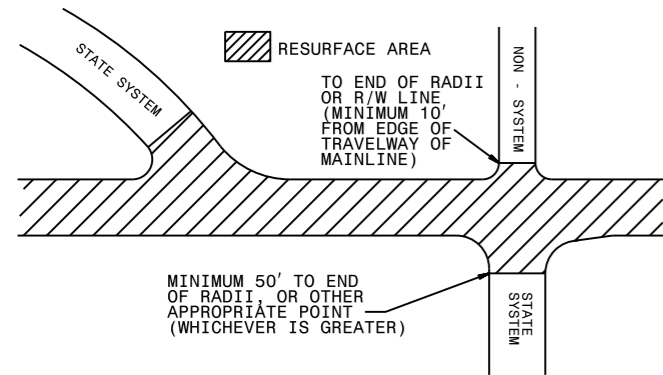


TYPICAL SECTION NO. 1

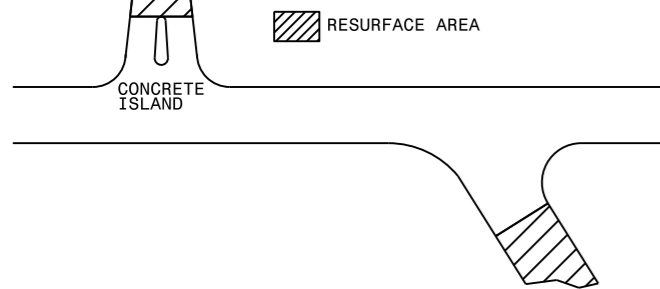
**PAVING DETAIL 1
MAIN LINE IS BEING RESURFACED**

NOTE: NON-SYSTEM (CITY STREET, PRIVATE DRIVE, SCHOOL BUS DRIVE)

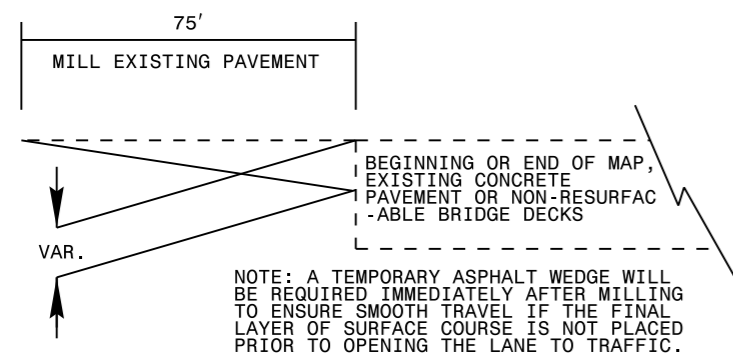


**PAVING DETAIL 2
MAIN LINE IS NOT BEING RESURFACED**

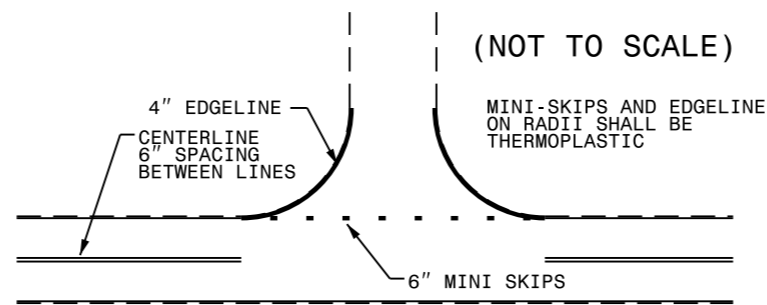
MAPS ENDING IN A TEE INTERSECTION



INCIDENTAL MILLING DETAIL

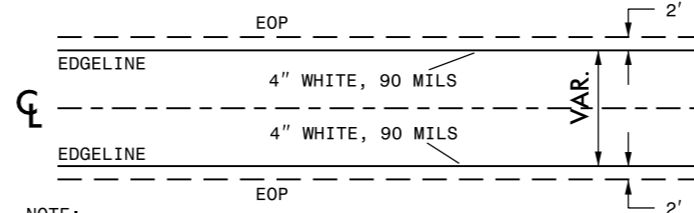


**TO BE USED AT ALL
NON-SIGNALIZED INTERSECTIONS**



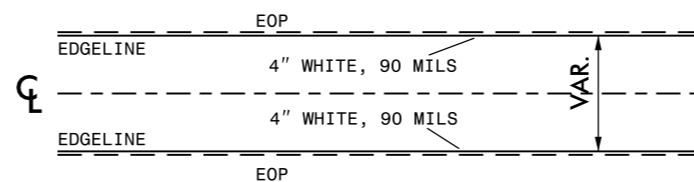
NOTE: MINI SKIPS SHALL BE PLACED ON A 8' CYCLE, CONTAINING AN 6' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

**STRIPING DETAIL 1
GENERAL STRIPING DETAIL**



- NOTE:
- TO BE USED IN CONJUNCTION WITH TYPICAL SECTION NO. 1, STA. 0+00 TO STA. 9+25
 - USE IN CONJUNCTION WITH THE EXISTING PAVEMENT MARKINGS TO ESTABLISH THE STRIPING.
 - USE IN CONJUNCTION WITH THE NCDOT STANDARD DRAWINGS.

**STRIPING DETAIL 2
GENERAL STRIPING DETAIL**



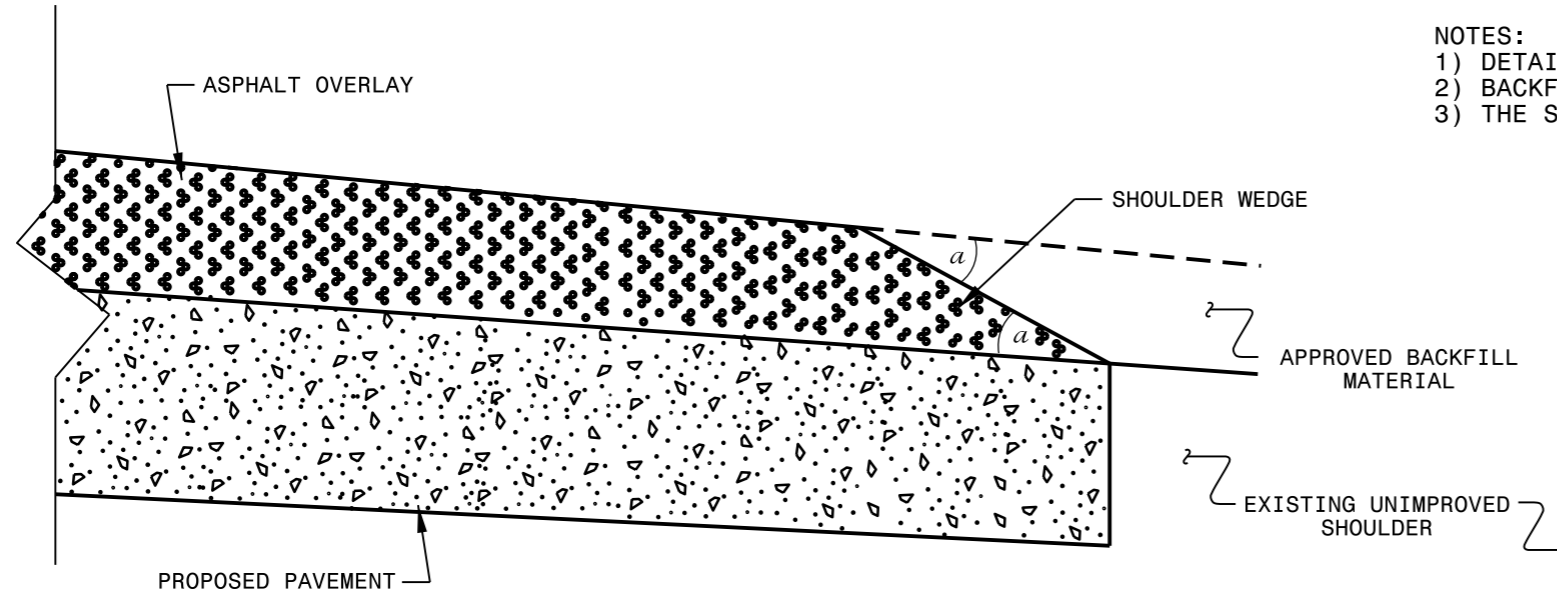
- NOTE:
- TO BE USED IN CONJUNCTION WITH TYPICAL SECTION NO. 1, STA. 9+25 TO STA. 47+32
 - USE IN CONJUNCTION WITH THE EXISTING PAVEMENT MARKINGS TO ESTABLISH THE STRIPING.
 - USE IN CONJUNCTION WITH THE NCDOT STANDARD DRAWINGS.

PAVEMENT SCHEDULE

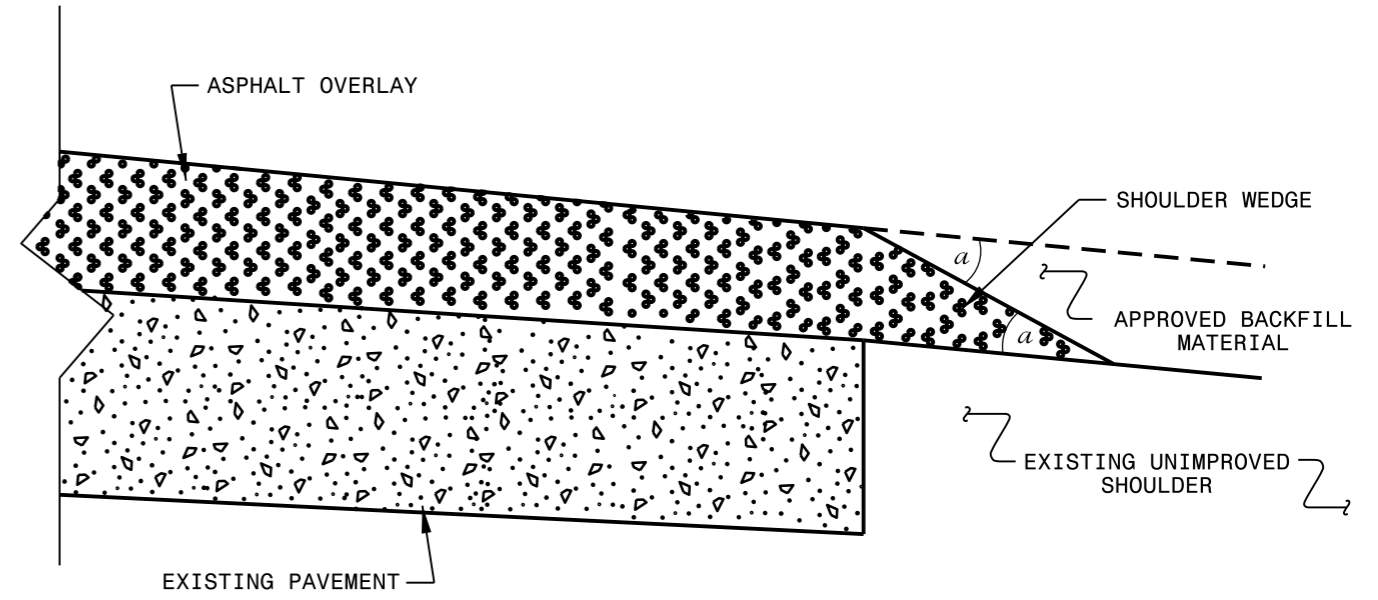
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
F	AST MAT COAT, #67 STONE
U	EXISTING PAVEMENT.

28-FEB-2018 10:37 S:\DDC\Resurfacing Projects\2019 PO Contracts\Guilford\2019CPT.07.19.20411 Willowlake Road\CADD\2019CPT.07.19.20411 PSH2.dgn cthuskins AT DIV07-300050

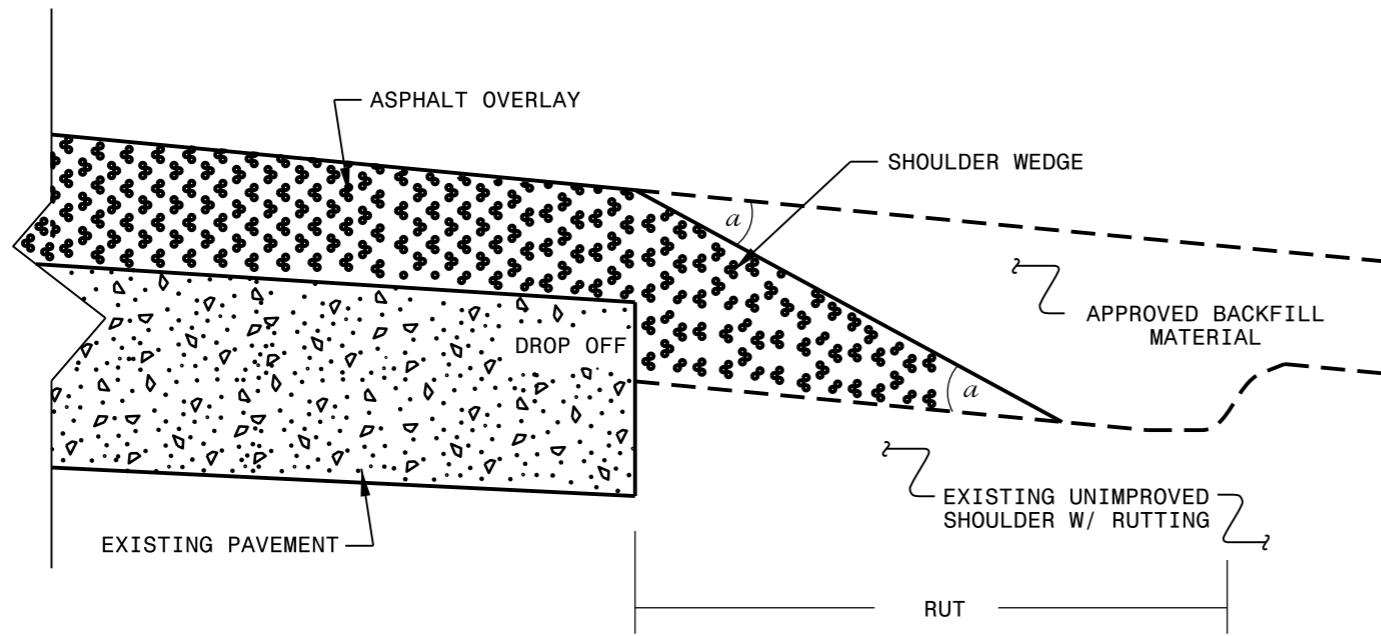
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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)

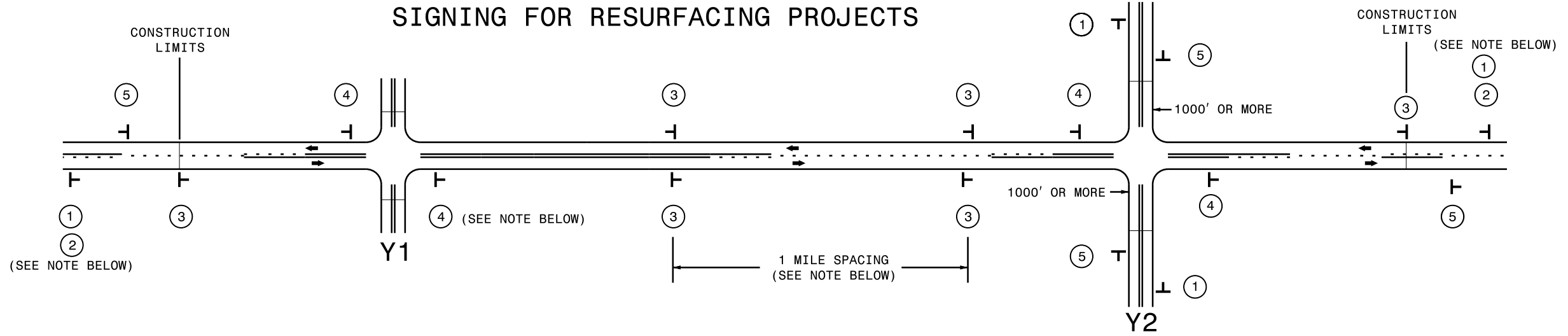
- SHOULDER WEDGE ANGLE = 30°

**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\details\stand\shoulderwedgedetail.dgn

SIGNING FOR RESURFACING PROJECTS



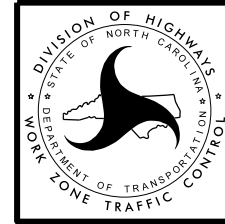
LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>①</p> <p>ROAD WORK AHEAD W20-1 48" X 48"</p>	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"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS 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;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	<p>②</p> <p>NEXT XX MILES W7-3aP 24" X 18"</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>③</p> <p>LOW/SOFT SHOULDER SP 13107 48" X 48"</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>④</p> <p>ROAD UNDER CONST SP 13106 48" X 48"</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>⑤</p> <p>END ROAD WORK G20-2 A 48" X 24"</p>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.		

28-FEB-2018 10:37 S:\DDC\Resurfacing Projects\2019 PO Contracts\Guilford\2019CPT.07.19.20411\Willowick Road\CADD\2019CPT.07.19.20411\PSH TC.dgn c:\mskms AT D:\07-300050



RESURFACING
 ADVANCE WARNING SIGNS
 FOR
 RURAL AND SUBURBAN
 2 LANE ROADWAYS

PROJECT NO.	SHEET NO.
2019CPT.07.19.20411	5

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		INCIDENTAL STONE BASE	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	EMULSION FOR ASPHALT SURFACE TREATMENT	ASPHALT SURFACE TREATMENT, MAT COAT, #67 STONE
										MI	FT						
2019CPT.07.XX.20411	Guilford	1	SR 2828 (WILLOWLAKE ROAD)	FROM US 70 (MP 0.0) TO SR 2770 (HUFFINE MILL ROAD)		3	2WU	NO	NO	0.036	40	70	333	85	5	385	1,014
										0.028	46			64	4	291	767
										0.03	52			77	5	351	924
										0.033	40			65	4	296	778
										0.047	31			72	4	322	847
										0.206	21	175	214	13	966	2,543	
										0.509	21	350	535	32	2,405	6,328	
TOTAL FOR MAP NO. 1										0.895		70	858	1,112	67	5,016	13,201
TOTAL FOR PROJ NO. 2019CPT.07.19.20411										0.895		70	858	1,112	67	5,016	13,201
GRAND TOTAL										0.895		70	858	1,112	67	5,016	13,201

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M
								MI	FT									
2019CPT.07.XX.20411	Guilford	1	SR 2828 (WILLOWLAKE ROAD)	FROM US 70 (MP 0.0) TO SR 2770 (HUFFINE MILL ROAD)		3	2WU	0.036	40	101	1	8,767	800	9,632	30	4	3	
								0.028	46									
								0.03	52									
								0.033	40									
								0.047	31									
								0.206	21									
								0.509	21									
TOTAL FOR MAP NO. 1										0.895	101	1	8,767	800	9,632	30	4	3
TOTAL FOR PROJ NO. 2019CPT.07.19.20411										0.895	101	1	8,767	800	9,632	30	4	3
GRAND TOTAL										0.895	101	1	8,767	800	9,632	30	4	3
													10,432			7		