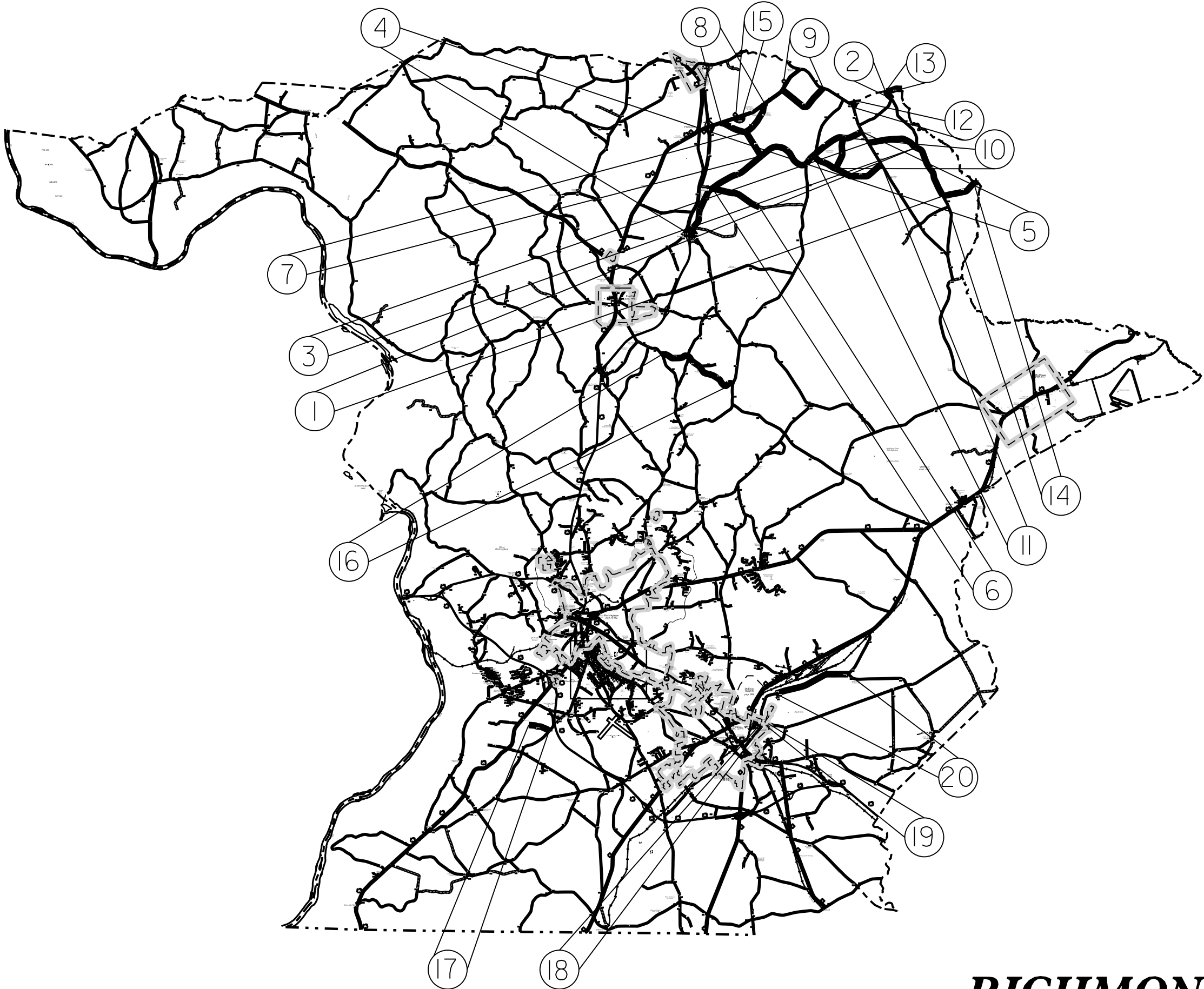
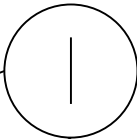
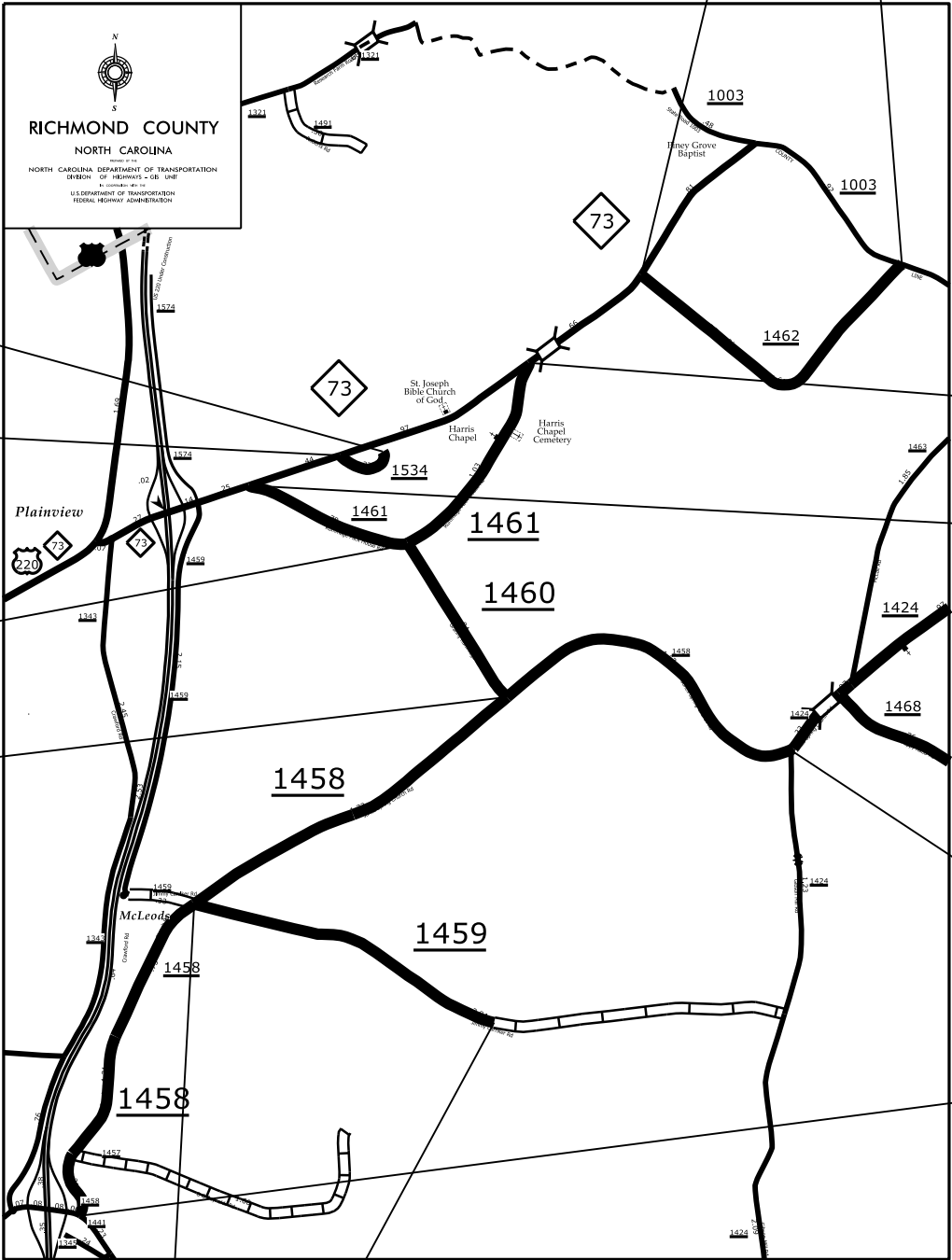
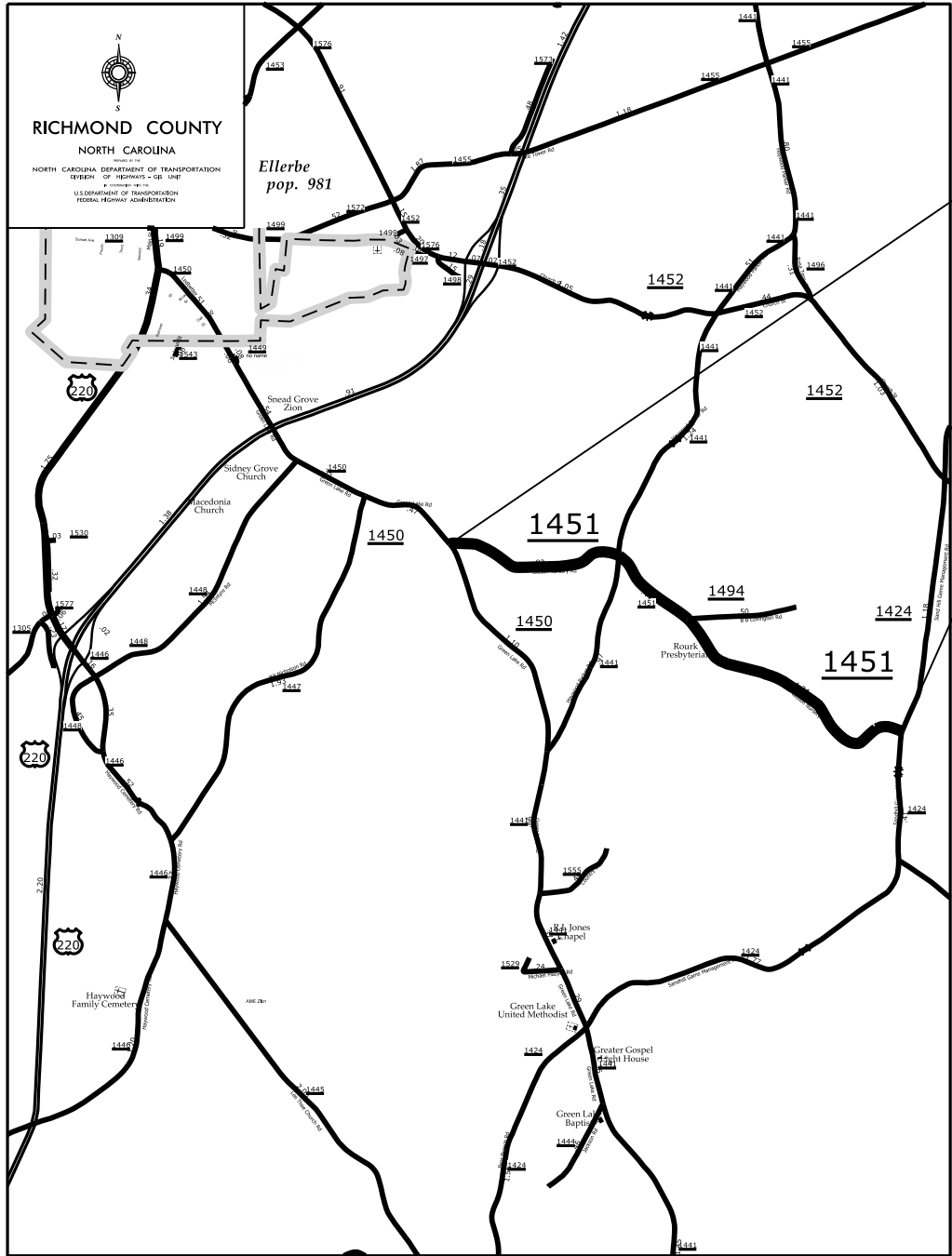


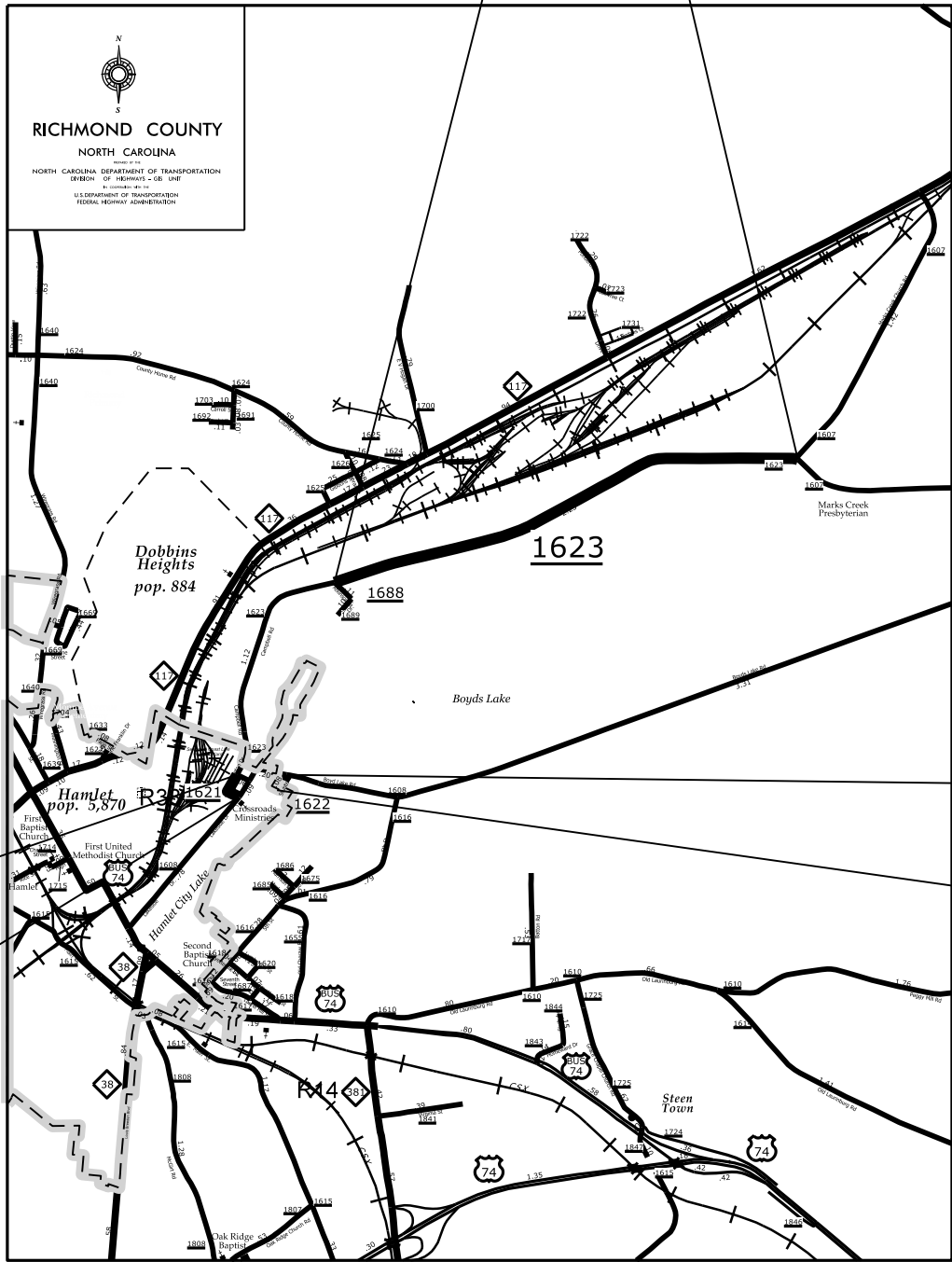
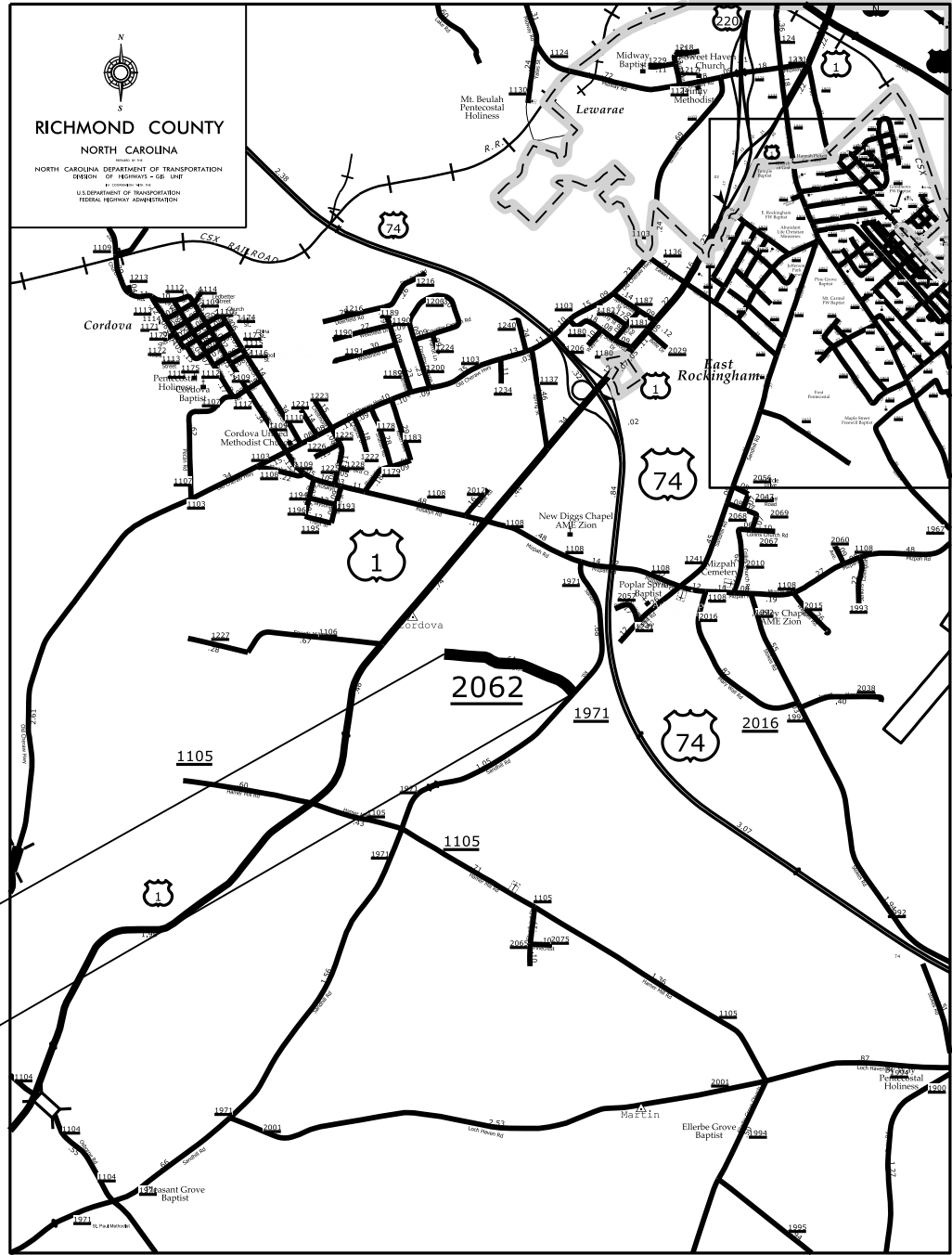
WBS ELEMENT	SHEET NO.
8SP.20775.1	1

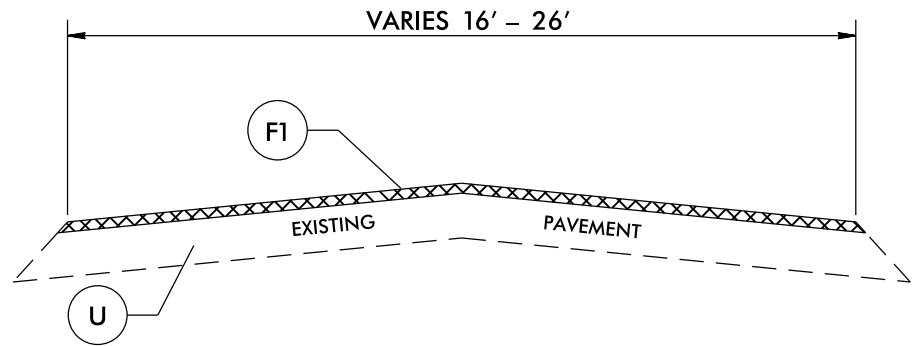


RICHMOND COUNTY

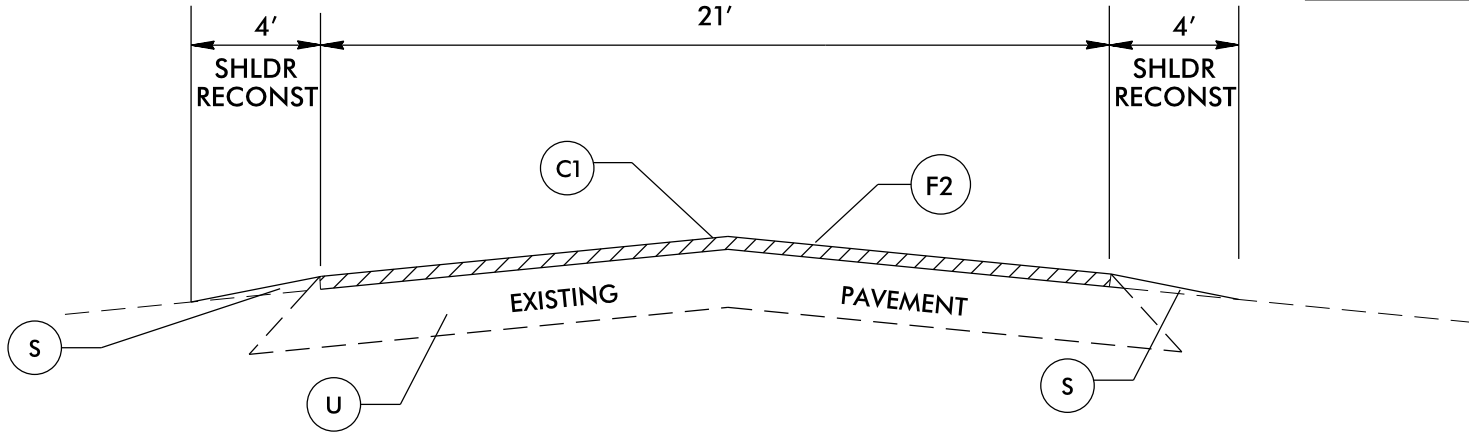




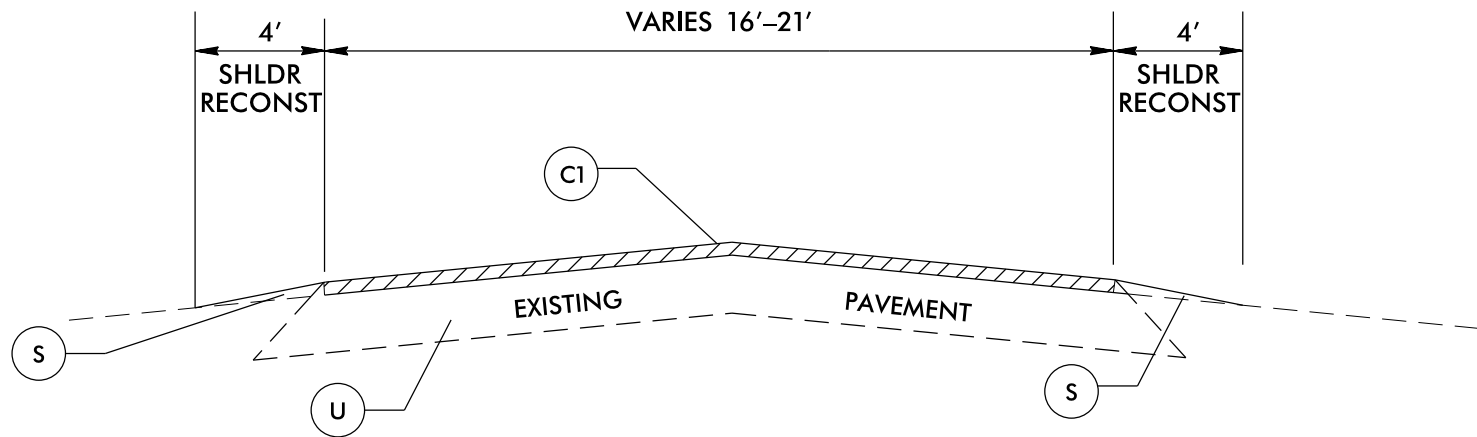




TYPICAL SECTION NO. 1



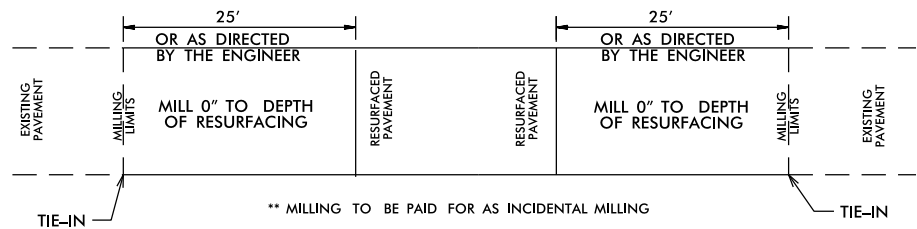
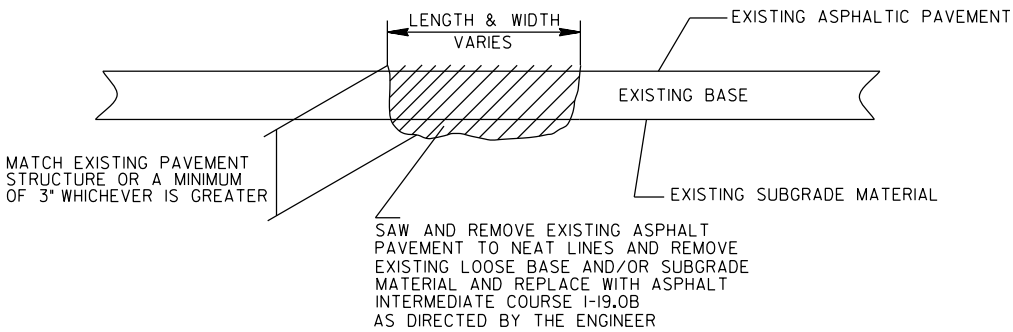
TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING /SURFACE TREATMENT

DETAIL



PAVEMENT TIE-IN DETAIL

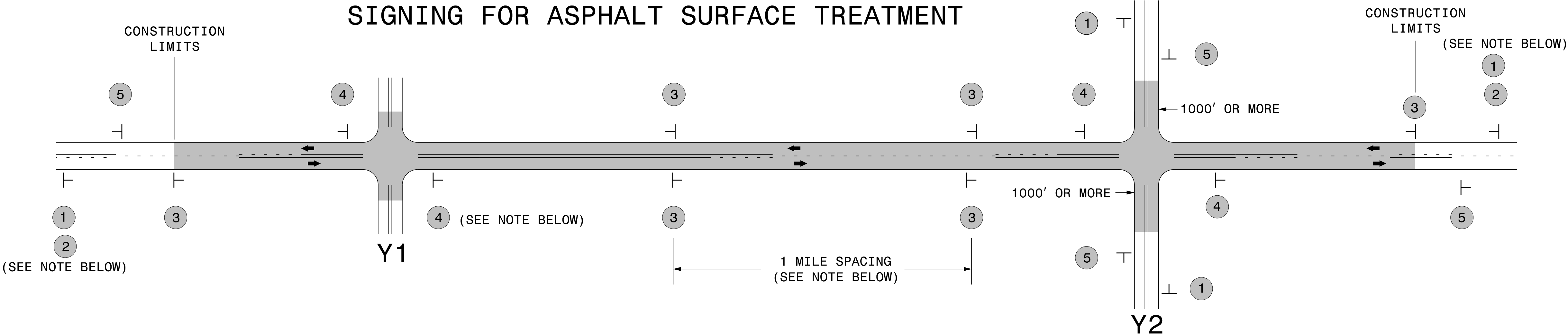
PAVEMENT SCHEDULE

	PAVEMENT SCHEDULE
C1	PROP. APPROX. $\frac{3}{4}$ " ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 75 LBS. PER SQ. YD.
F1	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	PROP. ASPHALT SURFACE TREATMENT, SINGLE SEAL
S	AGGREGATE SHOULDER BORROW (ASB)
U	EXISTING PAVEMENT.

PROJECT NO.	SHEET NO.	TOTAL NO.
8SP.20775.1	6	

SUMMARY OF QUANTITIES

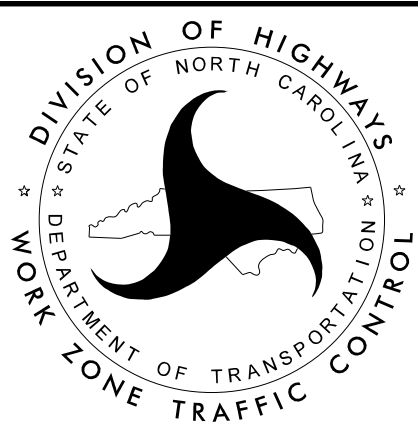
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PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	GENERIC GRADING ITEM - AGGREGATE SHOULDER BORROW TON	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, SINGLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	BLOTTING SAND	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS
NO		NO			NO			MI	FT		SMI	SY	TONS	TONS	TONS	SY	SY	GAL	TON	SF	LS	LF	LF	EA
8SP.20775.1	Richmond	1	SR 1465 (SYCAMORE LN)	FROM SR 1471 (PATTERSON RD) TO SR 1466 (SYCAMORE LN)	1	2	2WD	1.69	21							21,658.00		11,912		190		35,648	31,334	112
TOTAL FOR MAP NO. 1								1.69								21,658.00		11,912		190		35,648	31,334	112
8SP.20775.1	Richmond	2	SR 1465 (CEDAR LANE RD)	FROM BEG. OF PVMT. NEAR SR 1464 (CURRIE RD) TO MONT. CO. LINE	1	2	2WD	0.3	21							4,486.00		2,468		34		6,508	5,724	21
TOTAL FOR MAP NO. 2								0.3								4,486.00		2,468		34		6,508	5,724	21
8SP.20775.1	Richmond	3	SR 1466 (SYCAMORE LN)	FROM SR 1465 (CEDAR LANE RD) TO SR 1003 (DERBY RD)	2	2	2WD	1.47	21	545.00	2.94	120	750	51	100		18,158.00	6,356		165		31,128	26,462	99
TOTAL FOR MAP NO. 3								1.47		545.00	2.94	120	750	51	100		18,158.00	6,356		165		31,128	26,462	99
8SP.20775.1	Richmond	4	SR 1458 (JONES SPRINGS CH. RD)	SR 1424 (JONES SPRING CH. RD) TO 1441 (HAYWOOD PARKER RD)	1	2	2WD	4.92	18							56,548.00		31,102		552		103,846	88,426	332
TOTAL FOR MAP NO. 4								4.92								56,548.00		31,102		552		103,846	88,426	332
8SP.20775.1	Richmond	5	SR 1424 (JONES SPRING CH. RD)	FROM SR 1003 (DERBY RD) TO SR 1458 (JONES SPRING CH. RD)	1	2	2WD	1.97	18							23,265.00		12,796		221		42,366	40,814	136
TOTAL FOR MAP NO. 5								1.97								23,265.00		12,796		221		42,366	40,814	136
8SP.20775.1	Richmond	6	SR 1459 (JIMMY CARRIKER RD)	FROM SR 1458 (JONES SPRINGS CH. RD) TO END OF PVMT	1	2	2WD	1.51	17							15,074.00		8,291		170				
TOTAL FOR MAP NO. 6								1.51								15,074.00		8,291		170				
8SP.20775.1	Richmond	7	SR 1460 (GRANNY RUMMAGE RD)	FROM SR 1458 (JONES SPRING CH. RD) TO SR 1461 (RUMMAGE PACK HOUSE RD)	1	2	2WD	0.81	17							8,051.00		4,429		91		17,048	5,018	55
TOTAL FOR MAP NO. 7								0.81								8,051.00		4,429		91		17,048	5,018	55
8SP.20775.1	Richmond	8	SR 1461 (RUMMAGE PACK HOUSE RD)	FROM NC 73 TO NC 73	1	2	2WD	1.79	18							19,602.00		10,781		201		38,092	24,754	121
TOTAL FOR MAP NO. 8								1.79								19,602.00		10,781		201		38,092	24,754	121
8SP.20775.1	Richmond	9	SR 1462 (GALLIMORE RD)	FROM NC 73 TO MONT CO LINE	1	2	2WD	1.6	18							16,878.00		9,283		178		33,756	22,124	107
TOTAL FOR MAP NO. 9								1.6								16,878.00		9,283		178		33,756	22,124	107
8SP.20775.1	Richmond	10	SR 1467 (MCQUEEN RD)	FROM SR 1424 (JONES SPRING CH. RD) TO SR 1468 (PAPPY RABB RD)	1	2	2WD	0.93	20							10,905.00		5,998		105		19,628	14,052	64
TOTAL FOR MAP NO. 10								0.93								10,905.00		5,998		105		19,628	14,052	64
8SP.20775.1	Richmond	11	SR 1468 (PAPPY RABB RD)	FROM SR 1424 (JONES SPRING CH. RD) TO SR 1003 (DERBY RD)	1	2	2WD	2.26	19							25,421.00		13,982		254		47,832	32,340	152
TOTAL FOR MAP NO. 11								2.26								25,421.00		13,982		254		47,832	32,340	152
8SP.20775.1	Richmond	12	SR 1469	FROM SR 1003 (DERBY RD) TO MONT CO LINE	1	2	2WD	0.18	16							1,680.00		924		21		3,780	3,780	13
TOTAL FOR MAP NO. 12								0.18								1,680.00		924		21		3,780	3,780	13
8SP.20775.1	Richmond	13	SR 1470	FROM SR 1465 (CEDAR LANE RD) TO MOORE CO LINE	1	2	2WD	0.44	20							5,138.00		2,826		50		9,248	7,928	31
TOTAL FOR MAP NO. 13								0.44								5,138.00		2,826		50		9,248	7,928	31
8SP.20775.1	Richmond	14	SR 1471 (PATTERSON RD)	FROM SR 1465 (SYCAMORE LN) TO PVMT JOINT AT BRIDGE	1	2	2WD	0.99	19							11,023.00		6,063		111		20,884	9,916	67
TOTAL FOR MAP NO. 14								0.99								11,023.00		6,063		111		20,884	9,916	67
8SP.20775.1	Richmond	15	SR 1534 (BALDWIN RD)	FROM NC 73 TO DEAD END	1	2	2WD	0.25	19							2,741.00		1,508		28				
TOTAL FOR MAP NO. 15								0.25								2,741.00		1,508		28				
8SP.20775.1	Richmond	16	SR 1451 (GIBSON NURSERY RD)	FROM SR 1450 (GREEN LAKE RD) TO SR 1424 (SANDHILL GAME MANAGEMENT RD)	1	2	2WD	2.48	18							28,212.00		15,517		278		52,738	36,896	169
TOTAL FOR MAP NO. 16								2.48								28,212.00		15,517		278		52,738	36,896	169
8SP.20775.1	Richmond	17	SR 2062 (ISOM NICHOLS RD)	FROM SR 1971 (SANDHILLS RD) TO DEAD END	1	2	2WD	0.6	20							6,994.00		3,847		68				
TOTAL FOR MAP NO. 17								0.6								6,994.00		3,847		68				
8SP.20775.1	Richmond	18	SR 1621 (APEX ST)	FROM SR 1623 (CAMPBELL RD) TO SR 1608 (LAKESIDE DR)	3	2	2WD	0.13	16	50.00	0.26	100	60	4	10					15		1,592	1,592	7
TOTAL FOR MAP NO. 18								0.13		50.00	0.26	100	60	4	10					15		1,592	1,592	7
8SP.20775.1	Richmond	19	SR 1622 (STUBBS ST)	FROM SR 1608 (BOYD LK RD) TO END MAINTENANCE	3	2	2WD	0.07	20	7.00	0.14	115	35	2	15					8				
TOTAL FOR MAP NO. 19								0.07		7.00	0.14	115	35	2	15					8				
8SP.20775.1	Richmond	20	SR 1623 (CAMPBELL RD)	FROM SR 1688 (ATKINSON ST) TO SR 1607 (MARKS CRK CH. RD)	3	2	2WD	2.2	20	815.00	4.40	115	1,080	73	100					247		46,384	19,342	147
TOTAL FOR MAP NO. 20								2.2		815.00	4.40	115	1,080	73	100					247		46,384	19,342	147
																			*		*			
TOTAL FOR PROJ NO. 8SP.20775.1								26.59		1,417.00	7.74	450	1,925	130	225	257,676.00	18,158.00	148,083	50	2,987	1	510,478	370,502	1,633
																						880,980		
GRAND TOTAL								26.59		1,417.00	7.74	450	1,925	130	225	257,676.00	18,158.00	148,083	50	2,987	1	510,478	370,502	1,633
																						880,980		



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 W7-3gP 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 RESURFACING 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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK. ROAD WORK AHEAD W20-1 48" X 48" ROAD WORK AHEAD W20-7 A 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.
	3 LOOSE GRAVEL W8-7 48" X 48" UNMARKED PAVEMENT SP 48" X 48" 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. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE 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.	
	5 END ROAD WORK G20-2 A 48" X 24" PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	



ADVANCE WARNING SIGNS
FOR
ASPHALT SURFACE TREATMENTS
2 LANE ROADWAYS