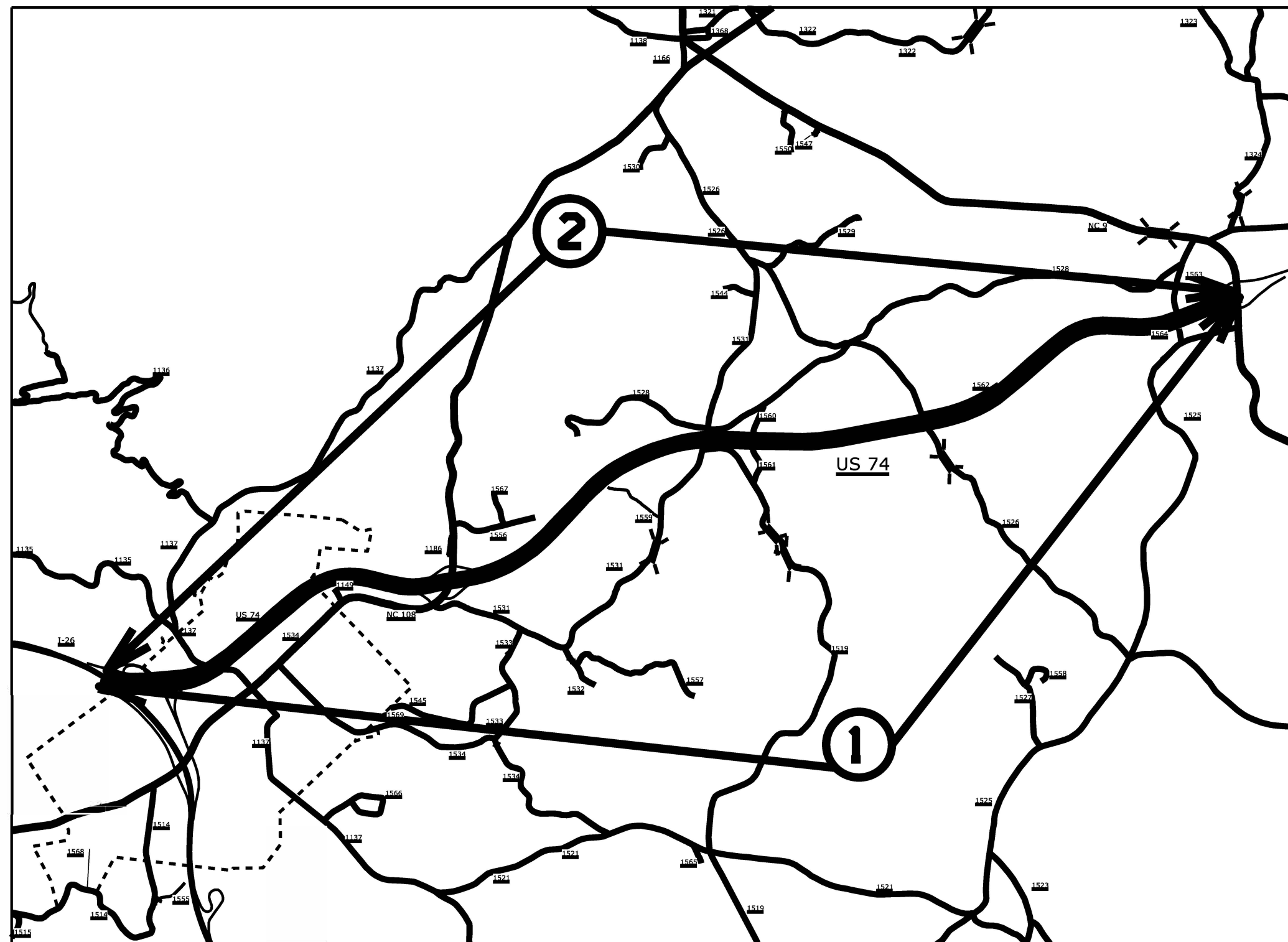


POLK COUNTY



MAP 1



BEG



END

MAP 2



BEG

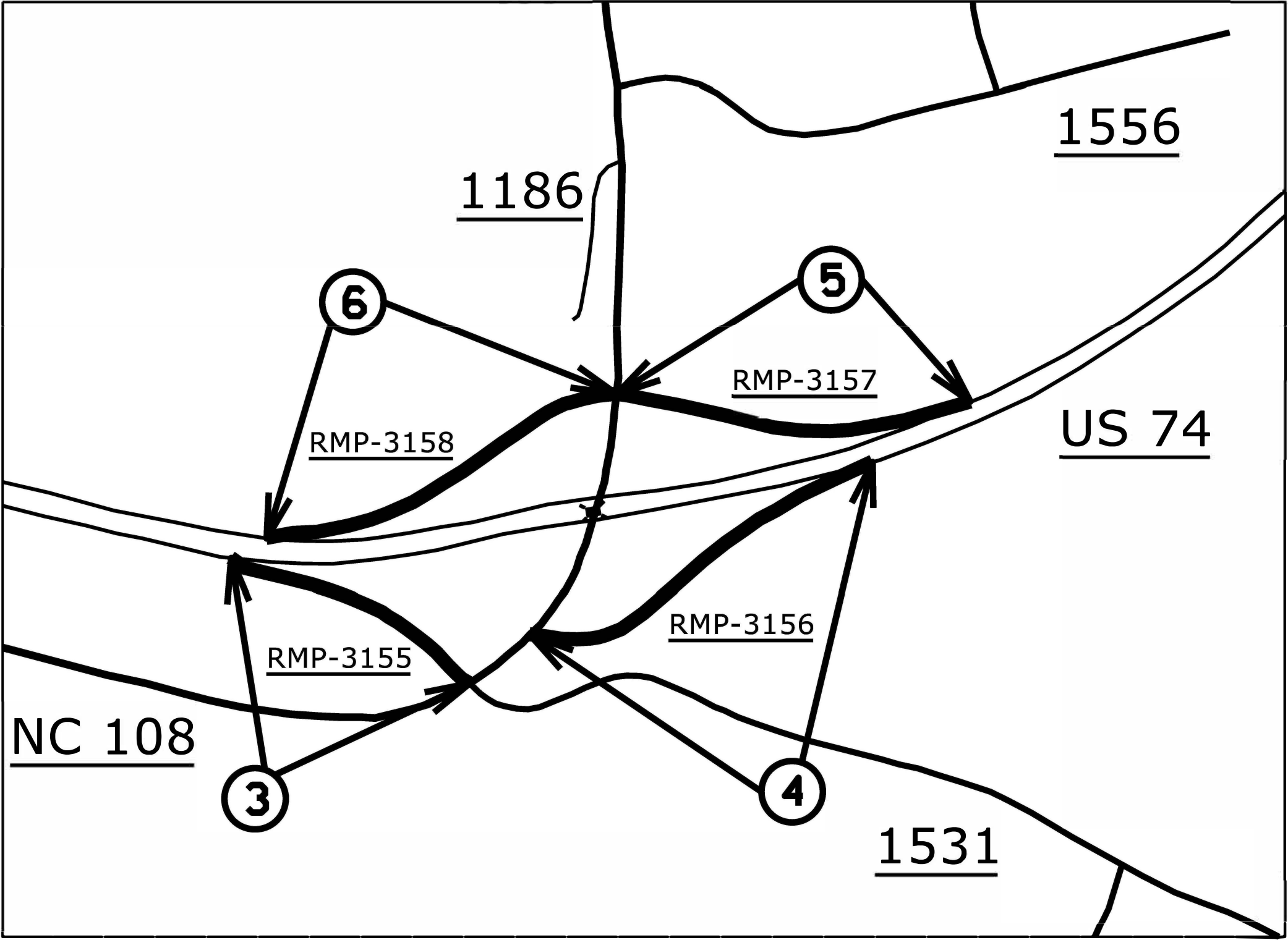


END

CONTRACT:

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.03.10751	2	2
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			

POLK COUNTY



MAP 3

MAP 4



BEG

END

BEG

END

MAP 5

MAP 6



BEG

END

BEG

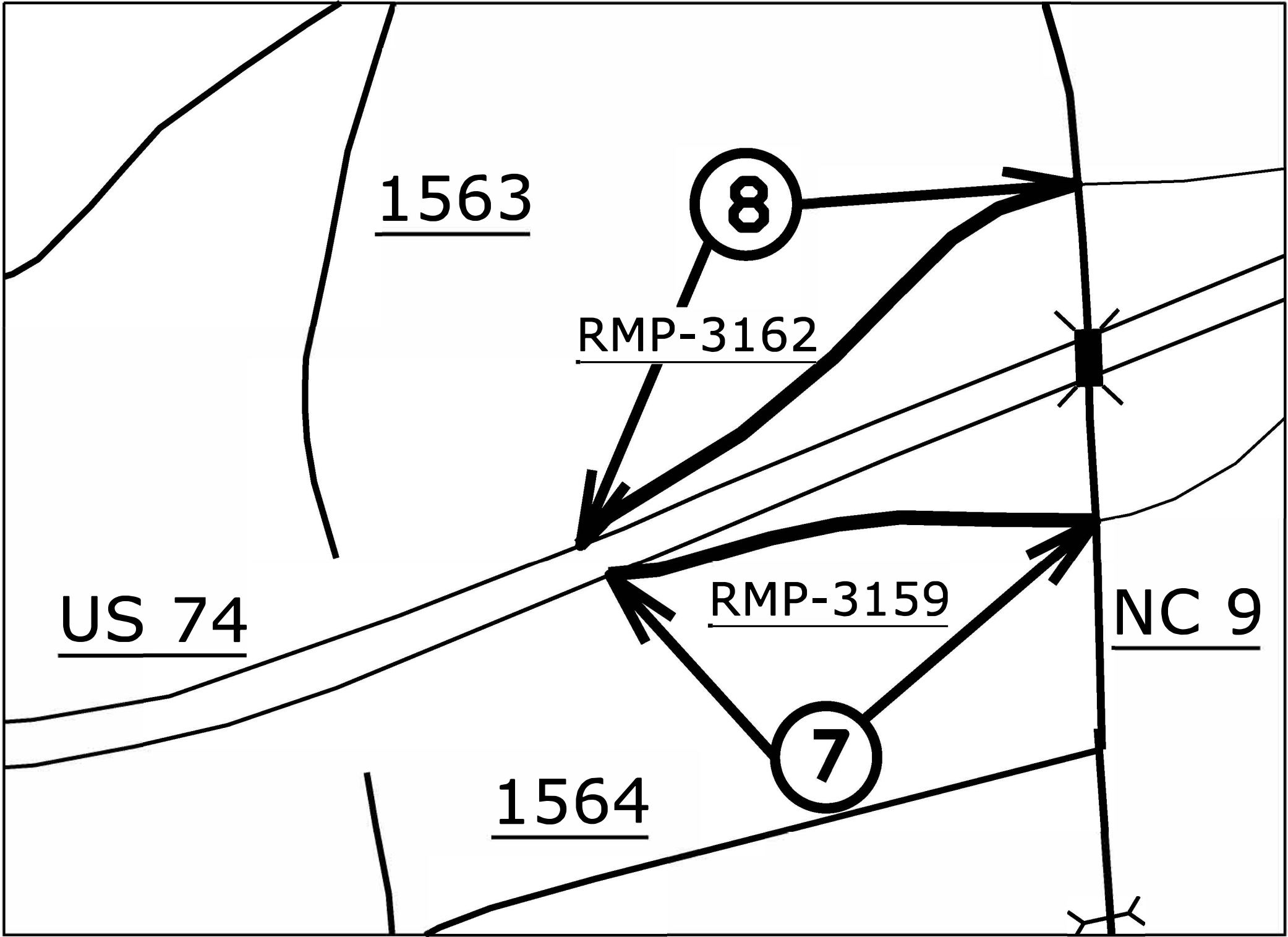
END

CONTRACT:

03/08/99

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.03.10751	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			

POLK COUNTY



MAP 7



BEG



END

MAP 8



BEG



END

CONTRACT:

09/08/09

CONTRACT:

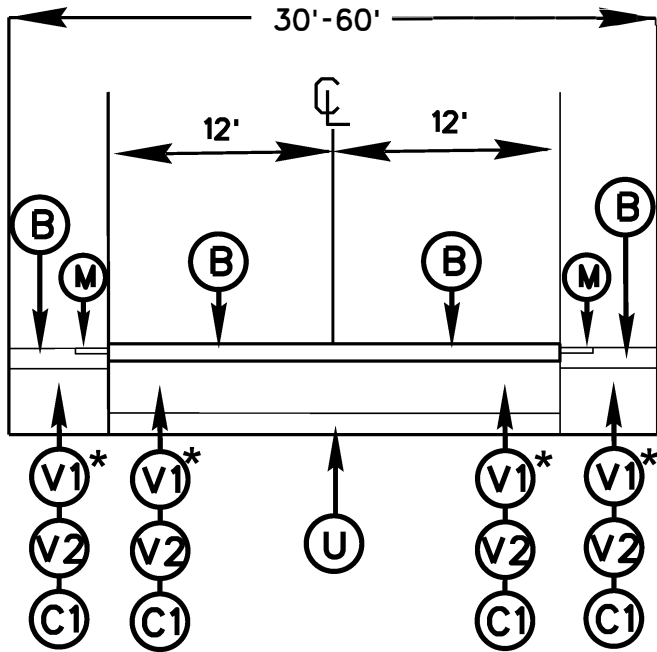
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.03.10751	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			

SURFACING SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AVERAGE RATE OF 168 LBS. PER SQ. YD.
B	PROP. APPROX. 3/4" OPEN-GRADED FRICTION COURSE, TYPE FC-1 MODIFIED AT AVERAGE RATE OF 90 LBS. PER SQ. YD.
M	MILLED RUMBLE STRIPS AS DIRECTED BY PROJECT ENGINEER
U	EXISTING PAVEMENT
V1	MILLED ASPHALT PAVEMENT 3/4" DEPTH IN LOCATIONS AS DIRECTED BY THE PROJECT ENGINEER
V2	MILLED ASPHALT PAVEMENT 1-1/2" DEPTH IN LOCATIONS AS DIRECTED BY PROJECT ENGINEER

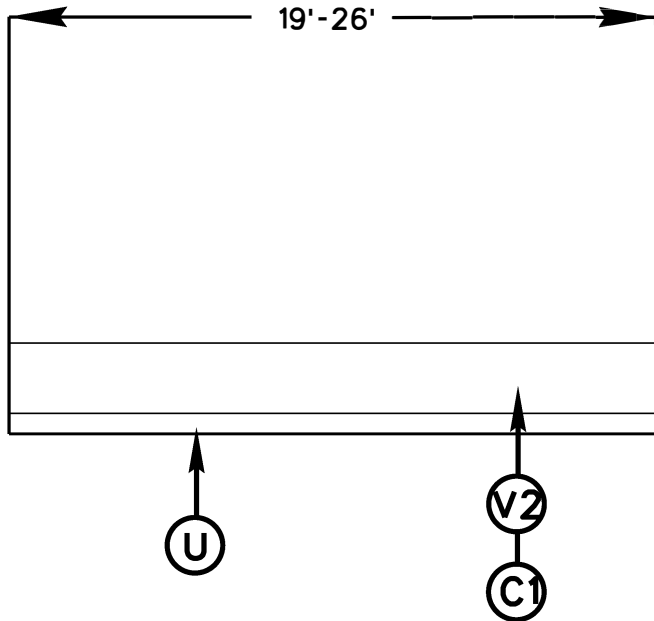
*USED TO REMOVE EXISTING
SURFACE FRICTION COURSE
OR AS DIRECTED BY PROJECT ENGINEER

NOTE
QUANTITIES INCLUDE
ACCELERATION/DECELERATION LANES.

TYPICAL 1

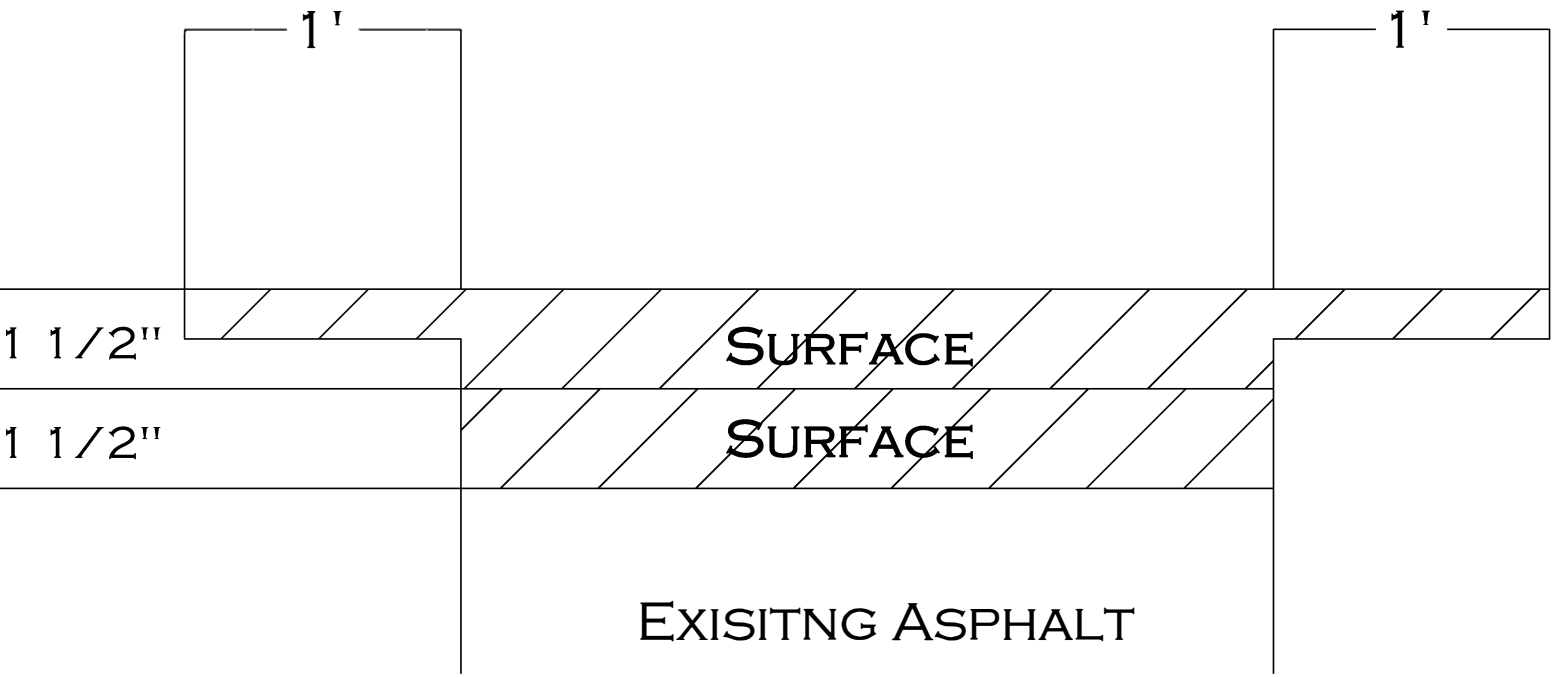


TYPICAL 2



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.03.10751	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			

PATCHING DETAIL



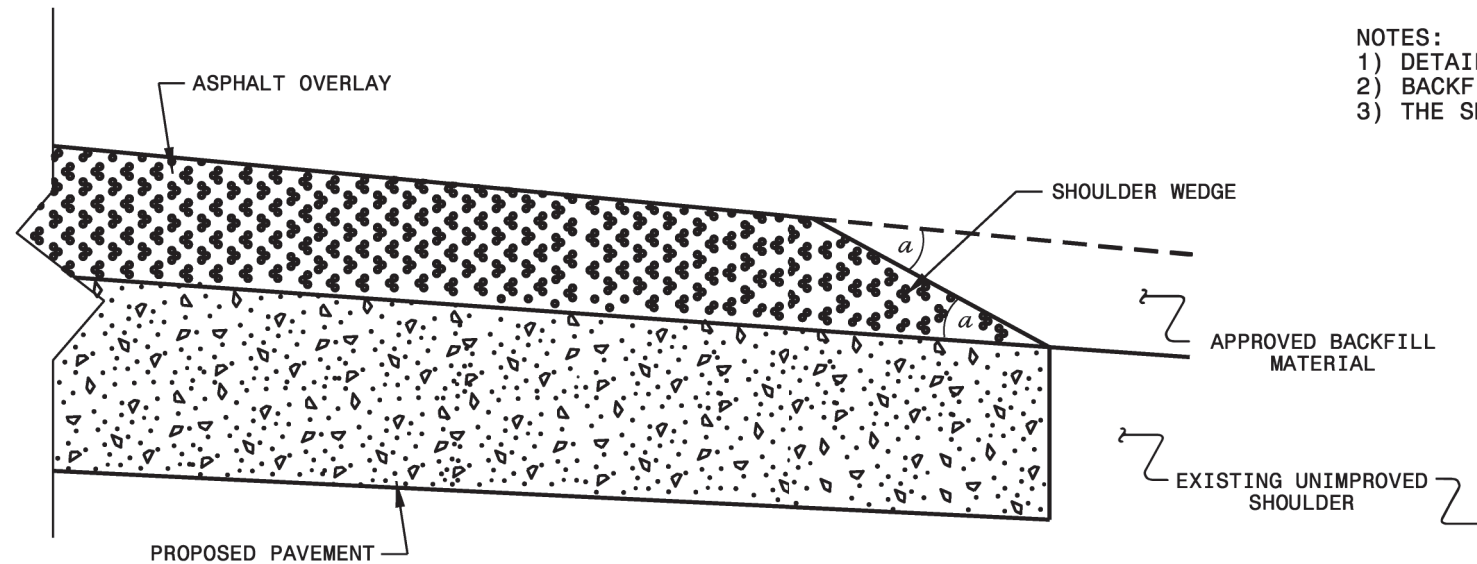
PAVEMENT SCHEDULE

MILLING REQUIRED 3" DEEP
LENGTH AND WIDTH TO BE DETERIMED BY ENGINEER

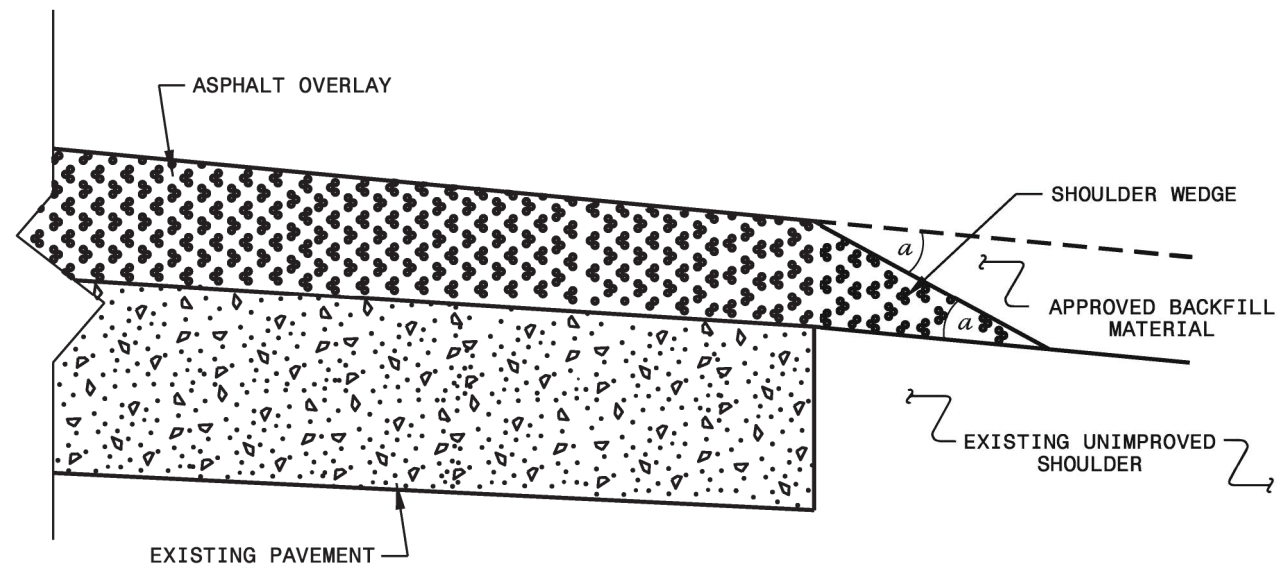
PRIMARY ROUTES - S9.5C
SECONDARY ROUTES - S9.5B

CONTRACT:

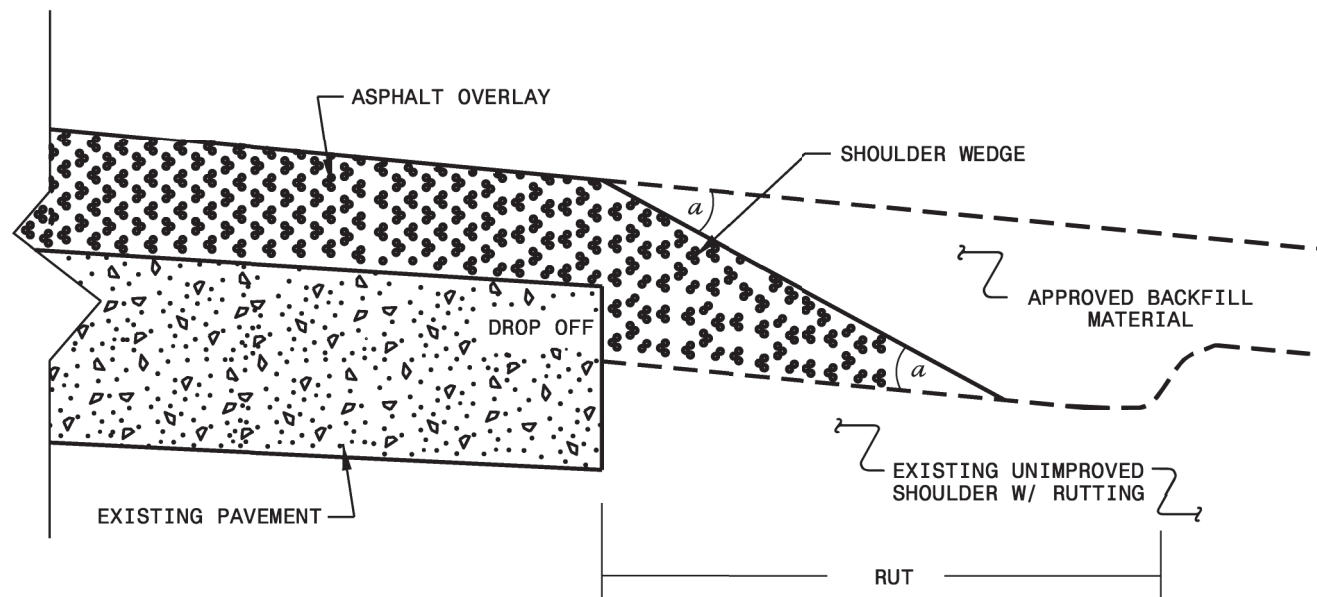
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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

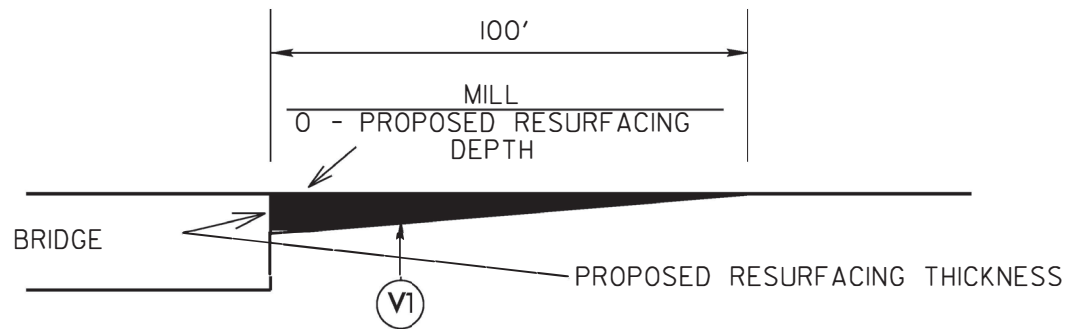
**SHOULDER WEDGE
DETAILS**

ORIGINAL BY: T. SPELL DATE: 7-19-11
MODIFIED BY: DATE: 10/16/12
CHECKED BY: DATE:
FILE SPEC.: s:\usr\det-alls\stand\shoulderwed_detail.dgn

SYSTEMS
DESIGN
CONSULTANTS
INCORPORATED
P.O. BOX 21000
DURHAM, NC 27702
919-286-1000
WWW.SDCS.COM

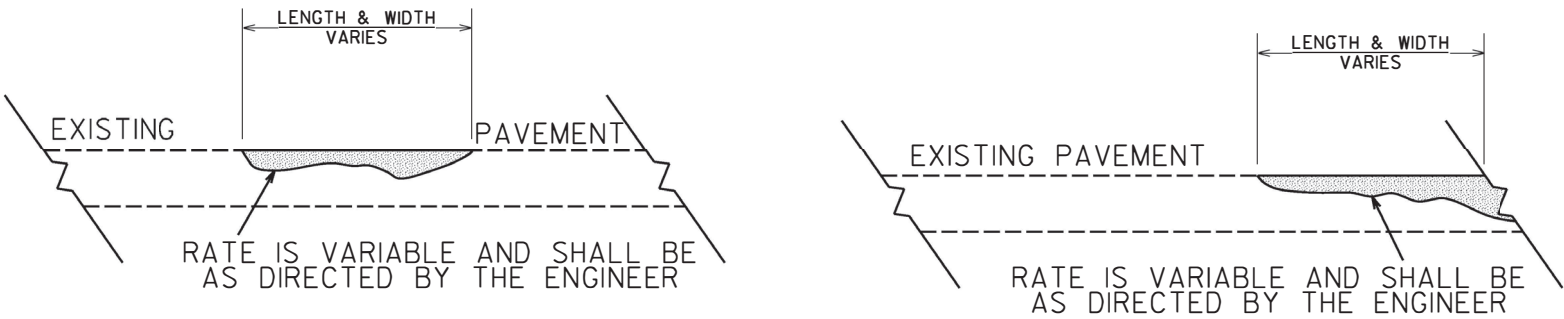
CONTRACT:

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C	2027CPT.14.03.10751	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			



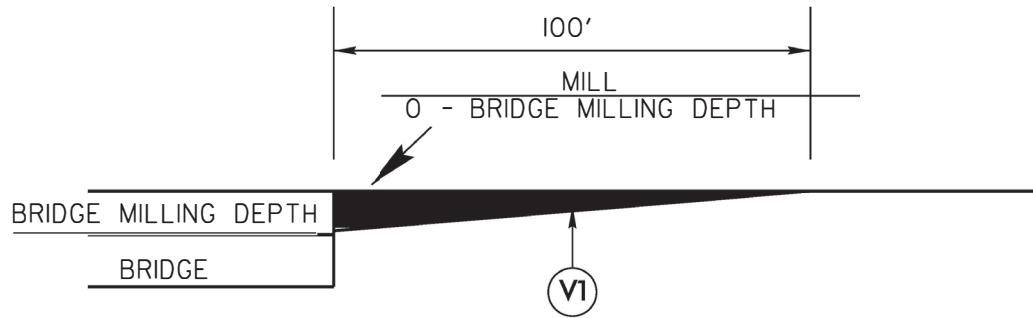
MILLING DETAIL AT BRIDGE APPROACHES

**WHERE BRIDGES WILL NOT BE RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL
MILLING.**



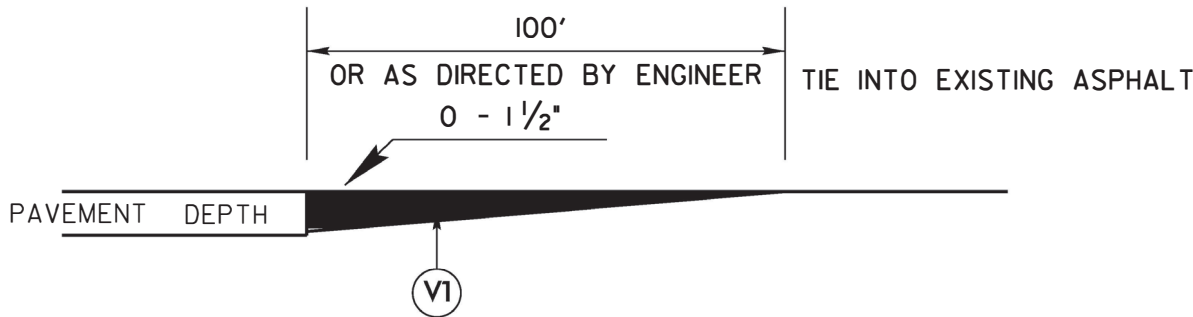
DETAIL SHOWING METHOD OF WEDGING

***PROPOSED WEDGE COURSE* (114 LBS PER SQ YARD PER 1" DEPTH)**



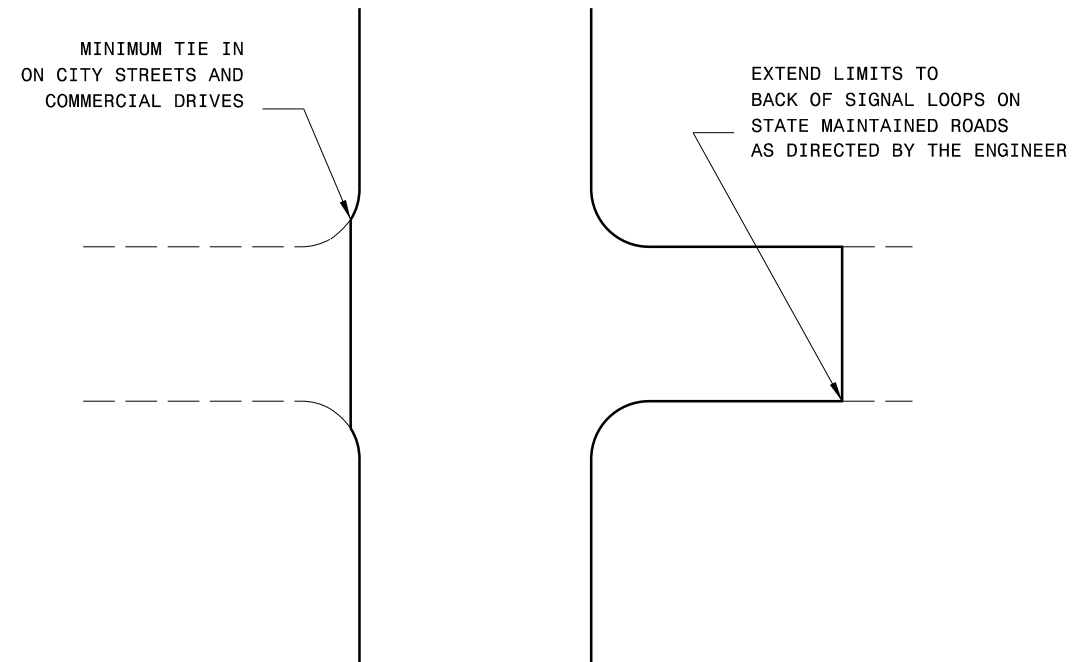
MILLING DETAIL AT BRIDGE APPROACHES

**WHERE BRIDGES WILL BE MILLED THEN RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.**

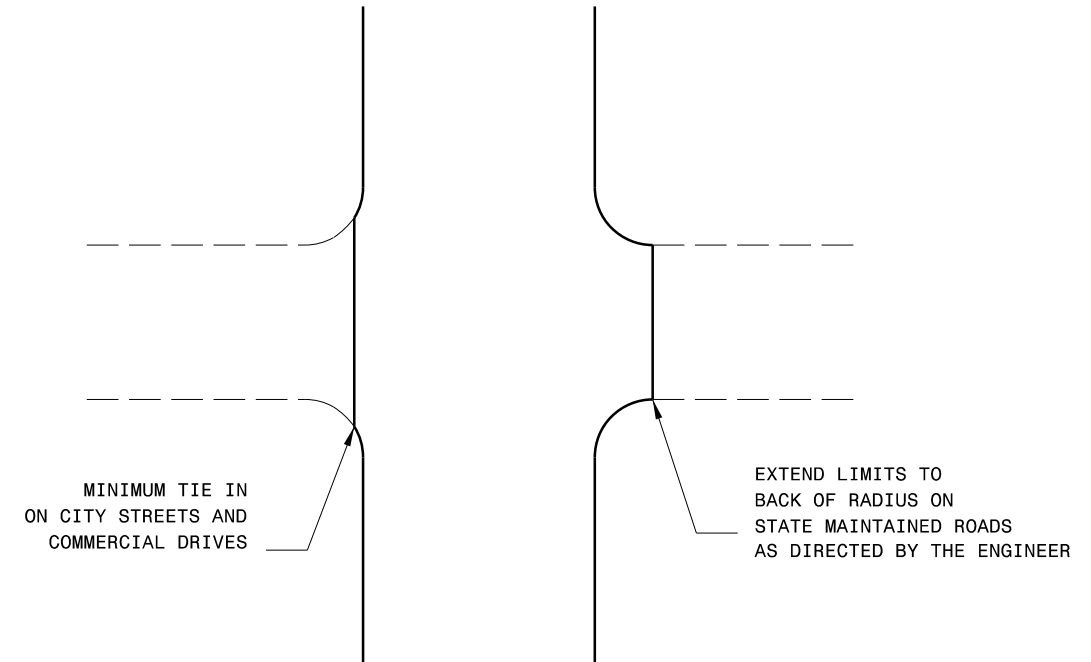


DETAIL TO TIE INTO EXIST PAVEMENT

**THE CONTRACTOR'S ATTENTION IS DIRECTED TO
THE FACT THAT HE WILL BE REQUIRED TO MILL
THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER
TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END
AND Y LINES OF EACH MAP.
THIS WILL BE PAID FOR AS 1 1/2" MILLING.**



TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



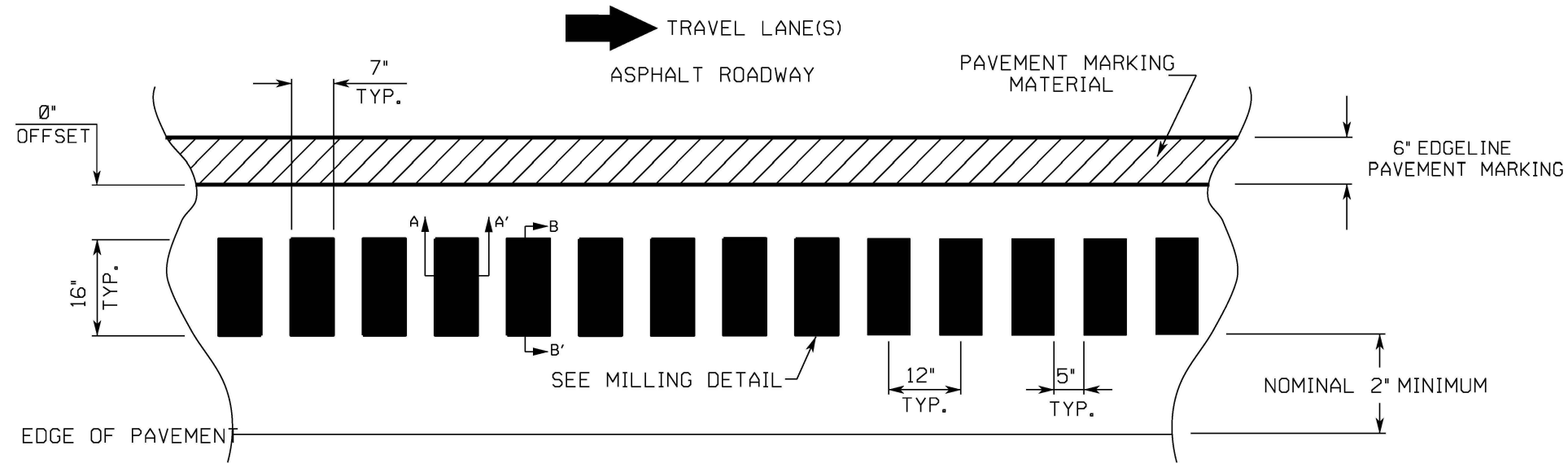
TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)

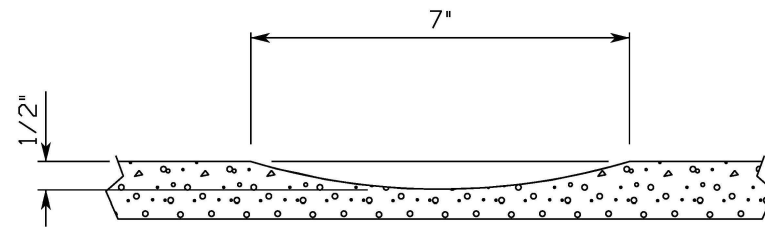
Extend paving limits to back of radius
or loop on the following intersections:

[illegible]

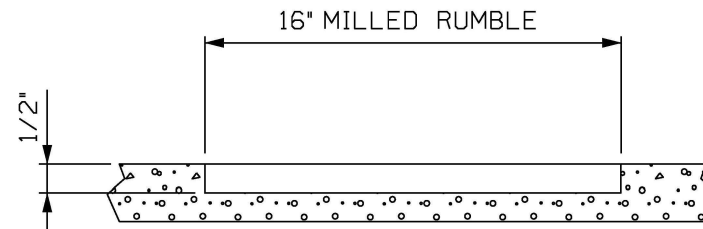
See Table 1 within Rumble Strip
Policy for Design Guidance



MILLING DETAIL:



SECTION A-A'



SECTION B-B'

REFERENCE DRAWING ID: Trad.Strip

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

ROADWAY DETAIL DRAWING FOR
RUMBLE STRIPS / STRIPES
TRADITIONAL SHOULDER RUMBLE STRIP

SHEET 1 OF 9



Signed by:

James Hollingsworth

C4C0E2BDF26C425...
09/14/2026

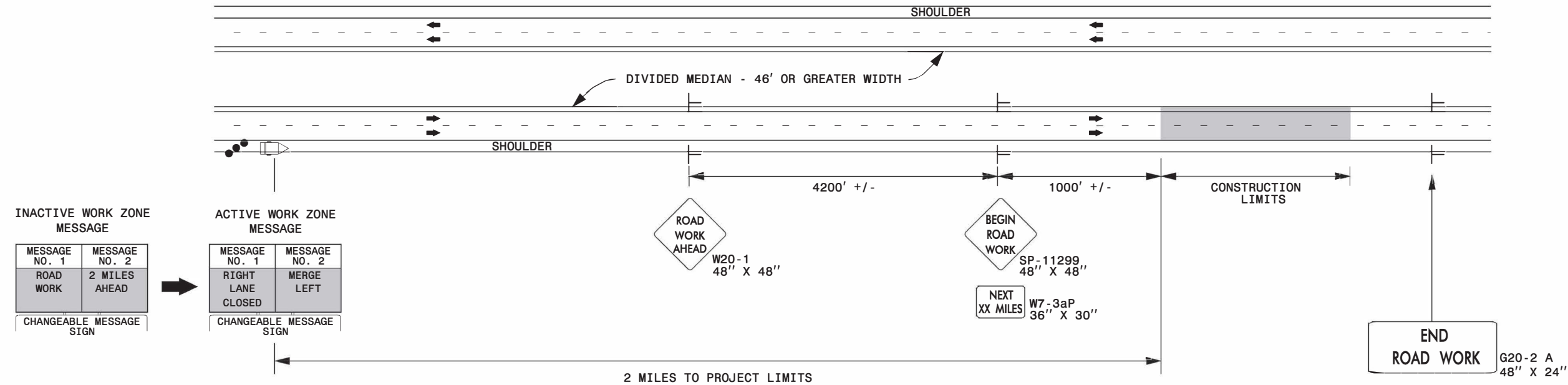
CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-8950 FAX 919-250-4119	
SEE TITLE BLOCK	
ORIGINAL BY: C. SIMPSON	DATE: 04-24-2025
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC:	

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.03.10751	10	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.03.10751			

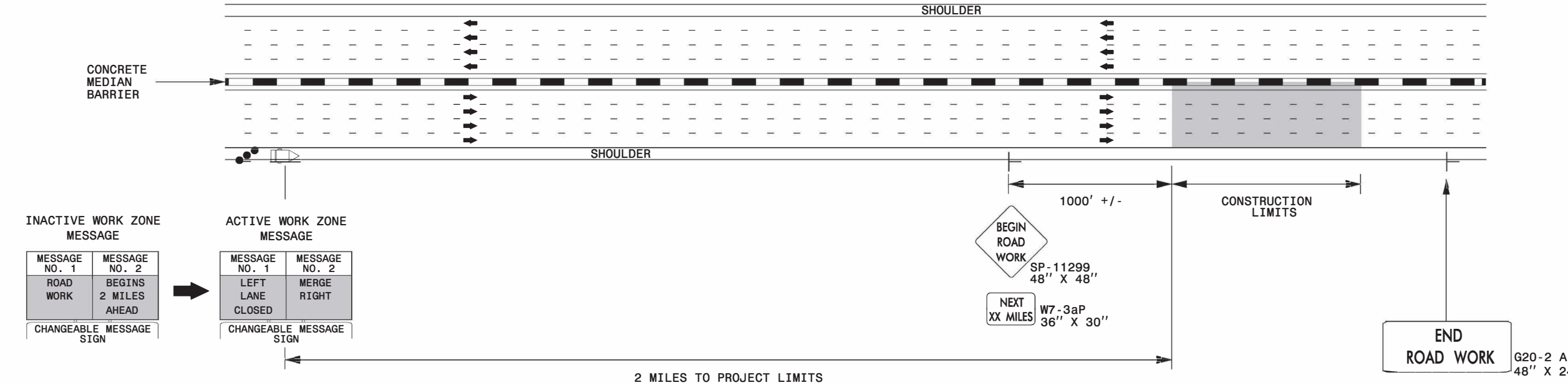
Bridge Structure Table							
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	US-74 E	US Hwy 74 E	Polk	740082	99	99	No
1	US-74 E	US Hwy 74 E	Polk	740039	99	99	No
1	US-74 E	US Hwy 74 E	Polk	740042	99	99	No
1	US-74 E	US Hwy 74 E	Polk	740221	99	99	No
1	US-74 E	US Hwy 74 E	Polk	740219	99	99	No
2	US-74 W	US Hwy 74 W	Polk	740220	99	99	No
2	US-74 W	US Hwy 74 W	Polk	740222	99	99	No
2	US-74 W	US Hwy 74 W	Polk	740046	99	99	No
2	US-74 W	US Hwy 74 W	Polk	740040	99	99	No

CONTRACT:

DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER



DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER



- NOTES:**
- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
 - 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) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
 - 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
 - 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMP 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMP WITHIN THE WORK ZONE.
 - 6) 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 AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

CHANGEABLE MESSAGE SIGN (CMS)

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC DRUM



RESURFACING ADVANCE
WARNING SIGNS FOR
HIGH SPEED FACILITIES
≥ 60 MPH

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.14.03.10751	12	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4400000000-E STATIONARY WORK ZONE SIGN	4423000000-N WORK ZONE DIGITAL SPEED LIMIT SIGNS	4510000000-N LAW ENFORCEMENT	4688000000-E		4700000000-E	4709000000-E	4725000000-E		4815000000-E		4895000000-N
								MI	FT			SF	EA	HR	LF	LF	LF	LF	EA	EA	LF	LF	EA
2027CPT.14.03.10751	Polk	1	US-74 E	FROM PVMNT CHANGE TO NC-9 OVERPASS	1	2	MU	6.25	30	8.21	14.46	304	8	783.00	41,250	33,000	1,665				41,250	33,000	425.00
TOTAL FOR MAP NO. 1								6.25				304	8	783	41,250	33,000	1,665				41,250	33,000	425.00
2027CPT.14.03.10751	Polk	2	US-74 W	NC 9 OVERPASS TO I-26 MERGE RAMP	1	2	MU	6.33	30	6.03	12.36				41,779	33,423	1,632		3		43,411	33,423	427.00
TOTAL FOR MAP NO. 2								6.33							41,779	33,423	1,632		3		43,411	33,423	427.00
2027CPT.14.03.10751	Polk	3	RMP-3155 Oi	EB OFF AT EXIT 163	2	2	MU	0.18	26	0	0.18				1,000	960			1				12.00
TOTAL FOR MAP NO. 3								0.18							1,000	960			1				12
2027CPT.14.03.10751	Polk	4	RMP-3156 Oi	EB ON AT EXIT 163	2	2	MU	0.26	21	0	0.26				1,400	1,400							
TOTAL FOR MAP NO. 4								0.26							1,400	1,400							
2027CPT.14.03.10751	Polk	5	RMP-3157 Oi	WB OFF AT EXIT 163	2	2	MU	0.24	22	0	0.24				1,268	1,268			1				
TOTAL FOR MAP NO. 5								0.24							1,268	1,268			1				
2027CPT.14.03.10751	Polk	6	RMP-3158 Oi	WB ON AT EXIT 163	2	2	MU	0.26	25	0	0.26				1,375	1,375							
TOTAL FOR MAP NO. 6								0.26							1,375	1,375							
2027CPT.14.03.10751	Polk	7	RMP-3159 Oi	EB OFF AT EXIT 167	2	2	MD	0.2	21	0	0.2				1,100	1,100		100	1				
TOTAL FOR MAP NO. 7								0.2							1,100	1,100		100	1				
2027CPT.14.03.10751	Polk	8	RMP-3162 Oi	WB ON AT EXIT 167	2	2	MU	0.25	19	0	0.25				1,330	1,330							
TOTAL FOR MAP NO. 8								0.25							1,330	1,330							
TOTAL FOR PROJ NO. 2027CPT.14.03.10751								13.97				304	8	783.00	90,502	73,856	3,297	100	3	3	84,661.00	66,423.00	864
															164,358				6		151,084.00		
GRAND TOTAL								13.97				304	8	783.00	90,502	73,856	3,297	100	3	3	84,661.00	66,423.00	864
															164,358				6		151,084		