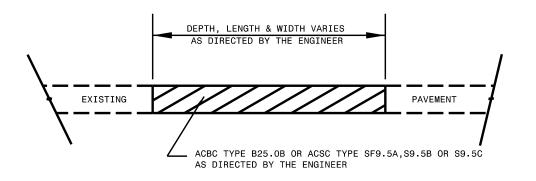


	PAVEMENT SCHEDULE
С	$1 rac{1}{2}$ " ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D	$2lac{1}{2}"$ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
S	PROP. SHOULDER GRADING
U1	EXISTING CONCRETE PAVEMENT WITH ASPHALT OVERLAY
U2	EXISTING ASPHALT PAVEMENT
V1	1½" MILLING
V2	4" MILLING



PATCHING EXISTING PAVEMENT

PATCHING TO BE PERFORMED PRIOR TO MILL AND FILL OPERATION

NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT

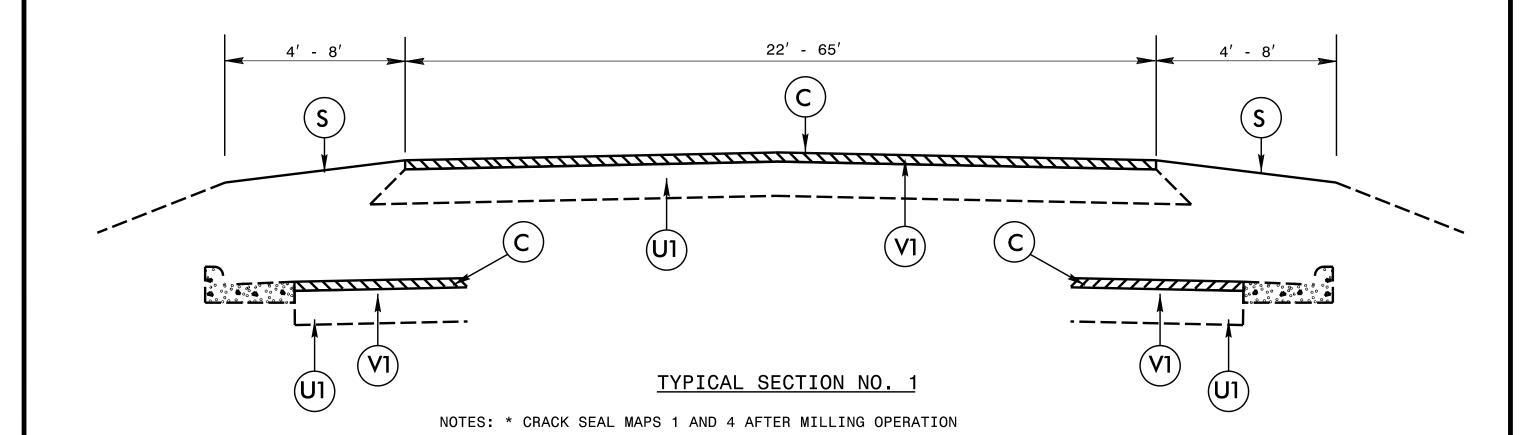
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.

PROJECT REFERENCE NO. SMEET NO.

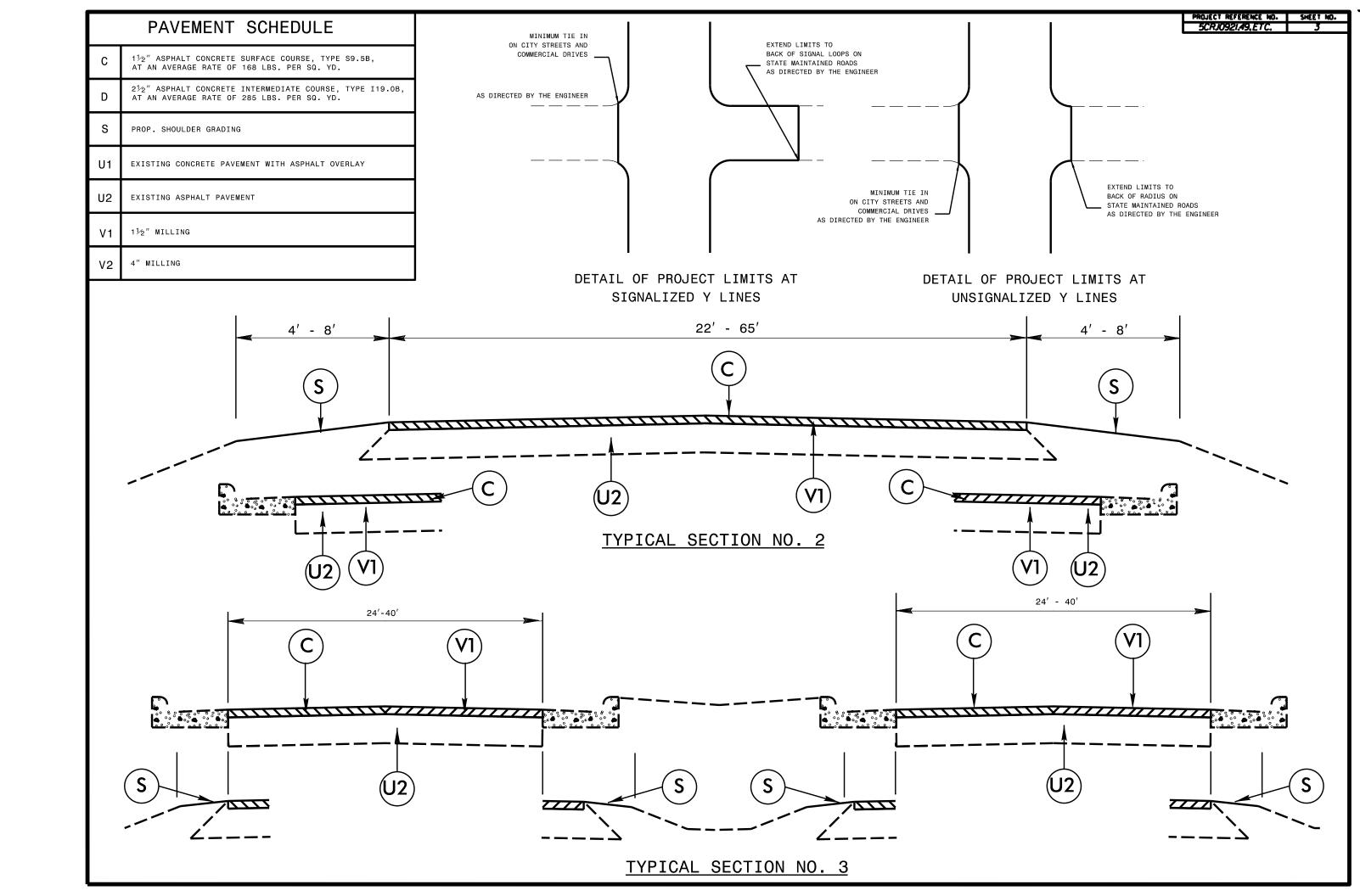
5CRJ0921,49,ETC.

EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.

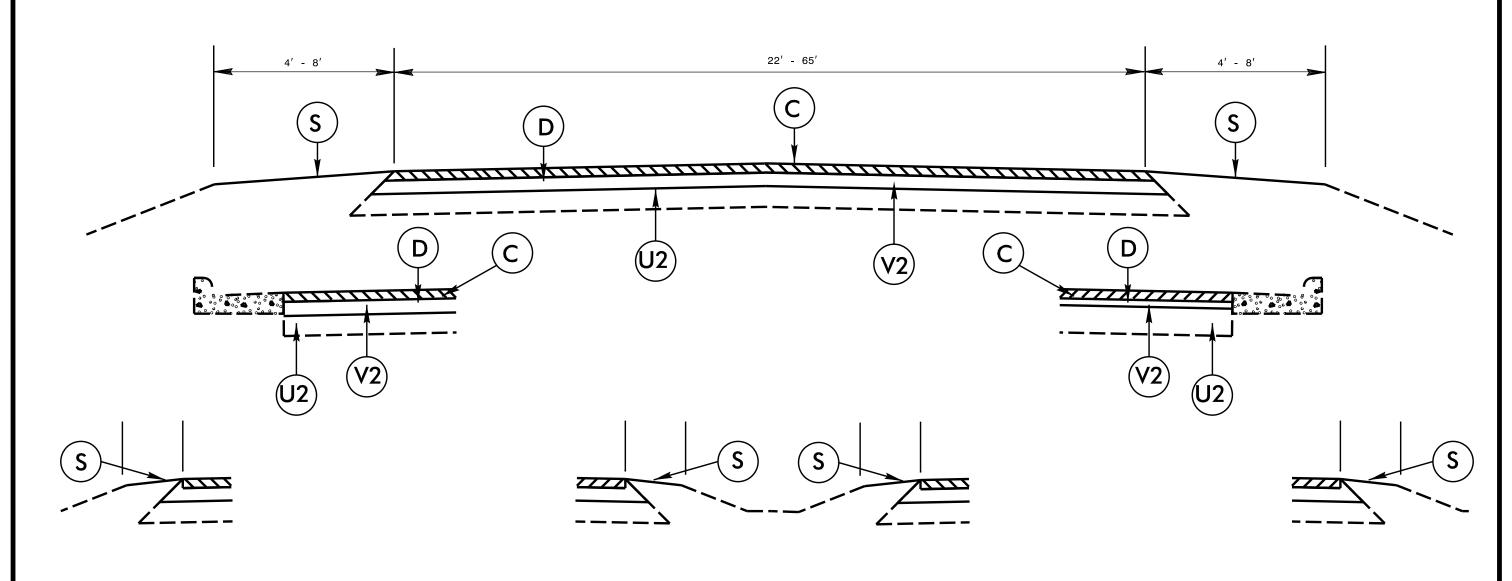
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



* AREAS ON MAPS 1 AND 4 THAT ARE CRACK SEALED REQUIRE WARM MIX ASPHALT.



	PAVEMENT SCHEDULE
С	$1last_2$ " ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D	$2lac{1}{2}"$ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
S	PROP. SHOULDER GRADING
U1	EXISTING CONCRETE PAVEMENT WITH ASPHALT OVERLAY
U2	EXISTING ASPHALT PAVEMENT
V1	1½" MILLING
V2	4" MILLING



TYPICAL SECTION NO. 4

PROJECT REFERENCE NO. SHEET NO. 5CRJ0921.49,ETC. 4

PROJECT NO.	SHEET NO.	TOTAL NO.
5CR.10921.49, 5CR.20921.49		

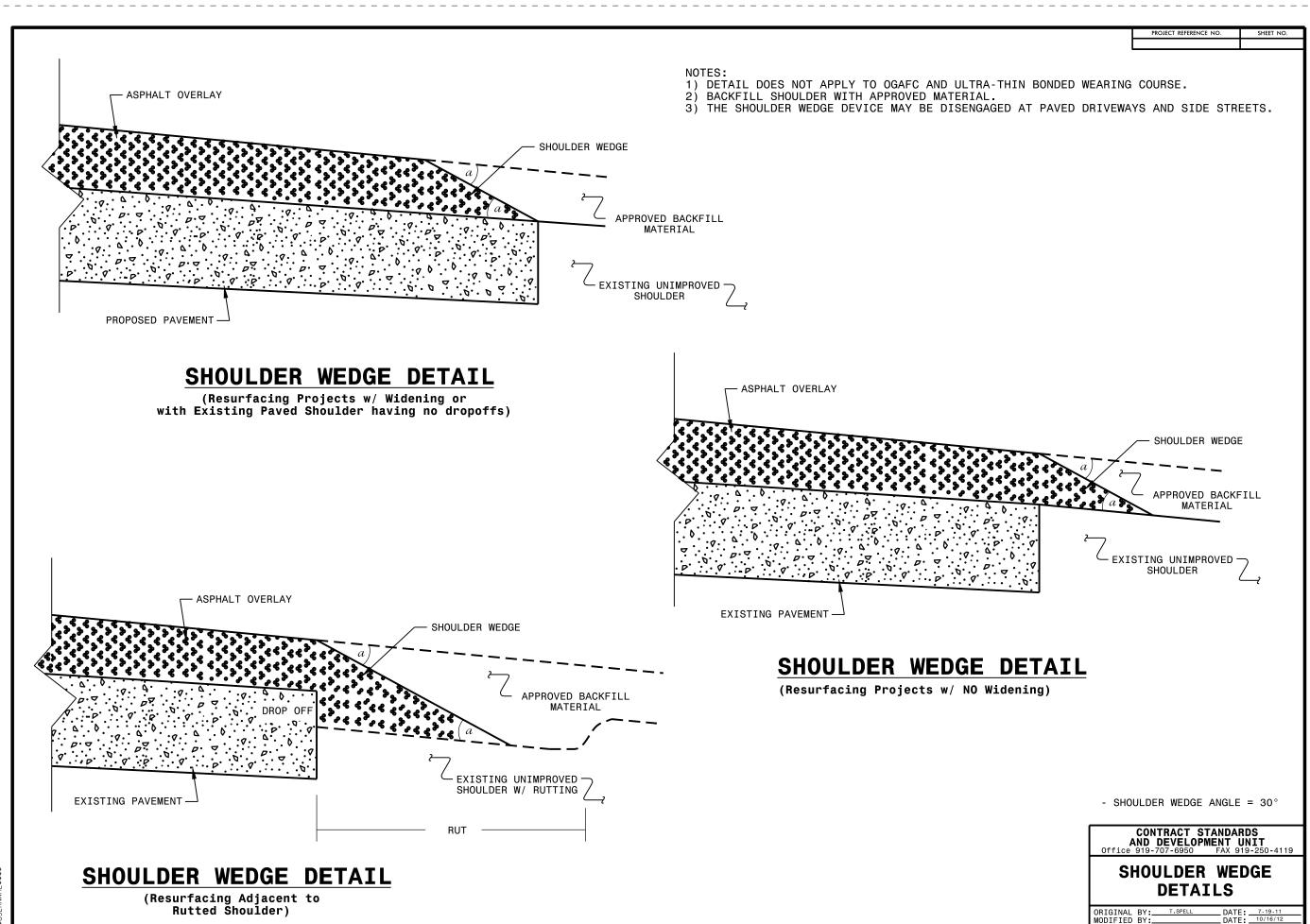
SUMMARY OF QUANTITIES

															_											
PROJECT	COUNTY	Y MAP	ROUTE	DESCRIPTION	TYP LANE	ES LANE	FINAL	WARM MIX	LENGTH	WIDTH	BORROW	SHOULDER	INCIDENTAL	4" MILLING	1½"	INTER-	SURFACE	ASPHALT	PATCHING	SEALING	ADJUST	ADJUST	TEMPORARY	WATTLE	SEED &	INDUCTIVE
						TYPE	SURFACE	ASPHALT				GRADING	STONE BASE		MILLING	MEDIATE	COURSE.	BINDER FOR	EXISTING	EXISTING	MANHOLES	METER OR	SILT FENCE		MULCHING	LOOP
								REQUIRED								COURSE.	S9.5B	PLANT MIX	PAVEMENT	PAVEMENT		VALVE BOX			,	
							REQUIRED									119.0B	05.55			CRACKS &		7.1272 DOX			'	
							REQUIRED									115.06									, '	,
																				JOINTS					·	
NO		NO			NO				MI	FT	CY	SMI	TONS	SY	SY	TONS	TONS	TON	TONS	LB	EA	EA	LF	LF	AC	LF
				EAST OF SR 1655 - TRINITY RD TO JT																					, '	
5CR.10921.49	Wake	1	NC 54	AT BURK BROS HARDWARE	1,4 2		NO	YES	2.02	26	285	2.84	142	65,411	2,564	9,824	6,008	832	129	946.00	4	1	206	520	2.06	2,542
		TOTA	L FOR MAP NO. 1						2.02		285	2.84	142	65,411	2,564	9,824	6,008	832	129	946.00	4	1	206	520	2.06	2,542
	TOT	TAL FOR	PROJ NO. 5CR.10921.49						2.02		285	2.84	142	65.411	2,564	9.824	6,008	832	129	946.00	4	1	206	520	2.06	2,542
							ı								,											
				SR 1012 - WESTERN BLVD TO SR 1415																					·	Г '
5CR.20921.49	Wake	2	SR 5808 - CHATHAM ST/HILLSBOROUGH ST	- MAYNARD RD	2,3 2		NO	NO	0.913	34	173	1.73	87		30,560		2,830	170	137				126	320	1.26	
		TOTA	L FOR MAP NO. 2						0.913		173	1.73	87		30,560		2,830	170	137				126	320	1.26	
5CR.20921.49	Wake	3	SR 1342 - POWELL DR	SR 5808 - HILLSBOROUGH ST TO RR	2 2		NO	NO	0.057	23	9	0.09	3		869		71	4	12		1		6	12	0.03	1
	•	TOTA	L FOR MAP NO. 3						0.057		9	0.09	3		869		71	4	12		1		6	12	0.03	
				NC 54 TO LIMIT OF BRG REMOVAL																					· ·	
5CR.20921.49	Wake	4	SR 5808 - HILLSBOROUGH ST	PROJ	1 2		NO	YES	0.113	24	7	0.07	4		2,062		191	11	12	983.00					, '	1
		TOTA	L FOR MAP NO. 4						0.113		7	0.07	4		2,062		191	11	12	983.00					·	
	тот	TAL FOR	PROJ NO. 5CR.20921.49						1.083		189	1.89	94		33,491		3,092	185	161	983.00	1		132	332	1.29	†
			-			_		1													1	1				
		G	RAND TOTAL						3.103		474	4.73	236	65,411	36,055	9.824	9,100	1.017	290	1,929.00	5	1	338	852	3.35	2,542
			-							·				,	,,,,,	-,,	.,	,,,		,						

THERMOPLASTIC AND PAINT QUANTITIES

							4399000000-1	N 4510000000-N	4590000000-E	46850	00000-E	468600	0000-E	4695000	0000-E	4697000000-E	4705000000-E	4710000000-E		4721000000)-E			472500	0000-E		
PROJECT COUNTY MA	AP ROUTE	DESCRIPTION	TYP LA	ANES LANE	LENGTH	WIDTH	TEMPORARY	LAW	GENERIC	4" X 90 M	4" X 90 M	4" X 120 M	4" X 120	8" X 90 M	8" X 90 M	8" X 120 M	16" X 120 M	24" X 120 M	THERMO	THERMO	THERMO RXR	THERMO L	THERMO RT	THERMO	THERMO STR	THERMO STR	THERMO
				TYPE			TRAFFIC	ENFORCEMENT	TRAFFIC	WHITE	YELLOW	WHITE	M	WHITE	YELLOW	WHITE	WHITE	WHITE	MSG	MSG ONLY	120 M	ARROW 9	0 ARROW 90	STR ARROW	& LT ARROW	& RT ARROW	MERGE
							CONTROL		CONTROL	THERMO	THERMO	THERMO	YELLOW	THERMO	THERMO	THERMO	THERMO	THERMO	SCHOOL	120 M		M	M	90 M	90 M	90 M	ARROW
									ITEM				THERMO						120 M								90 MILS
									ADVANCE/																		1
									GENERAL																		1
									WARNING																		1
									SIGNS																		1
NO NO	0		NO				LS	HR	SF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA
		EAST OF SR 1655 - TRINITY RD TO JT	Т																								
5CR.10921.49 Wake 1	NC 54	AT BURK BROS HARDWARE	1,4	2	2.02	26	0.61	85	176	10,197	4,433	4,466	14,210	1,440	275	572		723	12	4		33	21	25	2	9	3
TC	OTAL FOR MAP NO. 1				2.02		0.61	85	176	10,197	4,433	4,466	14,210	1,440	275	572		723	12	4		33	21	25	2	9	3
TOTAL F	OR PROJ NO. 5CR.10921.49				2.02		0.61	85	176	10,197	4,433	4,466	14,210	1,440	275	572		723	12	4		33	21	25	2	9	3
IOIALI	OK FROJ NO. 3CK.10921.49									14	,630	18,6	76	1,71	15				16						93		
		SR 1012 - WESTERN BLVD TO SR 1415	.5																								
5CR.20921.49 Wake 2	SR 5808 - CHATHAM ST/HILLSBOROUGH ST	- MAYNARD RD	2,3	2	0.913	34	0.35	50	144	24,500		2,675	27,300	450				70				68	10	4	4	3	4
TO	OTAL FOR MAP NO. 2				0.913		0.35	50	144	24,500		2,675	27,300	450				70				68	10	4	4	3	4
5CR.20921.49 Wake 3	SR 1342 - POWELL DR	SR 5808 - HILLSBOROUGH ST TO RR	2	2	0.057	23	0.01	10	112	536			536				50	39			2						
TO	OTAL FOR MAP NO. 3				0.057		0.01	10	112	536			536				50	39			2						
		NC 54 TO LIMIT OF BRG REMOVAL																									
5CR.20921.49 Wake 4	SR 5808 - HILLSBOROUGH ST	PROJ	1	2	0.113	24	0.02	20	112	385			1,210														1
TO	OTAL FOR MAP NO. 4				0.113		0	20	112	385			1,210														
TOTAL F	OP PROLING ECP 20021 40	•			1.083		0	80	368	25,421		2,675	29,046	450			50	109			2	68	10	4	4	3	4
TOTAL FOR PROJ NO. 5CR.20921.49		•								25	,421	31,7	21	450	0					2	•		•	93	3	•	
		·																									
	GRAND TOTAL	·			3.103		1	165	544	35,618	4,433	7,141	43,256	1,890	275	572	50	832	12	4	2	101	31	29	6	12	7
	GRAND IOTAL	•								40	,051	50,3	97	2,16	55					18				18	6	•	

									47700	00000-E	4805000000-N	48100	00000-E	482000	0000-E	4835000000-E	4840	000000-N			48450	00000-N			4850000000-E	49000	00000-N	4905000000-N
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	TYP LANE	ES LANE	LENGTH	WIDTH	4" WHITE		COLD APPLIED	4" WHITE	4" YELLOW	8" WHITE	8"	24" WHITE	PAINT	PAINT MSG	PAINT LT	PAINT RT	PAINT STR	PAINT STR	PAINT STR & RT	PAINT	4" LINE	YELLOW &	CRYSTAL &	SNOW
						TYPE			COLD APPLIED	COLD APPLIED		PAINT	PAINT	PAINT	YELLOW	PAINT	MSG	ONLY	ARROW	ARROW	ARROW	& LT	ARROW	MERGE	REMOVAL	YELLOW	RED	PLOWABLE
										PLASTIC, TYPE					PAINT		SCHOOL					ARROW		ARROW		MARKERS	MARKERS	MARKERS
									111	111	III						50552					7		7				No truce to
NO		NO			NO				LF	LF	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	EA	EA	EA
				EAST OF SR 1655 - TRINITY RD TO JT																								
5CR.10921.4	Wake	1	NC 54	AT BURK BROS HARDWARE	1,4 2		2.02	26	280		4	14,663	18,643	2,012	275	723	12	4	33	21	25	2	9	3	280			440
		TOTA	L FOR MAP NO. 1				2.02		280		4	14,663	18,643	2,012	275	723	12	4	33	21	25	2	9	3	280			440
							2.02		280		4	14,663	18,643	2,012	275	723	12	4	33	21	25	2	9	3	280			440
	101	AL FOR	PROJ NO. 5CR.10921.49						2	180		33	,306	2,2	37		,	16				93					•	
				SR 1012 - WESTERN BLVD TO SR 1415																								
5CR.20921.4	Wake	2	SR 5808 - CHATHAM ST/HILLSBOROUGH ST	- MAYNARD RD	2,3 2		0.913	34	700	875															1,575	500	236	
		TOTA	L FOR MAP NO. 2				0.913		700	875															1,575	500	236	
5CR.20921.4	Wake	3	SR 1342 - POWELL DR	SR 5808 - HILLSBOROUGH ST TO RR	2 2		0.057	23																		8		
		TOTA	L FOR MAP NO. 3				0.057																			8		
				NC 54 TO LIMIT OF BRG REMOVAL																								
5CR.20921.4	Wake	4	SR 5808 - HILLSBOROUGH ST	PROJ	1 2		0.113	24				385	1210														3	
		TOTA	L FOR MAP NO. 4				0.113					385	1,210														3	
	TOTAL FOR REQUISIO FOR 20024 40					1.083		700	875		385	1,210												1,575	508	239		
TOTAL FOR PROJ NO. 5CR.20921.49							1,	575		1,	595													7	47			
			RAND TOTAL				3.103		980	875	4	15,048	19,853	2,012	275	723	12	4	33	21	25	2	9	3	1,855	508	239	440
		G	NAND IOIAL						1	855		3/	901	2.2	27			16				93				7	47	

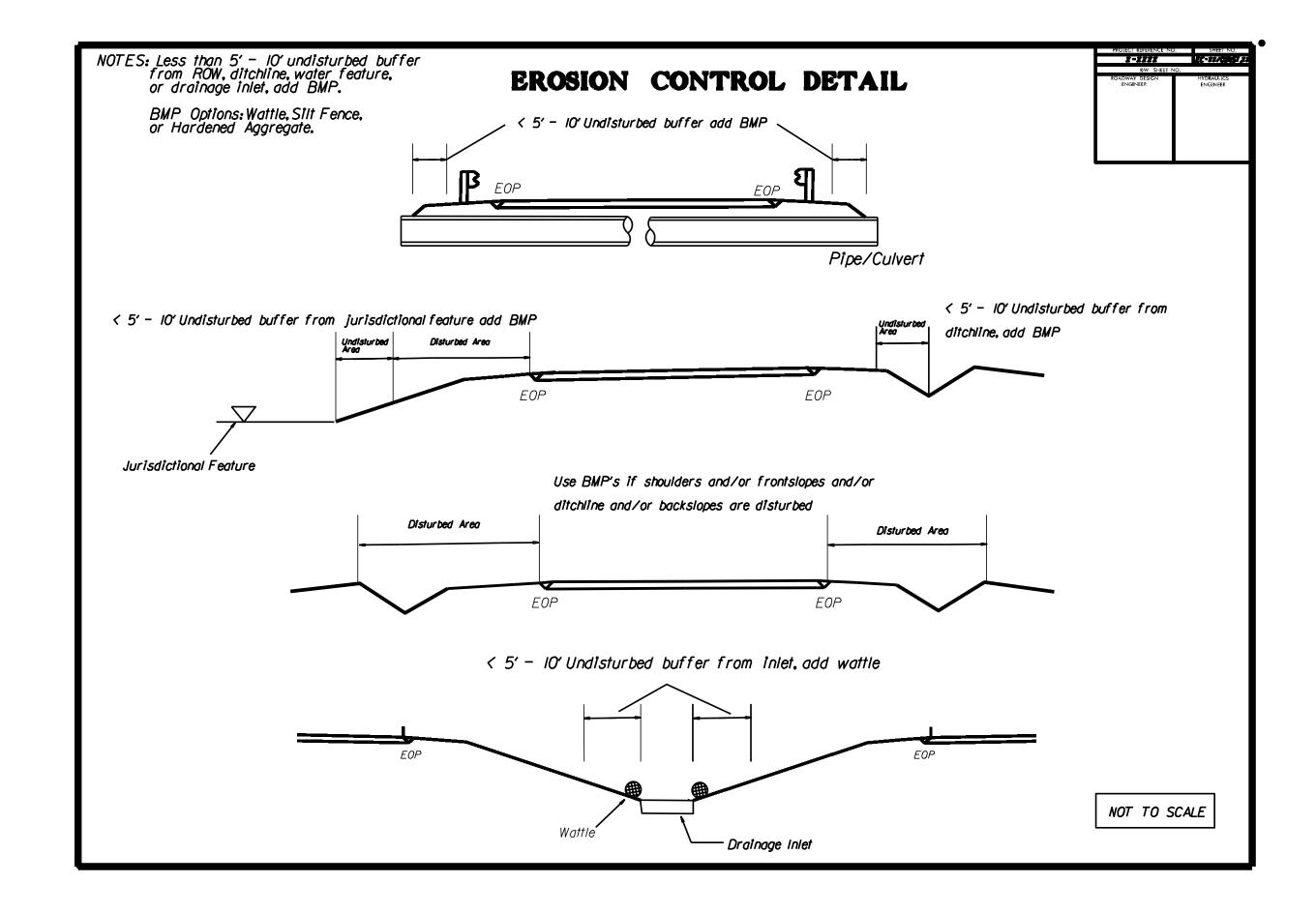


PROJECT REFERENCE NO.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

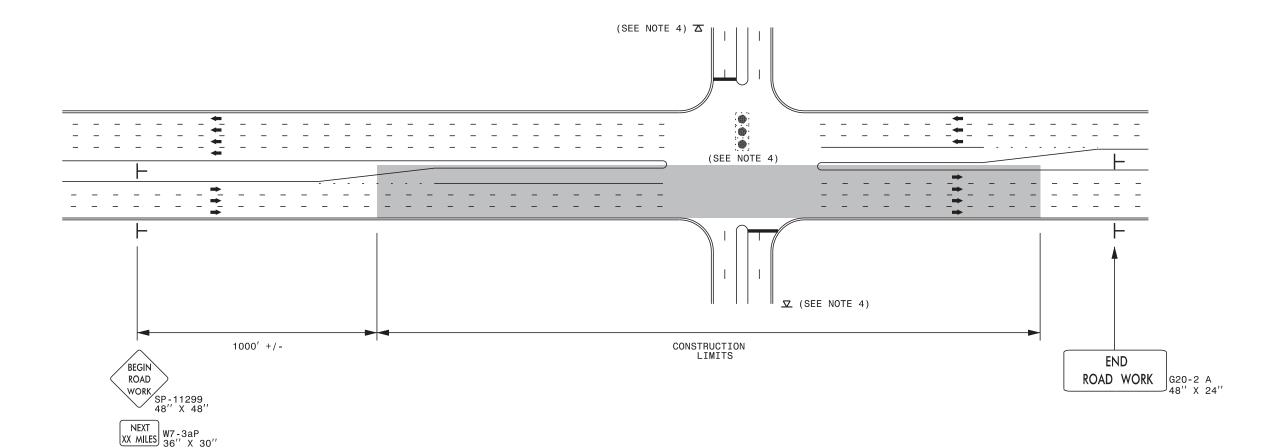
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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	I4 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	I4 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.



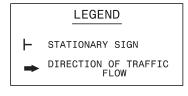
PROJ. REFERENCE NO. SHEET NO.

URBAN / SUBURBAN WORKZONES



NOTES:

- 1) $48" \times 48"$ SIZED SIGNS (SP- 11299) MAY BE REDUCED TO $36" \times 36"$ 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) USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AND 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.



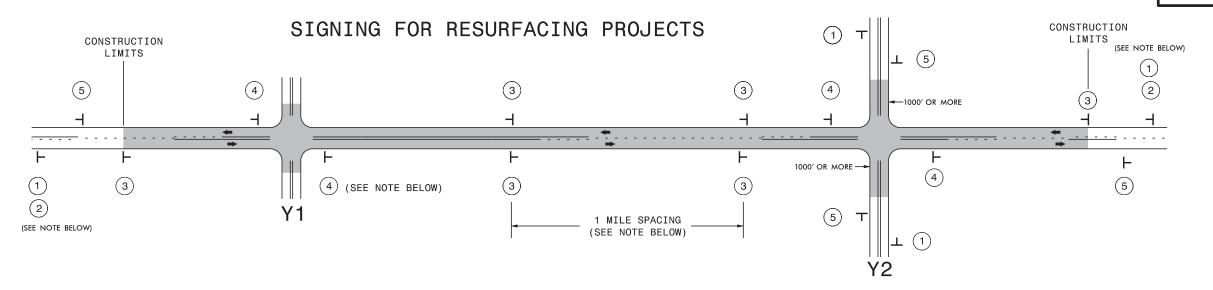


RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

WZICYRESUTTACINGYZUJRESUTTACINGYZUJNOCUMENTSYNEW_FTOCEAUTES_UJ_UY_ZUJYRESUTTACING_AAVWATN_UTSU. garrett

8/2013 \TMU\WZTC\Resurfo

PROJ. REFERENCE NO. SHEET NO.



LEGEND

- STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ROAD ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. WORK NOTES AND PER DIRECTION AHEAD W20-1 #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. (2) ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART LOW/SOFT (3) THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE SHOULDER CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER. SIGNING PLACEMENT P THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM ROAD EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT (4) UNDER ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL CONST 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. PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS. ROAD WORK G20-2 A 48" X 24"

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.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

ng\z0lskesurtacing\z0lsbocuments\new_Frocedures_05_09_20ls\kesurtacing_AdvWarn_zLn.dgn