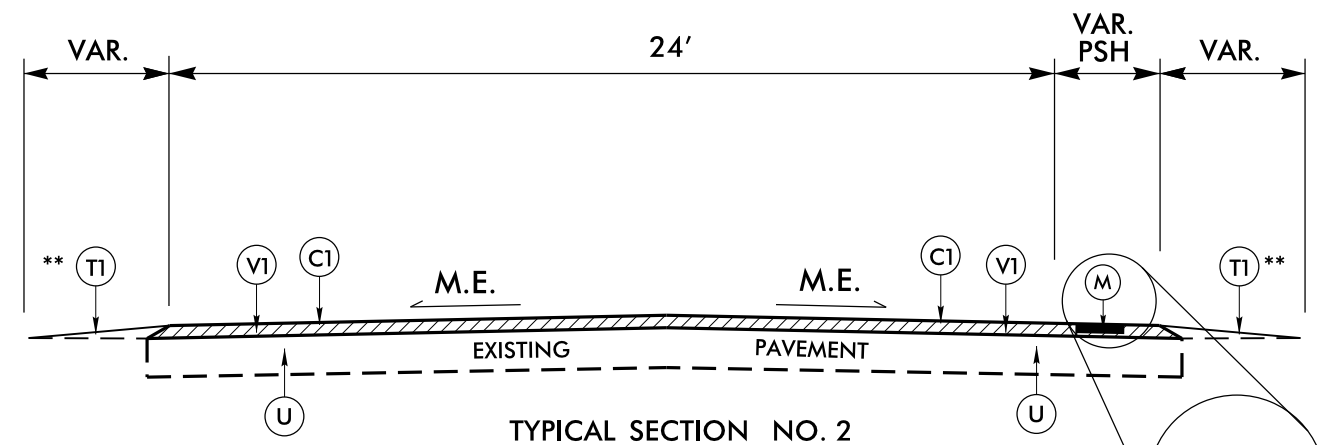
MILLED RUMBLE STRIPS RIGHT & LEFT SIDE (SEE STD. DWG. 665.01)



MAP 1: BRIDGE #98 - US 17 N (ANDREW JACKSON HWY.)
 MAP 2: BRIDGE #99 - US 17 S (ANDREW JACKSON HWY.)

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

** SHOULDER WORK ON MAP NO. 1 & 2 AS NEEDED, TO BE DETERMINED BY ENGINEER.



TYPICAL SECTION NO. 2

MAP NO. 3
 US 17 N EXIT RAMP #463
 MP 0.11 - MP 0.20

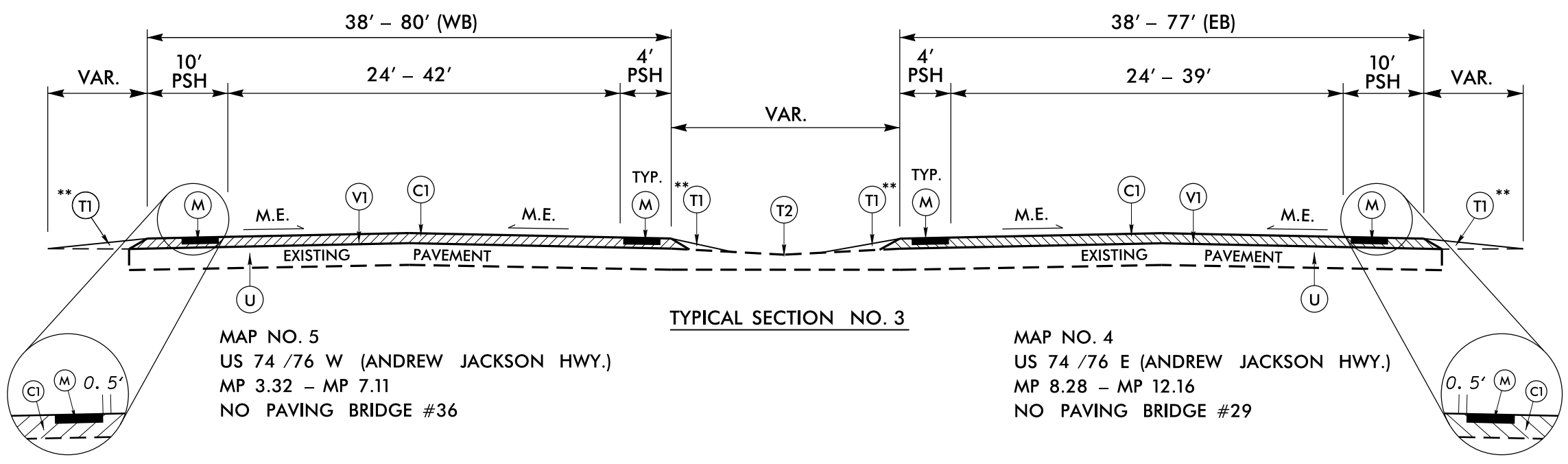
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY

** SHOULDER WORK ON MAP NO. 3 AS NEEDED, TO BE DETERMINED BY ENGINEER.

MILLED RUMBLE STRIPS RIGHT SIDE ONLY - LENGTH 50 FT. (SEE STD. DWG. 665.01)

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

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
C4	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
E1	PROP. APPROX. 5½" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ.YD.
E2	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
F1	ASPHALT SERVICE TREATMENT - MAT COAT #67 GRANITE
M	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
R1	EXISTING CONCRETE MONOLITHIC ISLAND
R2	EXISTING CONCRETE BRIDGE RAIL
R3	EXISTING CONCRETE 2'-6" CURB & GUTTER
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1½" DEPTH
V3	MILLING ASPHALT PAVEMENT, 1" DEPTH

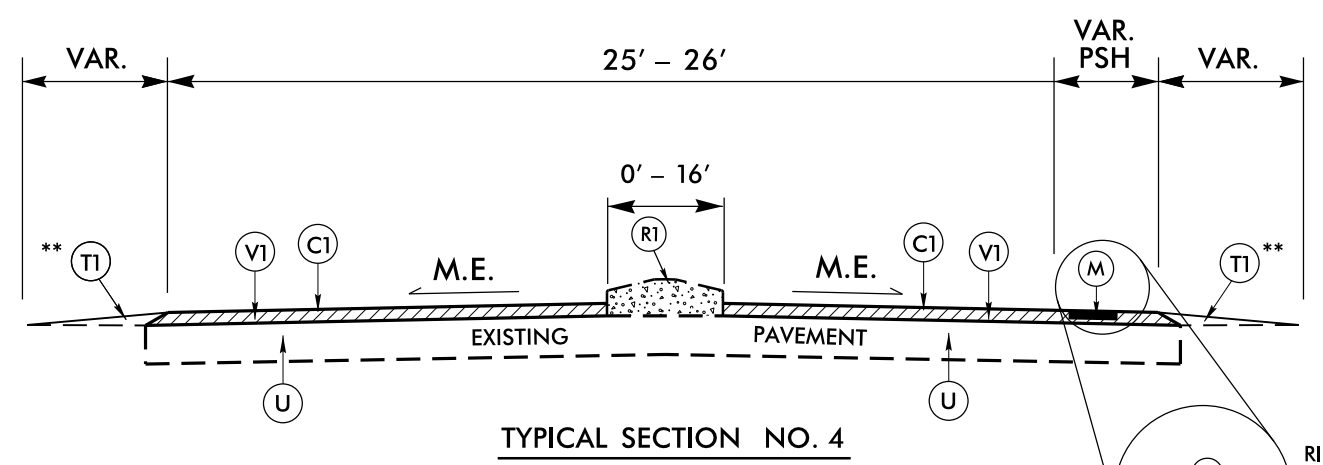


MAP NO. 3
US 74 /76 W (ANDREW JACKSON HWY.)
MP 3.32 - MP 7.11
NO PAVING BRIDGE #36

MAP NO. 4
US 74 /76 E (ANDREW JACKSON HWY.)
MP 8.28 - MP 12.16
NO PAVING BRIDGE #29

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

** SHOULDER WORK ON MAP NO. 4 & 5 AS NEEDED,
TO BE DETERMINED BY ENGINEER.



MAP NO. 6
US 74 /76 E EXIT RAMP #471
MP 0.11 - MP 0.30

MAP NO. 8
US 74 /76 W EXIT RAMP #469
MP 0.01 - MP 0.34

MAP NO. 7
US 74 /76 E ENTRANCE RAMP #472
MP 0.01 - MP 0.17

MAP NO. 9
US 74 /76 W ENTRANCE RAMP #470
MP 0.01 - MP 0.15

MAP 6 & MAP 8
MILLED RUMBLE STRIPS
RIGHT SIDE ONLY - LENGTH 50 FT.
(SEE STD. DWG. 665.01)

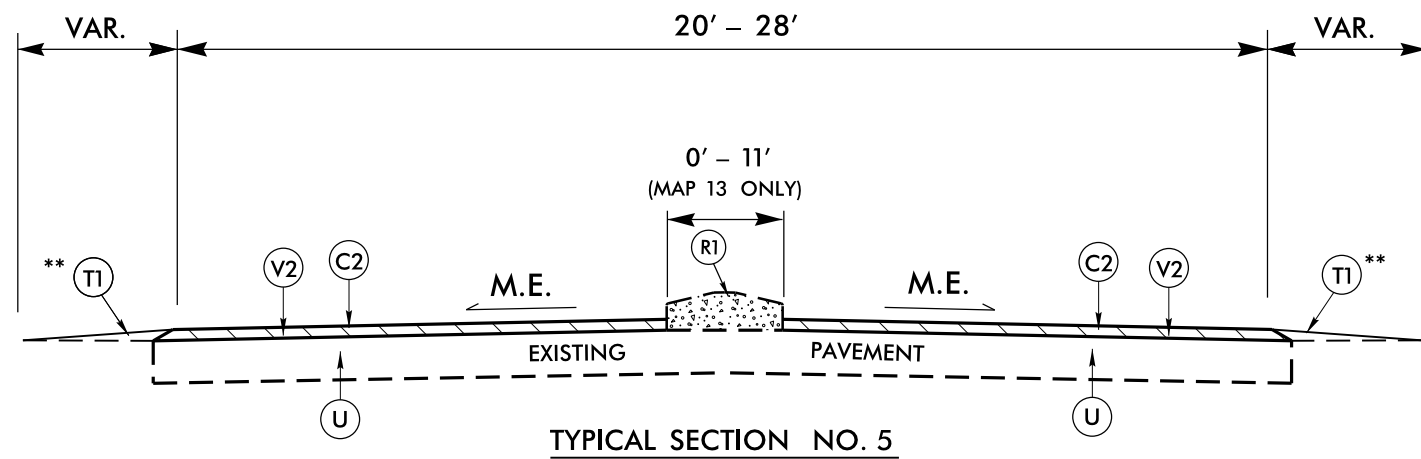
NOTES: MILL A SINGLE LANE AND PAVE BACK
BY THE END OF EACH WORK DAY

** SHOULDER WORK ON MAP NO. 7-9 AS NEEDED,
TO BE DETERMINED BY ENGINEER.

PAVEMENT SCHEDULE	
C1	2" S9.5C
M	MILLED RUMBLE STRIPS
R1	EXISTING CONCRETE MONOLITHIC ISLAND
T1	EARTH MATERIAL SHOULDER RECONST.
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	MILLING 2" DEPTH

REVISIONS

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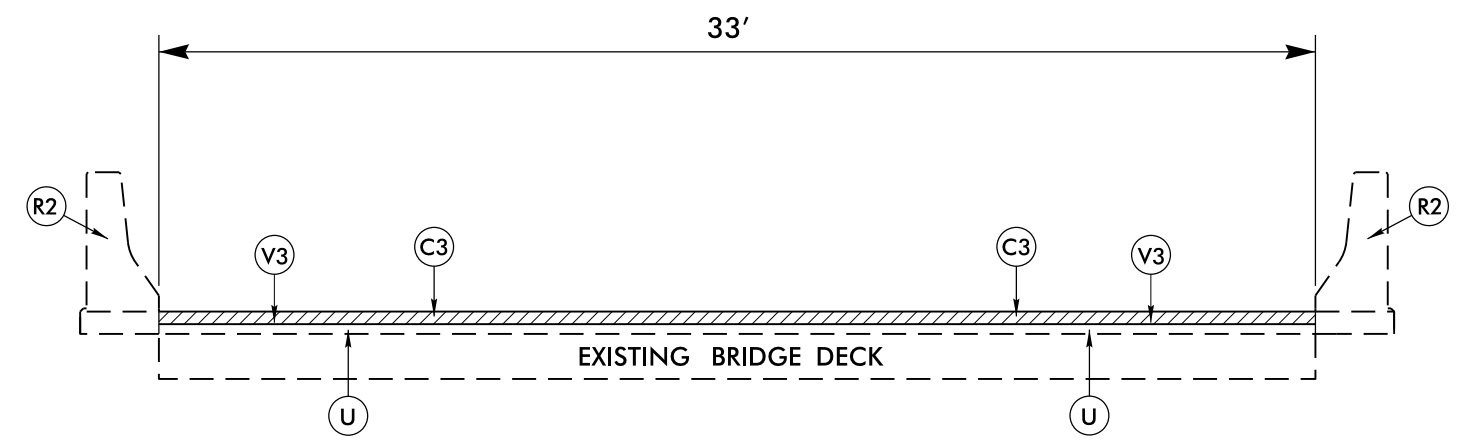
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY (AND RELEVANT -Y- LINE TIE-INS)

** SHOULDER WORK ON MAP NO.10,13 & 14 AS NEEDED, TO BE DETERMINED BY ENGINEER.

MAP NO. 10
NC 130 (WHITEVILLE RD.)
MP 16.33 – MP 18.75
MP 18.77 – MP 20.35
MP 20.55 – MP 23.68
(NO WORK MP 20.35 – MP 20.55)
(NO PAVING BRIDGE #9)
SEE ALSO TYPICAL NO. 6

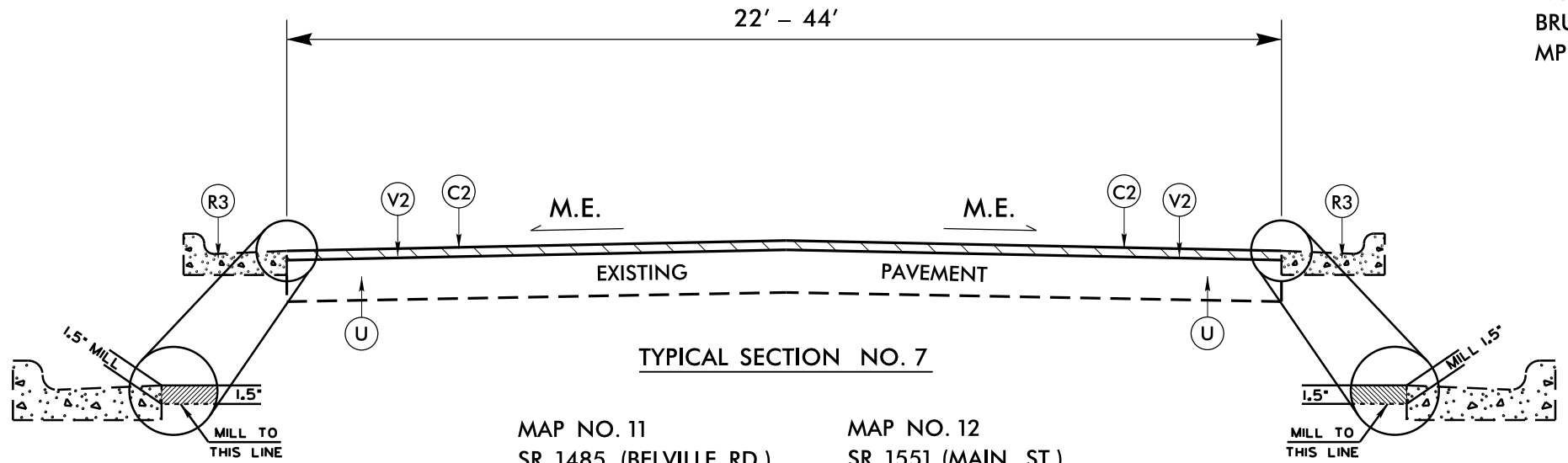
MAP NO. 13
SR 1701 (ZION CHURCH RD.)
MP 0.01 – MP 1.19

MAP NO. 14
SR 1406 (CHERRY TREE RD.)
MP 5.59 – MP 5.86
SEE ALSO TYPICAL NO. 8



TYPICAL SECTION NO. 6

MAP NO. 10
NC 130 (WHITEVILLE RD.)
BRUNSWICK BRIDGE #21
MP 18.75 – MP 18.77



MAP NO. 11
SR 1485 (BELVILLE RD.)
MP 0.00 – MP 0.07

MAP NO. 12
SR 1551 (MAIN ST.)
MP 1.70 – MP 2.00

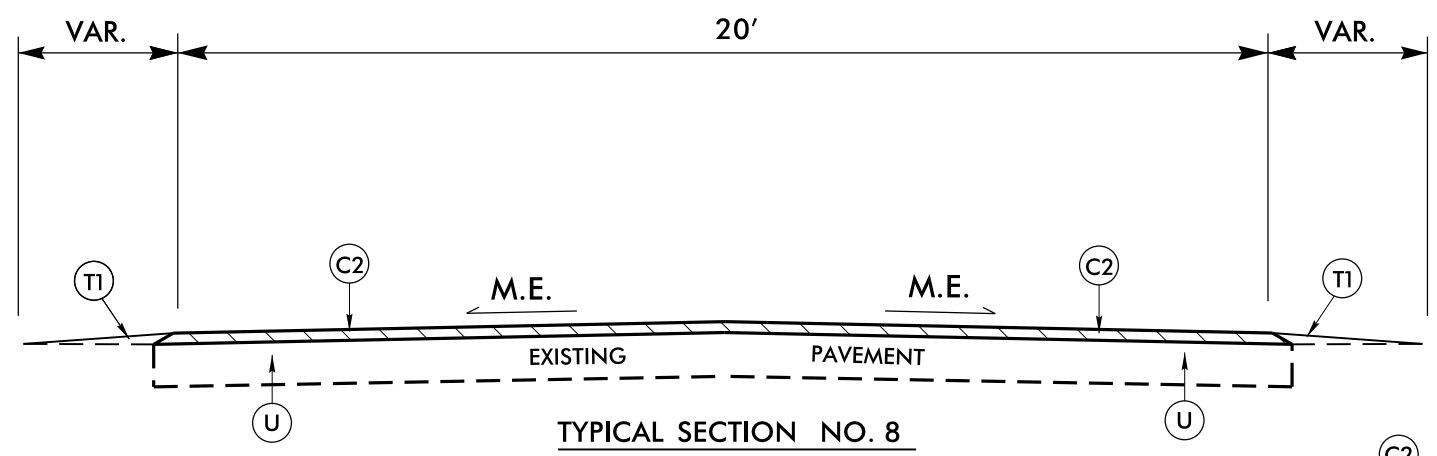
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY (AND SECONDARY ROUTE -Y- LINE TIE-INS)

PAVEMENT SCHEDULE	
C2	1½" S9.5B
C3	1" S9.5B
R1	EXISTING CONCRETE MONOLITHIC ISLAND
R2	EXISTING CONCRETE BRIDGE RAIL
R3	EXISTING 2'-6" CONCRETE C & G
T1	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V2	MILLING 1½" DEPTH
V3	MILLING 1" DEPTH

REVISIONS

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**MAP 14 - SR 1406 (CHERRY TREE RD.)
SPIRAL WIDENING LOCATIONS**

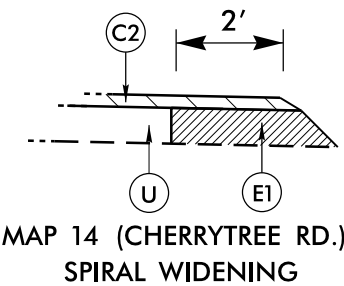


TYPICAL SECTION NO. 8

NOTE: STATE FORCES WILL MARK SPIRAL WIDENING LOCATIONS

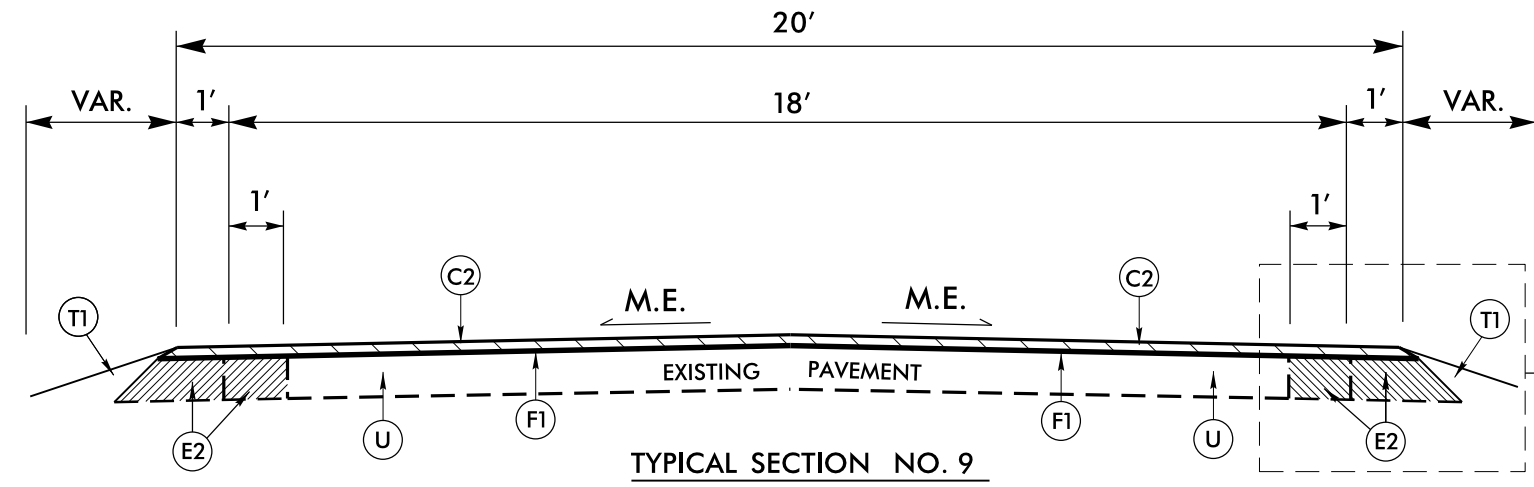
MAP NO. 14
SR 1406 (CHERRY TREE RD.)
MP 3.55 - MP 5.59; MP 5.86 - MP 8.61

MAP NO. 16
SR 1441 (LELAND SCHOOL RD.)
MP 0.00 - MP 0.62



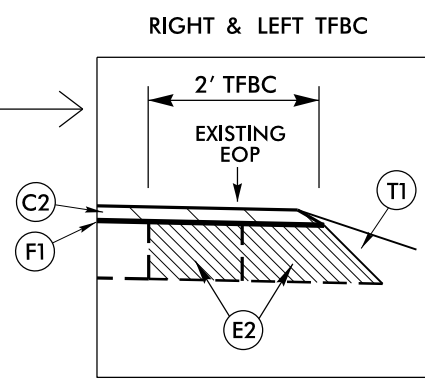
**MAP 14 (CHERRY TREE RD.)
SPIRAL WIDENING**

	MILEPOST				B.250C (TONS)	
	START	END	LENGTH (LF)	WIDTH (FT)	SYD	BASE @ 5.5"
RT	3.59	3.69	530	2	117.78	36.92
LT	3.59	3.69	530	2	117.78	36.92
RT	3.73	3.87	750	2	166.67	52.25
LT	3.73	3.87	750	2	166.67	52.25
RT	4.12	4.24	620	2	137.78	43.19
RT	4.42	4.54	600	2	133.33	41.8
RT	5.07	5.17	530	2	117.78	36.92
RT	5.13	5.27	740	2	164.44	51.55
LT	5.13	5.27	740	2	164.44	51.55
RT	5.3	5.42	650	2	144.44	45.28
LT	5.3	5.42	650	2	144.44	45.28
LT	5.63	5.75	590	2	131.11	41.1
RT	5.76	5.86	480	2	106.67	33.44
RT	6.08	6.18	560	2	124.44	39.01
LT	6.08	6.18	560	2	124.44	39.01
RT	6.59	6.71	620	2	137.78	43.19
TOTALS:			9900			689.66



TYPICAL SECTION NO. 9

MAP NO. 15
SR 1455 (LINCOLN RD.)
MP 0.00 - MP 1.16
NO PAVING BRIDGE #3



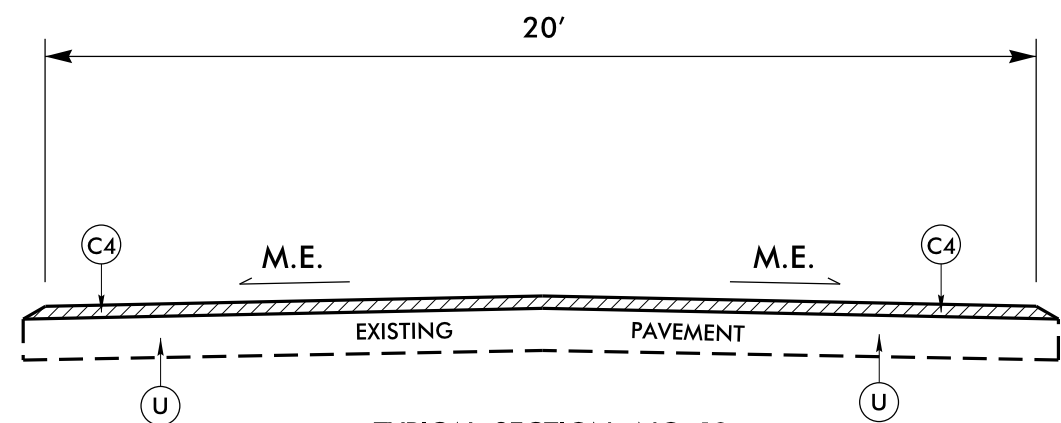
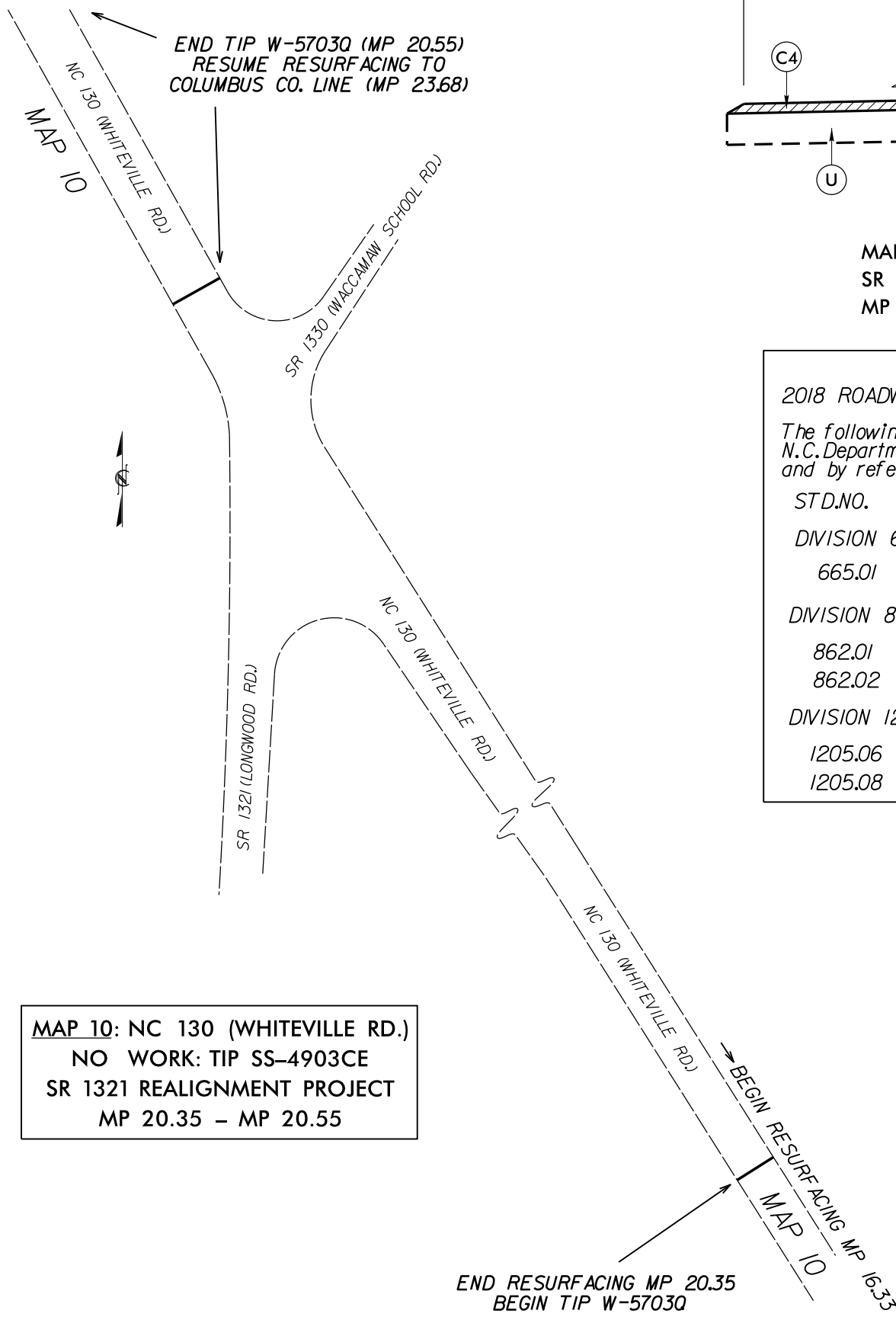
2 FT. TRENCHING FOR BASE COURSE (TFBC) SHALL INCLUDE ONE FT. EXISTING ROADWAY & ONE FT. PROPOSED PAVED SHOULDER [RETAIN EXISTING LANE WIDTH]

PAVEMENT SCHEDULE	
C2	1 1/2" S9.5B
E1	5 1/2" B25.0C
E2	5" B25.0C
F1	AST-MAT COAT #67 GRANITE
T1	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT

REVISIONS

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\$\$\$\$\$

MAP N.T.S.



PAVEMENT SCHEDULE	
C4	1" S4.75A
U	EXISTING PAVEMENT

MAP NO. 19 SR 1429 (GREEN LOOP RD.) MP 0.00 - MP 1.10

MAP NO. 20 SR 1420 (PORT ROYAL RD.) MP 0.00 - MP 0.42

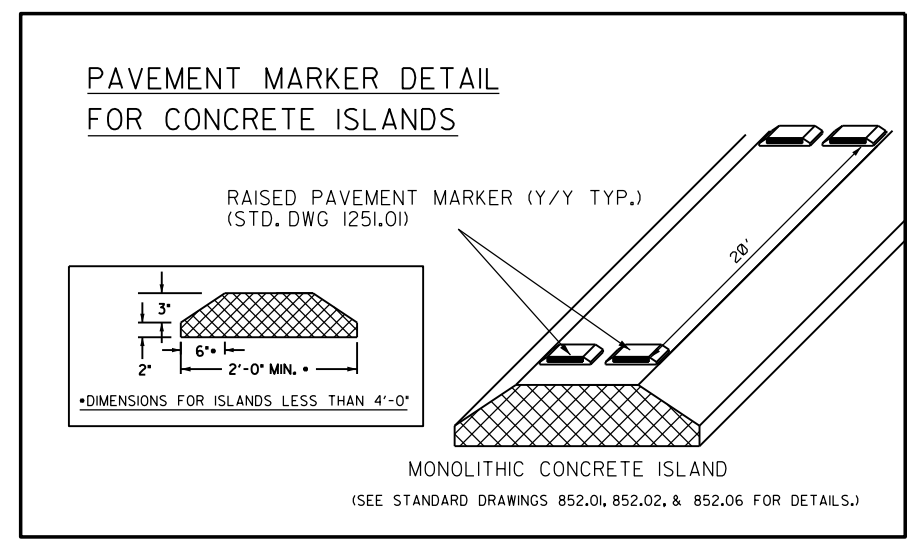
2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF.01-16-2018 REV.

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
665.01	Asphalt Shoulders Milled Rumble Strips
DIVISION 8 - INCIDENTALS	
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION	
1205.06	Lane Drops
1205.08	Pavement Markings - Symbols & Word Messages

MAP 10: NC 130 (WHITEVILLE RD.)
NO WORK: TIP SS-4903CE
SR 1321 REALIGNMENT PROJECT
MP 20.35 - MP 20.55



REVISIONS

8/17/99

31-AUG-2020 12:49

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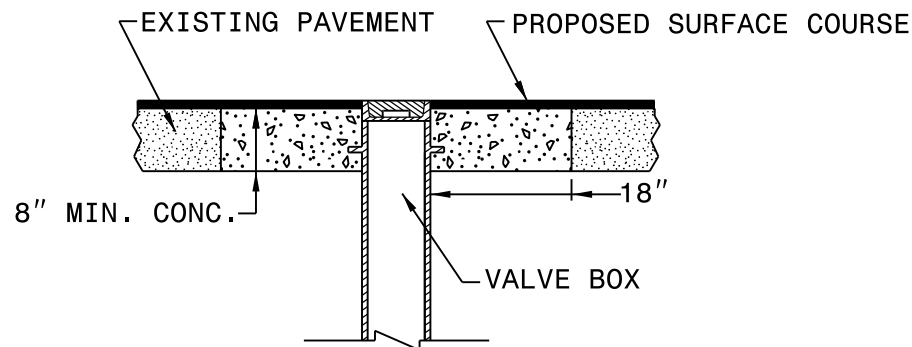
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

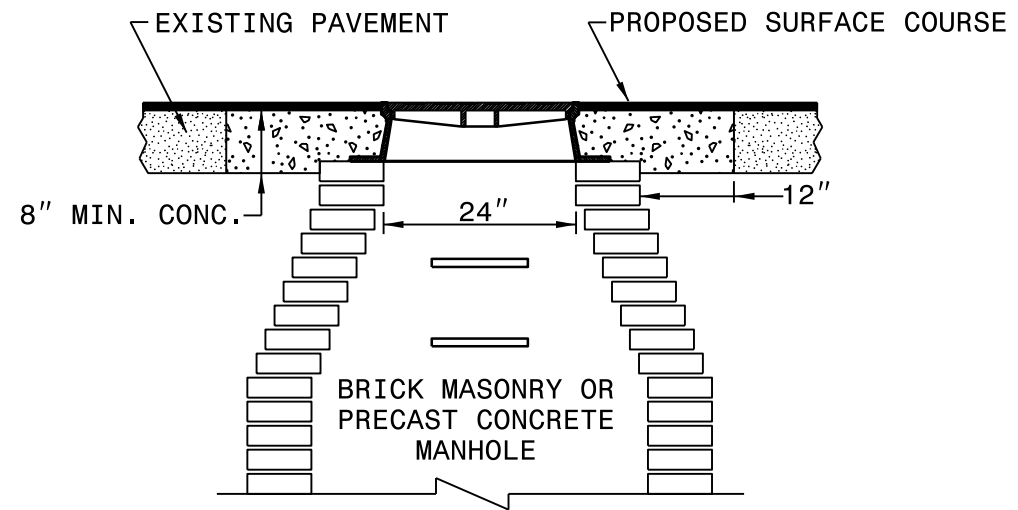
SHEET 1 OF 1
840D55

GENERAL NOTES:

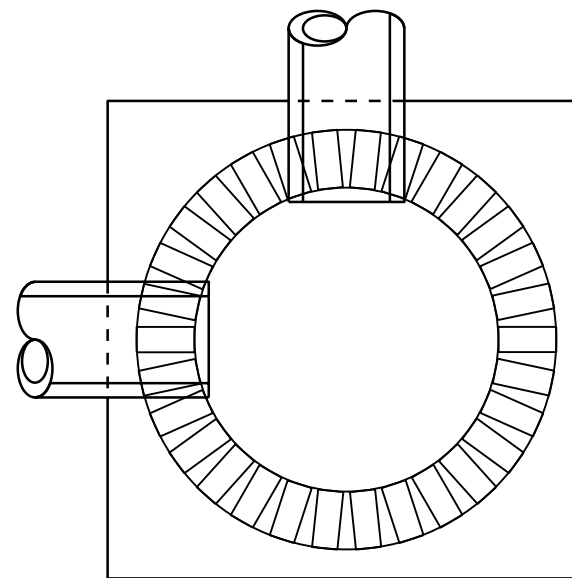
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS $\frac{1}{2}$ " \pm $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



VALVE BOX CONCRETE ENCASEMENT



MANHOLE CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

ENGLISH DETAIL DRAWING FOR

MANHOLE AND VALVE BOX ADJUSTMENTS

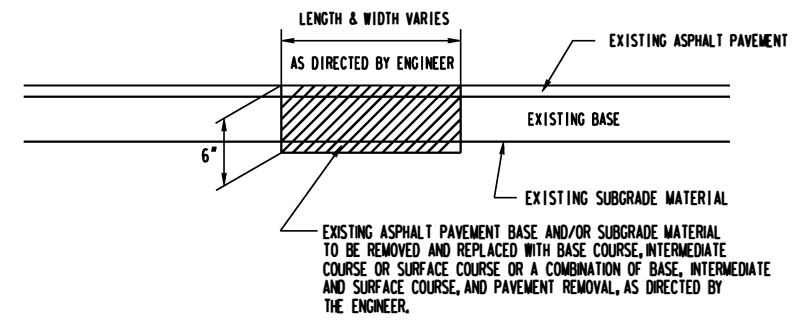
SHEET 1 OF 1
840D55

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

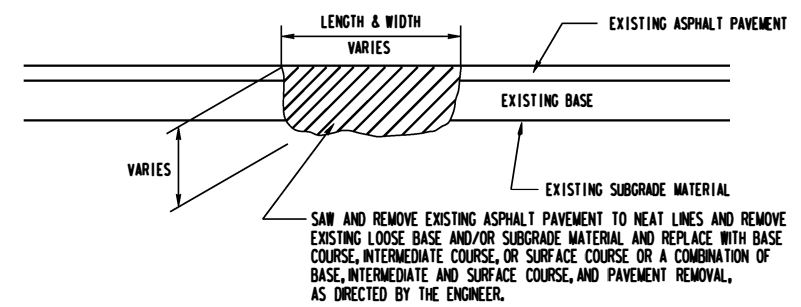
REVISIONS

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8/17/99

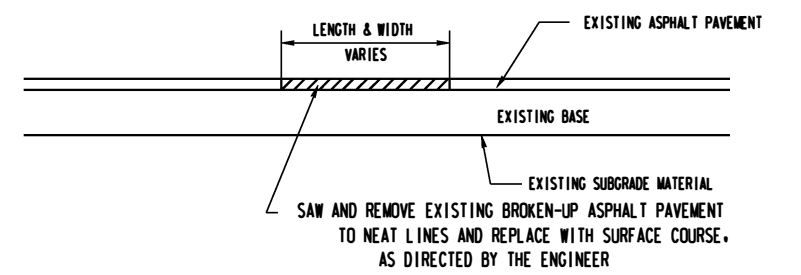
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



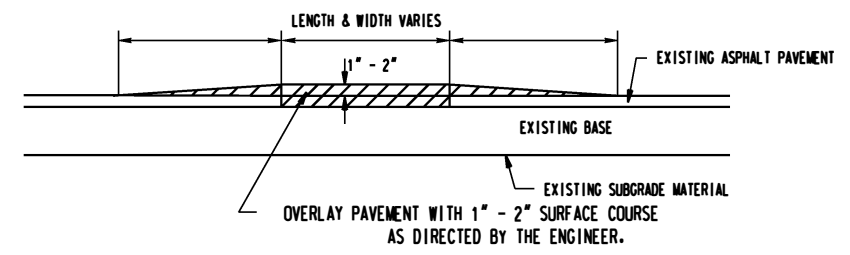
DETAIL NO. 1



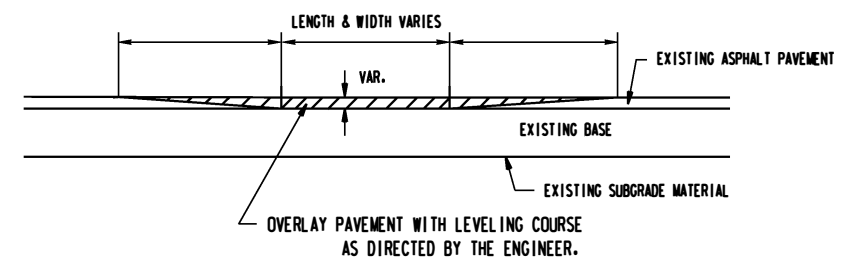
DETAIL NO. 2



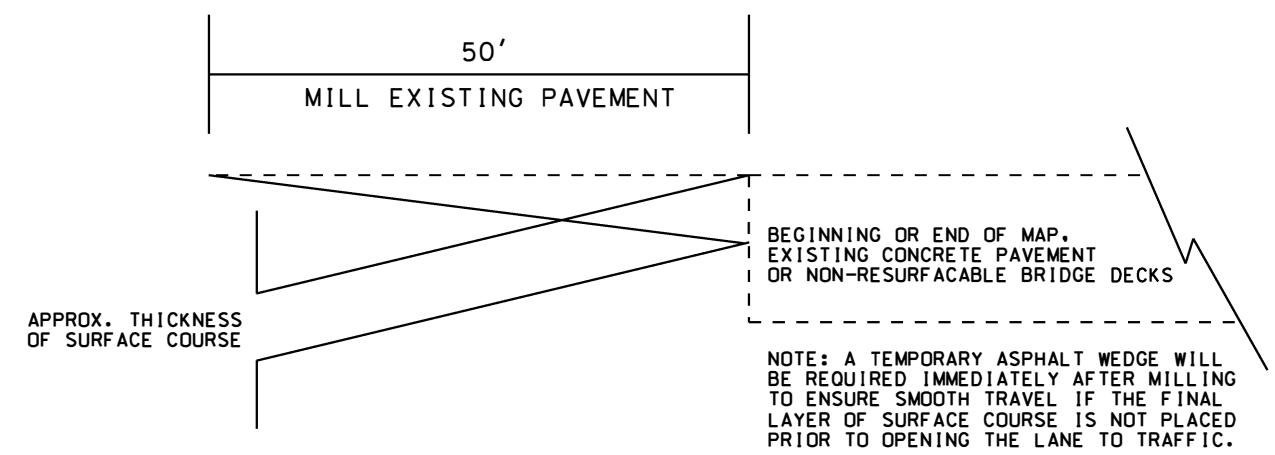
DETAIL NO. 3



DETAIL NO. 4



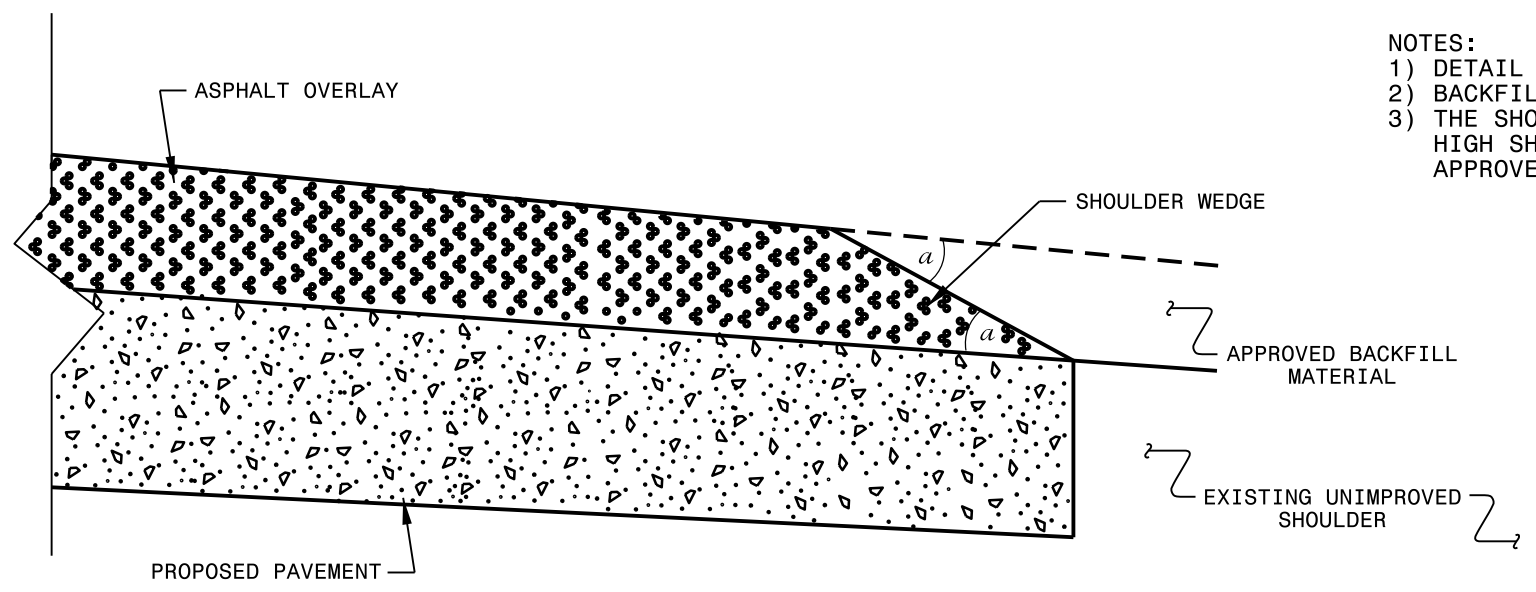
DETAIL NO. 5



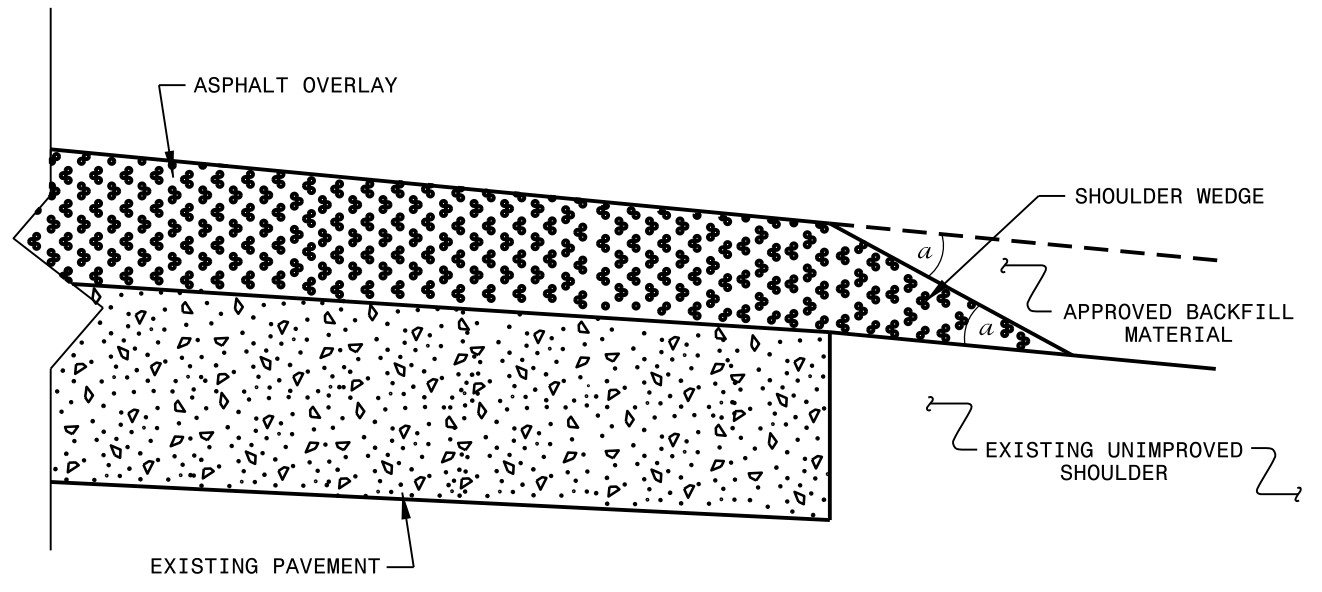
DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

5/14/19 28-SEP-2018 12:50 c:\p\cadd\station\files\rdy_patch.dgn

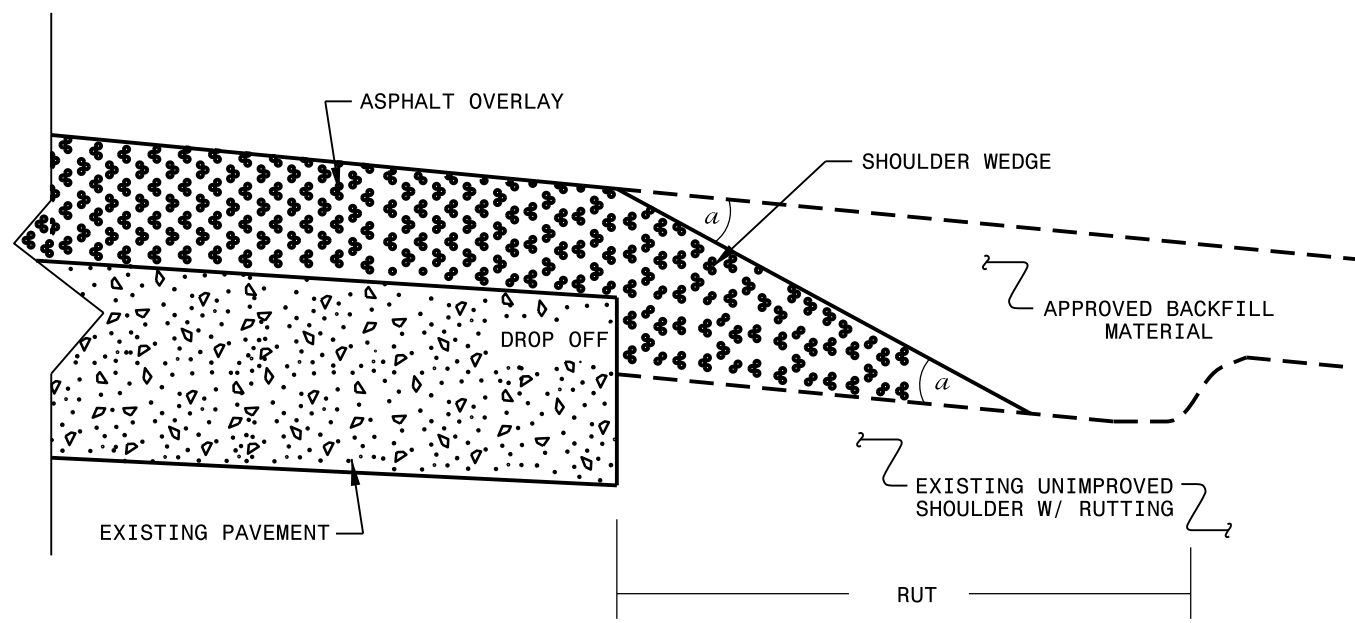
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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		

27 JUN 2018 13:22
 s:\usr\details\stand\shoulderwedgedetail.dgn
 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn
 2021CPT.03.02.10101, Etc

PROJECT NO.	SHEET NO.
2021CPT.03.02.10101, ETC.	12

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	1491000000-E	1519000000-E		1520000000-E	1523000000-E	1526000000-E	1575000000-E	1775500000-E	1838000000-E		
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONST.	2" MILLING	1.5" MILLING	1" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 GRANITE	EMULSION FOR ASPHALT SURFACE TREATMENT		
												MI	FT	CY	TON	SMI	SY	SY	SY	SY	TONS	TON	TON	TON	TON	TON	TON	SY	GAL
2021CPT.03.02.10101	Brunswick	1	US 17 N (ANDREW JACKSON HWY.)	FROM US 74 E (ANDREW JACKSON # 96 OVERPASS) TO NC 133/ VILLAGE RD. BRIDGE #98 [MP 44.0 - MP 45.12]	1	2-3	MD	NO	NO	1.12	44 - 82	37		1.68	36,493			844					4,087		245				
TOTAL FOR MAP NO. 1												1.12		37		1.68	36,493			844				4,087		245			
2021CPT.03.02.10101	Brunswick	2	US 17 S (ANDREW JACKSON HWY.)	FROM NC 133/VILLAGE RD. BRIDGE #99 TO US 74 W. BRIDGE #96 [MP 2.14 - MP 3.23]	1	2-3	MD	NO	NO	1.09	40 - 76	36		1.64	27,457			844					2,934		176				
TOTAL FOR MAP NO. 2												1.09		36		1.64	27,457			844				2,934		176			
2021CPT.03.02.10101	Brunswick	3	US 17 N - RAMP 463	EXIT RAMP FROM US 17 NB (OCEAN HWY. E.) TO NC 133 BRIDGE #98 [MP 0.11 - MP 0.20]	2	1		NO	NO	0.09	24	3		0.18	1,267								143		9				
TOTAL FOR MAP NO. 3												0.09		3		0.18	1,267							143		9			
2021CPT.03.02.10101	Brunswick	4	US 74/76 E (ANDREW JACKSON HWY.)	FROM SR 1722 (MERCANTILE DR NE) TO US 17 (OCEAN HWY. E. OVERPASS) [MP 8.28 - MP 12.16]	3	2-3	MD	NO	NO	3.88	38 - 77	127		5.82	92,508								10,411		625				
TOTAL FOR MAP NO. 4												3.88		127		5.82	92,508							10,411		625			
2021CPT.03.02.10101	Brunswick	5	US 74/76 W (ANDREW JACKSON HWY.)	FROM US 17 (OCEAN HWY. E. OVERPASS) TO SR 1722 (MERCANTILE DR NE) [MP 3.32 - MP 7.11]	3	2-3	MD	NO	NO	3.79	38 - 80	124		5.69	91,272								10,265		616				
TOTAL FOR MAP NO. 5												3.79		124		5.69	91,272							10,265		616			
2021CPT.03.02.10101	Brunswick	6	US 74/76 E - RAMP 471	EXIT RAMP FROM US 74/76 E. (ANDREW JACKSON HWY.) TO SR 1438 (LANVALE RD.) [MP 0.11 - MP 0.30]	4	1		NO	NO	0.19	25				2,787								314		19				
TOTAL FOR MAP NO. 6												0.19					2,787							314		19			
2021CPT.03.02.10101	Brunswick	7	US 74/76 E - RAMP 472	ENTRANCE RAMP FROM SR 1438 (LANVALE RD.) TO US 74 E. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.17]	4	1		NO	NO	0.16	26	5		0.08	2,441								275		17				
TOTAL FOR MAP NO. 7												0.16		5		0.08	2,441							275		17			
2021CPT.03.02.10101	Brunswick	8	US 74/76 W - RAMP 469	EXIT RAMP FROM US 74/76 W. (ANDREW JACKSON HWY.) TO SR 1426 (MT. MISERY RD.) [MP 0.01 - MP 0.34]	4	1		NO	NO	0.33	26	11		0.17	5,034								567		34				
TOTAL FOR MAP NO. 8												0.33		11		0.17	5,034							567		34			
2021CPT.03.02.10101	Brunswick	9	US 74/76 W - RAMP 470	ENTRANCE RAMP FROM SR 1426 (MT. MISERY RD.) TO US 74/76 W. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.15]	4	1		NO	NO	0.14	25	5		0.28	2,053								232		14				
TOTAL FOR MAP NO. 9												0.14		5		0.28	2,053							232		14			
2021CPT.03.02.10101	Brunswick	10	NC 130 (WHITEVILLE RD.)	FROM 1.2 MILES W. OF SR 1335 (BIG NECK RD. N) TO COLOMBUS CO. (BRIDGE #72) [MP 16.33 - MP 23.68]	5, 6	2	2WU	NO	NO	7.35	28	219		10.73		117,451	513					10,305		690					
TOTAL FOR MAP NO. 10												7.35		219		10.73		117,451	513					10,305		690			
TOTAL FOR PROJ NO. 2021CPT.03.02.10101												18.14		567		302		26.27	261,312	117,451	513		1,688		10,305		29,228		2,445
																							10,305						

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	1840000000-E	1880000000-E	2830000000-N	3030000000-E	3150000000-N	3210000000-N	3287000000-N	3420000000-E	3435000000-N	5255000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E		
									MILLED RUMBLE STRIPS	PATCHING EXISTING PAVEMENT I19.OC (FULL DEPTH)	LEVELING COURSE, S4.75A	ADJUSTMENT OF MANHOLES	STEEL BM GUARDRAIL	ADDITIONAL GUARDRAIL POSTS	GUARDRAIL END UNITS, TYPE CAT-1	GUARDRAIL END UNITS, TYPE TL-3	REMOVE & REPLACE EXISTING GUARDRAIL	REMOVE & RESET GUARDRAIL END UNIT, TYPE TL-3	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	
									LF	TONS	TON	EA	LF	EA	EA	EA	LF	EA	LS	LF	TON	TON	ACR	LBS	
2021CPT.03.02.10101	Brunswick	1	US 17 N (ANDREW JACKSON HWY.)	FROM US 74 E (ANDREW JACKSON # 96 OVERPASS) TO NC 133/VILLAGE RD. BRIDGE #98 [MP 44.0 - MP 45.12]	1	2-3	MD	NO	11,827				7	1	4	200.00	1	*	54	13	13	0.54	27		
TOTAL FOR MAP NO. 1									11,827				7	1	4	200.00	1	*	54	13	13	0.54	27		
2021CPT.03.02.10101	Brunswick	2	US 17 S (ANDREW JACKSON HWY.)	FROM NC 133/VILLAGE RD. BRIDGE #99 TO US 74 W. BRIDGE #96 [MP 2.14 - MP 3.23]	1	2-3	MD	NO	11,510			30.00	2		2	100.00	1	*	52	13	13	0.52	26		
TOTAL FOR MAP NO. 2									11,510			30.00	2		2	100.00	1	*	52	13	13	0.52	26		
2021CPT.03.02.10101	Brunswick	3	US 17 N - RAMP 463	EXIT RAMP FROM US 17 NB (OCEAN HWY. E.) TO NC 133 BRIDGE #98 [MP 0.11 - MP 0.20]	2	1		NO	50									*					2		
TOTAL FOR MAP NO. 3									50										*					2	
2021CPT.03.02.10101	Brunswick	4	US 74/76 E (ANDREW JACKSON HWY.)	FROM SR 1722 (MERCANTILE DR NE) TO US 17 (OCEAN HWY. E. OVERPASS) [MP 8.28 - MP 12.16]	3	2-3	MD	NO	40,973			90.00	9		6	275.00	1		130	32	32	1.29	64		
TOTAL FOR MAP NO. 4									40,973			90.00	9		6	275.00	1		130	32	32	1.29	64		
2021CPT.03.02.10101	Brunswick	5	US 74/76 W (ANDREW JACKSON HWY.)	FROM US 17 (OCEAN HWY. E. OVERPASS) TO SR 1722 (MERCANTILE DR NE) [MP 3.32 - MP 7.11]	3	2-3	MD	NO	40,022			60.00	3	1	1	125.00	1		126	32	32	1.26	63		
TOTAL FOR MAP NO. 5									40,022			60.00	3	1	1	125.00	1		126	32	32	1.26	63		
2021CPT.03.02.10101	Brunswick	6	US 74/76 E - RAMP 471	EXIT RAMP FROM US 74/76 E. (ANDREW JACKSON HWY.) TO SR 1438 (LANVALE RD.) [MP 0.11 - MP 0.30]	4	1		NO	50																
TOTAL FOR MAP NO. 6									50																
2021CPT.03.02.10101	Brunswick	7	US 74/76 E - RAMP 472	ENTRANCE RAMP FROM SR 1438 (LANVALE RD.) TO US 74 E. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.17]	4	1		NO	50																
TOTAL FOR MAP NO. 7									50																
2021CPT.03.02.10101	Brunswick	8	US 74/76 W - RAMP 469	EXIT RAMP FROM US 74/76 W. (ANDREW JACKSON HWY.) TO SR 1426 (MT. MISERY RD.) [MP 0.01 - MP 0.34]	4	1		NO	50																
TOTAL FOR MAP NO. 8									50																
2021CPT.03.02.10101	Brunswick	9	US 74/76 W - RAMP 470	ENTRANCE RAMP FROM SR 1426 (MT. MISERY RD.) TO US 74/76 W. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.15]	4	1		NO	50																
TOTAL FOR MAP NO. 9									50																
2021CPT.03.02.10101	Brunswick	10	NC 130 (WHITEVILLE RD.)	FROM 1.2 MILES W. OF SR 1335 (BIG NECK RD. N) TO COLOMBUS CO. (BRIDGE #72) [MP 16.33 - MP 23.68]	5, 6	2	2WU	NO		800			16		16	1,137.50			500	184	184	7.35	368		
TOTAL FOR MAP NO. 10										800			16		16	1,137.50		500	184	184	7.35	368			
TOTAL FOR PROJ NO. 2021CPT.03.02.10101									104,582	800			180.00	37	2	29	1,837.50	4	1	862	274	274	10.96	550	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	184000000-E	188000000-E	283000000-N	303000000-E	315000000-N	321000000-N	328700000-N	342000000-E	343500000-N	525500000-N	600000000-E	600900000-E	601200000-E	601500000-E	601800000-E			
									MILLED RUMBLE STRIPS	PATCHING EXISTING PAVEMENT 119.0C (FULL DEPTH)	LEVELING COURSE, S4.75A	ADJUSTMENT OF MANHOLES	STEEL BM GUARDRAIL	ADDITIONAL GUARDRAIL POSTS	GUARDRAIL END UNITS, TYPE CAT-1	GUARDRAIL END UNITS, TYPE TL-3	REMOVE & REPLACE EXISTING GUARDRAIL	REMOVE & RESET GUARDRAIL END UNIT, TYPE TL-3	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING		
									LF	TONS	TON	EA	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
2021CPT.03.02.20101	Brunswick	11	SR 1485 (BELVILLE RD.)	FROM SR 1551 (MAIN ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.07]	7	2	2WU	NO												50						
TOTAL FOR MAP NO. 11																				50						
2021CPT.03.02.20101	Brunswick	12	SR 1551 (MAIN ST.)	FROM PAVEMENT JOINT EAST OF NC 133 TO END OF MAINTENANCE [MP 1.7 - MP 2.00]	7	2	2WU	NO												50						
TOTAL FOR MAP NO. 12																				50						
2021CPT.03.02.20101	Brunswick	13	SR 1701 (ZION CHURCH RD.)	FROM US 17 (OCEAN HWY. E) TO US 17 (OCEAN HWY. E) [MP 0.01 - MP 1.19]	5	2	2WU	NO												124	30	30	1.25	59		
TOTAL FOR MAP NO. 13																				124	30	30	1.25	59		
2021CPT.03.02.20101	Brunswick	14	SR 1406 (CHERRYTREE RD.)	FROM PAVEMENT JOINT 0.58 MILES S. OF JOHN DEERE GREEN TRAIL TO SR 1410 (GREEN HILL RD.) [MP 3.55 - MP 8.61]	5, 8	2	2WU	NO		1,237	15									600	150	150	6.00	300		
TOTAL FOR MAP NO. 14										1,237	15										600	150	150	6.00	300	
2021CPT.03.02.20101	Brunswick	15	SR 1455 (LINCOLN RD.)	FROM SR 1486 (POST OFFICE RD.) TO SR 1426 (MT. MISERY RD) [MP 0.00 - MP 1.16]	9	2	2WU	NO		177										116	29	29	1.16	58		
TOTAL FOR MAP NO. 15										177											116	29	29	1.16	58	
2021CPT.03.02.20101	Brunswick	16	SR 1441 (LELAND SCHOOL RD.)	FROM SR 1426 (MT. MISERY RD.) TO SR 1472 (VILLAGE RD.) [MP 0.00 - MP 0.62]	8	2	2WU	NO		252										62	16	16	0.62	31		
TOTAL FOR MAP NO. 16										252											62	16	16	0.62	31	
TOTAL FOR PROJ NO. 2021CPT.03.02.20101										1,666	15	3										1,002	225	225	9.03	448
2021CPT.03.02.20102	Brunswick	17	SR 1419 (NORTHWEST RD.)	FROM SR 1426 (MT. MISERY RD.) TO COLUMBUS COUNTY LINE [MP 1.72 - MP 3.95]	NA	2	2WU	NO		341																
TOTAL FOR MAP NO. 17										341																
2021CPT.03.02.20102	Brunswick	18	SR 1422 (BLUE BANKS LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO GRIST CREEK WYND [MP 0.00 - MP 2.94]	NA	2	2WU	NO		609																
TOTAL FOR MAP NO. 18										609																
2021CPT.03.02.20102	Brunswick	19	SR 1429 (GREEN LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO CUL-DE-SAC [MP 0.00 - MP 1.10]	10	2	2WU	NO		126																
TOTAL FOR MAP NO. 19										126																
2021CPT.03.02.20102	Brunswick	20	SR 1420 (PORT ROYAL RD.)	FROM SR 1419 TO END OF MAINTENANCE [MP 0.00 - MP 0.42]	10	2	2WU	NO		53	10															
TOTAL FOR MAP NO. 20										53	10															
2021CPT.03.02.20102	Brunswick	21	SR 1426 (MT. MISERY RD.)	FROM SR 1428 (DOGWOOD RD.) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	NA	2	2WU	NO		1,155																
TOTAL FOR MAP NO. 21										1,155																
TOTAL FOR PROJ NO. 2021CPT.03.02.20102										2,284	10															
GRAND TOTAL									104,582	4,750	25	3	180.00	37	2	29	1,837.50	4	1	1,864	499	499	19.99	998		

PROJECT NO.	SHEET NO.
2021CPT.03.02.10101, ETC.	16

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N
									FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL
									TON	SY	LF	LF	AC	LB	TON	EA
2021CPT.03.02.10101	Brunswick	1	US 17 N (ANDREW JACKSON HWY.)	FROM US 74 E (ANDREW JACKSON # 96 OVERPASS) TO NC 133/ VILLAGE RD. BRIDGE #98 [MP 44.0 - MP 45.12]	1	2-3	MD	NO	0.14	5	27	10	0.39	27	0.14	1
TOTAL FOR MAP NO. 1									0.14	5	27	10	0.39	27	0.14	1
2021CPT.03.02.10101	Brunswick	2	US 17 S (ANDREW JACKSON HWY.)	FROM NC 133/VILLAGE RD. BRIDGE #99 TO US 74 W. BRIDGE #96 [MP 2.14 - MP 3.23]	1	2-3	MD	NO	0.13	5	26	10	0.38	26	0.13	1
TOTAL FOR MAP NO. 2									0.13	5	26	10	0.38	26	0.13	1
2021CPT.03.02.10101	Brunswick	3	US 17 N - RAMP 463	EXIT RAMP FROM US 17 NB (OCEAN HWY. E.) TO NC 133 BRIDGE #98 [MP 0.11 - MP 0.20]	2	1		NO	0.01				0.07			
TOTAL FOR MAP NO. 3									0.01				0.07			
2021CPT.03.02.10101	Brunswick	4	US 74/76 E (ANDREW JACKSON HWY.)	FROM SR 1722 (MERCANTILE DR NE) TO US 17 (OCEAN HWY. E. OVERPASS) [MP 8.28 - MP 12.16]	3	2-3	MD	NO	0.32	10	97	30	2.82	97	0.49	3
TOTAL FOR MAP NO. 4									0.32	10	97	30	2.82	97	0.49	3
2021CPT.03.02.10101	Brunswick	5	US 74/76 W (ANDREW JACKSON HWY.)	FROM US 17 (OCEAN HWY E. OVERPASS) TO SR 1722 (MERCANTILE DR NE) [MP 3.32 - MP 7.11]	3	2-3	MD	NO	0.31	10	63	20	3.79	63	0.31	3
TOTAL FOR MAP NO. 5									0.31	10	63	20	3.79	63	0.31	3
2021CPT.03.02.10101	Brunswick	6	US 74/76 E - RAMP 471	EXIT RAMP FROM US 74/76 E. (ANDREW JACKSON HWY.) TO SR 1438 (LANVALE RD.) [MP 0.11 - MP 0.30]	4	1		NO								
TOTAL FOR MAP NO. 6																
2021CPT.03.02.10101	Brunswick	7	US 74/76 E - RAMP 472	ENTRANCE RAMP FROM SR 1438 (LANVALE RD.) TO US 74 E. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.17]	4	1		NO					0.08			1
TOTAL FOR MAP NO. 7													0.08			1
2021CPT.03.02.10101	Brunswick	8	US 74/76 W - RAMP 469	EXIT RAMP FROM US 74/76 W. (ANDREW JACKSON HWY) TO SR 1426 (MT. MISERY RD.) [MP 0.01 - MP 0.34]	4	1		NO		330			0.16			1
TOTAL FOR MAP NO. 8										330			0.16			1
2021CPT.03.02.10101	Brunswick	9	US 74/76 W - RAMP 470	ENTRANCE RAMP FROM SR 1426 (MT. MISERY RD.) TO US 74/76 W. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.15]	4	1		NO		280			0.27			1
TOTAL FOR MAP NO. 9										280			0.27			1
2021CPT.03.02.10101	Brunswick	10	NC 130 (WHITEVILLE RD.)	FROM 1.2 MILES W. OF SR 1335 (BIG NECK RD. N) TO COLOMBUS CO. (BRIDGE #72) [MP 16.33 - MP 23.68]	5, 6	2	2WU	NO	1.84	50	300	120	5.35	368	1.84	4
TOTAL FOR MAP NO. 10									1.84	50	300	120	5.35	368	1.84	4
TOTAL FOR PROJ NO. 2021CPT.03.02.10101									2.75	690	513	190	13.31	581	2.91	15

PROJECT NO.	SHEET NO.
2021CPT.03.02.10101, ETC.	17

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N
									FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL
									TON	SY	LF	LF	AC	LB	TON	EA
2021CPT.03.02.20101	Brunswick	11	SR 1485 (BELVILLE RD.)	FROM SR 1551 (MAIN ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.07]	7	2	2WU	NO				20				
TOTAL FOR MAP NO. 11												20				
2021CPT.03.02.20101	Brunswick	12	SR 1551 (MAIN ST.)	FROM PAVEMENT JOINT EAST OF NC 133 TO END OF MAINTENANCE [MP 1.7 - MP 2.00]	7	2	2WU	NO				60				
TOTAL FOR MAP NO. 12												60				
2021CPT.03.02.20101	Brunswick	13	SR 1701 (ZION CHURCH RD.)	FROM US 17 (OCEAN HWY. E) TO US 17 (OCEAN HWY. E) [MP 0.01 - MP 1.19]	5	2	2WU	NO	0.30	10	59	20	3.00	62	0.31	2
TOTAL FOR MAP NO. 13									0.30	10	59	20	3.00	62	0.31	2
2021CPT.03.02.20101	Brunswick	14	SR 1406 (CHERRYTREE RD.)	FROM PAVEMENT JOINT 0.58 MILES S. OF JOHN DEERE GREEN TRAIL TO SR 1410 (GREEN HILL RD.) [MP 3.55 - MP 8.61]	5, 8	2	2WU	NO	1.50	40	300	90	4.36	300	1.50	5
TOTAL FOR MAP NO. 14									1.50	40	300	90	4.36	300	1.50	5
2021CPT.03.02.20101	Brunswick	15	SR 1455 (LINCOLN RD.)	FROM SR 1486 (POST OFFICE RD.) TO SR 1426 (MT. MISERY RD.) [MP 0.00 - MP 1.16]	9	2	2WU	NO	0.29	10	58	20	1.50	116	0.29	2
TOTAL FOR MAP NO. 15									0.29	10	58	20	1.50	116	0.29	2
2021CPT.03.02.20101	Brunswick	16	SR 1441 (LELAND SCHOOL RD.)	FROM SR 1426 (MT. MISERY RD.) TO SR 1472 (VILLAGE RD.) [MP 0.00 - MP 0.62]	8	2	2WU	NO	0.15	10	31	10	0.45	31	0.15	1
TOTAL FOR MAP NO. 16									0.15	10	31	10	0.45	31	0.15	1
TOTAL FOR PROJ NO. 2021CPT.03.02.20101									2.24	70	448	220	9.31	509	2.25	10
2021CPT.03.02.20102	Brunswick	17	SR 1419 (NORTHWEST RD.)	FROM SR 1426 (MT. MISERY RD.) TO COLUMBUS COUNTY LINE [MP 1.72 - MP 3.95]	NA	2	2WU	NO								
TOTAL FOR MAP NO. 17																
2021CPT.03.02.20102	Brunswick	18	SR 1422 (BLUE BANKS LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO GRIST CREEK WYND [MP 0.00 - MP 2.94]	NA	2	2WU	NO								
TOTAL FOR MAP NO. 18																
2021CPT.03.02.20102	Brunswick	19	SR 1429 (GREEN LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO CUL-DE-SAC [MP 0.00 - MP 1.10]	10	2	2WU	NO								
TOTAL FOR MAP NO. 19																
2021CPT.03.02.20102	Brunswick	20	SR 1420 (PORT ROYAL RD.)	FROM SR 1419 TO END OF MAINTENANCE [MP 0.00 - MP 0.42]	10	2	2WU	NO								
TOTAL FOR MAP NO. 20																
2021CPT.03.02.20102	Brunswick	21	SR 1426 (MT. MISERY RD.)	FROM SR 1428 (DOGWOOD RD.) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	NA	2	2WU	NO								
TOTAL FOR MAP NO. 21																
TOTAL FOR PROJ NO. 2021CPT.03.02.20102																
GRAND TOTAL									4.99	760	961	410	22.62	1,090	5.16	25

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4688000000-E		4700000000-E	4725000000-E			4810000000-E		4815000000-E	4820000000-E	4825000000-E				
										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" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	THERMO RT ARROW 90 M	MERGE ARROW 90 M	WRONG WAY RAMP ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	6" WHITE PAINT	6" YELLOW PAINT	8" WHITE PAINT	12" WHITE PAINT			
									MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	LF	LF			
2021CPT.03.02.10101	Brunswick	1	US 17 N (ANDREW JACKSON HWY.)	FROM US 74 E (ANDREW JACKSON # 96 OVERPASS) TO NC 133/VILLAGE RD. BRIDGE #98 [MP 44.0 - MP 45.12]	1	3	MD	1.12	44 - 82	128	*	101			8,002	5,914	2,800	4	3				506	406					
TOTAL FOR MAP NO. 1									1.12		128	*	101			8,002	5,914	2,800	4	3				506	406				
2021CPT.03.02.10101	Brunswick	2	US 17 S (ANDREW JACKSON HWY.)	FROM NC 133/VILLAGE RD. BRIDGE #99 TO US 74 W. BRIDGE #96 [MP 2.14 - MP 3.23]	1	2	MD	1.09	40 - 76	128	*	98			7,447	5,755	2,027	4	3				540	420					
TOTAL FOR MAP NO. 2									1.09		128	*	98			7,447	5,755	2,027	4	3				540	420				
2021CPT.03.02.10101	Brunswick	3	US 17 N - RAMP 463	EXIT RAMP FROM US 17 NB (OCEAN HWY. E.) TO NC 133 BRIDGE #98 [MP 0.11 - MP 0.20]	2	1		0.09	24	32	*	20			475	475													
TOTAL FOR MAP NO. 3									0.09		32	*	20			475	475												
2021CPT.03.02.10101	Brunswick	4	US 74/76 E (ANDREW JACKSON HWY.)	FROM SR 1722 (MERCANTILE DR NE) TO US 17 (OCEAN HWY. E. OVERPASS) [MP 8.28 - MP 12.16]	3	2	MD	3.88	38 - 77	448	*	78			25,976	20,486	2,530		2				926	740					
TOTAL FOR MAP NO. 4									3.88		448	*	78			25,976	20,486	2,530		2					926	740			
2021CPT.03.02.10101	Brunswick	5	US 74/76 W (ANDREW JACKSON HWY.)	FROM US 17 (OCEAN HWY E. OVERPASS) TO SR 1722 (MERCANTILE DR NE) [MP 3.32 - MP 7.11]	3	2	MD	3.79	38 - 80	448	*	76			27,281	20,011	1,012	2	3				1,089	740		150			
TOTAL FOR MAP NO. 5									3.79		448	*	76			27,281	20,011	1,012	2	3				1,089	740		150		
2021CPT.03.02.10101	Brunswick	6	US 74/76 E - RAMP 471	EXIT RAMP FROM US 74/76 E. (ANDREW JACKSON HWY.) TO SR 1438 (LANVALE RD.) [MP 0.11 - MP 0.30]	4	1		0.19	25	32	*	20			1,003	1,003	84				1								
TOTAL FOR MAP NO. 6									0.19		32	*	20			1,003	1,003	84				1							
2021CPT.03.02.10101	Brunswick	7	US 74/76 E - RAMP 472	ENTRANCE RAMP FROM SR 1438 (LANVALE RD.) TO US 74 E. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.17]	4	1		0.16	26	32	*	20			845	845													
TOTAL FOR MAP NO. 7									0.16		32	*	20			845	845												
2021CPT.03.02.10101	Brunswick	8	US 74/76 W - RAMP 469	EXIT RAMP FROM US 74/76 W. (ANDREW JACKSON HWY) TO SR 1426 (MT. MISERY RD.) [MP 0.01 - MP 0.34]	4	1		0.33	26	48	*	20			1,742	1,742	75				1								
TOTAL FOR MAP NO. 8									0.33		48	*	20			1,742	1,742	75				1							
2021CPT.03.02.10101	Brunswick	9	US 74/76 W - RAMP 470	ENTRANCE RAMP FROM SR 1426 (MT. MISERY RD.) TO US 74/76 W. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.15]	4	1		0.14	25	32	*	20			739	739													
TOTAL FOR MAP NO. 9									0.14		32	*	20			739	739												
2021CPT.03.02.10101	Brunswick	10	NC 130 (WHITEVILLE RD.)	FROM 1.2 MILES W. OF SR 1335 (BIG NECK RD. N) TO COLOMBUS CO. (BRIDGE #72) [MP 16.33 - MP 23.68]	5,6	2	2WU	7.35	28	832	*			79,286	48,510														
TOTAL FOR MAP NO. 10									7.35		832	*			79,286	48,510													
TOTAL FOR PROJ NO. 2021CPT.03.02.10101									18.14		2,160	*	453		79,286	48,510	73,510	56,970	8,528	10	11	2				3,061	2,306		150
											127,796			130,480			23					5,367							

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4688000000-E		4700000000-E	4725000000-E			4810000000-E		4815000000-E	4820000000-E	4825000000-E					
										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" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	THERMO RT ARROW 90 M	MERGE ARROW 90 M	WRONG WAY RAMP ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	6" WHITE PAINT	6" YELLOW PAINT	8" WHITE PAINT	12" WHITE PAINT				
									MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	LF	LF				
2021CPT.03.02.20101	Brunswick	11	SR 1485 (BELVILLE RD.)	FROM SR 1551 (MAIN ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.07]	7	2	2WU	0.07	40		*																			
TOTAL FOR MAP NO. 11									0.07			*																		
2021CPT.03.02.20101	Brunswick	12	SR 1551 (MAIN ST.)	FROM PAVEMENT JOINT EAST OF NC 133 TO END OF MAINTENANCE [MP 1.7 - MP 2.00]	7	2	2WU	0.3	22 - 44		*											3,348	6,336		900					
TOTAL FOR MAP NO. 12									0.3			*										3,348	6,336		900					
2021CPT.03.02.20101	Brunswick	13	SR 1701 (ZION CHURCH RD.)	FROM US 17 (OCEAN HWY. E) TO US 17 (OCEAN HWY. E) [MP 0.01 - MP 1.19]	5	2	2WU	1.18	20		*											25,000	18,690							
TOTAL FOR MAP NO. 13									1.18			*											25,000	18,690						
2021CPT.03.02.20101	Brunswick	14	SR 1406 (CHERRYTREE RD.)	FROM PAVEMENT JOINT 0.58 MILES S. OF JOHN DEERE GREEN TRAIL TO SR 1410 (GREEN HILL RD.) [MP 3.55 - MP 8.61]	5, 8	2	2WU	6.05	20	576	*											128,886	98,532							
TOTAL FOR MAP NO. 14									6.05		576	*											128,886	98,532						
2021CPT.03.02.20101	Brunswick	15	SR 1455 (LINCOLN RD.)	FROM SR 1486 (POST OFFICE RD.) TO SR 1426 (MT. MISERY RD) [MP 0.00 - MP 1.16]	9	2	2WU	1.16	20	128	*											24,499	24,846		236					
TOTAL FOR MAP NO. 15									1.16		128	*													24,499	24,846		236		
2021CPT.03.02.20101	Brunswick	16	SR 1441 (LELAND SCHOOL RD.)	FROM SR 1426 (MT. MISERY RD.) TO SR 1472 (VILLAGE RD.) [MP 0.00 - MP 0.62]	8	2	2WU	0.62	18		*											13,342	9,232							
TOTAL FOR MAP NO. 16									0.62			*													13,342	9,232				
TOTAL FOR PROJ NO. 2021CPT.03.02.20101									9.38		704	*														195,075	157,636		1,136	
											352,711																			
2021CPT.03.02.20102	Brunswick	17	SR 1419 (NORTHWEST RD.)	FROM SR 1426 (MT. MISERY RD.) TO COLUMBUS COUNTY LINE [MP 1.72 - MP 3.95]	NA	2	2WU	2.23	22		*																			
TOTAL FOR MAP NO. 17									2.23			*																		
2021CPT.03.02.20102	Brunswick	18	SR 1422 (BLUE BANKS LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO GRIST CREEK WYND [MP 0.00 - MP 2.94]	NA	2	2WU	2.94	20		*																			
TOTAL FOR MAP NO. 18									2.94			*																		
2021CPT.03.02.20102	Brunswick	19	SR 1429 (GREEN LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO CUL-DE-SAC [MP 0.00 - MP 1.10]	10	2	2WU	1.1	20		*											25,222	15,470							
TOTAL FOR MAP NO. 19									1.1			*											25,222	15,470						
2021CPT.03.02.20102	Brunswick	20	SR 1420 (PORT ROYAL RD.)	FROM SR 1419 TO END OF MAINTENANCE [MP 0.00 - MP 0.42]	10	2	2WU	0.42	20		*																			
TOTAL FOR MAP NO. 20									0.42			*																		
2021CPT.03.02.20102	Brunswick	21	SR 1426 (MT. MISERY RD.)	FROM SR 1428 (DOGWOOD RD.) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	NA	2	2WU	5.09	21		*																			
TOTAL FOR MAP NO. 21									5.09			*																		
TOTAL FOR PROJ NO. 2021CPT.03.02.20102									11.78			*														25,222	15,470			
											40,692																			
GRAND TOTAL									39.3		2,864	1	453	79,286	48,510	73,510	56,970	8,528	10	11	2	220,297	173,106	3,061	2,306	1,136	150			
											127,796																			
											130,480																			
											23																			
											393,403																			
											5,367																			

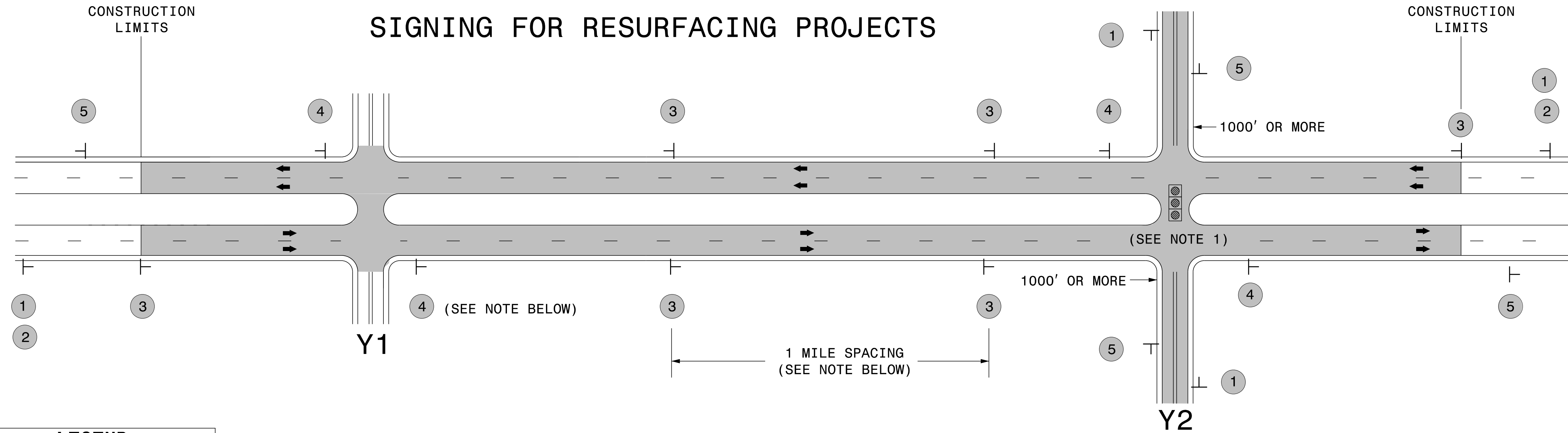
PROJECT NO.	SHEET NO.
2021CPT.03.02.10101, ETC.	20

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	4830000000-E	4835000000-E	4840000000-N			4845000000-N				4850000000-E	4860000000-E	4870000000-E	4891000000-E	4720000000-E	4900000000-N		4905000000-N				
							16" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT MSG RXR	PAINT MSG SCHOOL	MERGE ARROW	PAINT RT ARROW	PAINT LT ARROW	12" PAINT YIELD SYMBOL	REMOVAL OF PAVEMENT MARKING LINES (4")	REMOVAL OF PAVEMENT MARKING LINES (8")	REMOVAL OF PAVEMENT MARKING LINES (24")	24" X 90 M WHITE THERMO	THERMO PAVE MARKING CHARACTER (90 M)	CRYSTAL & RED MARKERS	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (C/R)	SNOW PLOWABLE MARKERS (Y/Y)			
							LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA					
2021CPT.03.02.10101	Brunswick	1	US 17 N (ANDREW JACKSON HWY.)	FROM US 74 E (ANDREW JACKSON # 96 OVERPASS) TO NC 133/VILLAGE RD. BRIDGE #98 [MP 44.0 - MP 45.12]	1	3									456					8	3		279				
TOTAL FOR MAP NO. 1															456					8	3		279				
2021CPT.03.02.10101	Brunswick	2	US 17 S (ANDREW JACKSON HWY.)	FROM NC 133/VILLAGE RD. BRIDGE #99 TO US 74 W. BRIDGE #96 [MP 2.14 - MP 3.23]	1	2									480					8	3		206				
TOTAL FOR MAP NO. 2															480					8	3		206				
2021CPT.03.02.10101	Brunswick	3	US 17 N - RAMP 463	EXIT RAMP FROM US 17 NB (OCEAN HWY. E.) TO NC 133 BRIDGE #98 [MP 0.11 - MP 0.20]	2	1																					
TOTAL FOR MAP NO. 3																											
2021CPT.03.02.10101	Brunswick	4	US 74/76 E (ANDREW JACKSON HWY.)	FROM SR 1722 (MERCANTILE DR NE) TO US 17 (OCEAN HWY. E. OVERPASS) [MP 8.28 - MP 12.16]	3	2										833						5	387				
TOTAL FOR MAP NO. 4																833							5	387			
2021CPT.03.02.10101	Brunswick	5	US 74/76 W (ANDREW JACKSON HWY.)	FROM US 17 (OCEAN HWY. E. OVERPASS) TO SR 1722 (MERCANTILE DR NE) [MP 3.32 - MP 7.11]	3	2									915	75							265				
TOTAL FOR MAP NO. 5															915	75								265			
2021CPT.03.02.10101	Brunswick	6	US 74/76 E - RAMP 471	EXIT RAMP FROM US 74/76 E. (ANDREW JACKSON HWY.) TO SR 1438 (LANVALE RD.) [MP 0.11 - MP 0.30]	4	1														65	34	10					
TOTAL FOR MAP NO. 6																					65	34	10				
2021CPT.03.02.10101	Brunswick	7	US 74/76 E - RAMP 472	ENTRANCE RAMP FROM SR 1438 (LANVALE RD.) TO US 74 E. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.17]	4	1																					
TOTAL FOR MAP NO. 7																											
2021CPT.03.02.10101	Brunswick	8	US 74/76 W - RAMP 469	EXIT RAMP FROM US 74/76 W. (ANDREW JACKSON HWY.) TO SR 1426 (MT. MISERY RD.) [MP 0.01 - MP 0.34]	4	1														65	25	10					
TOTAL FOR MAP NO. 8																					65	25	10				
2021CPT.03.02.10101	Brunswick	9	US 74/76 W - RAMP 470	ENTRANCE RAMP FROM SR 1426 (MT. MISERY RD.) TO US 74/76 W. (ANDREW JACKSON HWY.) [MP 0.01 - MP 0.15]	4	1																					
TOTAL FOR MAP NO. 9																											
2021CPT.03.02.10101	Brunswick	10	NC 130 (WHITEVILLE RD.)	FROM 1.2 MILES W. OF SR 1335 (BIG NECK RD. N) TO COLOMBUS CO. (BRIDGE #72) [MP 16.33 - MP 23.68]	5,6	2														50		20	487				
TOTAL FOR MAP NO. 10																				50		20	487				
TOTAL FOR PROJ NO. 2021CPT.03.02.10101																2			2,684	75		180	16	70	40	1,137	487
																						110		1,624			

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	4830000000-E	4835000000-E	4840000000-N			4845000000-N				4850000000-E	4860000000-E	4870000000-E	4891000000-E	4720000000-E	4900000000-N		4905000000-N			
							16" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT MSG RXR	PAINT MSG SCHOOL	MERGE ARROW	PAINT RT ARROW	PAINT LT ARROW	12" PAINT YIELD SYMBOL	REMOVAL OF PAVEMENT MARKING LINES (4")	REMOVAL OF PAVEMENT MARKING LINES (8")	REMOVAL OF PAVEMENT MARKING LINES (24")	24" X 90 M WHITE THERMO	THERMO PAVE MARKING CHARACTER (90 M)	CRYSTAL & RED MARKERS	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (C/R)	SNOW PLOWABLE MARKERS (Y/Y)		
2021CPT.03.02.20101	Brunswick	11	SR 1485 (BELVILLE RD.)	FROM SR 1551 (MAIN ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.07]	7	2																				
TOTAL FOR MAP NO. 11																										
2021CPT.03.02.20101	Brunswick	12	SR 1551 (MAIN ST.)	FROM PAVEMENT JOINT EAST OF NC 133 TO END OF MAINTENANCE [MP 1.7 - MP 2.00]	7	2			16			10	10	2	10			16	16		36	18				
TOTAL FOR MAP NO. 12									16			10	10	2	10			16	16		36	18				
2021CPT.03.02.20101	Brunswick	13	SR 1701 (ZION CHURCH RD.)	FROM US 17 (OCEAN HWY. E) TO US 17 (OCEAN HWY. E) [MP 0.01 - MP 1.19]	5	2																89				
TOTAL FOR MAP NO. 13																							89			
2021CPT.03.02.20101	Brunswick	14	SR 1406 (CHERRYTREE RD.)	FROM PAVEMENT JOINT 0.58 MILES S. OF JOHN DEERE GREEN TRAIL TO SR 1410 (GREEN HILL RD.) [MP 3.55 - MP 8.61]	5, 8	2																400				
TOTAL FOR MAP NO. 14																							400			
2021CPT.03.02.20101	Brunswick	15	SR 1455 (LINCOLN RD.)	FROM SR 1486 (POST OFFICE RD.) TO SR 1426 (MT. MISERY RD) [MP 0.00 - MP 1.16]	9	2	200	428	4	24											5	153				
TOTAL FOR MAP NO. 15							200	428	4	24												5	153			
2021CPT.03.02.20101	Brunswick	16	SR 1441 (LELAND SCHOOL RD.)	FROM SR 1426 (MT. MISERY RD.) TO SR 1472 (VILLAGE RD.) [MP 0.00 - MP 0.62]	8	2																55				
TOTAL FOR MAP NO. 16																							55			
TOTAL FOR PROJ NO. 2021CPT.03.02.20101							200	428	16	4	24	10	10	2	10			16	16		41	715				
									44		32									756						
2021CPT.03.02.20102	Brunswick	17	SR 1419 (NORTHWEST RD.)	FROM SR 1426 (MT. MISERY RD.) TO COLUMBUS COUNTY LINE [MP 1.72 - MP 3.95]	NA	2																				
TOTAL FOR MAP NO. 17																										
2021CPT.03.02.20102	Brunswick	18	SR 1422 (BLUE BANKS LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO GRIST CREEK WYND [MP 0.00 - MP 2.94]	NA	2																				
TOTAL FOR MAP NO. 18																										
2021CPT.03.02.20102	Brunswick	19	SR 1429 (GREEN LOOP RD.)	FROM SR 1426 (MT. MISERY RD.) TO CUL-DE-SAC [MP 0.00 - MP 1.10]	10	2																73				
TOTAL FOR MAP NO. 19																							73			
2021CPT.03.02.20102	Brunswick	20	SR 1420 (PORT ROYAL RD.)	FROM SR 1419 TO END OF MAINTENANCE [MP 0.00 - MP 0.42]	10	2	200	140	8																	
TOTAL FOR MAP NO. 20							200	140	8																	
2021CPT.03.02.20102	Brunswick	21	SR 1426 (MT. MISERY RD.)	FROM SR 1428 (DOGWOOD RD.) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	NA	2	100	50	4																	
TOTAL FOR MAP NO. 21							100	50	4																	
TOTAL FOR PROJ NO. 2021CPT.03.02.20102							300	190	12																73	
									12													73				
GRAND TOTAL							500	618	16	16	24	12	10	2	10	2,684	75	16	196	16	111	828	1,137	487		
									56				34							939		1,624				



LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

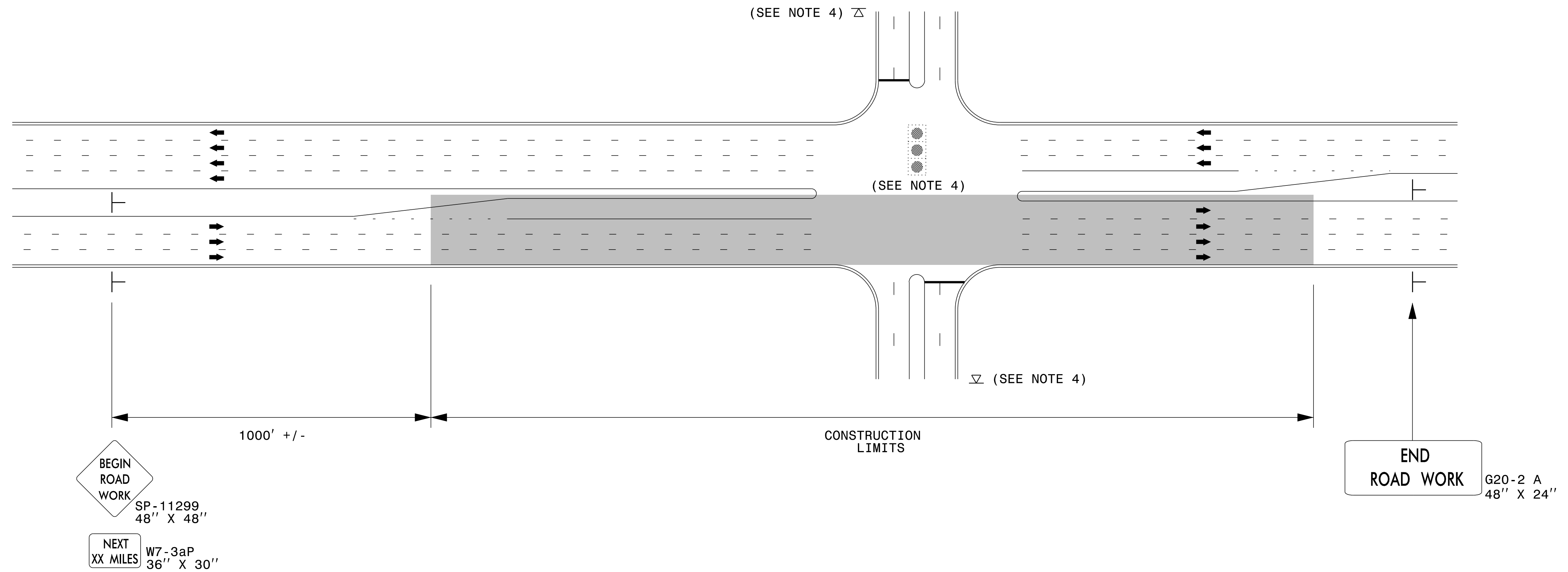
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015
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User:rmgarrrett

**RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS**

URBAN / SUBURBAN WORKZONES



NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

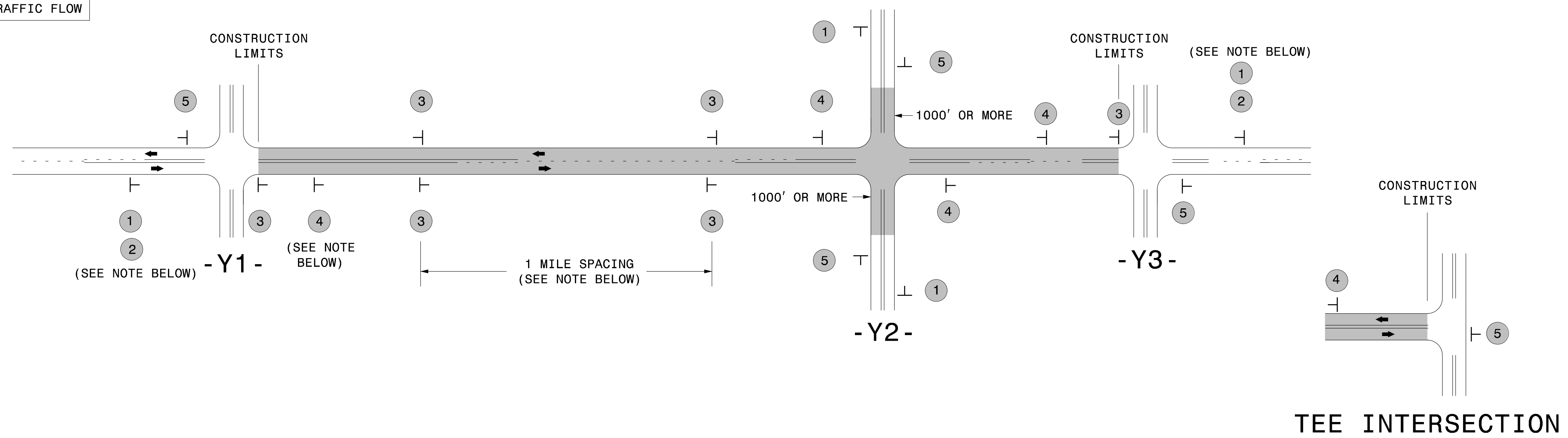
- ┆ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

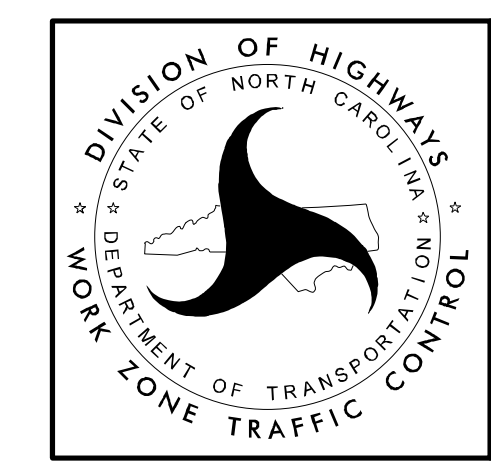
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#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)	
	3		- 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		- 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		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.

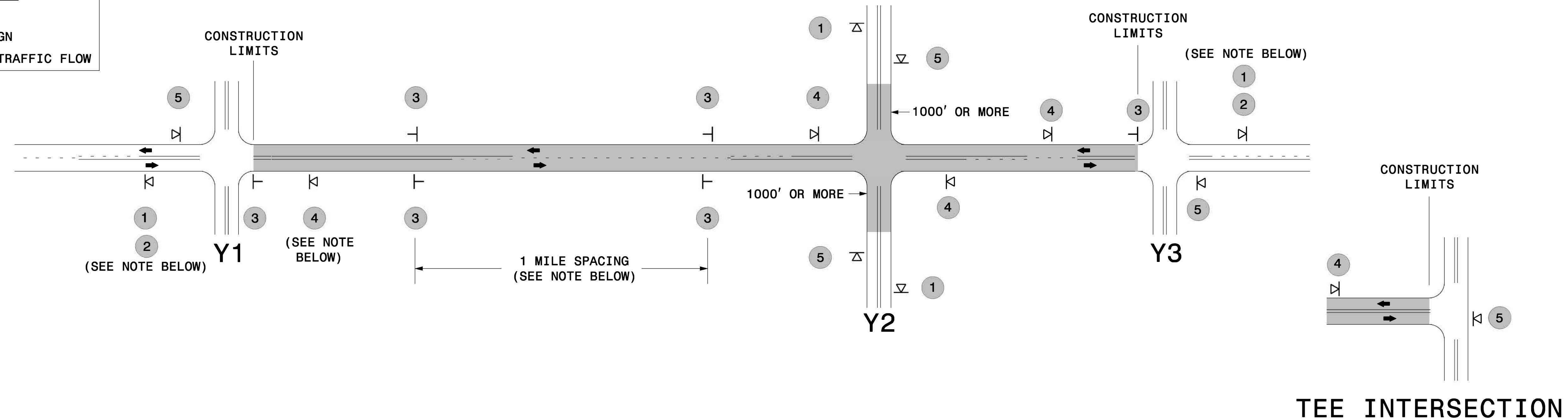


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- ◁ PORTABLE SIGN
- └ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW



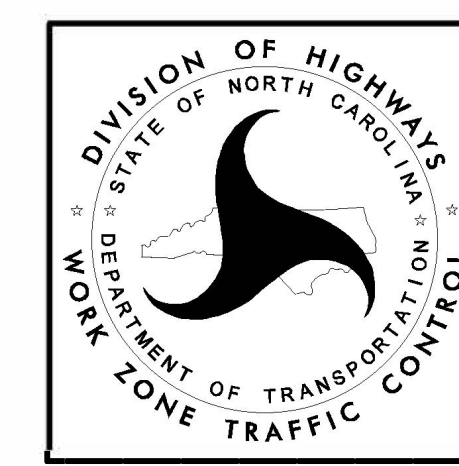
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 	<ul style="list-style-type: none"> - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS. 	<p>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	3	 	<ul style="list-style-type: none"> - ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
	4		<ul style="list-style-type: none"> - 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. 	
	5		<ul style="list-style-type: none"> - PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. 	
	<p>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.</p>			

MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

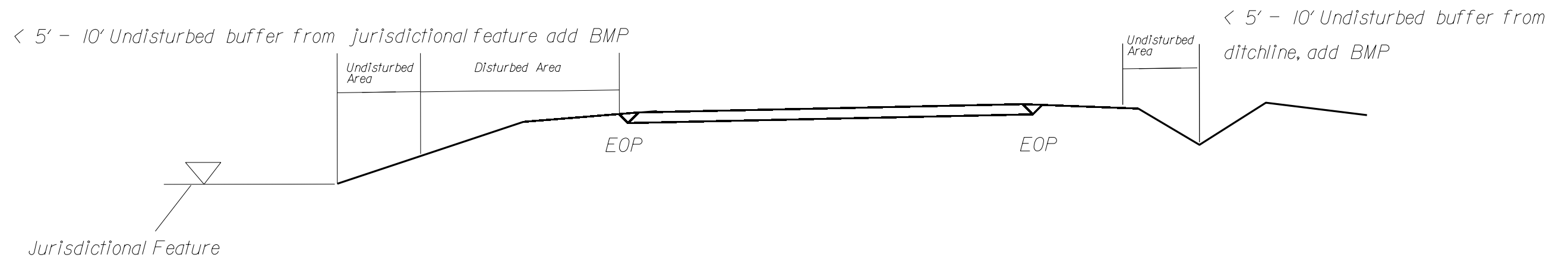
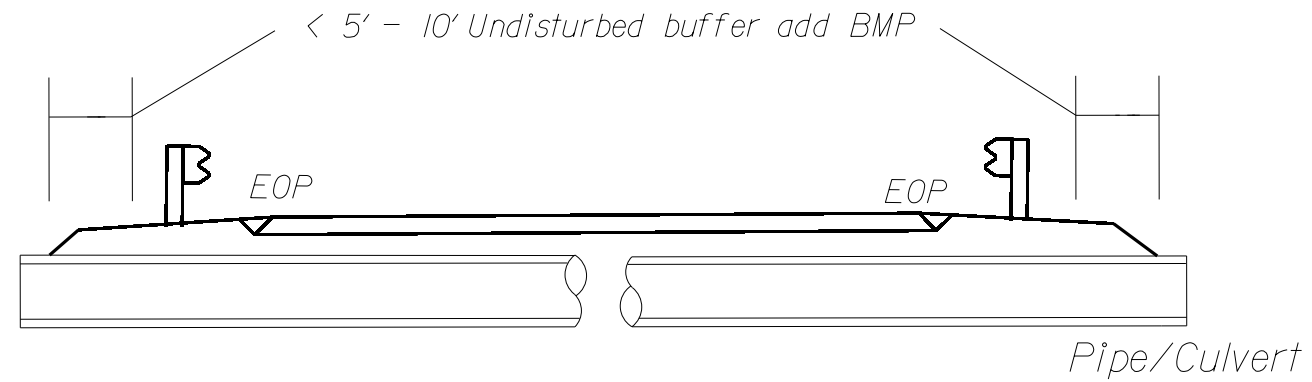
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

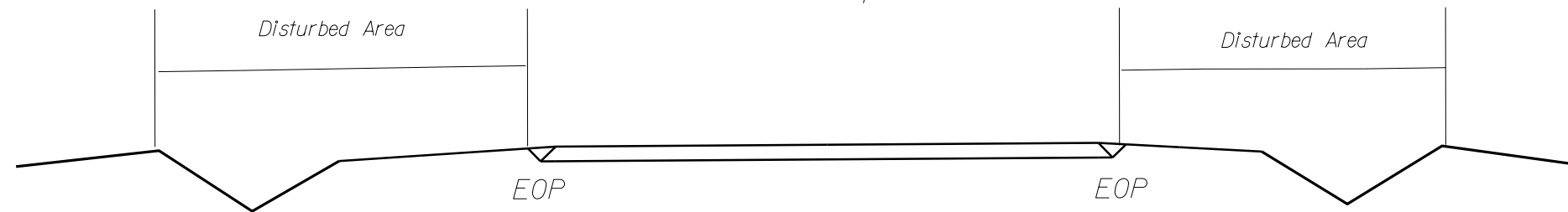
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

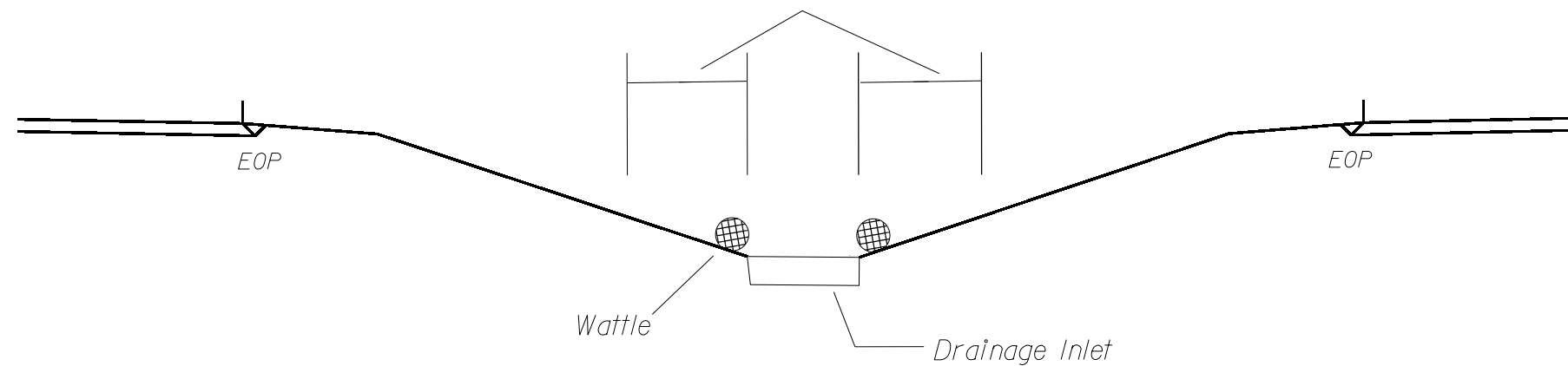
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

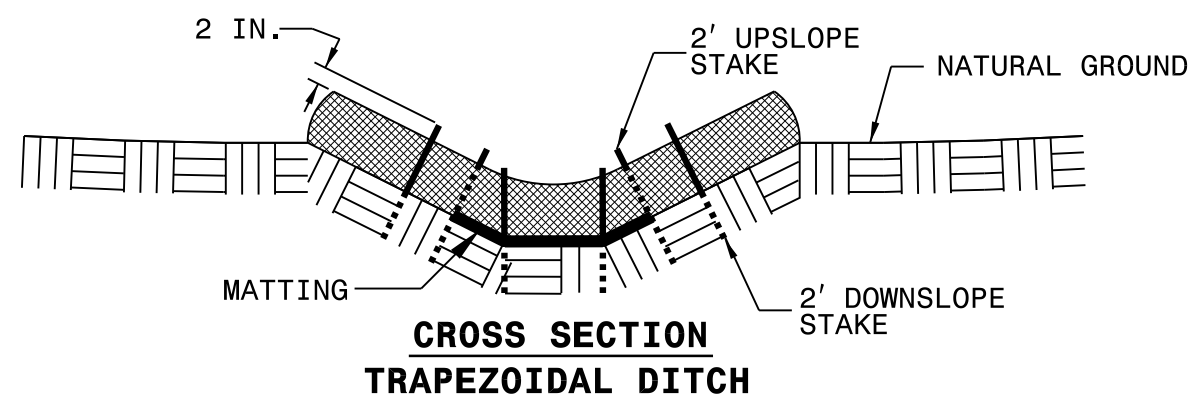
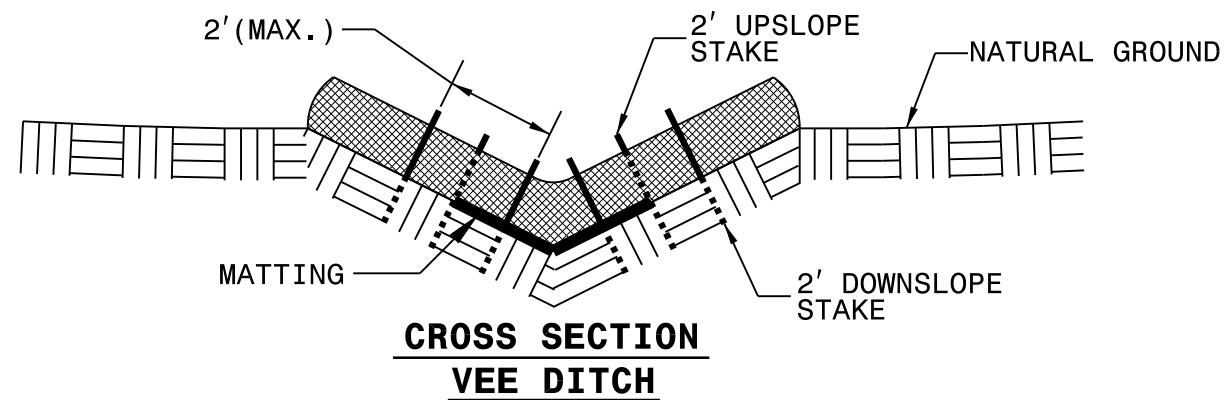
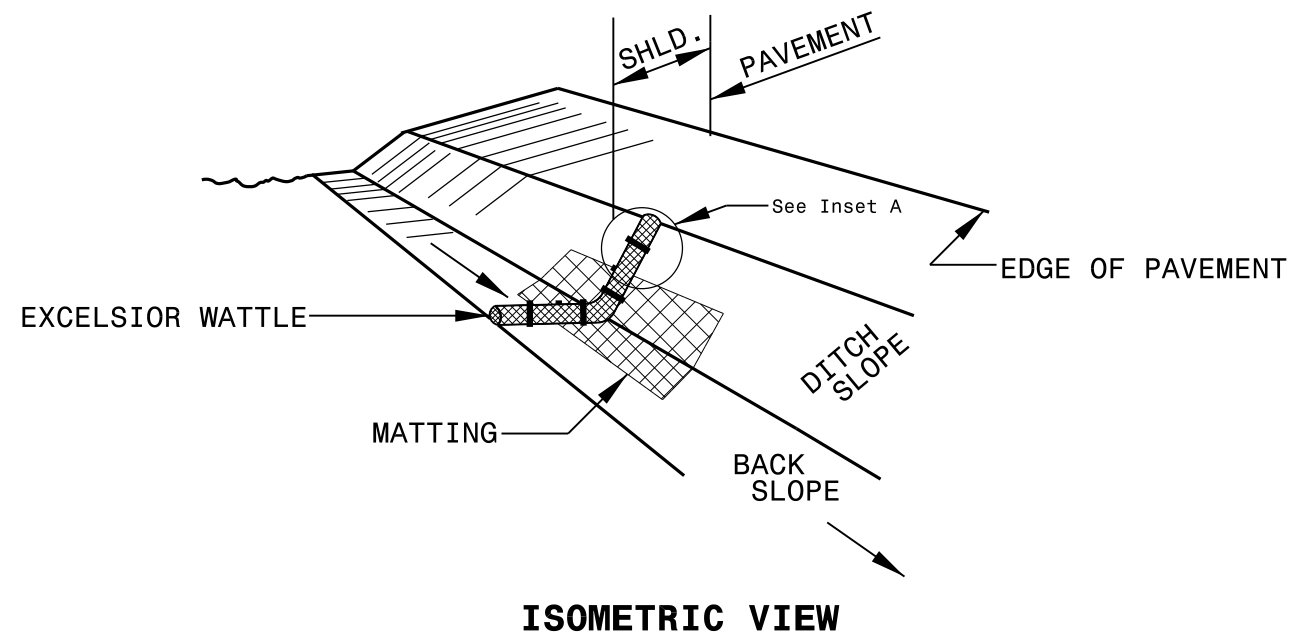


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

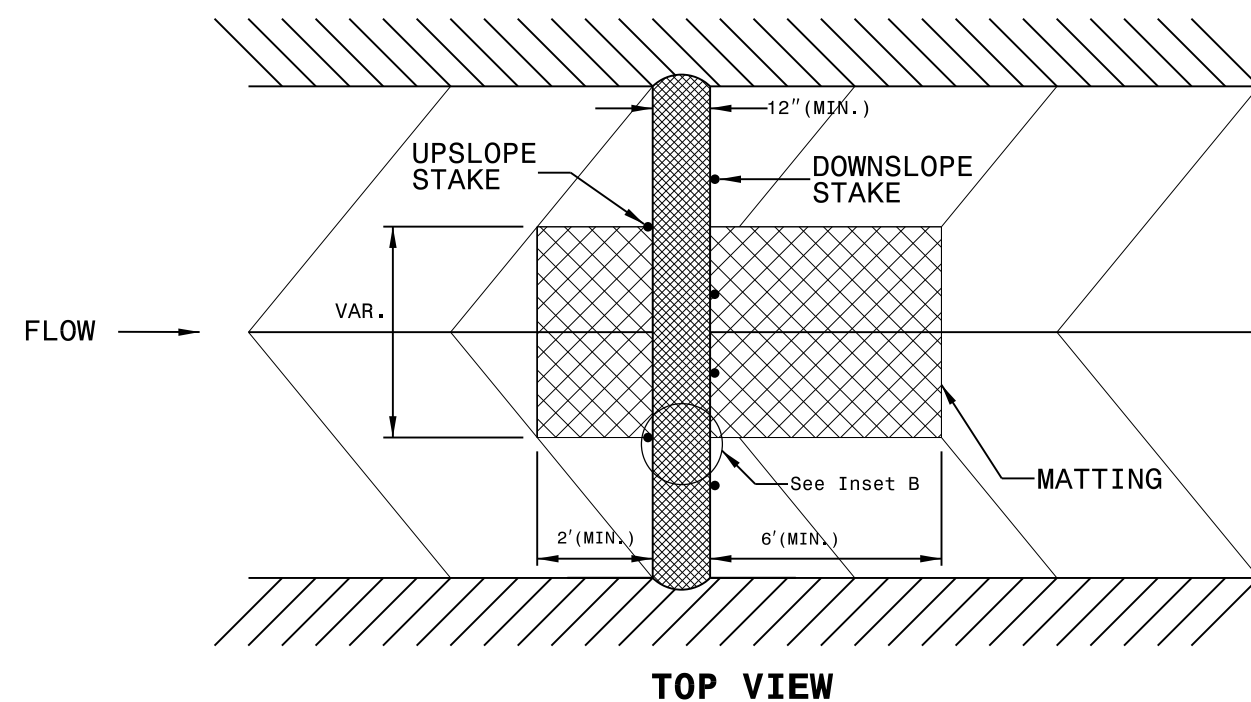
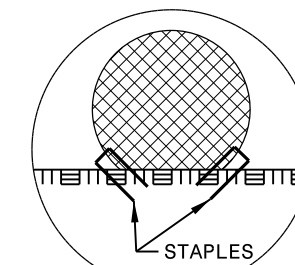
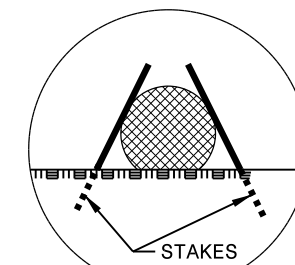
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



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