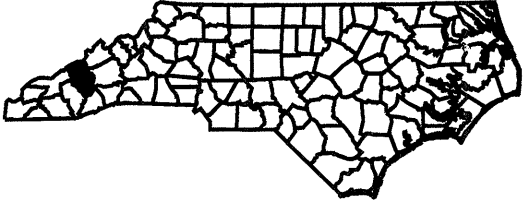
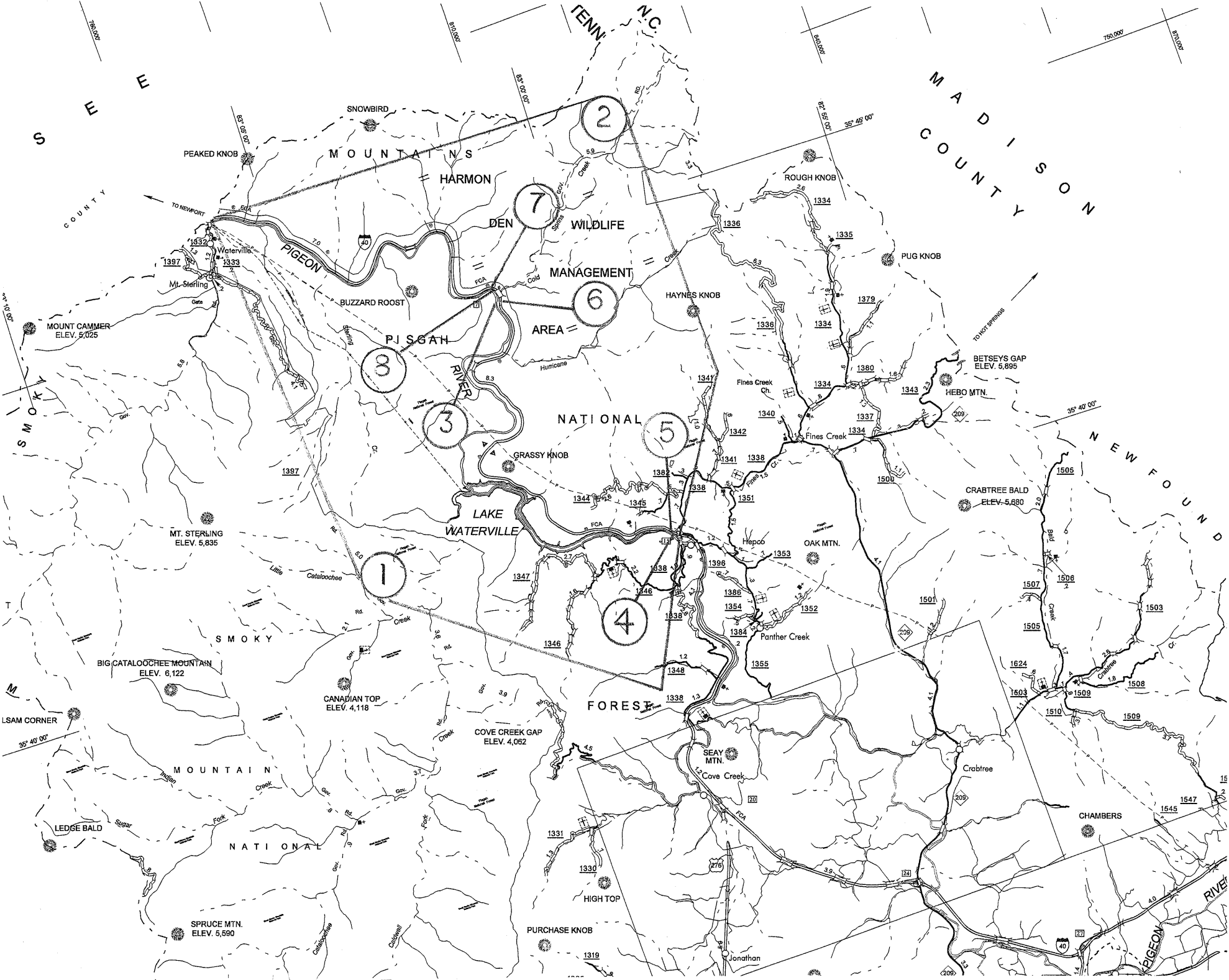


HAYWOOD COUNTY

NORTH CAROLINA

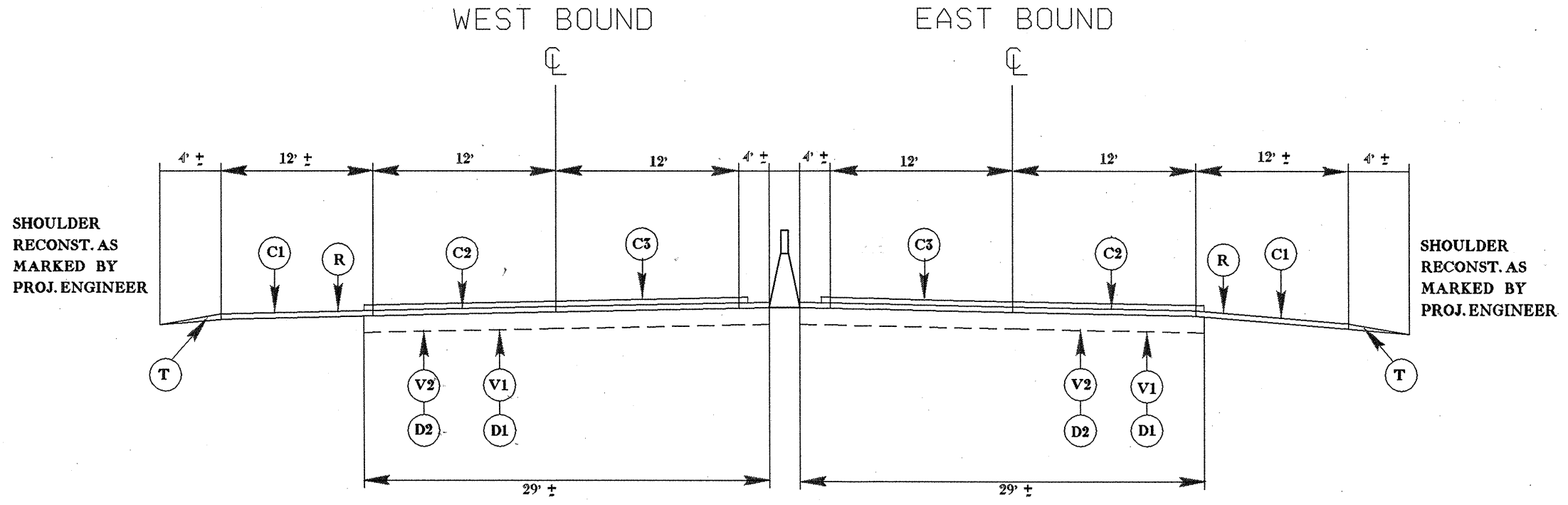
PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	1	5



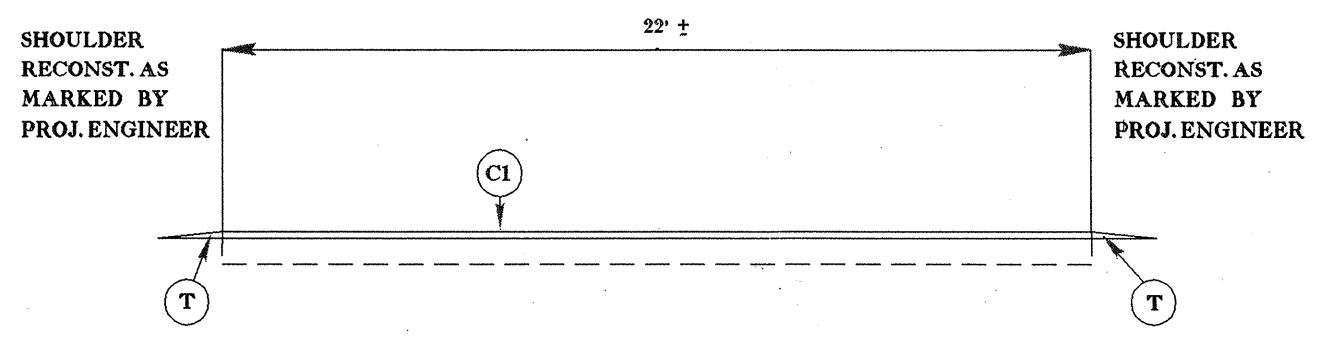
0510157

PROJECT REFERENCE NO.		SHEET NO.
I-4910 (39997.3.GV1)		2 of 5
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
39997.3.GV1		

TYPICAL 1



TYPICAL 2

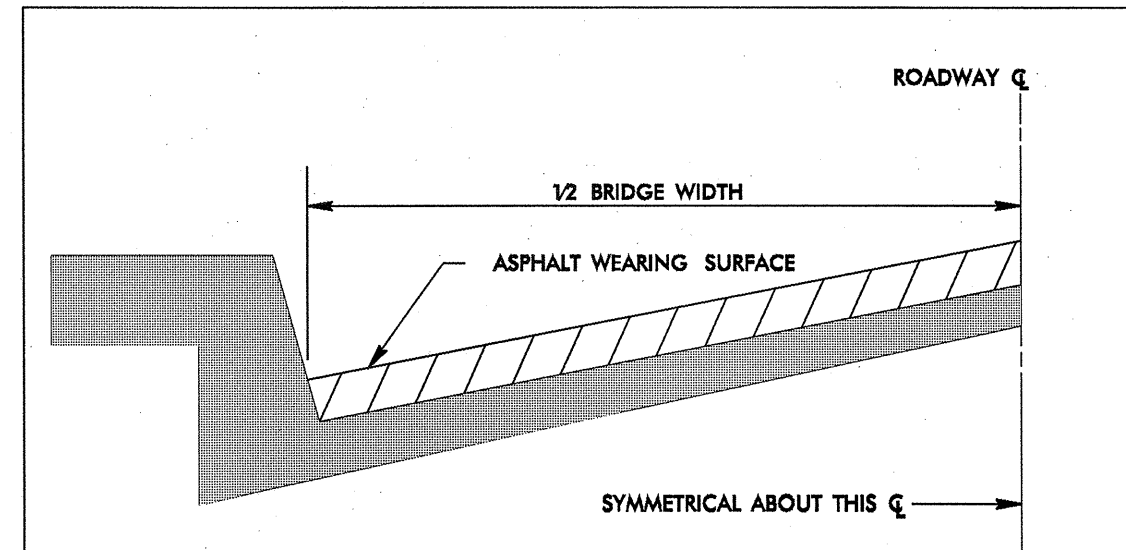


050197

SURFACING SCHEDULE

ITEM NO	DESCRIPTION
C1	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1.5").
C2	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. (1.5")
C3	OPEN GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED AT AN AVERAGE RATE OF 75 LBS. PER SQ. YD.
D1	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. (3"), AT LOCATIONS AS DIRECTED BY THE ENGINEER.
D2	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0D, AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD. (6") IN TWO LAYERS OF 342 LBS. PER SQ. YD. (3") EACH, AT LOCATIONS AS DIRECTED BY THE ENGINEER.
R	MILLED RUMBLE STRIPS
V1	MILLING ASPHALT PAVEMENT 3" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
V2	MILLING ASPHALT PAVEMENT 6" IN DEPTH AS DIRECTED BY PROJECT ENGINEER.
T	SHOULDER CONSTRUCTION WITH ABCM - SEE SPECIAL PROVISIONS

PROJECT REFERENCE NO.		SHEET NO.
I-4910 (39997.3.GV1)		3 of 5
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
39997.3.GV1		



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

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.
 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.

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	4	5

Summary of Quantities

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	MOBILIZATION LS	PIPE CLEAN-OUT EA	SHOULDER RECONSTRUCTION SMI	3" MILLING SY	6" MILLING SY	MILLED RUMBLE STRIPS LF	INTER-MEDIATE COURSE, I19.0D TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5D TON	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PG76-22, PLANT MIX TON	OGAFC, TYPE FC1 MODIFIED TON	FRAME WITH 2 GRATES, 840.22 EA	STEEL FRAM WITH 2 GRATES, 840.37 EA
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	1	14.8	42	*	10	8.15	46,500	36,500	77,800	22,145	8,927	20,830	536	1,041	1,703	8,850	5	5
		2	I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	1	14.8	42	*	10	11.43	46,500	36,500	77,800	22,145	8,927	20,830	536	1,041	1,703	8,850	2	
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.3	22	*		0.47					350		21					
		4	RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338	2	0.29	22	*		0.28					330		20					
		5	RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40	2	0.24	19	*		0.47					220		13					
		6	RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD	2	0.23	19	*		0.28					216		13					
		7	RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.29	22	*		0.28					330		13					
		8	RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40	2	0.24	22	*		0.57					270		16					
TOTAL FOR PROJ NO. 39997.3.GV1						14.8		LS	20	21.93	93,000	73,000	155,600	44,290	19,570	41,660	1,168	2,082	3,406	17,700	7	5
GRAND TOTAL						14.8		LS	20	21.93	93,000	73,000	155,600	44,290	19,570	41,660	1,168	2,082	3,406	17,700	7	5

Summary of Quantities

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	FRAME WITH 2 GRATES, 840.20 EA	CONCRETE APRON FOR DROP INLET EA	DRAINAGE STRUCTURE CLEAN-OUT EA	DRAINAGE STRUCTURE REPAIR LF	2'-6" CURB & GUTTER LF	CONCRETE PAVED DITCH SY	ADJUST CATCH BASIN EA	ADJUST DROP INLET EA	STEEL BEAM GUARDRAIL LF	TRIPLE CORRUGATED STEEL BM GUARDRAIL LF	TRIPLE C GR TERMINAL SECTION EA	W-TR BM GUARDRAIL TRANSITION SECTION EA	GUARDRAIL ANCHOR UNIT, CAT-1 EA	GUARDRAIL ANCHOR UNIT, TYPE 350 EA	REMOVE EXISTING GUARDRAIL LF
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	1	14.8	42	5	25	30	10	1,500	10	50	5	2,200	25	2	2	5	6	2,200
		2	I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	1	14.8	42	2	15	30	10	1,500	50	47	3	600	25	2	2	10	2	600
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.3	22													1		
		4	RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338	2	0.29	22									100						100
		5	RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40	2	0.24	19													1		
		6	RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD	2	0.23	19															
		7	RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40	2	0.29	22													1		
		8	RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40	2	0.24	22									250						250
TOTAL FOR PROJ NO. 39997.3.GV1						14.8		7	40	60	20	3,000	60	97	8	3,150	50	4	4	18	8	3,150
GRAND TOTAL						14.8		7	40	60	20	3,000	60	97	8	3,150	50	4	4	18	8	3,150

PROJECT NO.	SHEET NO.	TOTAL NO.
I-4910 (39997.3.GV1)	5	5

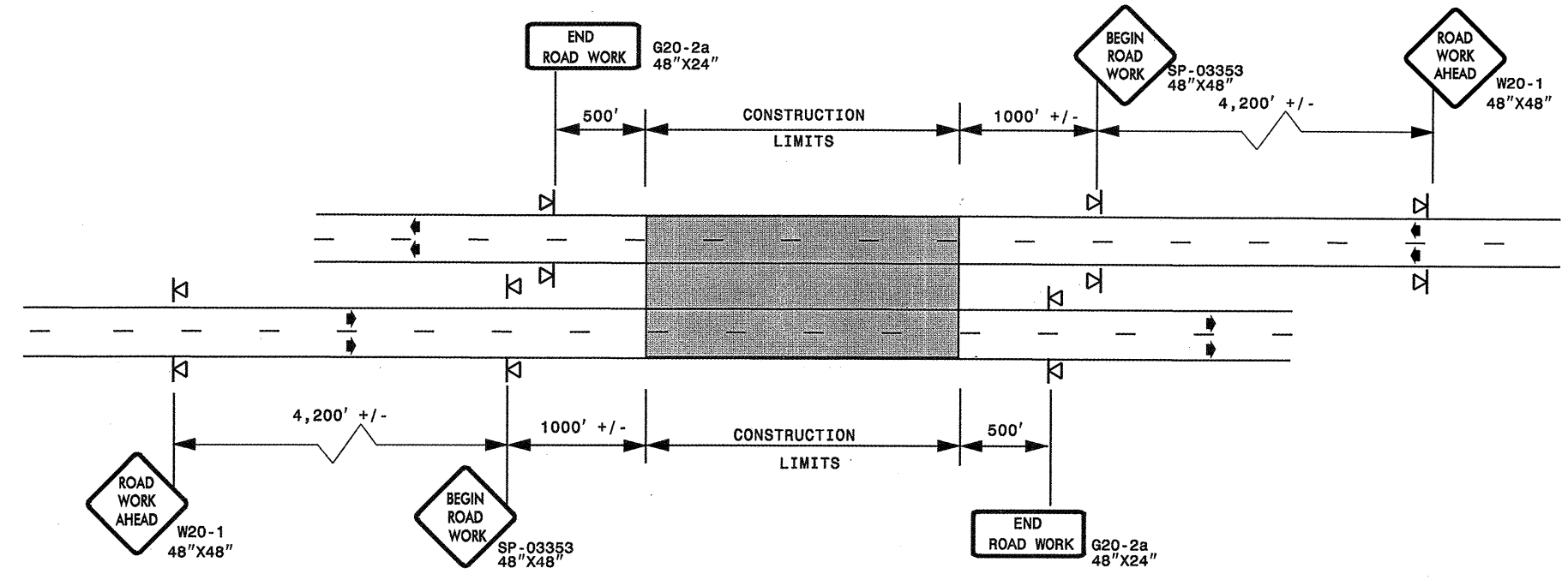
Polyurea & Paint Quantities

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4400000000-E	4405000000-E	4415000000-E	4420000000-N	4430000000-E	4435000000-E	4480000000-N	4810000000-E		4840000000-E	4847000000-E			
					STATIONARY WORK ZONE SIGN SF	PORTABLE WORK ZONE SIGN SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGNS EA	DRUMS EA	CONES EA	TRUCK MTD IMP ATTN 60 MPH EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	PAINT PAVEMENT MARKING CHARACTER EA	4" WHITE POLYUREA LINES, STANDARD BEADS LF	4" YELLOW POLYUREA LINES, STANDARD BEADS LF		
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	421	400	4	4	600	275	6	194,500	155,600	128				
			I-40 WEST	FROM TENNESSEE LINE TO MM 14.8										194,500	155,600	128		
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40													1,550	775
			RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338													1,500	575
			RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40													1,250	425
			RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD													1,250	575
			RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40													1,175	725
			RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40													1,250	725
TOTAL FOR PROJ NO. 39997.3.GV1					421	400	4	4	600	275	6	389,000	311,200	256	7,975	3,800		
GRAND TOTAL					421	400	4	4	600	275	6	389,000	311,200	256	7,975	3,800		

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4847100000-E		4847110000-E	4847140000-E	4847200000-E				4905000000-N	
					6" WHITE POLYUREA LINES, STANDARD BEADS LF	6" YELLOW POLYUREA LINES, STANDARD BEADS LF	8" WHITE POLYUREA LINES, STANDARD BEADS LF	24" WHITE POLYUREA LINES, STANDARD BEADS LF	POLYUREA MK CHARACTER (NO) EA	POLYUREA MK CHARACTER (TRUCKS) EA	POLYUREA MK CHARACTER (THIS) EA	POLYUREA MK CHARACTER (LANE) EA	SNOW PLOWABLE MARKERS (CRYSTAL & RED) EA	
39997.3.GV1	Haywood	1	I-40 EAST	FROM THE TENNESSEE LINE TO MM 14.8	97,250	77,800	1,400		7	7	7	7	1,700	
			I-40 WEST	FROM TENNESSEE LINE TO MM 14.8	97,250	77,800	1,400		6	6	6	6	1,700	
		3	RAMP	EASTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40										
			RAMP	EASTBOUND EXIT RAMP FROM I-40 TO SR1338				40						
			RAMP	WESTBOUND ACCESS RAMP FROM SR1338 TO I-40										
			RAMP	WESTBOUND EXIT RAMP FROM I-40 TO COLD SPRINGS RD				40						
			RAMP	WESTBOUND ACCESS RAMP FROM COLD SPRINGS RD TO I-40										
			RAMP	EASTBOUND EXIT RAMP FROM COLD SPRINGS RD TO I-40				40						
TOTAL FOR PROJ NO. 39997.3.GV1					194,500	155,600	2,800	120	13	13	13	13	3,400	
GRAND TOTAL					194,500	155,600	2,800	120	13	13	13	13	3,400	

ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

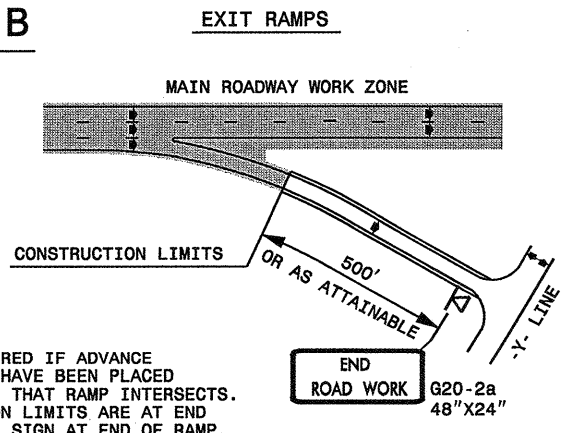
DETAIL A



STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

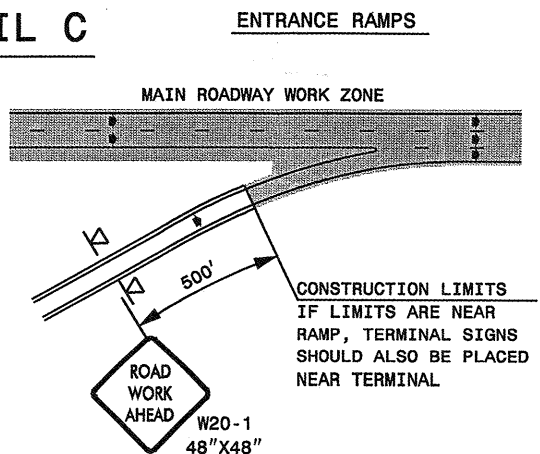
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B



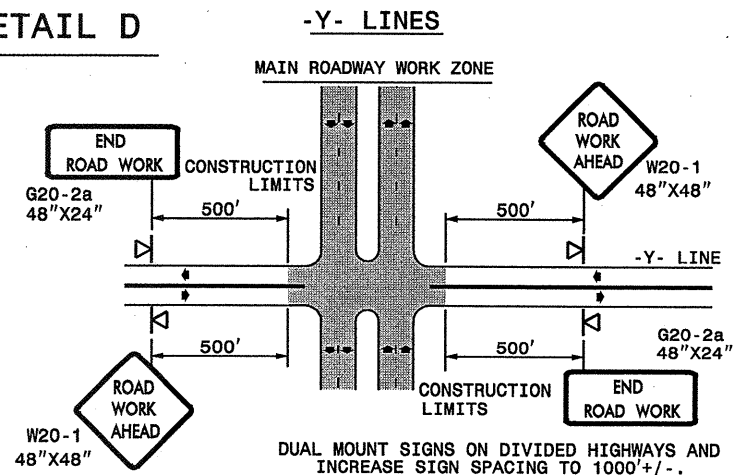
NOTE:
 SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



CONSTRUCTION LIMITS IF LIMITS ARE NEAR RAMP, TERMINAL SIGNS SHOULD ALSO BE PLACED NEAR TERMINAL

DETAIL D



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

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 MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

- ▤ PORTABLE SIGN
- ➔ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING
 FOR FREEWAYS
 WORK ZONE WARNING SIGNS
 (SHORT-DURATION LANE CLOSURES)

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS	
SEAL			
SCALE: NONE		REVISIONS	
DATE: _____		7-98	10/01
DWG. BY: _____		10-98	03/04
DESIGN BY: _____		01/01	11/04
REVIEWED BY: _____	CADD FILE		

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 \\DOT\BFSROOT\GROUPS-WZ\TCCC\design\group4\resurfacing\resurfacing2006\d1v14\399973gvifree4lanesgreat_july2006.dgn
 pseymore AT WZTC206427

SP 03353

SIGN NUMBER: SP-03353	BACKG COLOR: Fluorescent Orange	DESIGN BY: CL DOWNEY	CHECKED BY: CHECKED	STD #: W20-1
TYPE: A	COPY COLOR: Black	PROJECT ID: ALL PROJECTS	DIV: DIV	DATE: Aug 20, 2003
QUANTITY: 1				

SYMBOL	X	Y	WID	HT

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

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" (0.8mm) aluminum and demountable.
4. Background shall be Type VII reflective sheeting.
5. Background shall be Type I reflective sheeting.
6. Center arrow(s) vertically on sign.
7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

BORDER
R=1.38"
TH=0.75"
IN=0.59"

LETTER POSITIONS

Letter spacings are to start of next letter							Series/Size	Text Length
22.4	5.3	4.8	5.4	2.5	3.8	22.4		C7
	R	O	A	D				C7
23.4	5	5.2	5.8	3.8	23.4			19.8
	W	O	R	K				C7
22.8	6.4	5.8	5.2	4	22.8			21.2

Spacing Factor is 1 unless specified otherwise

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

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

DETAIL DRAWING FOR
WORK ZONE SIGNS
BEGIN ROAD WORK

APPROVED: _____ DATE: _____	DETAIL DRAWING FOR ADVANCED WORK ZONE WARNING SIGN DESIGNS	
SEAL 	SCALE: NONE	REVISIONS
	DATE: 0803	0404
	DWG. BY: _____	1104
	DESIGN BY: _____	
REVIEWED BY: _____		

10-MAY-2007 17:26
\\dot\dfsroot\groups\wz\cccc\design\group4\resur\facimg\resur\facimg2006\div14_399973gv1\sign\design\July2006.dgn
pseymore AT WZTC206427

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
HAYWOOD COUNTY**

LOCATION: I-40 FROM TENNESSEE STATE LINE (MILEPOST 0.0) TO THE REST AREA (MILEPOST 11.5)

MAP



INDEX

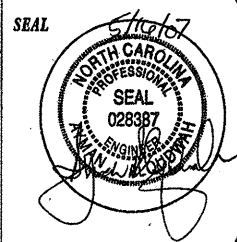
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	NOTES
4-6	SIGN DESIGNS
7	TYPE "A", "B", "E" SIGNS
8-11	EXISTING & PROPOSED SIGN LOCATION

T.I.P.: I-4910

CONTRACT: C201750

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION

RON KING, P.E. SIGNING ENGINEER
 AYMAN ALQUDWAH, P.E. SIGNING PROJECT ENGINEER
 JOSE MARTINEZ SIGNING PROJECT DESIGN ENGINEER
 ROSI HENNEIN SIGNING DESIGN TECHNICIAN



Pay Item Notes:

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)

General Notes:

SIGNS FURNISHED BY STATE

ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.

IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.

SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.

WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER

ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.

WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.

THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE III REFLECTIVE SHEETING.

THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT TO THE N.C.D.O.T. FOR APPROVAL, DETAIL DRAWINGS OF LUMINAIRE RETRIEVAL SYSTEM MOUNTING ON OHS ASSEMBLY.

THE CONTRACTOR SHALL USE LUMINAIRE RETRIEVAL SYSTEM ON ALL OVERHEAD STRUCTURES. WALKWAY AND HANDRAIL IS NOT REQUIRED.

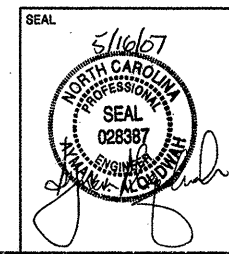
INSTALLATION OF LUMINAIRE RETRIEVAL SYSTEM SHALL ALLOW LUMINAIRE MAINTENACE FROM THE SHOULDER WITHOUT THE NEED FOR LANE CLOSURE. THE DRIVE HANDLE OF THE LUMINAIRE RETRIEVAL SYSTEM SHALL BE LOCATED A MINIMUM OF 0.92M (3') FROM THE RIGHT EDGE OF THE SHOULDER AWAY FROM THE ROADWAY TRAFFIC.

THE CONTRACTOR SHALL ENSURE THAT COORDINATION IS ESTABLISHED BETWEEN THE OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM FABRICATORS SO THAT A FULLY FUNCTIONAL SIGN AND LIGHTING SYSTEM IS INSTALLED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY OHS ASSEMBLY AND LUMINAIRE RETRIEVAL SYSTEM INCOMPATIBILITIES, OR INSTALLATION OF A LIGHTING SYSTEM NOT FUNCTIONING TO ITS INTENDED PURPOSE.

DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.

SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

Project Notes:



NOTES

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN TECH	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
BACKG COLOR: Yellow
COPY COLOR: Black
DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 08, 2007

SIGN WIDTH: 96"
HEIGHT: 48"
TOTAL AREA: 32.0 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3"
MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size						
													Text Length						
W	A	T	C	H	F	O	R	S	L	I	D	E	S	B 2000					
12.4	6.0	4.8	3.9	5	3.4	6	3.9	5.2	3.4	6	4.7	4.2	2.8	5	3.8	3.4	12.4	71.2	
A	N	D	R	O	C	K	S	I	N	R	O	A	D	B 2000					
8.8	5.4	9.2	3.4	6	4.5	5	5	4.3	3.4	6	2.8	3.4	6	4.5	4.8	3.4	3.4	6.8	78.4
N	E	X	T	2	0	M	I	L	E	S	B 2000								
17.7	6.2	3.8	4.4	3	8	4.6	3.7	8	5.7	2.8	4.2	3.8	3.4	17.7	60.6				

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304,307,311
TYPE: D
QUANTITY: 3
BACKG COLOR: White
COPY COLOR: Black
DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 08, 2007

SIGN WIDTH: 78"
HEIGHT: 36"
TOTAL AREA: 19.5 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.63"
WIDTH: 0.83"
RADII: 2.25"
MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
T	U	R	N	O	N	B 2000							
15.7	6.2	7.4	6.8	5.4	8	7.4	5.4	15.7	46.6				
H	E	A	D	L	I	G	H	T	S	D 2000			
7.9	7.4	5.6	8	7.2	6.2	3	7.2	6.6	5.6	5.4	7.9	62.2	

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302,303,305,306,309,310
TYPE: D
QUANTITY: 6
BACKG COLOR: Yellow
COPY COLOR: Black
DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 08, 2007

SIGN WIDTH: 36"
HEIGHT: 20"
TOTAL AREA: 6.0 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.38"
WIDTH: 0.63"
RADII: 1.5"
MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
R	E	M	O	V	E	C 2000							
7.4	3.6	3.4	4.3	3.5	3.8	2.6	7.4	21.3					
S	U	N	G	L	A	S	S	E	S	C 2000			
2.4	3.3	3.5	3.4	3.4	2.6	3.3	3.1	3.3	2.8	2.6	2.4	31.2	

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 308
TYPE: D
QUANTITY: 1
BACKG COLOR: White
COPY COLOR: Black
DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 08, 2007

SIGN WIDTH: 78"
HEIGHT: 36"
TOTAL AREA: 19.5 Sq.Ft.
BORDER TYPE: RECESSED
RECESS: 0.63"
WIDTH: 0.83"
RADII: 2.25"
MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size
													Text Length
C	H	E	C	K	D 2000								
22.2	7.2	7.4	6.2	7.2	5.6	22.2	33.6						
H	E	A	D	L	I	G	H	T	S	D 2000			
7.9	7.4	5.6	8	7.2	6.2	3	7.2	6.6	5.6	5.4	7.9	62.2	

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN NUMBER: 802
TYPE: B
QUANTITY: 1
SIGN WIDTH: 96"
HEIGHT: 24"
TOTAL AREA: 16.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 4"
RADIUS: 3"
NO. Z BARS: 2
LENGTH:

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 04, 2007

MOUNT BELOW SIGN 801

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	H	a	y	w	o	o	d	c	o		
	10.4	8.5	7.6	8.2	9.8	7.2	5.3	8	8	5.4	10.4

Series/Size: EM 2000, Text Length: 76.2

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 805
TYPE: A
QUANTITY: 1
SIGN WIDTH: 182"
HEIGHT: 78"
TOTAL AREA: 104.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 12"
NO. Z BARS: 2
LENGTH: 164.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT
ARMED	82.3	11.3	22.4	35.3

DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 04, 2007

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	H	a	r	m	o	n	D	e	n			
	19.4	17	17	11.8	22.6	15.8	10.8	10	16.3	15.5	10.6	19.4

Series/Size: EM 2000, Text Length: 153.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 804
TYPE: A
QUANTITY: 1
SIGN WIDTH: 182"
HEIGHT: 68"
TOTAL AREA: 88.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADIUS: 9"
NO. Z BARS: 2
LENGTH: 164.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 04, 2007

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	H	a	r	m	o	n	D	e	n			
	19.4	17	17	11.8	22.6	15.8	10.8	10	16.3	15.5	10.6	19.4
	69.7	4.5	15	12	4.4	9.2	7.5	89.7				

Series/Size: EM 2000, Text Length: 153.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 806
TYPE: A
QUANTITY: 1
SIGN WIDTH: 182"
HEIGHT: 38"
TOTAL AREA: 40.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADIUS: 6"
NO. Z BARS: 2
LENGTH: 164.0

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

DESIGN BY: J. MARTINEZ
CHECKED BY:
PROJECT ID: I-4910
DIV: 14
DATE: May 04, 2007

Spacing Factor is 1 unless specified otherwise

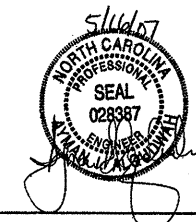
LETTER POSITIONS

Letter spacings are to start of next letter

Letter	L	E	A	V	I	N	G	P	i	s	g	a	h	N	a	t	i	o	n	a	l	F	o	r	e	s	t	
	69	4.6	4.2	5.8	5.0	2.4	5.4	4.1	87.4																			
	7	8.4	3.9	7	7.8	8.5	5.3	8	8.5	7.7	6.7	4.1	7.9	7.8	8.5	1.6	8	7.4	7.9	5.2	6.9	7	4.2	7				

Series/Size: EM 2000, Text Length: 148.1

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL



SIGN NUMBER: 807 **BACKG COLOR:** Green **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 04, 2007
TYPE: A **COPY COLOR:** White **PROJECT ID:** I-4910 **DIV:** 14

QUANTITY: 1 **SYMBOL**

X	Y	WID	HT

SIGN WIDTH: 180" **HEIGHT:** 66" **TOTAL AREA:** 92.5 Sq.Ft.
BORDER TYPE: FLUSH **RECESS:** 0" **WIDTH:** 2" **RADII:** 9"
NO. Z BARS: 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 172.0

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
F	EM 2000	148.6
i	EM 2000	62.6
n		
e		
s		
C		
r		
e		
e		
k		
1		
M		
I		
L		
E		

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 809 **BACKG COLOR:** Green **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 04, 2007
TYPE: A **COPY COLOR:** White **PROJECT ID:** I-4910 **DIV:** 14

QUANTITY: 1 **SYMBOL**

X	Y	WID	HT

SIGN WIDTH: 162" **HEIGHT:** 36" **TOTAL AREA:** 40.5 Sq.Ft.
BORDER TYPE: FLUSH **RECESS:** 0" **WIDTH:** 1" **RADII:** 6"
NO. Z BARS: 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 154.0

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
E	D 2000	36.1
N		
T		
E		
R		
I		
N		
G		
63		
P		
i		
s		
a		
h		
N		
a		
t		
i		
e		
n		
a		
1		
F		
o		
r		
e		
s		
t		
7		

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 808 **BACKG COLOR:** Green **DESIGN BY:** J. MARTINEZ **CHECKED BY:** **DATE:** May 04, 2007
TYPE: A **COPY COLOR:** White **PROJECT ID:** I-4910 **DIV:** 14

QUANTITY: 1 **SYMBOL**

X	Y	WID	HT	
ANNED	57.8	9.4	18.8	30

SIGN WIDTH: 96" **HEIGHT:** 60" **TOTAL AREA:** 40.0 Sq.Ft.
BORDER TYPE: FLUSH **RECESS:** 0" **WIDTH:** 1.5" **RADII:** 8"
NO. Z BARS: 2 **MAT'L:** 0.125" (3.2 mm) ALUMINUM **LENGTH:** 68.0

USE NOTES: 1,4
 1. Legend and border shall be direct applied Type III reflective sheeting.
 2. Legend and border shall be direct applied non-reflective sheeting.
 3. Shields shall be Type III reflective sheeting on 0.032" (0.8mm) aluminum and demountable.
 4. Background shall be Type III reflective sheeting.
 5. Background shall be Type I reflective sheeting.
 6. Center arrow(s) vertically on sign.
 7. Bottom panel shall be yellow Type III sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

Spacing Factor is 1 unless specified otherwise





LETTER POSITIONS

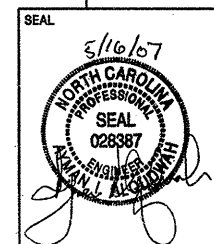
Letter spacings are to start of next letter

Letter	Series/Size	Text Length
E	EM 2000	37
X	EM 2000	24.5
I		
T		
1		
5		

FILENAME: I-4910 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

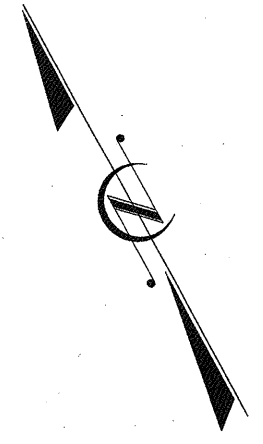
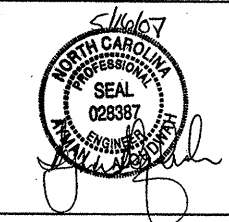
TECC221657 5/15/2007 quantities, a,b,d,e & f signs rhennin TECC-Oce34bond

<p>801 QUANTITY REQ'D .1_</p>  <p>108 X 36 I2-1</p> <p>MOUNT ON EXISTING STEEL SUPPORTS</p>		<p>464 QUANTITY REQ'D .8_</p>  <p>48 X 48 W14-8</p> <p>TWO "U" POSTS PER SIGN</p>				
<p>803 QUANTITY REQ'D .1_</p>  <p>156 X 84 I2-2</p> <p>MOUNT ON EXISTING STEEL SUPPORTS</p>		<p>465 QUANTITY REQ'D .2_</p>  <p>30 X 18 W16-3a</p> <p>MOUNT BELOW SIGN 464 IN 2 INSTALLATIONS</p>				



TYPE "A", "B", "E" SIGNS

SCALE	1:1000	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING BRANCH	REVISIONS
DATE	MAY 2007		
SIGNING DESIGN TECH	R. HENNEIN		
SIGNING PROJECT DGN ENG	J. MARTINEZ		
SIGNING PROJECT ENG	A. ALQUDWAH		



BEGIN STATE SIGNING PROJECT
I-4910 -L- MILEPOST 0



NORTH CAROLINA
FLORIDA
TENNESSEE

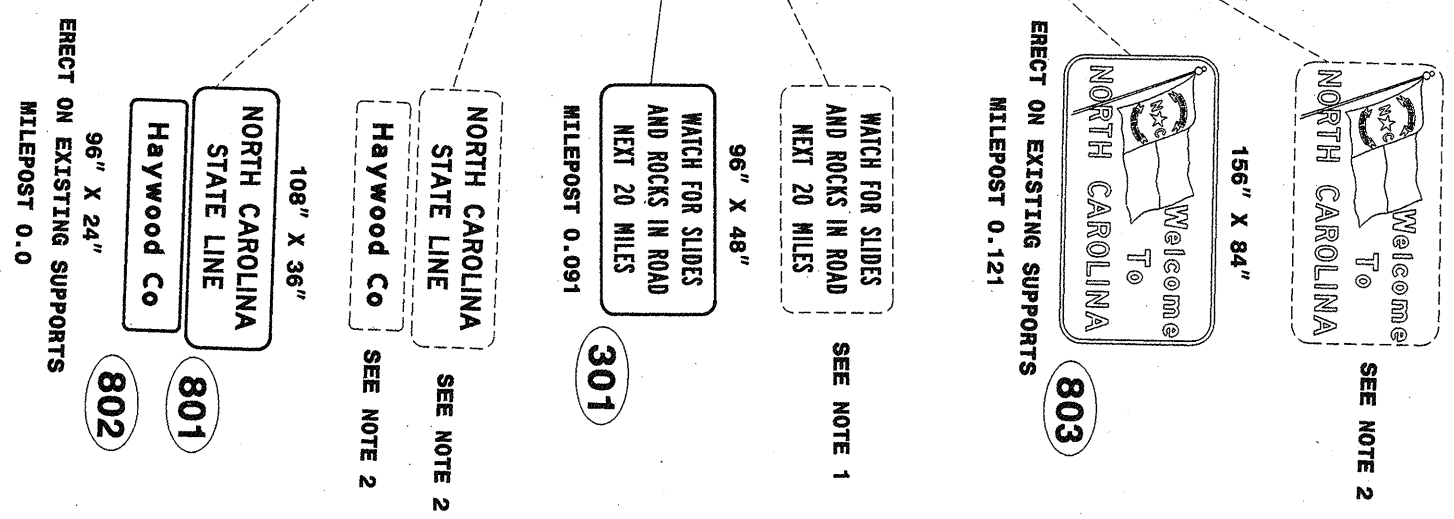
← I-40 WB
I-40 EB →
← TO KNOXVILLE

Pigeon

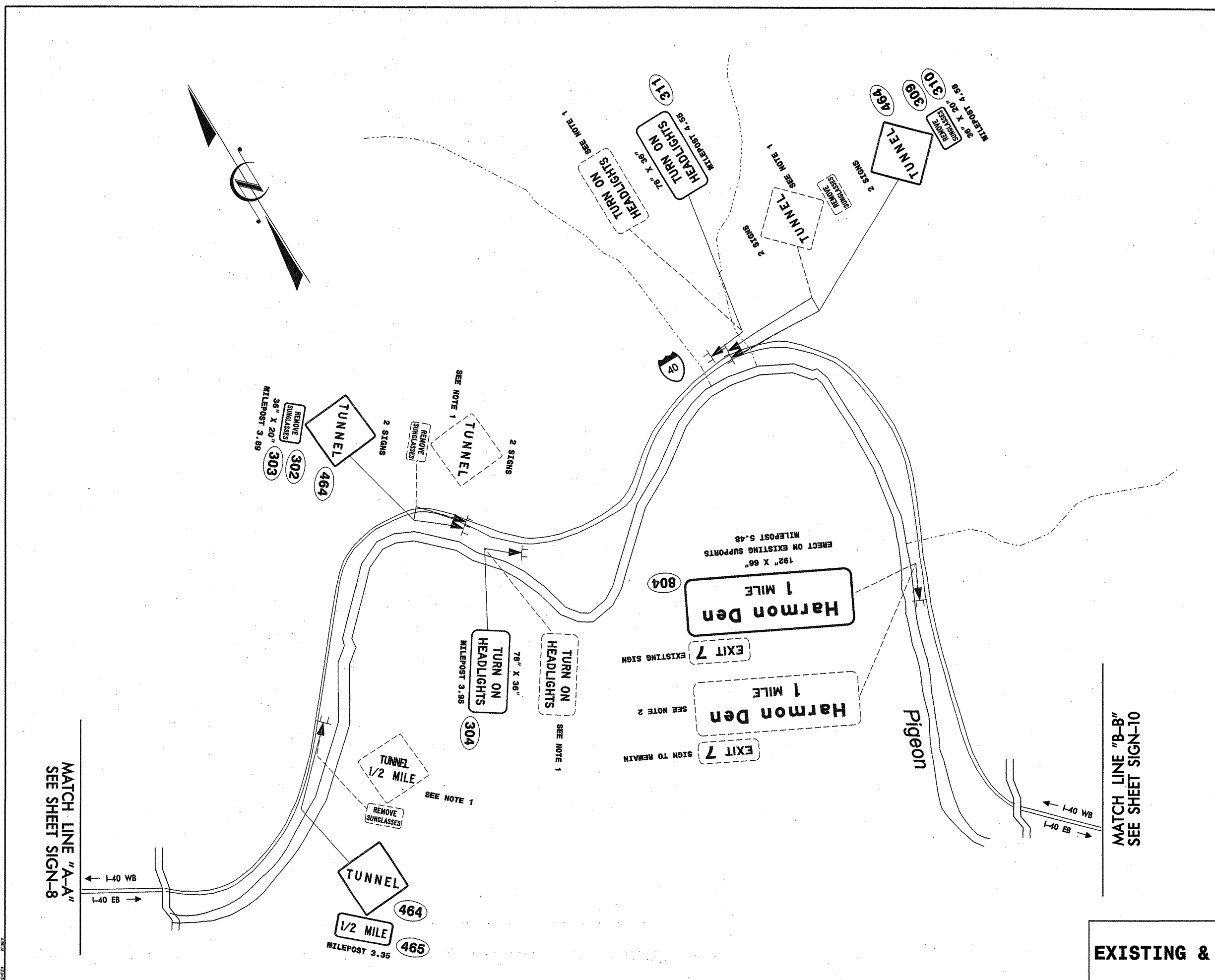
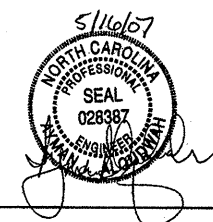
River

← I-40 WB
I-40 EB →

MATCH LINE "A-A"
SEE SHEET SIGN-9



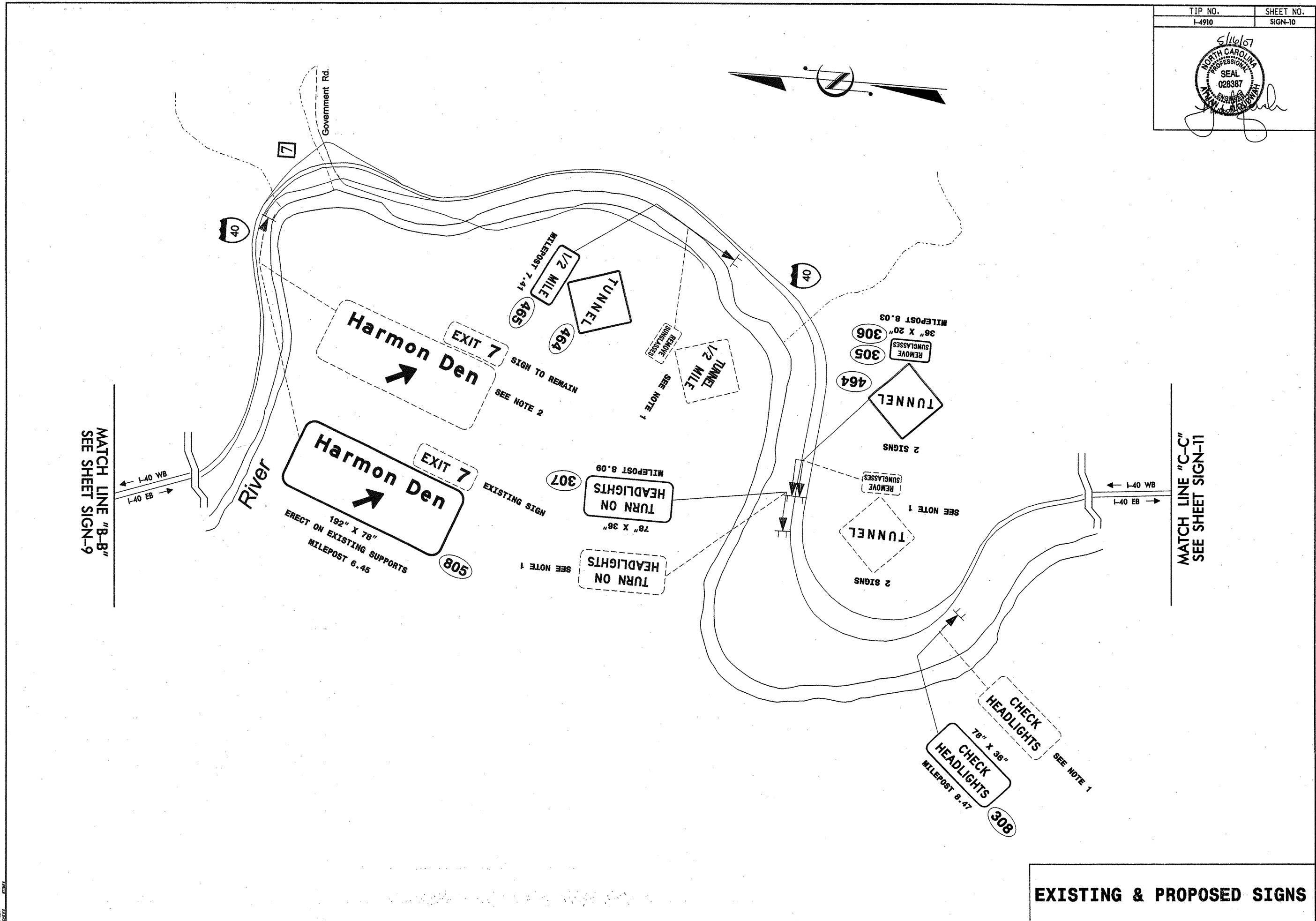
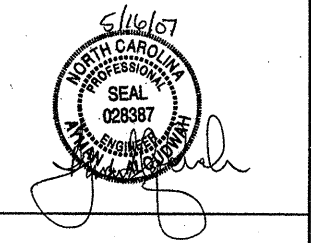
EXISTING & PROPOSED SIGNS



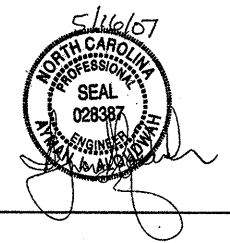
MATCH LINE "A-A"
SEE SHEET SIGN-8

MATCH LINE "B-B"
SEE SHEET SIGN-10

EXISTING & PROPOSED SIGNS

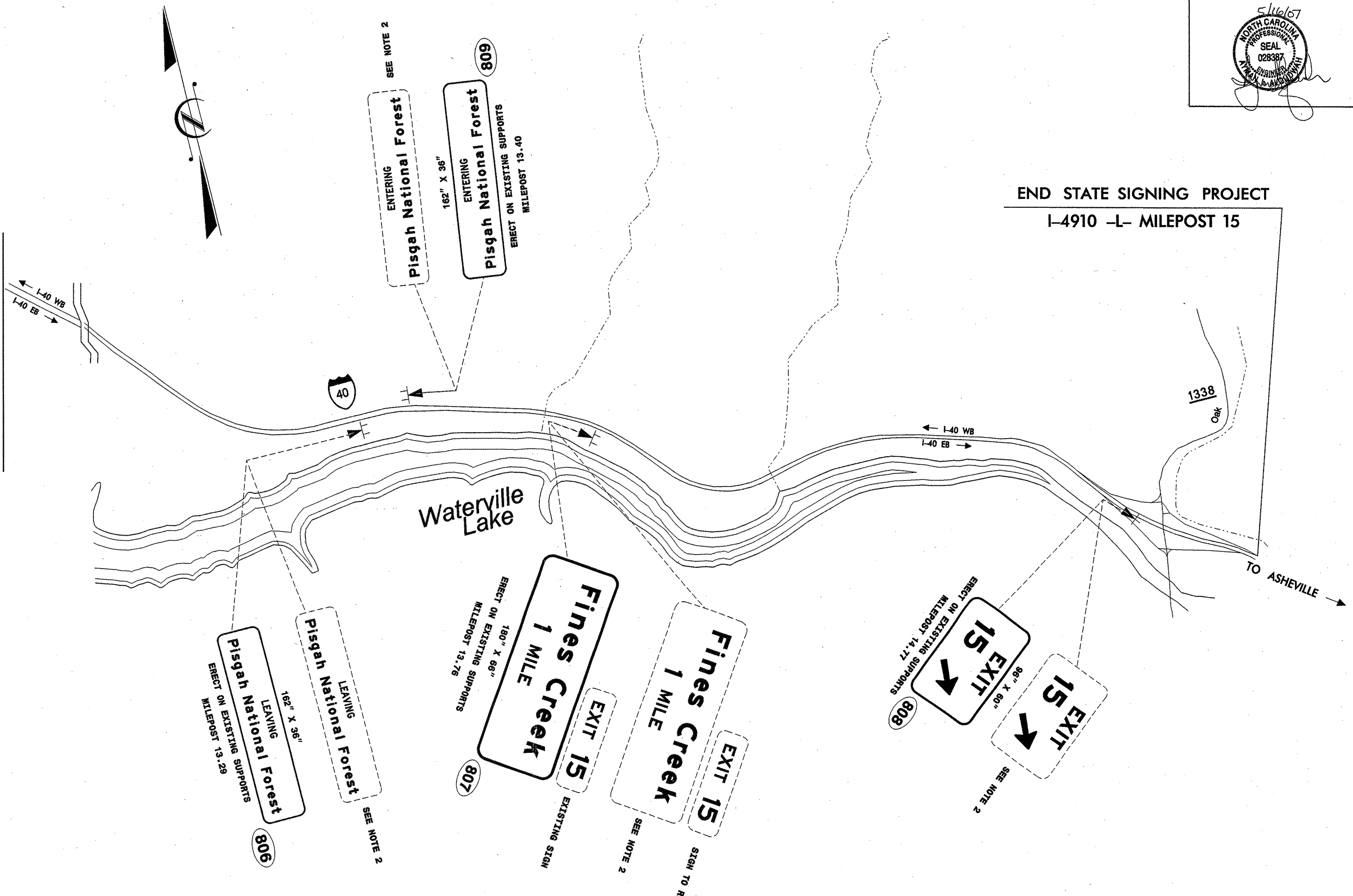


EXISTING & PROPOSED SIGNS



END STATE SIGNING PROJECT
I-4910 -L- MILEPOST 15

MATCH LINE "C-C"
SEE SHEET SIGN-10



EXISTING & PROPOSED SIGNS