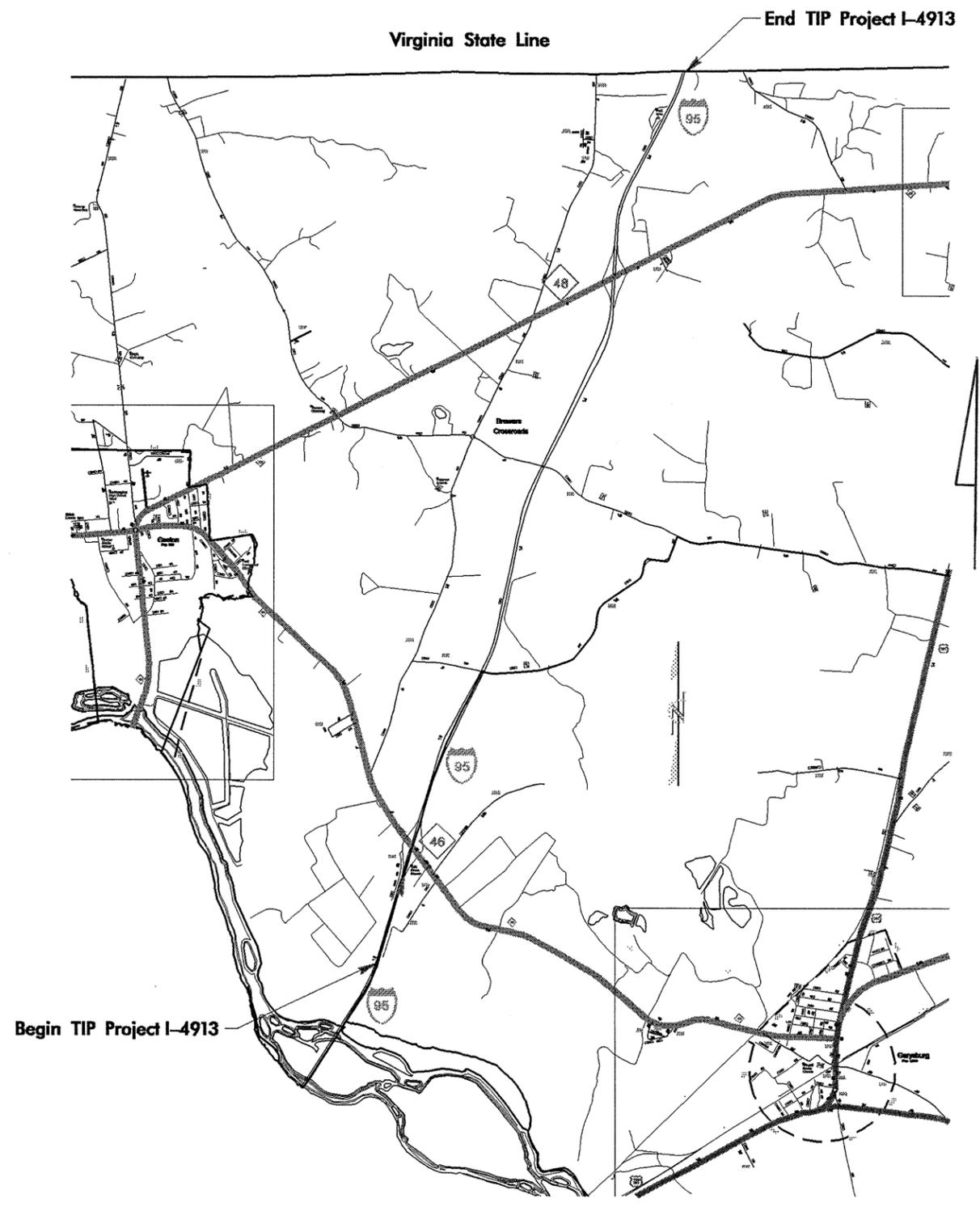


I-4913 - Northhampton County
I-95 from South of NC 46 to the Virginia State Line



FINAL PAVEMENT DESIGN

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.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. TO BE PLACED IN MILLED OUT AREAS
M	MILLING BITUMINOUS PAVEMENT 1 1/2" DEPTH.
U	EXISTING PAVEMENT.
Z	MILLED RUMBLE STRIPS

NOTES TO CONTRACTOR

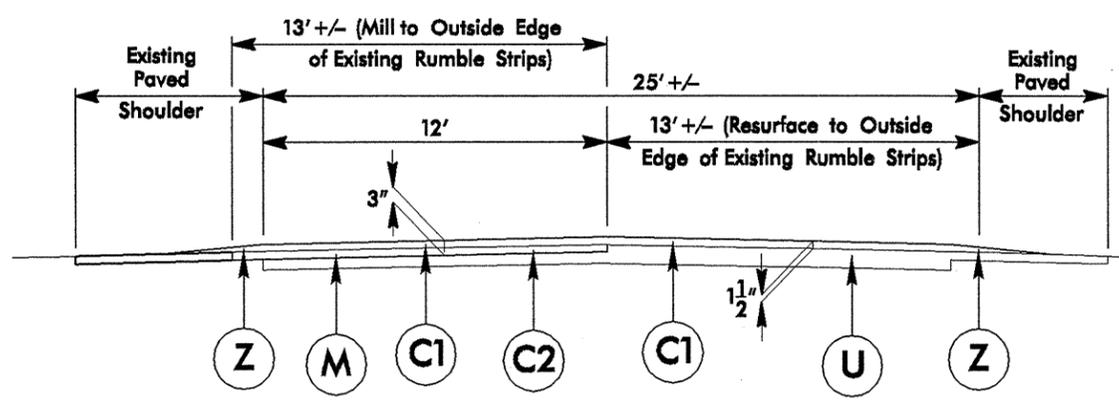
CONTRACTOR TO TAPER DOWN 1 1/2" SURFACE COURSE OVER A WIDTH OF 4 FEET OVER EXISTING PAVED SHOULDER
 FOR BRIDGE LOCATIONS, CONTRACTOR WILL MILL 1 1/2" AND FILL 1 1/2" FOR THE FULL 26' WIDTH IN BOTH NB AND SB DIRECTIONS. THERE WILL BE NO ADDITIONAL 1 1/2" OVERLAY. LIMITS OF THIS WORK AT EACH LOCATION SHALL BE ESTABLISHED BY THE ENGINEER

BRIDGE LOCATIONS FOR THIS PROJECT ARE:

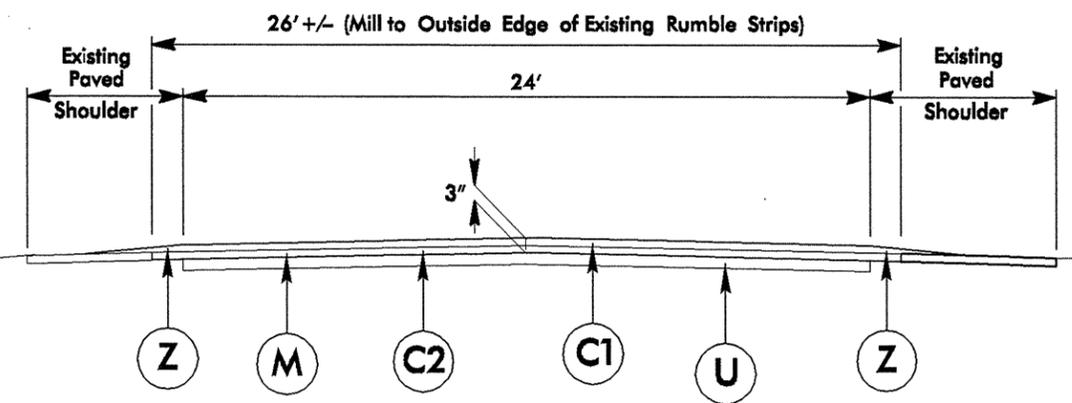
- NC 46
- SR 1202
- SR 1201
- NC 48

CONTRACTOR SHALL PLACE INTERLAYER PAVING MAT IN MILLED SECTIONS AT BRIDGE LOCATIONS AS DIRECTED BY THE ENGINEER

Map # 2
I-95 South Bound



Map # 1
I-95 North Bound



TYPICAL SECTION NO. 1

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PROJECT NO.	SHEET NO.	TOTAL NO.
I-4913	3	4

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	1½" MILLING SY	NON-WOVEN FIBER./POLY. INTER. PAV. MAT. SY	MILLED RUMBLE STRIPS LF	SURFACE COURSE, S9.5C TONS	PG 70-22 PLANT MIX TONS
	Northampton	1	I-95 NB	FROM SOUTH OF NC 46 TO THE VIRGINIA STATE LINE	1	6.5	Var. 26-32	109,100	6,000	69,000	19,800	1,188
Total for Map No. 1						6.5		109,100	6,000	69,000	19,800	1,188
	Northampton	2	I-95 SB	FROM SOUTH OF NC 46 TO THE VIRGINIA STATE LINE	1	6.5	Var. 13-32	54,500	6,000	69,000	15,149	909
Total for Map No. 2						6.5		54,500	6,000	69,000	15,149	909
TOTAL FOR PROJ NO.						13		163,600	12,000	138,000	34,949	2,097
GRAND TOTAL						13		163,600	12,000	138,000	34,949	2,097

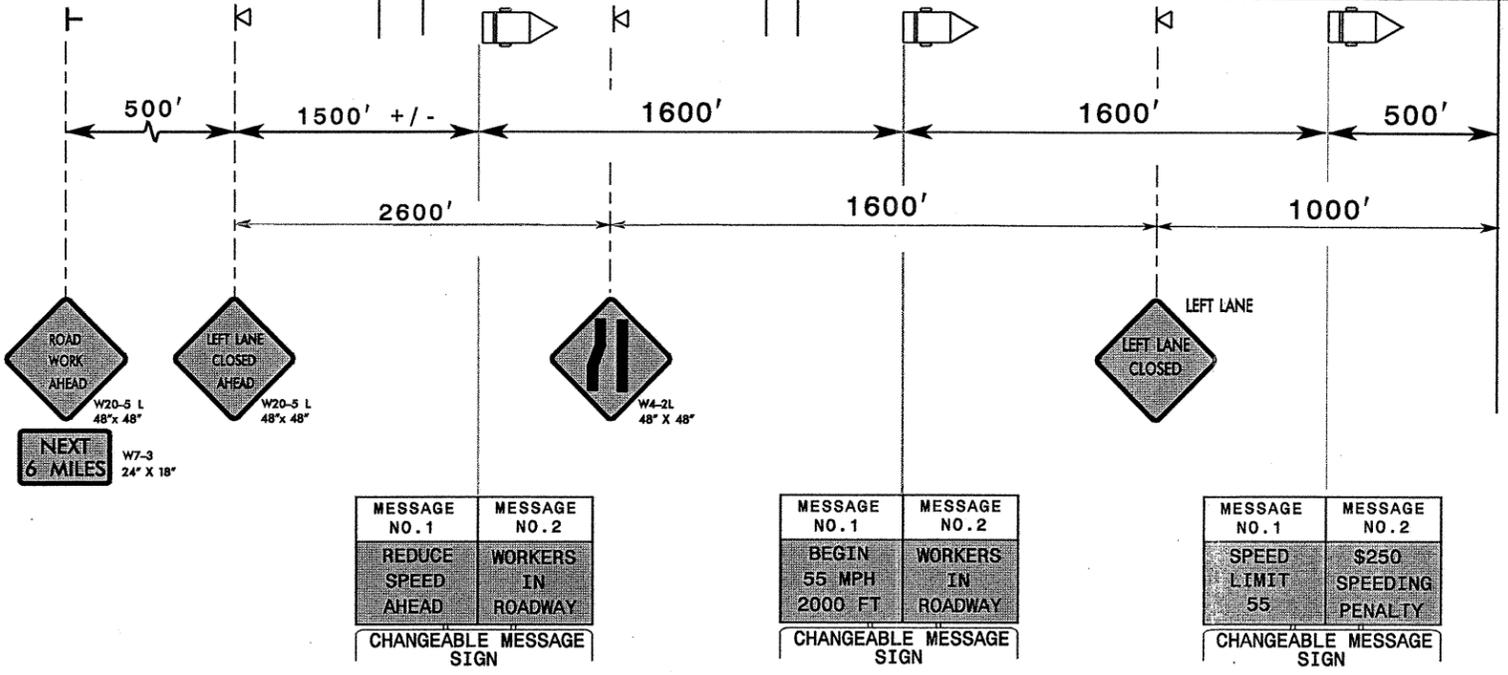
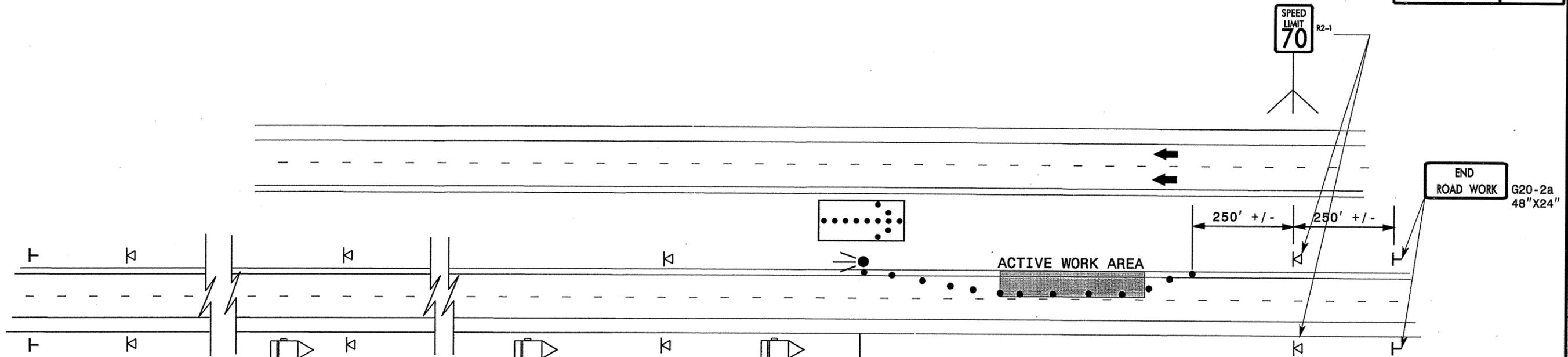
PROJECT NO.	SHEET NO.	TOTAL NO.
I-4913	4	4

POLYUREA AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4847100000-E		4847120000-E	4815000000-E		4825000000-E	4415000000-N	4420000000-N	4430000000-N	4480000000-N	4905000000-N
					6" WHITE POLYUREA	6" YELLOW POLYUREA	12" WHITE POLYUREA	6" WHITE PAINT	6" YELLOW PAINT	12" WHITE PAINT	FLASHING ARROW PANELS, TYPE C EA	CHANGE. MESSAGE SIGN EA	DRUMS EA	TMIA EA	SNOW PLOWABLE MARKERS EA
	Northampton	1	I-95 NB	FROM SOUTH OF THE VIRGINIA STATE LINE	43,500	34,400	1,000	43,500	34,400	1,000	1	4	500	2	500
Total for Map No. 1					43,500	34,400	1,000	43,500	34,400	1,000	1	4	500	2	500
	Northampton	2	I-95 SB	FROM SOUTH OF THE VIRGINIA STATE LINE	43,500	34,400	1000	43,500		1,000	*	*	*	*	500
Total for Map No. 2					43,500	34,400	1,000	43,500		1,000	*	*	*	*	500
TOTAL FOR PROJ NO.					87,000	68,800	2,000	87,000	34,400	2,000	1	4	500	2	1,000
					155,800			121,400							
GRAND TOTAL					87,000	68,800	2,000	87,000	34,400	2,000	1	4	500	2	1,000
					155,800			121,400							

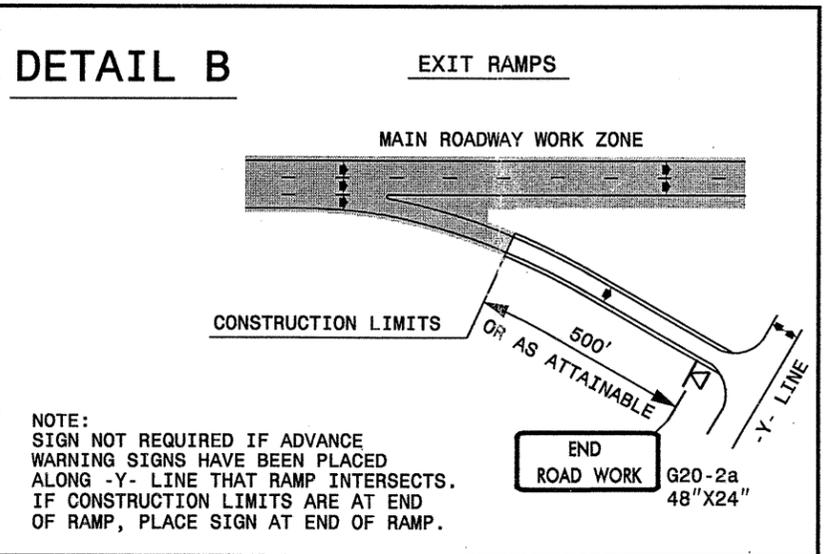
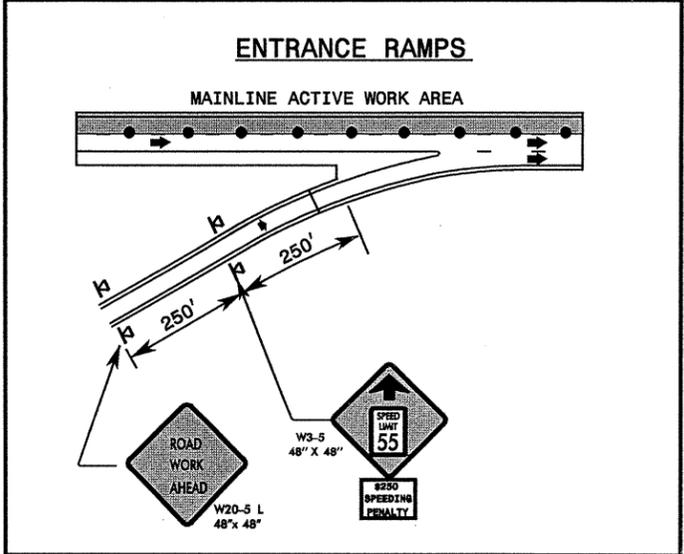
Note: The Contractor's attention is directed to Section 1205-5 of the 2006 Standard Specifications for Roads and Structures. There will be no direct payment for pavement marking paint applied to the final surface course prior to the application of the Polyurea Pavement Markings

NOTE: ITEMS WITH AN * ARE TO BE USED FOR MAPS 1 AND 2.



GENERAL NOTES

- THIS DRAWING IS INTENDED TO SHOW THE CMS LOCATION AND MESSAGING REQUIRED FOR A "TEMPORARY SPEED LIMIT" REDUCTION ON A FREEWAY WHICH IS TO BE REDUCED FROM 70 MPH TO 55 MPH. REFER TO THE ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 9 FOR ADDITIONAL LANE CLOSURE REQUIREMENTS AND GENERAL NOTES.
 - EACH DIRECTION OF THE PROJECT IS TO BE EVALUATED FOR THE "TEMPORARY SPEED LIMIT" REDUCTION. THIS DRAWING INTENTIONALLY HAS 1 DIRECTION SIGNED AS A REMINDER TO CAREFULLY CONSIDER WHETHER BOTH DIRECTIONS OF THE PROJECT NEED TO HAVE THE SPEED LIMIT REDUCED.
 - IN ADDITION, FOR ACTIVE WORK AREAS THAT EXCEED 1 MILE IN LENGTH, AN EVALUATION IS TO BE MADE TO DETERMINE IF ADDITIONAL CMS'S ARE NEEDED TO SUPPLEMENT THE INITIAL ONES. PORTABLE MOUNTED W3-5 SIGNS WITH SPEED PENALTY SIGNS ARE TO BE PLACED ALONG ENTRANCE RAMP LOCATED WITHIN THE ACTIVE WORK AREA.
 - THE \$250 SPEEDING PENALTY APPLIES FOR ALL PROJECTS THAT QUALIFY FOR A "TEMPORARY SPEED LIMIT" REDUCTION.
 - THE "TEMPORARY SPEED LIMIT" REDUCTION IS ONLY IN EFFECT WHEN WORKERS ARE PRESENT. THE SPEED LIMIT AND SPEED PENALTY MESSAGES ARE TO BE REMOVED AND THE SIGNS ARE TO BE TURNED OFF OR OTHER PERTINENT MESSAGING MAY BE DISPLAYED AT THE DIRECTION OF THE ENGINEER IN COORDINATION WITH THE WORK ZONE TRAFFIC CONTROL UNIT (919-250-4159). AT THE COMPLETION OF THE ACTIVITY, THE REGIONAL TRAFFIC ENGINEER SHALL BE NOTIFIED BY THE RESIDENT ENGINEER TO RESCIND THE ORDINANCE.
 - WHEN "TEMPORARY SPEED LIMIT" REDUCTIONS ARE IN EFFECT, THE CONTRACTOR IS TO COVER ANY EXISTING SPEED LIMIT SIGNS LOCATED WITHIN THE ACTIVE WORK AREA THAT CONFLICT WITH THE "TEMPORARY SPEED LIMIT" REDUCTION.
 - 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 MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.



APPROVED: _____ DATE: _____	"TEMPORARY SPEED LIMIT" REDUCTION WITH PORTABLE CMS'S- ABOVE 10 MPH													
			<table border="1"> <tr> <td>SCALE: NONE</td> <td rowspan="4"> </td> <td>REVISIONS</td> </tr> <tr> <td>DATE: 02/15/07</td> <td></td> </tr> <tr> <td>DWG. BY: JSK</td> <td></td> </tr> <tr> <td>DESIGN BY: JSK</td> <td></td> </tr> <tr> <td>REVIEWED BY: JSK</td> <td></td> <td> <table border="1"> <tr> <td>CHD FILE</td> </tr> </table> </td> </tr> </table>	SCALE: NONE		REVISIONS	DATE: 02/15/07		DWG. BY: JSK		DESIGN BY: JSK		REVIEWED BY: JSK	
SCALE: NONE		REVISIONS												
DATE: 02/15/07														
DWG. BY: JSK														
DESIGN BY: JSK														
REVIEWED BY: JSK		<table border="1"> <tr> <td>CHD FILE</td> </tr> </table>	CHD FILE											
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SIGN NUMBER: SP-03350 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.4" WIDTH: 0.5" RADIUS: 1.5" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: White COPY COLOR: Black	DESIGN BY: CL DOWNEY PROJECT ID:	CHECKED BY: DIV	STD #: REGULATORY DATE: Aug 18, 2003
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BORDER
R=1.5"
TH=0.5"
IN=0.4"

SP 03350

LETTER POSITIONS

Letter spacings are to start of next letter

	\$	2	5	0							Series/Size Text Length
15.1	5.3	4.6	4.2	3.5	15.4						C6
	S	P	E	E	D	I	N	G			17.6
8.1	4.6	4.3	4	4	4.6	2.1	4.4	3.4	8.2		C6
	P	E	N	A	L	T	Y				31.8
11.9	4.6	4	4.3	4.7	3.4	3.3	3.7	8.2			C6
											28

Spacing Factor is 1 unless specified otherwise

SIGN NUMBER: SP07008 TYPE: D QUANTITY: 1 SIGN WIDTH: 48" HEIGHT: 30" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.5" WIDTH: 0.75" RADIUS: 1.88" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: White COPY COLOR: Black	DESIGN BY: R. HENNEIN PROJECT ID: N/A	CHECKED BY: DIV	STD #: N/A DATE: Jan 12, 2007
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BORDER
R=1.88"
TH=0.75"
IN=0.5"

SP 07008

LETTER POSITIONS

Letter spacings are to start of next letter

	E	N	D	\$	2	5	0					Series/Size Text Length
6.9	4.1	4.7	3.4	8	4.3	4.1	4.3	3.5	6.9			C 2000
	S	P	E	E	D	I	N	G				34.3
8.1	4.4	4.6	4.1	4.1	4.6	2.2	4.6	3.4	8.1			C 2000
	P	E	N	A	L	T	Y					31.7
9.9	4.6	4.1	4.2	4.7	3.4	3.4	3.8	9.9				C 2000
												28.2

Spacing Factor is 1 unless specified otherwise

SP 03353

SIGN NUMBER: SP-03353 TYPE: A QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.59" WIDTH: 0.75" RADIUS: 1.38" NO. Z BARS: N/A LENGTH: N/A	BACKG COLOR: Fluorescent Orange COPY COLOR: Black	DESIGN BY: CL DOWNEY PROJECT ID: ALL PROJECTS	CHECKED BY: CHECKED DIV: DIV	STD #: W20-1 DATE: Aug 20, 2003
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BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter

	B	E	G	I	N							Series/Size Text Length
22.4	5.3	4.6	5.4	2.5	3.8	22.4						C7
	R	O	A	D								21.6
23.4	5	5.2	5.6	3.8	23.4							19.6
	W	O	R	K								C7
22.6	6.4	5.6	5.2	4	22.6							21.2

Spacing Factor is 1 unless specified otherwise

APPROVED: _____ DATE: _____	SIGN DESIGNS	
SEAL 	SCALE: NONE	REVISIONS
	DATE: 02/07	
	DWG. BY: DWB	
	DESIGN BY: DWB	
REVIEWED BY: JDK		

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