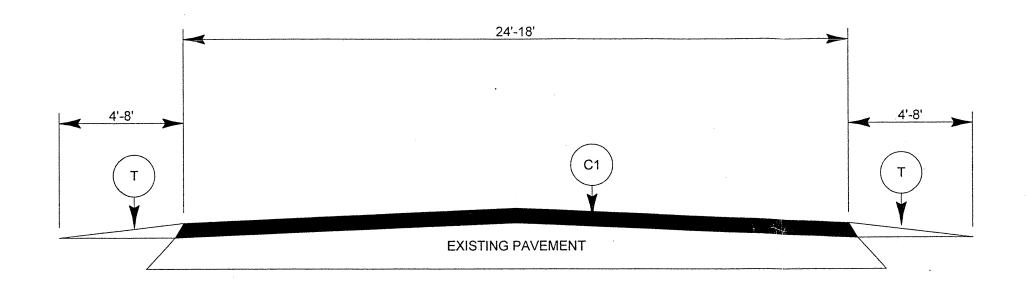


RUTHERFORD COUNTY

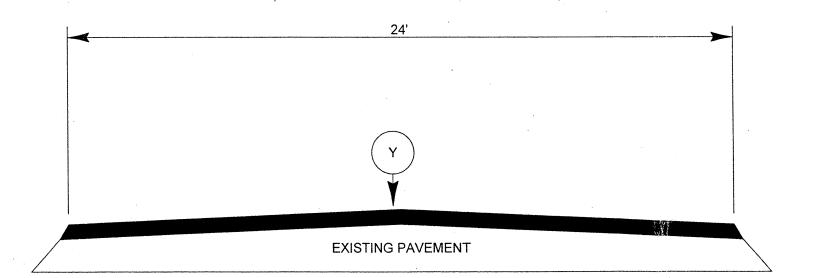
PROJECT NO.

SHEET NO.

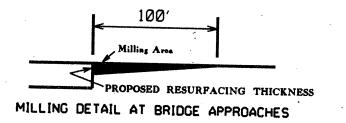
TOTAL SHEETS



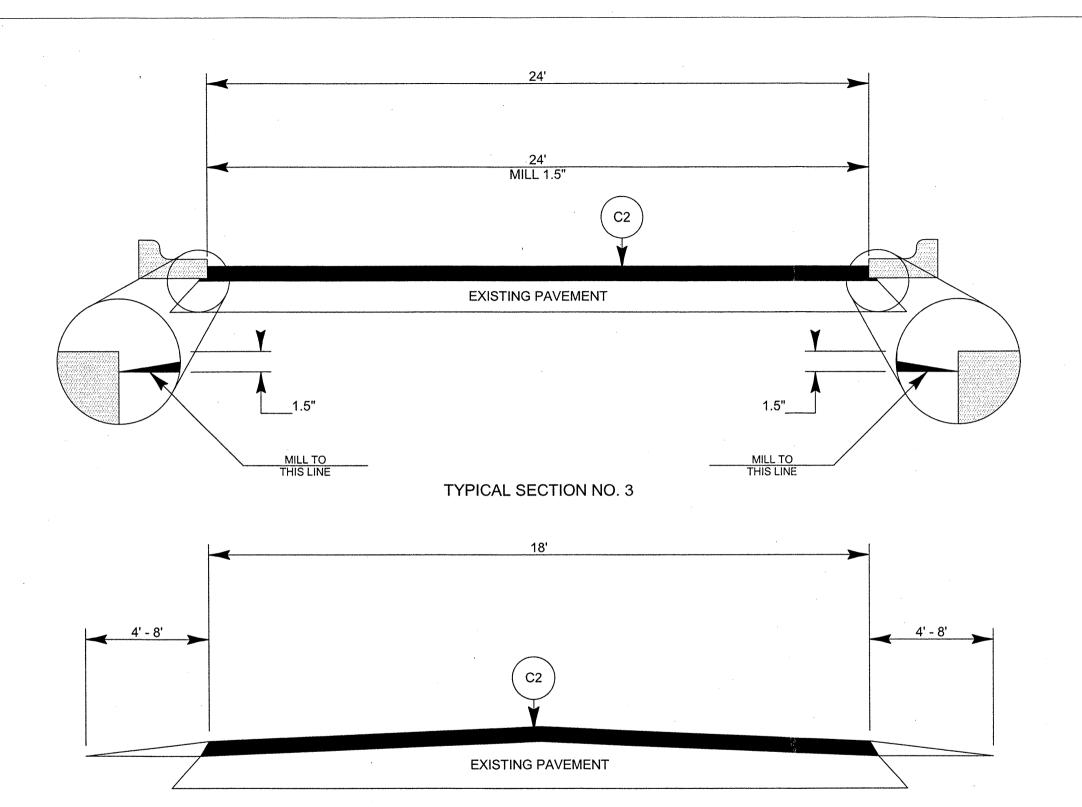




13CR.10811.5, 13CR.20811.5 2	
3	
DEPTH, LENGTH & WIDTH VARIES	
AS DIRECTED BY THE ENGINEER	
2 0 0 0 0 0 0 0 0	
ACBC OR ACSC	
AS DIRECTED BY THE ENGINEER	·
PATCHING EXISTING PAVEMENT	



	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
Т	SHOULDER RECONSTRUCTION
Υ	PROP. APPROX. 5/8" ULTRATHIN HOT MIX ASPHALT, TYPE B, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YARD



PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10811.5, 13CR.20811.5, 41712.3.	4	
41712.5,		

NOTES

ALL UNPAVED 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.
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE FNGINEER.

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.10811.5, 13CR.20811.5	5	
41712.3		

## SUMMARY OF QUANTITIES

							141 141 /		<u> </u>		<i>,</i> , , , ,								
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LENGTH	WIDTH	INCIDENTA	SHOULDER	1½"	SURFACE	SURFACE	PG 64-22	PATCHING	ULTRATHIN	APPLICATI	PG 70-28	MANHOLES	METER OR
								L STONE	RECONSTR	MILLING	COURSE,	COURSE,	PLANT MIX	EXISTING	нот міх	ON OF	PLANT MIX		VALVE BOX
								BASE	UCTION		S9.5B	SF9.5A		PAVEMENT	ASPHALT.	ULTRATHIN			
															TYPE B	HOT MIX			
																ASPHALT			
NO		NO			NO	MI	FT	TONS	SMI	SY	TONS	TON	TONS	TONS	TON	SY	TON	EA	EA
13CR.10811.5	Rutherford	1	NC 9	POLK CO. LINE TO US 64/74A	1	0.92	20	46	1.84		1,059		64	13					
		2	US 64/74A	HEND CO LN TO POOL CR BR	2	3.4	24	170						150	1,763	47,872	92	1	
		3	US 64/74-A	FROM SR 1306 TO SR 1185	1	0.7	24	35	1.40		915		55	15			***************************************		
TOTAL FO	R PROJ NO	. 13CR	.10811.5			5.02		251	3.24		1,974	,	119	178	1,763	47,872	92	1	
13CR.20811.5	Rutherford	4	SR 1510	FROM US 64 TO SR 1548	1	3.01	20	151	6.02		3,284		197	100					
				FROM SR 1548 TO NCL FOREST								***************************************							
3		5	SR 1510	CITY	1	1.95	20	98	3.90		2,127		128	55				į	
		6	SR 1145	FROM NC 108 TO SR 1153	1	1.2	18	60	2.40		1,179		71	50					
		7	SR 1153	FROM SR 1145 TO BEG. NEW PVT.	1	3.61	18	181	7.22		3,547		213	150				}	
		8	SR 1166	FROM NC 108 TO SR 1165	. 3	0.27	24			3,802.00		347	23	3				2	2
		9	SR 2201	FROM US 74-A TO US 221	1	1.67	20	84	3.34		1,822		109	100					
		10	SR 1006	FROM NC 226 TO SR 1749	1	2.33	20	117	4.66		2,542		153	55					
		11	SR 1194	FROM NC 108 TO SR 1160	4	0.8	18	40	1.60			772	50	26					
TOTAL FO	R PROJ NO	. 13CR	.20811.5			14.84		731	29.14	3,802.00	14,501	1,119	944	539				2	2
				BRIDGE OVER SR 1005 EASTERLY		·													
41712.3	Rutherford	12	US 74 EB	FOR 1 MILE	2	1	24								494	14,080	26		
TOTAL	FOR PROJ	NO. 41	712.3			1		<u> </u>							494	14,080	26		
						<del>,</del>					·			· · · · · · · · · · · · · · · · · · ·					
	GRAND TO	TAL				20.86		982.00	32.38	3,802.00	16,475	1,119	1,063	717	2,257	61,952	118	3	2

## THERMOPLASTIC AND PAINT QUANTITIES

					4685000000-E 4686000000-E		0000-E	4697000000-E	481000	0000-E	
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	4" X 90 M	4" X 90 M   4" X 90 M		4" X 120 M	8" X 120 M	4" WHITE	4" YELLOW
					WHITE	YELLOW	YELLOW	WHITE	WHITE	PAINT	PAINT
					THERMO	THERMO	THERMO	THERMO	THERMO	•	
					1 1						
					1 1						
NO		NO			LF	LF	LF	LF	LF	LF	LF
13CR.10811.5	Rutherford	1	NC 9	POLK CO. LINE TO US 64/74A	9,715		9,715				
		2	US 64/74A	HEND CO LN TO POOL CR BR	35,904		35,904		288		
		3	US 64/74-A	FROM SR 1306 TO SR 1185	7,392		7,392				
TOTAL FO	D DDO I NO	4200	10044 E		53,011		53,011		288		
IOIALFO	K PROJ NO	. 13Cr		,	53	3,011	53,	011			
13CR.20811.5	Rutherford	4	SR 1510	FROM US 64 TO SR 1548	31,786		31,786				
				FROM SR 1548 TO NCL FOREST							
		5	SR 1510	CITY	20,592		20,592		1		
		6	SR 1145	FROM NC 108 TO SR 1153						25,344	25,344
				·							
		7	SR 1153	FROM SR 1145 TO BEG. NEW PVT.						76,243	76,243
		8	SR 1166	FROM NC 108 TO SR 1165			2,851				
		9	SR 2201	FROM US 74-A TO US 221						35,270	35,270
		10	SR 1006	FROM NC 226 TO SR 1749						49,210	49,210
		11	SR 1194	FROM NC 108 TO SR 1160						16,896	16,896
TOTAL FO	P PPO I NO	1200	20011 5		52,378		55,229			202,963	202,963
IOTAL FO	K FROJ NO	, 13Cr	(.20011.5		52	52,378		229		405	,926
				BRIDGE OVER SR 1005 EASTERLY							
41712.3	Rutherford	12	US 74 EB	FOR 1 MILE	5,280	5,280		2,640			
TOTAL	TOTAL FOR PROJENCE 44740.0			5,280	5,280		2,640	· ·			
TOTAL FOR PROJ NO. 41712.3			10	0,560							
	CDAND TO	TAI			110,669	5,280	108,240	2,640	288	202,963	202,963
	GRAND TOTAL			115,949		110,880			405,926		

WBS Elements: 41712.3 [SF-4913A], 13CR.10811.5 & 13CR.20811.5

PROJ. REFERENCE NO. SHEET NO. See to the Left TCP-1

CAROLINA

NORTH

9F

STATE

TRANSPORTATION

9F

DEPT

HIGHWAYS

OF.

DIVISION

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WARNIN

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WORK

UNDIVIDED

TWO-WAY

FOR

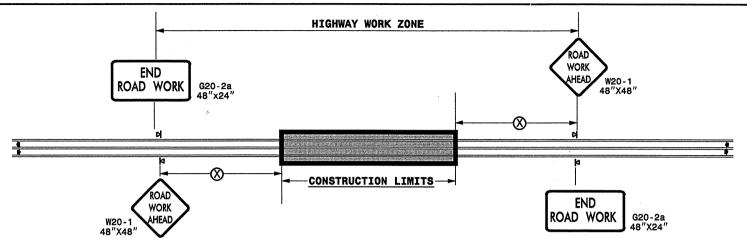
DRAWING

ETAIL

ပ. Z

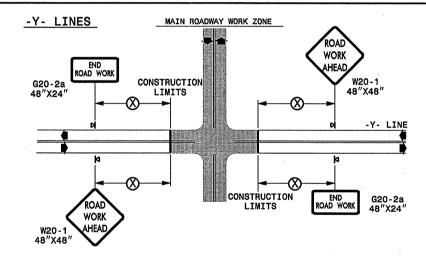
RALEIGH,





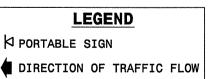
	RECOMMENDED Minimum Sign Spacing
POSTED SPEED LIMIT (M.P.H.)	8
≤ 50	500'
≥ 55	1000′

## ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

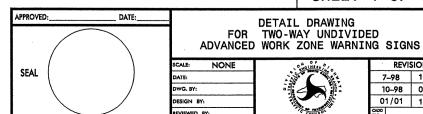


#### **GENERAL NOTES**

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

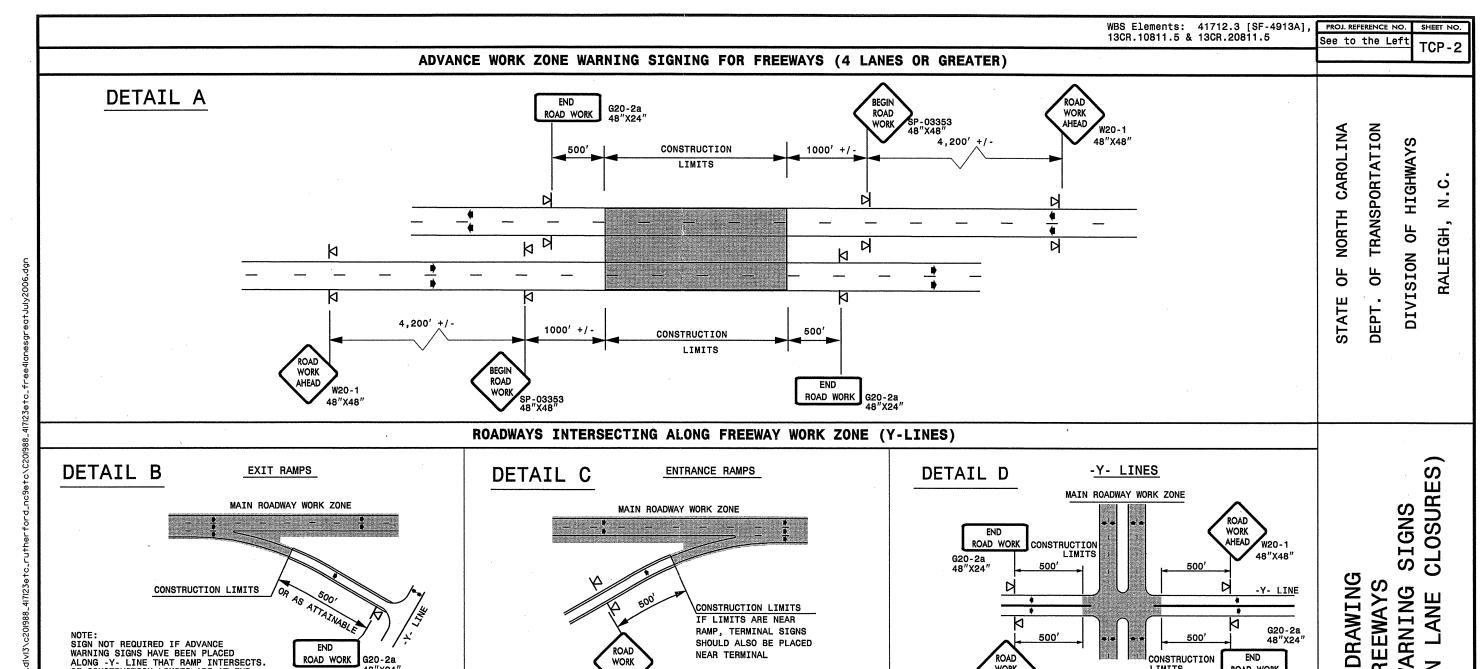


SHEET 1 OF 1



OHOINEES T	REVISIONS					
	798	10/01				
	10-98	03/04				
	01/01	11/04				
CONTROL	CADD FILE					

10-DEC-2007 19:49 \\DDT\DFSR00T0\\GROUPS-WZTCCC psevmore AT WZTC237502



NEAR TERMINAL

### **GENERAL NOTES**

ROAD

WORK

AHEAD

W20-1

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.

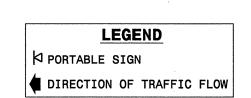
ROAD WORK

IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

G20-2a

48"X24

- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.



CONSTRUCTION

DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

LIMITS

ROAD

WORK

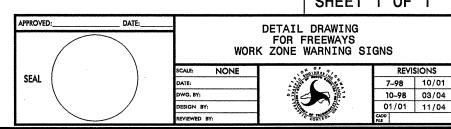
AHEAD

W20-1

48"X48'

DRAWING **FREEWAYS** WARNING LANE **N**0 -DURATI ETAI ZONE FOR WORK SHORT

SHEET 1 OF 1



ROAD WORK

PROJ. REFERENCE NO. SHEET NO. See to the Left TCP-3

# CAROLINA TRANSPORTATION NORTH 9F 9F STATE

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S HIGHWAY 0F SION IVI DEPT 

> FOR DRAWING FOR ZONE SIGNS I ROAD WORK WORK DETAIL

SHEET 1 OF 1

APPROVED: DATE:\_ DETAIL DRAWING FOR ADVANCED WORK ZONE WARNING SIGN DESIGNS REVISIONS NONE SEAL DATE: DWG. BY: DESIGN BY: 08/03 04/04 11/04

#### SP 03353 SIGN NUMBER: SP-03353 BACKG COLOR: Fluorescent Orange DESIGN BY: CL DOWNEY COPY COLOR: Black TYPE: A PROJECT ID: ALL PROJECTS DIV: DIV QUANTITY: 1 X Y WID HT SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" [18.7" WIDTH: 0.75" RADII: 1.38" BEGIN NO. Z BARS: N/A LENGTH: N/A **ROAD** USE NOTES: 2, 4 USE NOTES: 2, 4 1. Legend and border shall be direct applied Type VII reflective sheeting. 2. Legend and border shall be direct applied non-reflective sheeting. 3. Shields shall be Type VII reflective sheeting on 0.032" (0.8ms) aluminum and demountable. 4. Background shall be Type VII reflective sheeting. 5. Background shall be Type II reflective sheeting. 6. Center arrow(s) vertically on sign. WORK 18.7" **BORDER** Center arrow(s) vertically on sign. -Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is: R=I.38" TH=0.75" 21.6" 22.4" IN=0.59" LETTER POSITIONS Letter spacings are to start of next letter C7 19.6 C7 21.2

Spacing Factor is 1 unless specified otherwise

10-DEC-2007 19:50 \\D0T\DFSR00T01\CROUPS-WZTCCC DSeymore AT WZTC237502

## GENERAL NOTES FOR SIGN SP-03353 "BEGIN ROAD WORK"

- -SIGN SP-03353 "BEGIN ROAD WORK" ONLY APPLIES TO FULL CONTROL AND PARTIAL CONTROL OF ACCESS ROADWAYS -WHEN USED, INSTALL SIGN SP-03353 "BEGIN ROAD WORK" ACCORDING TO DETAIL FOR FREEWAY WORK ZONE SIGNS