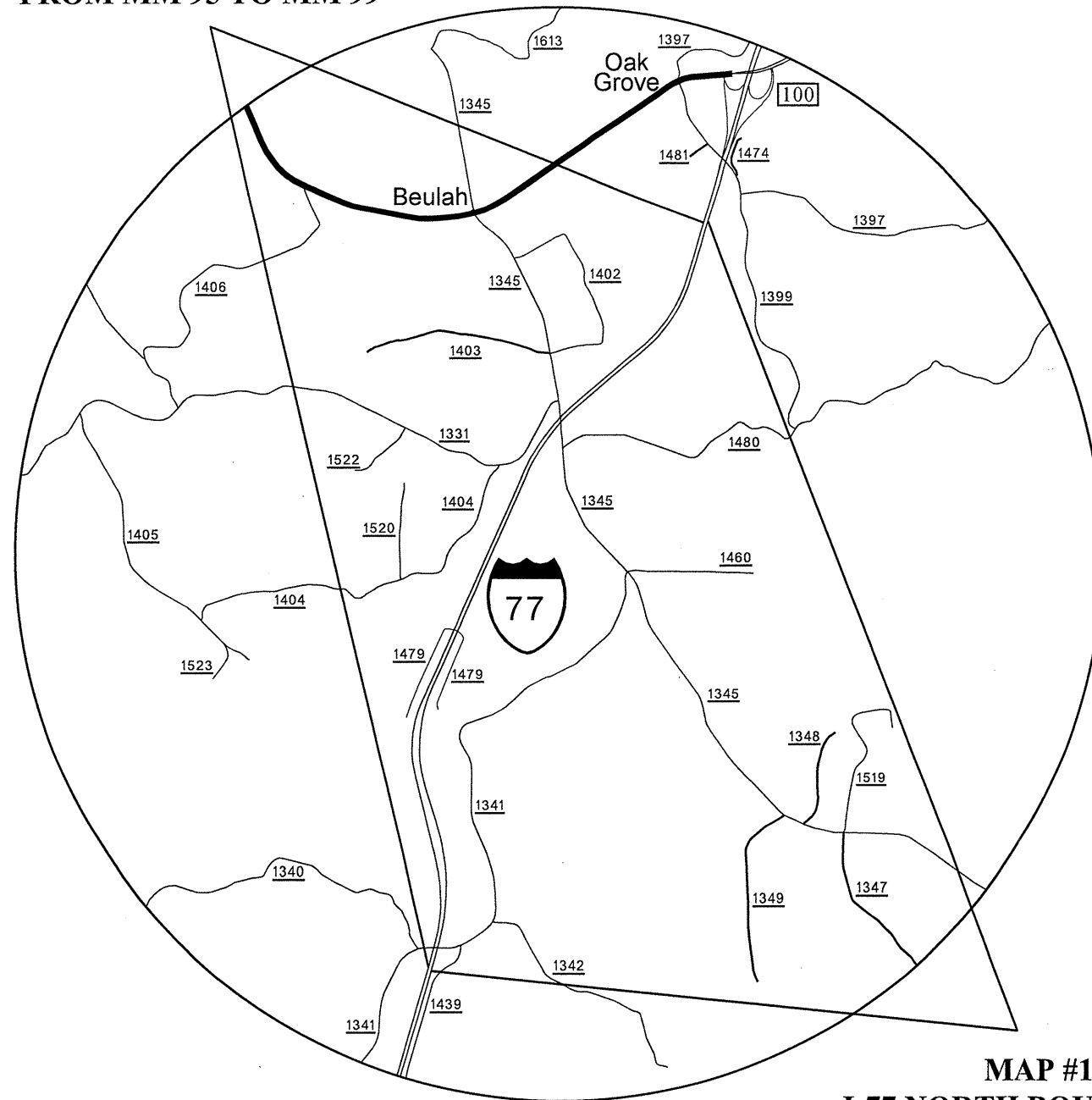


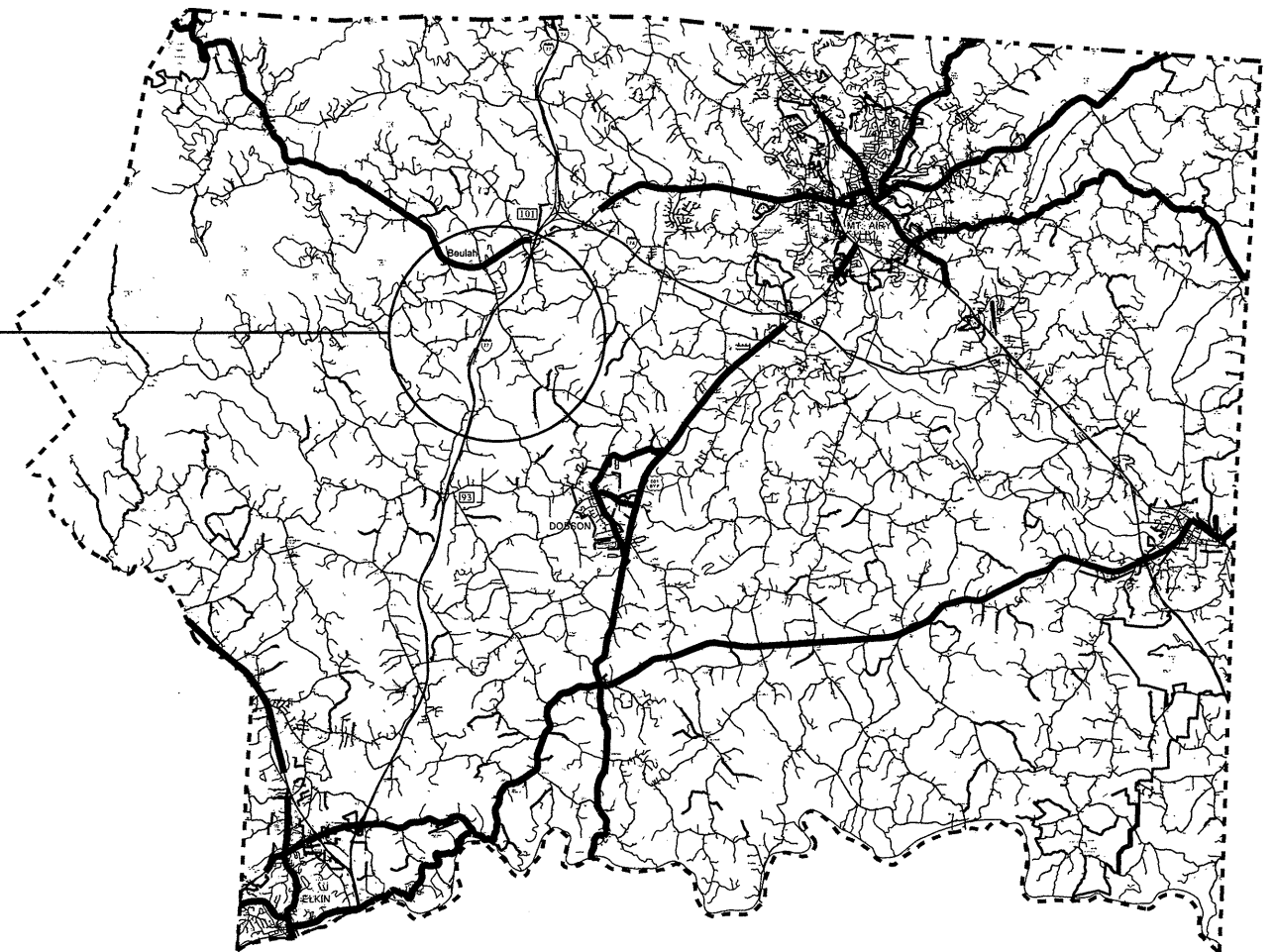
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURRY COUNTY

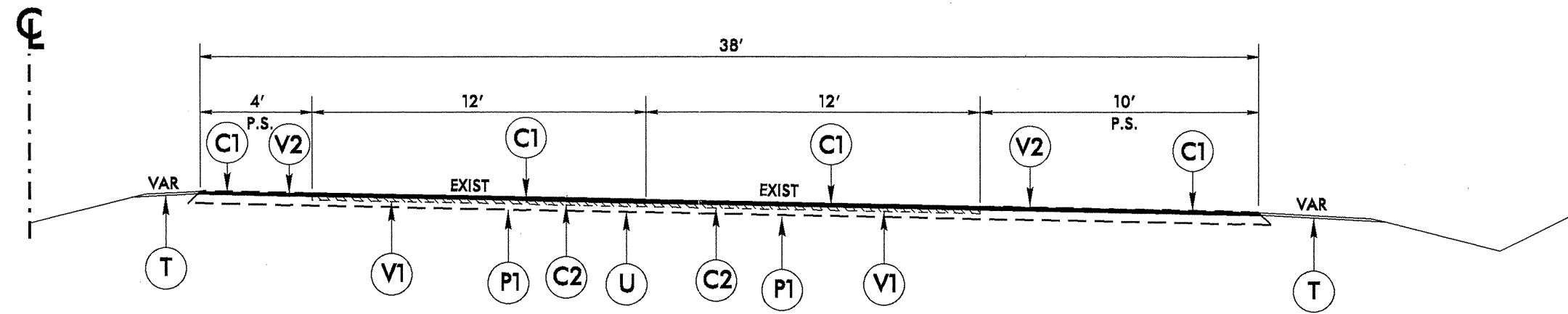
MAP #2
I-77 SOUTH BOUND LANE
FROM MM 95 TO MM 99



MAP #1
I-77 NORTH BOUND LANE
FROM MM 95 TO MM 99



8/17/99



TYPICAL SECTION NO. 1

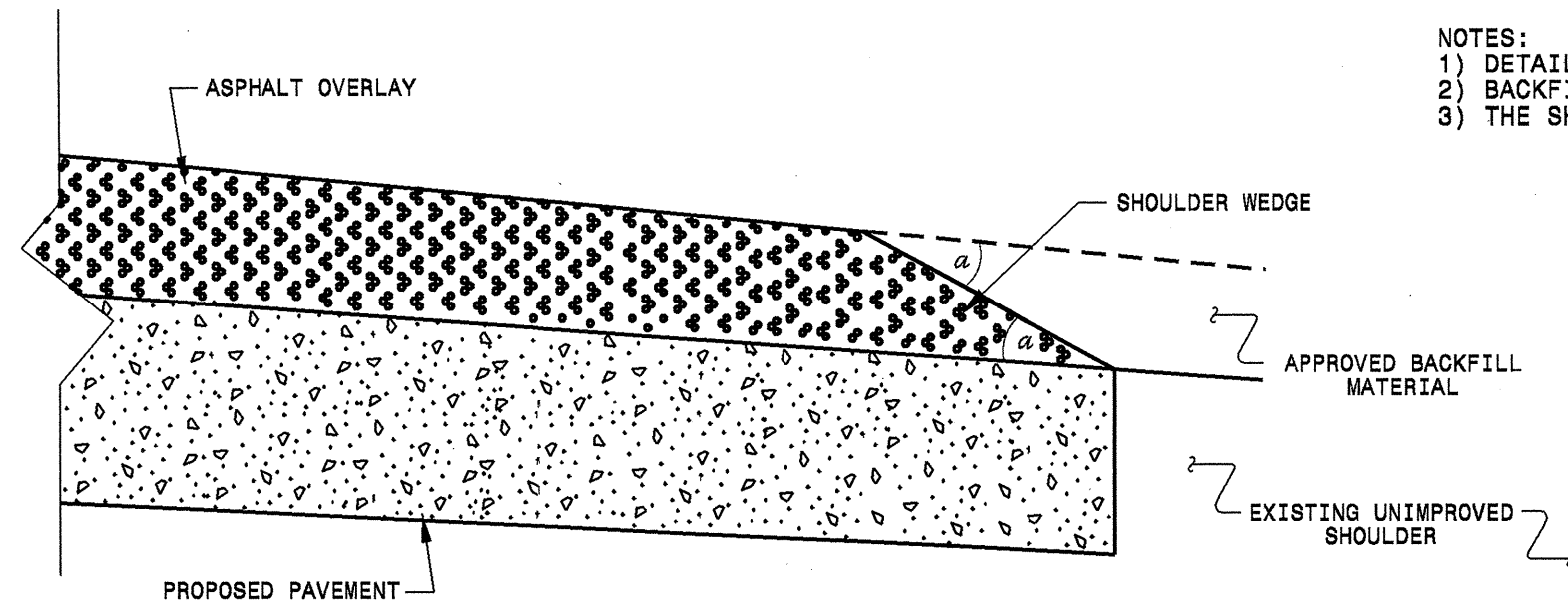
MAP 1 - I-77 NBL FROM MP 95 TO MP 99
 MAP 2 - I-77 SBL FROM MP 95 TO MP 99

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (OVERLAY)
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (MILL AND FILL)
P1	FULL DEPTH PATCHING *AS DIRECTED BY THE ENGINEER*
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	MILLED RUMBLE STRIPS (ASPHALT CEMENT)

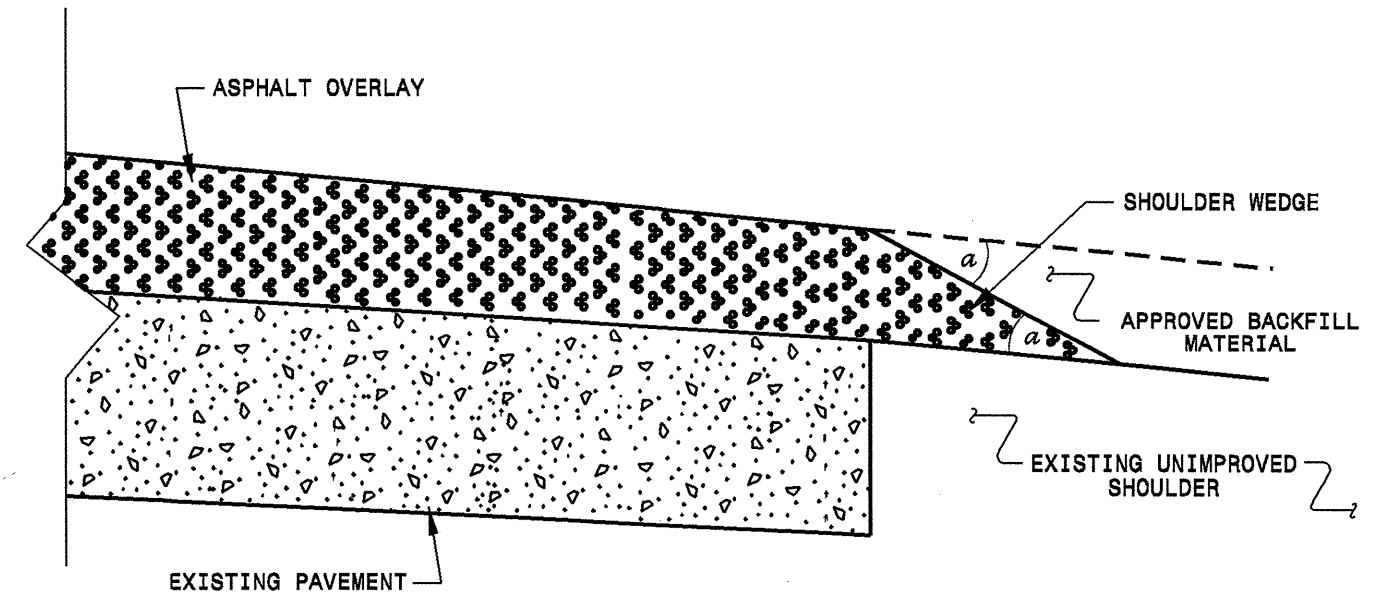
2012 ROADWAY ENGLISH STANDARD DRAWINGS
 The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C. Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:
 STD. NO. TITLE
 DIVISION 6 - ASPHALT BASES AND PAVEMENTS
 665.01 Asphalt Shoulders - Milled Rumble Strips

I-5603 I-77 FROM MP 95 TO MP 99 NORTH AND SOUTH BOUND LANES SURRY COUNTY		
DIVISION II		
REVISIONS	INIT.	DATE
N.C. DEPARTMENT of TRANSPORTATION DIVISION of HIGHWAYS DIVISION ELEVEN		SCALE: N/A DATE: 07/2013 PREPARED BY: S.B. DARNELL REVIEWED BY: J.L. LAWS REVIEWED BY:

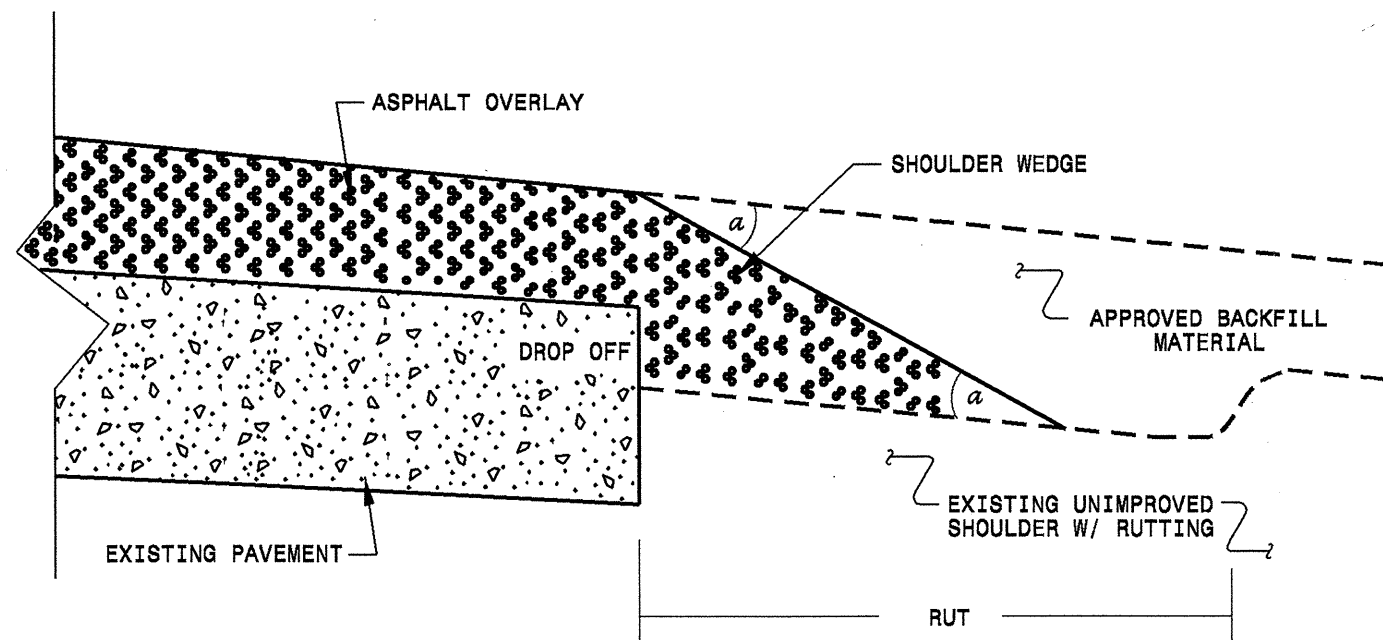
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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:\unc\details\stand\shoulderwedgedetail.dgn		

13-AUG-2013 14:52
 s:\unc\details\stand\shoulderwedgedetail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
I-5603	4	4

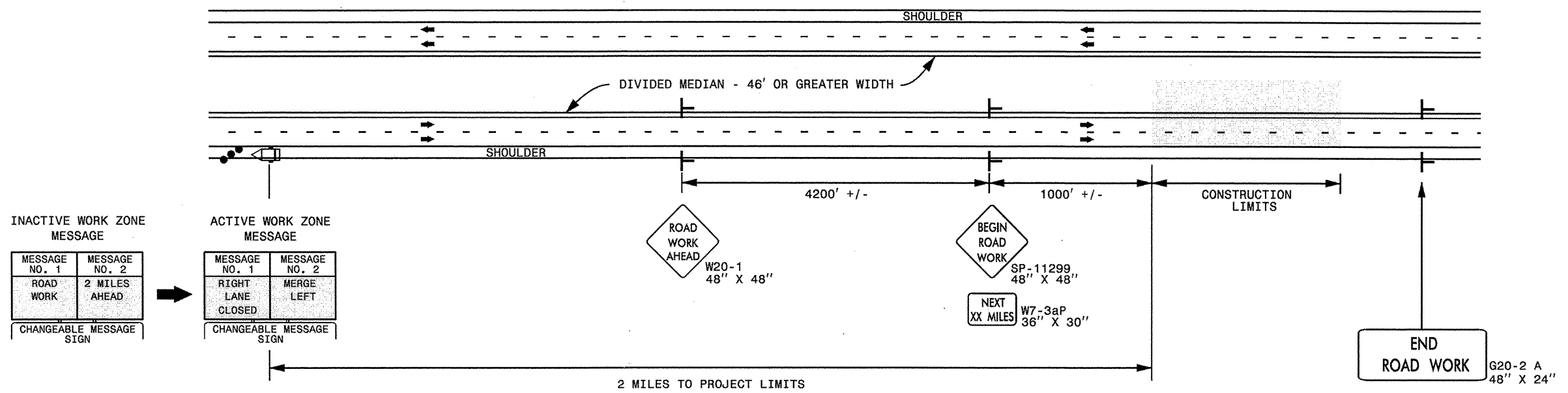
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE) LF	PORTABLE LIGHTING LS	SEEDING AND MULCHNG ACRES
45825.3.1	Surry	1	I-77 NBL	FROM MM 95 TO MM 99	1	2	MD	NO	NO	4	38	400	8.00	56,320	12,271	724	200	42,240	1.00	2.9
45825.3.1	Surry	2	I-77 SBL	FROM MM 95 TO MM 99	1	2	MD	NO	NO	4	24	400	8.00	56,320	12,271	724	200	42,240	*	2.9
TOTAL FOR PROJ NO. 45825.3.1										8		800	16.00	112,640	24,542	1,448	400	84,480	1.00	5.8
GRAND TOTAL										8		800	16.00	112,640	24,542	1,448	400	84,480	1.00	5.8

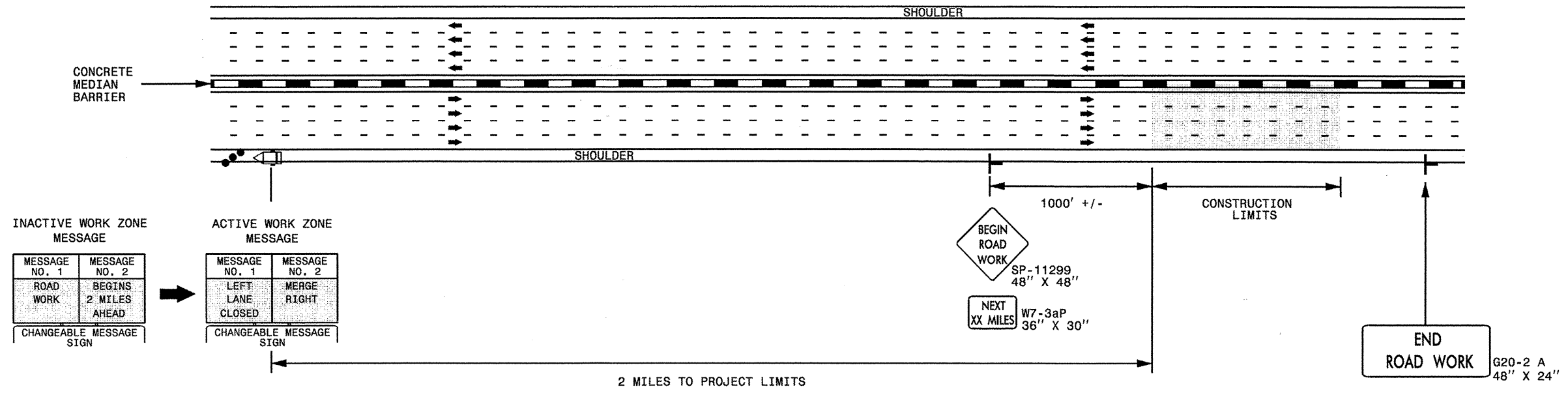
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4589000000-N	4366000000-E	4810000000-E		4847100000-E		4905000000-N
										TEMPORARY TRAFFIC CONTROL	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4" WHITE PAINT	4" YELLOW PAINT	6" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	6" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	SNOW PLOWABLE MARKERS
NO		NO			NO					LS	SF	LF	LF	LF	LF	EA
45825.3.1	Surry	1	I-77 NBL	FROM MM 95 TO MM 99	1	2	MD	4	38	0.50	95	26,400	21,120	26,400	21,120	265
45825.3.1	Surry	2	I-77 SBL	FROM MM 95 TO MM 99	1	2	MD	4	24	0.50	95	26,400	21,120	26,400	21,120	265
TOTAL FOR PROJ NO. 45825.3.1								8		1	190	52,800	42,240	52,800	42,240	530
												95,040		95,040		
GRAND TOTAL								8		1	190	52,800	42,240	52,800	42,240	530
												95,040		95,040		

DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER



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

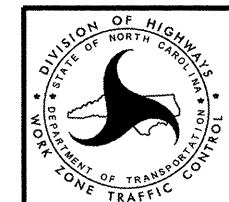


NOTES:

- 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**

I3-AUG-2013 17:20 \\dot\dfs\p001\groups\wztc\Resurfacing\2013\Resurfacing\2013Western\2013.Div\N203316...45825.3.L1-5603-Surry_1-77.m4.sg\Resurfacing-AdvWarn_HSpd.dgn sngreen AT TE265817