

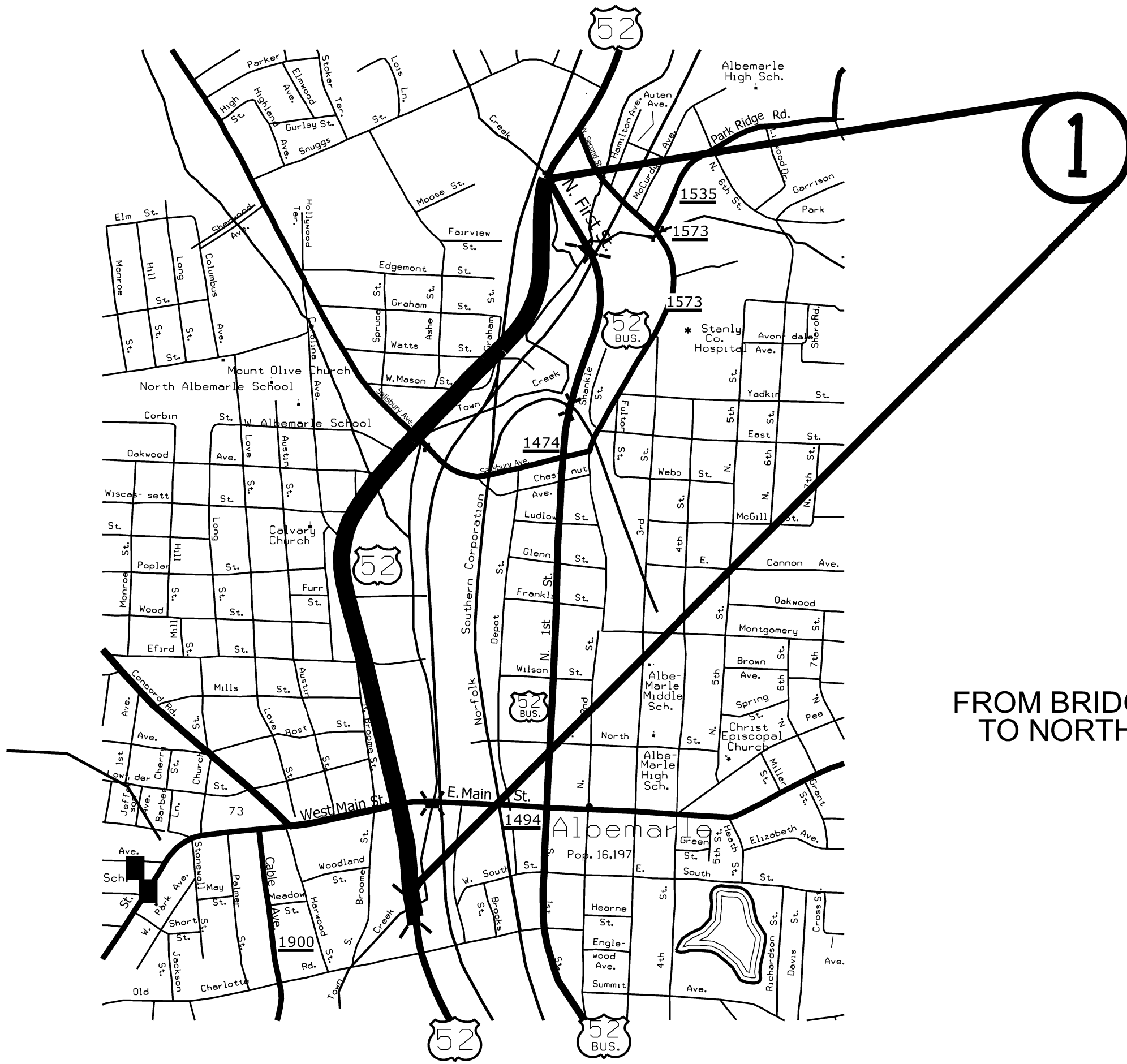
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.18.10841	1	
F.A. PROJECT NO.			

2021CPT.10.18.10841

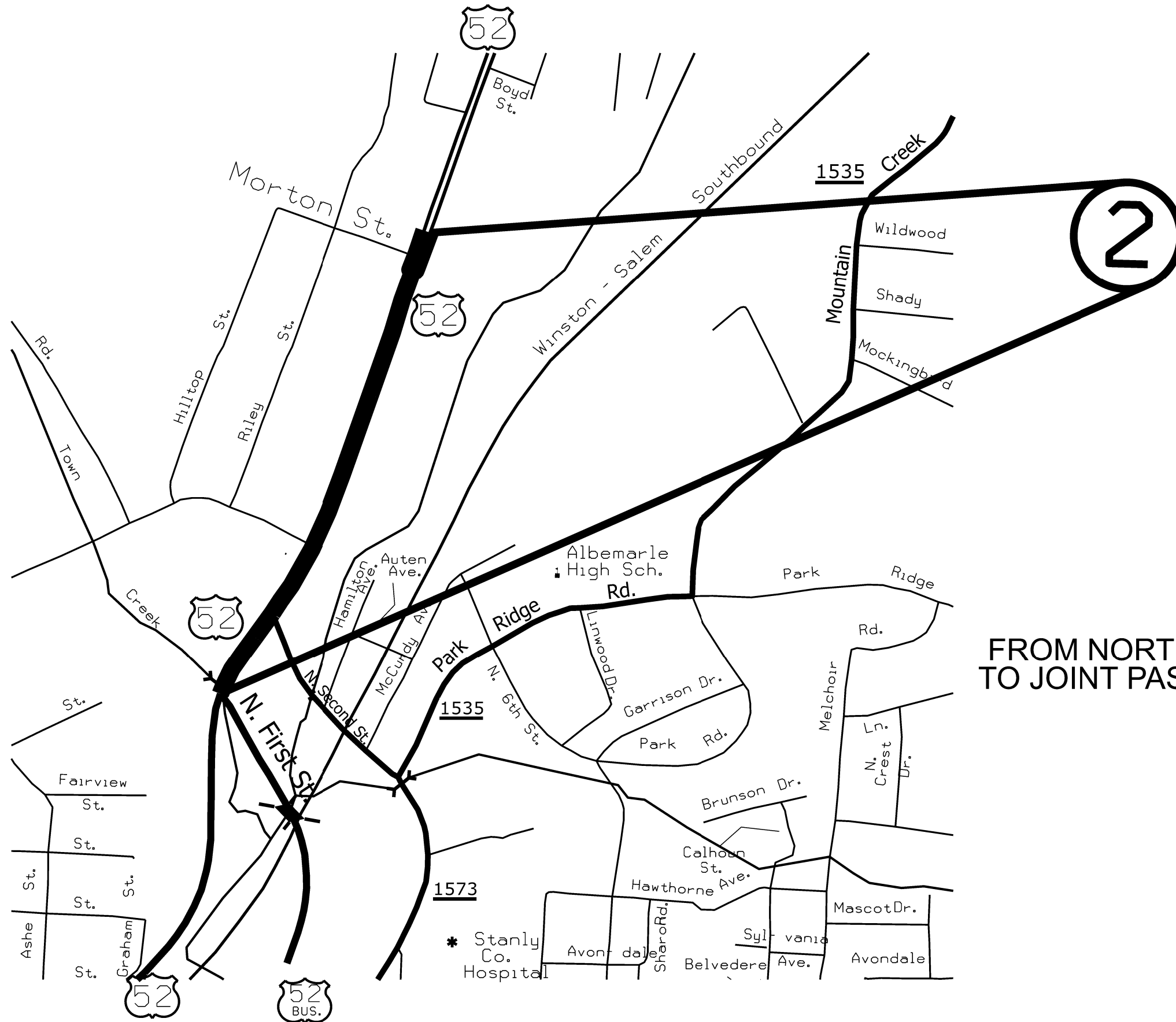


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**STANLY COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

**MAP #1**  
**US 52 1.66 MILES**  
**FROM BRIDGE OVER LITTLE LONG CREEK (MP 13.08)**  
**TO NORTH FIRST STREET (US 52 BUS.) (MP 14.74)**



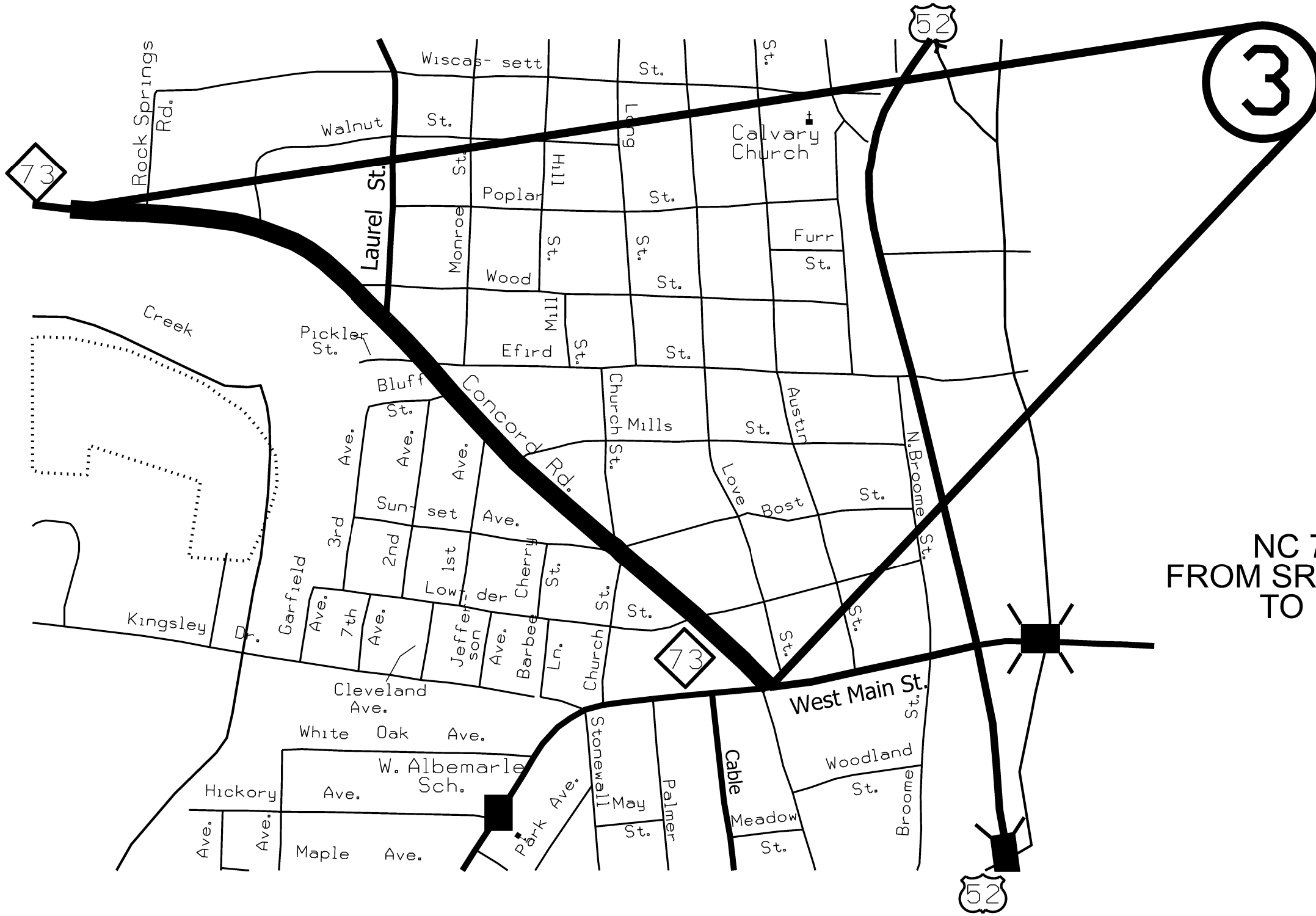
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.18.10841	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**STANLY COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

**MAP #2**  
**US 52 0.63 MILES**  
**FROM NORTH FIRST STREET (US 52 BUS.) (MP 14.74)**  
**TO JOINT PAST SR 1259 (MORTON STREET) (MP 15.37)**

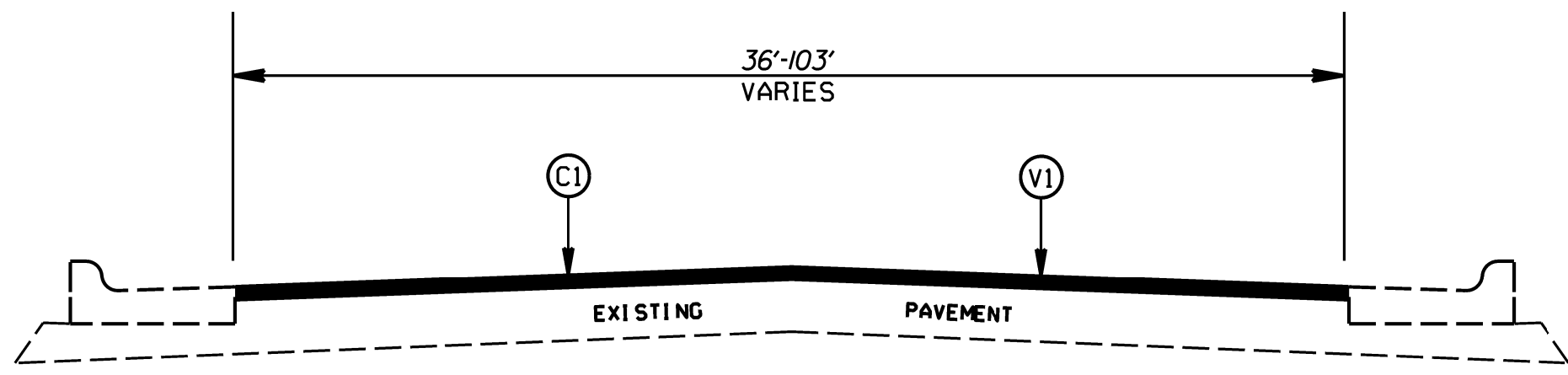
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N.C.	2021CPT.10.18.10841	3	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**STANLY COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

**MAP #3**  
 NC 73 (CONCORD RD.) 0.91 MILES  
 FROM SR 1274 (WEST MAIN STREET) (MP 9.96)  
 TO END CURB & GUTTER (MP 9.05)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.18.10841	4	
F.A. PROJECT NO.			




TYPICAL SECTION NO. 1

- MAP 1 - US 52
- MAP 2 - US 52
- MAP 3 - NC 73

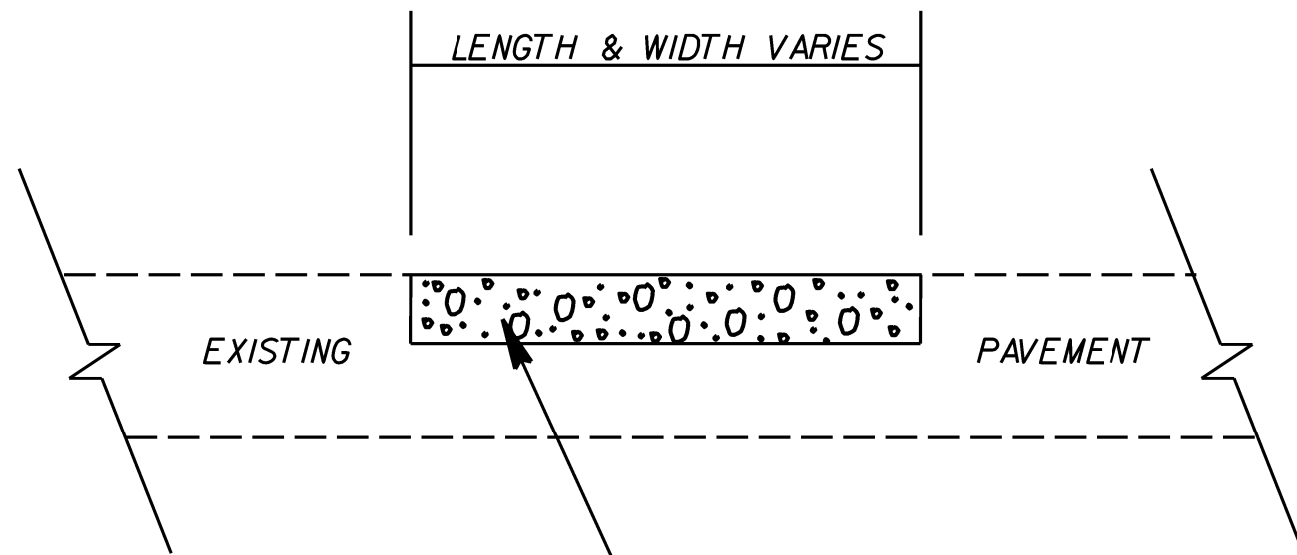
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YDS.
V1	MILLING OF EXISTING PAVEMENT, 1.50"

**STANLY COUNTY  
RESURFACING SPRING 2021**

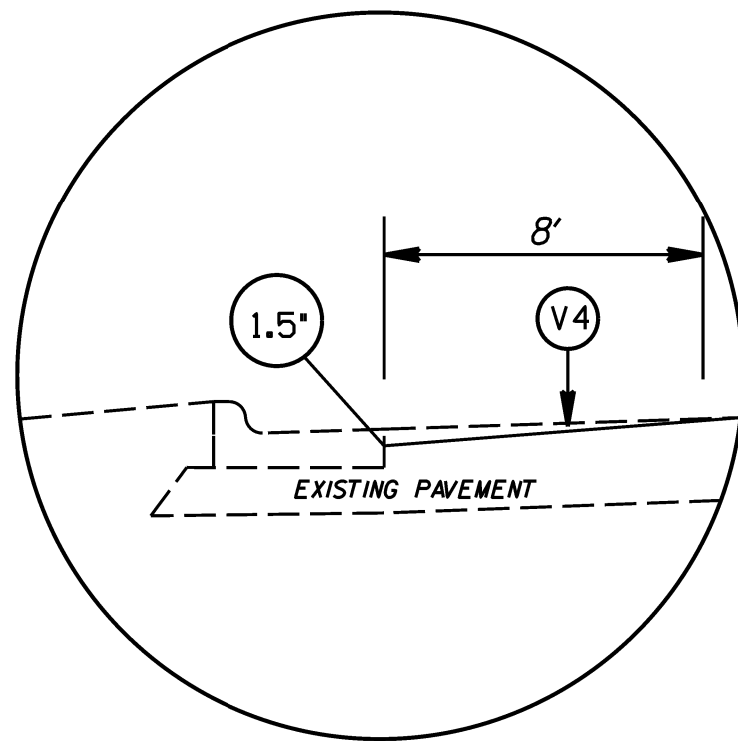
SCALE	NA		REVISIONS
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB		

NOTES:  
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

PAVEMENT REPAIR DETAIL



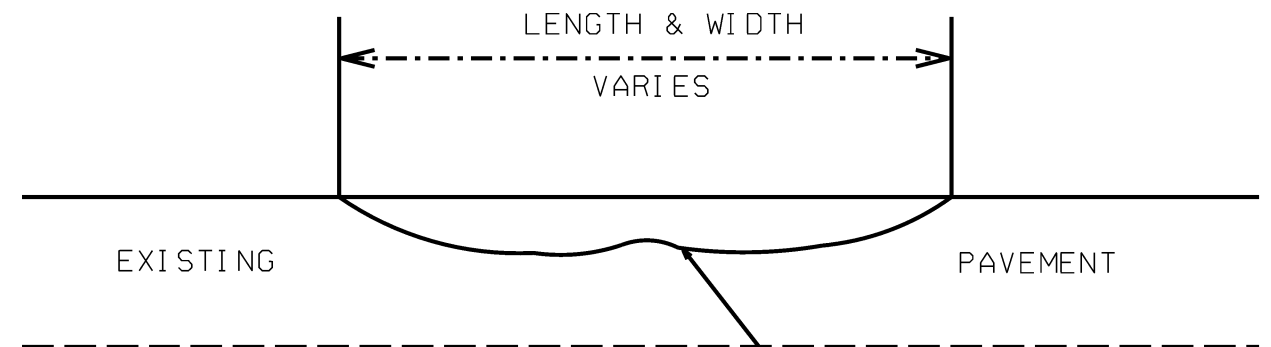
RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED.



DETAIL FOR PROFILE MILLING (0" TO 1.5")

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.18.10841	5	
F.A. PROJECT NO.			

TYPE S9.5B OR S9.5C (LEVELING COURSE)



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER

PATCHING, LEVELING, PROFILE MILLING DETAILS

SCALE	NA		REVISIONS
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB		

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.10.18.10841	6	8

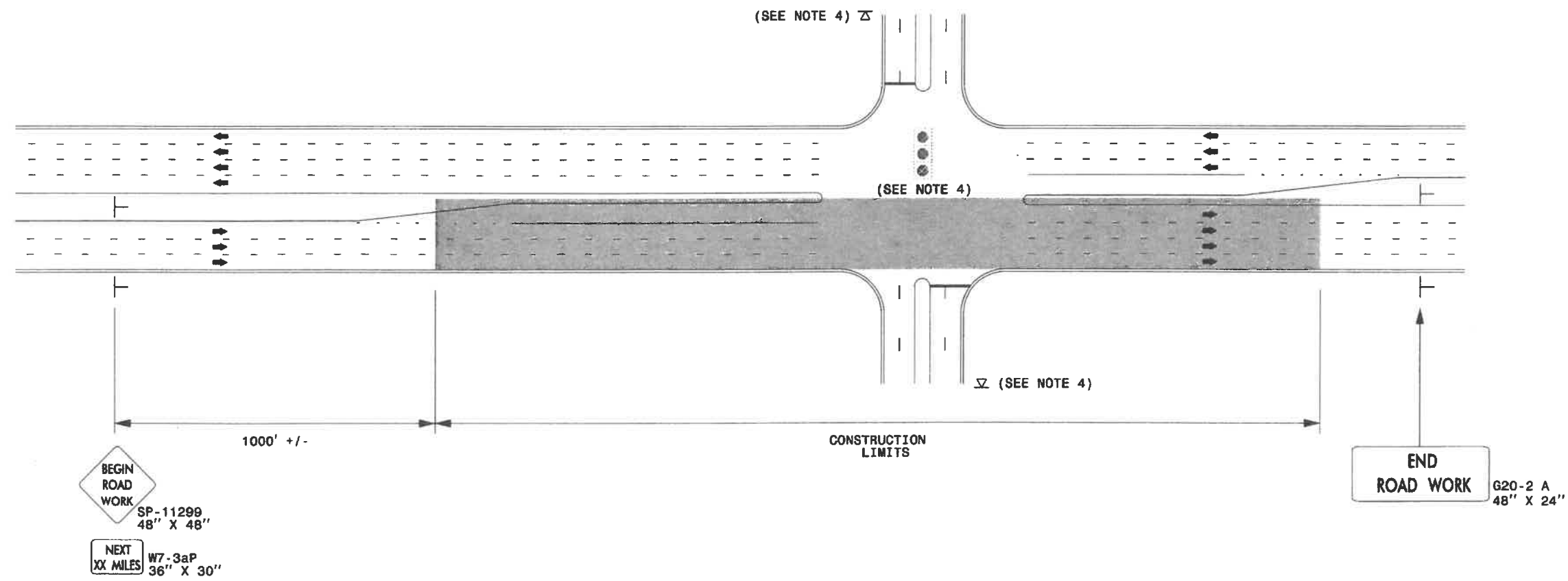
### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1297000000-E	1330000000-E	1523000000-E	1575000000-E	1704000000-E	2830000000-N	2845000000-N	5255000000-N	4413000000-E	4447000000-N	4457000000-N	4510000000-N			
												1 1/2" MILLING	INCIDENTAL MILLING	SURFACE COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	PEDESTRIAN CHANNELIZING DEVICE	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT			
												MI	FT	SY	SY	TONS	TONS	TONS	EA	EA	LS	SF	LF	LS	HR	
2021CPT.10.18.10841	Stanly	1	US 52	FROM BRIDGE OVER LITTLE LONG CREEK (MP 13.08) TO NORTH FIRST STREET (US 52 BUSINESS) (MP 14.74)	1	4		NO	NO	1.66	45	48,600	3,150	4,875	293	600	4	1	0.70	126.0			0.55	80		
TOTAL FOR MAP NO. 1												1.66		48,600	3,150	4,875	293	600	4	1	0.70	126.0			0.55	80
2021CPT.10.18.10841	Stanly	2	US 52	FROM NORTH FIRST STREET (US 52 BUSINESS) (MP 14.74) TO PAVEMENT JOINT NEAR SR 1259 (MORTON STREET) (MP 15.37)	1	4		NO	NO	0.63	52	21,600	1,380	2,200	132	250	11	7	0.30	126.0			0.20	80		
TOTAL FOR MAP NO. 2												0.63		21,600	1,380	2,200	132	250	11	7	0.30	126			0.20	80
2021CPT.10.18.10841	Stanly	3	NC 73 (CONCORD ROAD)	FROM SR 1274 (WEST MAIN STREET) (MP 9.96) TO END CURB & GUTTER (MP 9.05)	1	2		NO	NO	0.91	36	19,300	165	1,950	117	410	3	4					0.25	40		
TOTAL FOR MAP NO. 3												0.91		19,300	165	1,950	117	410	3	4	0.00				0	40
TOTAL FOR PROJ NO. 2021CPT.10.18.10841												3.2		89,500	4,695	9,025	542	1,260	18	12	1.00	252	32	1	200	
GRAND TOTAL												3.2		89,500	4,695	9,025	542	1,260	18	12	1.00	252	32	1	200	

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4685000000-E		4695000000-E		4700000000-E		4725000000-E				4810000000-E		4835000000-E	4891000000-E	4892000000-N	4895000000-N	
										4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	4" YELLOW PAINT	4" WHITE PAINT	24" WHITE PAINT	24" X 90 M WHITE THERMO	THERMO SYMBOLS (24" YIELD, WHITE 90 M)	NON CAST IRON SNOWPLOWABLE PAVEMENT MARKER		
										MI	FT	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	LF	EA	EA		
2021CPT.10.18.10841	Stanly	1	US 52	FROM BRIDGE OVER LITTLE LONG CREEK (MP 13.08) TO NORTH FIRST STREET (US 52 BUSINESS) (MP 14.74)	1	4		1.66	45	6,200	19,900	1,100		270	17	4	1	4	17,000	5,400	250	575	25	480		
TOTAL FOR MAP NO. 1										1.66		6,200	19,900	1,100	270	17	4	1	4	17,000	5,400	250	575	25	480	
2021CPT.10.18.10841	Stanly	2	US 52	FROM NORTH FIRST STREET (US 52 BUSINESS) (MP 14.74) TO PAVEMENT JOINT NEAR SR 1259 (MORTON STREET) (MP 15.37)	1	4		0.63	52	3,250	8,100			180	23	3			8,000	2,400	243	250		210		
TOTAL FOR MAP NO. 2										0.63		3,250	8,100		180	23	3		8,000	2,400	243	250		210		
2021CPT.10.18.10841	Stanly	3	NC 73 (CONCORD ROAD)	FROM SR 1274 (WEST MAIN STREET) (MP 9.96) TO END CURB & GUTTER (MP 9.05)	1	2		0.91	36	965	10,200	125	88		13				10,200	965		135		138		
TOTAL FOR MAP NO. 3										0.91		965	10,200	125	88	13			10,200	965		135		138		
TOTAL FOR PROJ NO. 2021CPT.10.18.10841										3.20		10,415	38,200	1,225	88	450	53	7	1	4	35,200	8,765	493	960	25	828
GRAND TOTAL										3.20		10,415	38,200	1,225	88	450	53	7	1	4	35,200	8,765	493	960	25	828

## URBAN / SUBURBAN WORKZONES



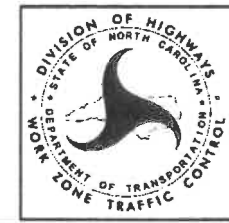
### NOTES:

- 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" WB-8, "UNEVEN LANES" WB-11, "GROOVED PAVEMENT" WB-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



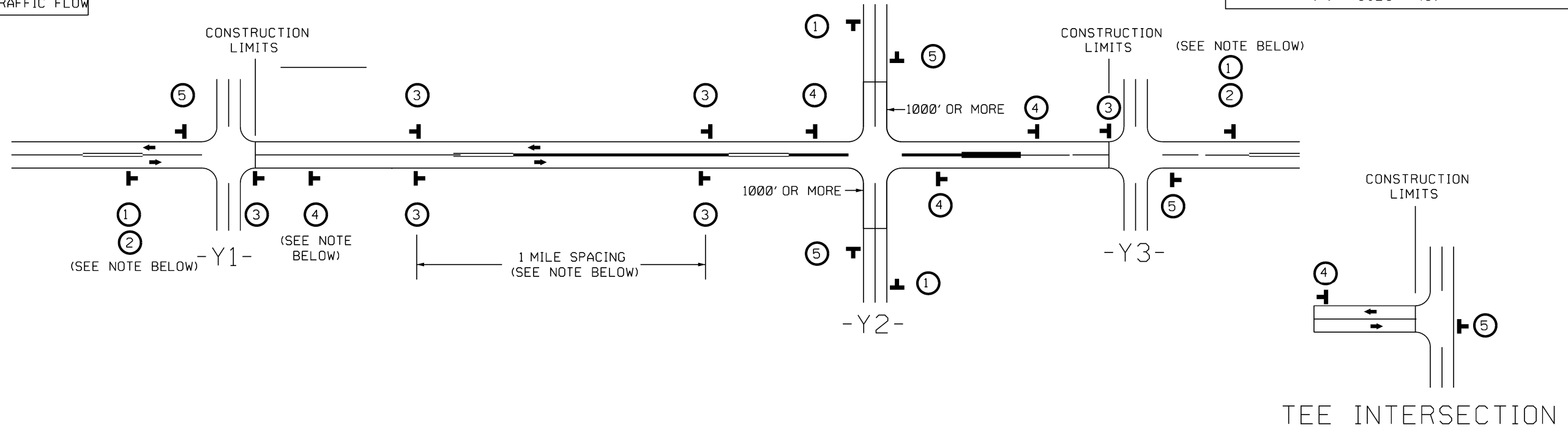
**RESURFACING ADVANCE  
WARNING SIGNS FOR  
URBAN / SUBURBAN  
FACILITIES**

2021 CPT. 10.18.10841 - 7  
 DATE: 10/18/2021  
 BY: [unreadable]

# SIGNING FOR RESURFACING PROJECTS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.18.10841	8	
F.A. PROJECT NO.			

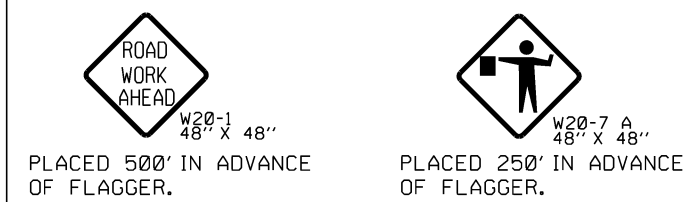
LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

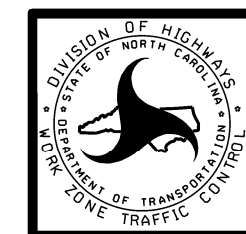
SIGNING NOTES AND PLACEMENT PER DIRECTION	1	2	3	4	5	
	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	*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)		- 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.		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.	



MAPS LESS THAN 2 MILES

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.

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