

8/17/99

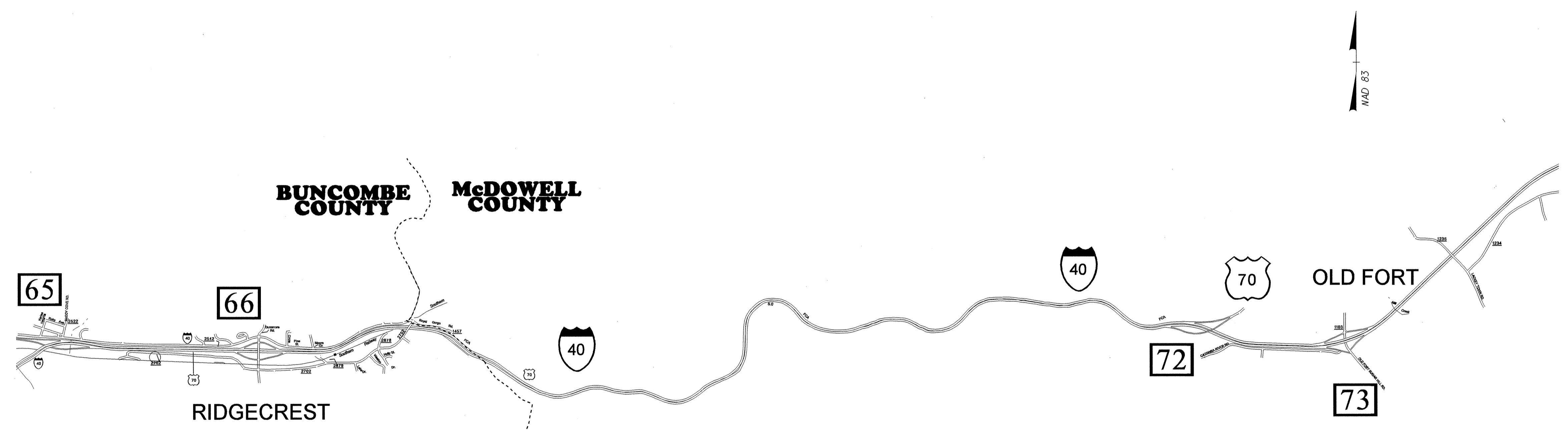
TIP NO.	SHEET NO.
I-4417	SIGN-1

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLANS
BUNCOMBE & McDOWELL COUNTY**

**LOCATION: PROPOSED FLASHING LIGHT SIGNS - I-40 FROM
MP-65 TO MP-73 AT OLD FORT MOUNTAIN**

CONTRACT: C200997 T.I.P.: I-4417



SUMMARY OF QUANTITIES

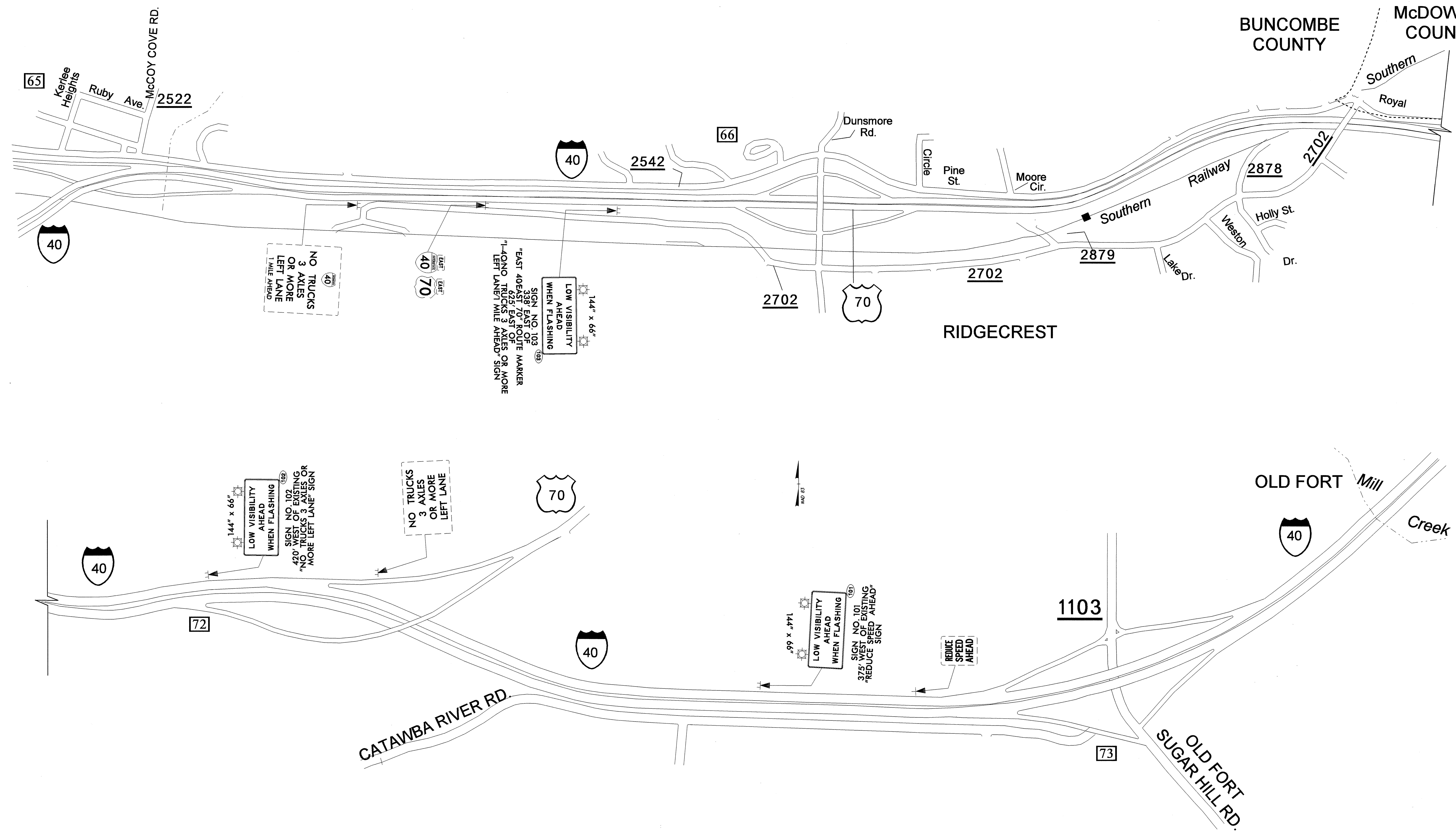
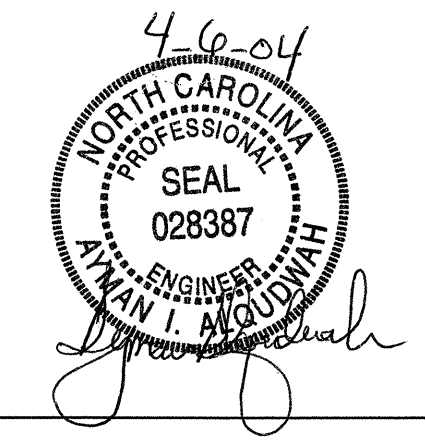
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
0001000000	800	MOBILIZATION	1	L.S.
4025000000	901	CONTRACTOR FURNISHED, TYPE A SIGN	198	S.F.
4054000000	902	PLAIN CONCRETE SIGN FOOTINGS	1	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1028	LB.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	3	EA.

**ROADWAY STANDARD DRAWINGS
APPLICABLE TO THESE SIGNING PLANS**
901.10 903.10
901.70 904.10

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET W/SUMMARY OF QUANTITIES
2	NOTES AND SUPPORT INFORMATION
3	TYPE A SIGN DESIGNS
4	SIGN ROADWAY SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING SECTION	SEAL
RON W. KING, P.E. SIGNING ENGINEER AYMAN ALQUDWAH, P.E. SIGNING PROJECT ENGINEER MITCH EATON SIGNING PROJECT DESIGN ENGINEER STACEY JOHNS SIGNING DESIGNER	

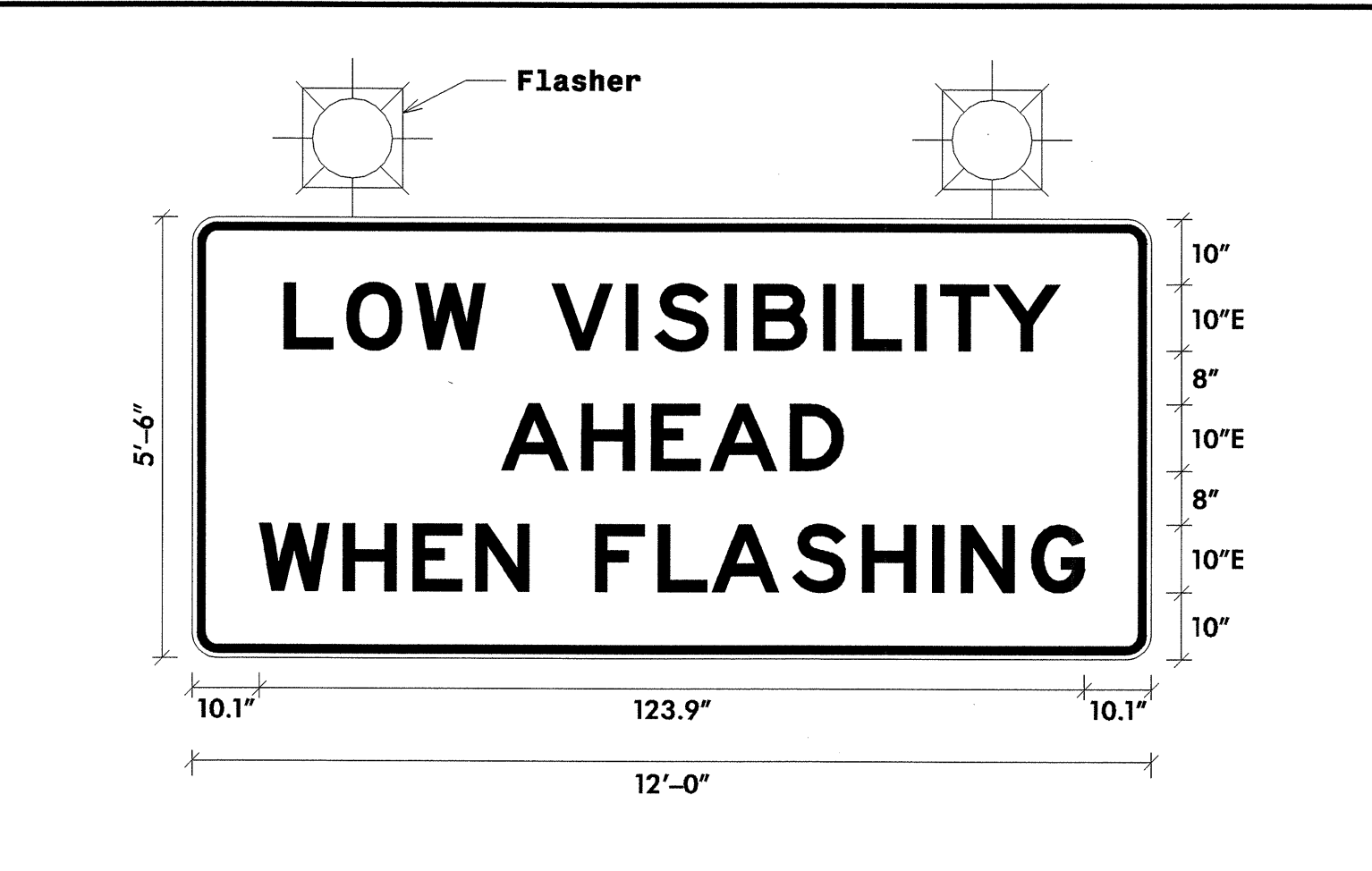


**PROPOSED SIGNS
I-40**

SIGN NUMR: 101, 102, 103 BACKG. COLOR: Yellow DESIGN BY: NCDOT CHK BY: STD #: name N. C. DEPARTMENT OF TRANSPORTATION
 TYPE: A Ground COPY COLOR: Black PROJECT ID: I-4417 DIV: 13 DATE: Mar 27, 2003 DIVISION OF HIGHWAYS
 QUANTITY: 3 TRAFFIC ENGINEERING BRANCH
 SIGNING DEPARTMENT

SIGN WIDTH: 12'-0"
 HEIGHT: 5'-6"
 TOTAL AREA: 66.0 Sq.Ft.
 MAT'L: 0.125 in. ALUMINUM
 BORDER TYPE: RECESS
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"
 NO. Z BARS: 2
 LENGTH: 136.0 in.

SYMBOL	X	Y	WID	HT

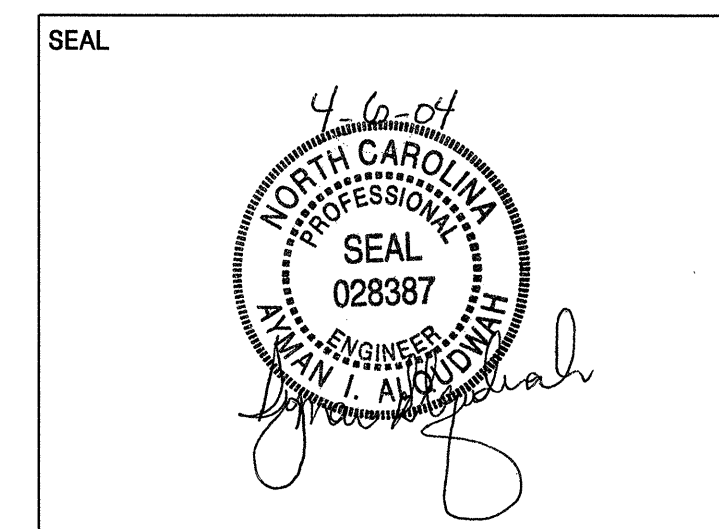


- USE NOTES: 4
- Legend and border shall be direct applied Type III reflective sheeting.
 - Legend and border shall be direct applied Type I reflective sheeting.
 - Shields shall be Type III reflective sheeting on 0.032" aluminum and demountable.
 - Background shall be Type III reflective sheeting.
 - Background shall be Type I reflective sheeting.
 - Center arrow(s) vertically on sign.

Letter spacings are to start of next letter

	L	O	W	V	I	S	I	B	I	L	I	T	Y	Series/Size			
	Text Length																
	13.7	9.4	10.4	10.5	10	11.1	4.3	10.5	4.3	10.5	4.3	9.4	3.8	8	10	13.7	E10
		A	H	E	A	D											E10
	46.3	12.1	10.5	8.7	12.1	8	46.3										51.4
		W	H	E	N	F	L	A	S	H	I	N	G				E10
	10.1	12.6	10.5	9.4	8	10	9.4	8	12.1	10.5	10.5	4.3	10.5	8	10.1		123.9

Spacing Factor is 1 unless specified otherwise
 FILENAME: GSENG



TYPE "A" SIGN DESIGNS

TIP NO.	SHEET NO.
I-4417	SIGN-2

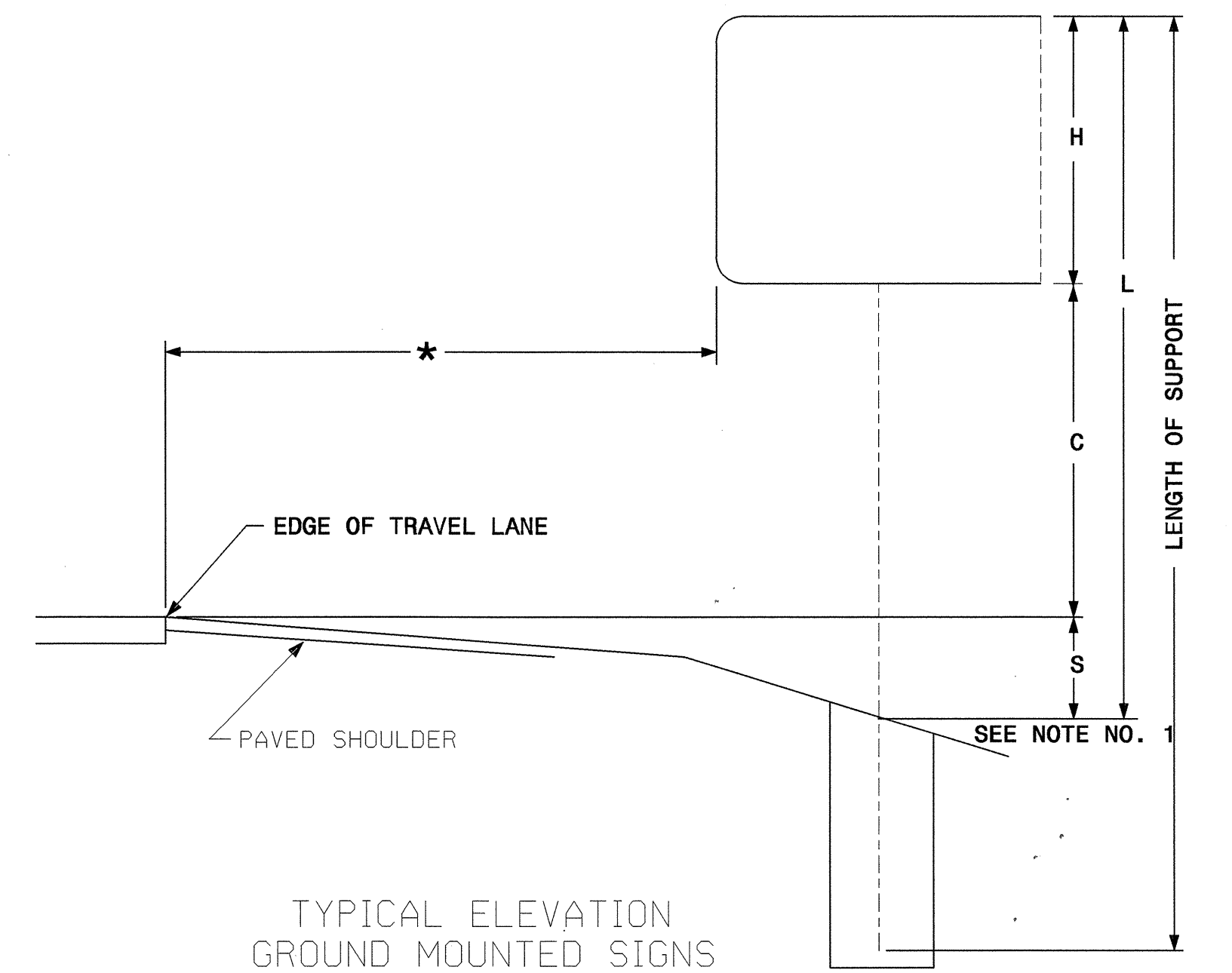
TYPE "A" AND TYPE "B" GROUND MOUNTED SIGNS

- NOTES
- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF PAVEMENT.
 - FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES

PROJECT ID: I-4417

SIGN NO.	SIGN TYPE	SIGN SIZE (in.) w x h	ROADWAY STATION	NO. OF SUP.	BEAM SECTION	SUPPORT TYPE BA or S	HORIZ. CLR. (ft.)	EXIT NUMBER	ATTACH. METHOD	LENGTH (ft)			LEFT SUPPORT (ft)		CENTER SUPPORT (ft)		RIGHT SUPPORT (ft)		B/A SUPPORT WEIGHTS (lbs.)	SIMPLE SUPPORT WEIGHTS (lbs.)	REINF. FTGS. (c.y.)	PLAIN FTGS. (c.y.)	FIELD VERIFIED SEE NOTE (mm/dd/yy)	
										SNS	HT	MTG HT	EMBED- MENT	S	L	TOTAL LENGTH	S	L						TOTAL LENGTH
101	A	144 X 66	SEE SHT. 4	2	4X7.7 LB	BA	30.00	N/A		5.50	7.26	3.17	-0.26	12.50	15.67	N/A	0.00	0.00	N/A	0.00	0.00	0.00	0.00	
102	A	144 X 66	SEE SHT. 4	2	5X10 LB	BA	30.00	N/A		5.50	7.00	2.67	1.72	14.25	16.92	N/A	0.00	0.00	N/A	0.00	0.00	0.00	0.00	
103	A	144 X 66	SEE SHT. 4	2	5X10 LB	BA	20.00	N/A		5.50	7.00	2.67	1.54	14.00	16.67	N/A	0.00	0.00	N/A	0.00	0.00	0.00	0.00	

TOTAL	TOTAL	TOTAL	TOTAL
1027.03	0.00	0.0000	0.9888
USE: 1028	0	0	1



GENERAL NOTES:

- SIGNS FURNISHED BY CONTRACTOR
- SIGNING PLANS DO NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING OR PAVEMENT MARKINGS. SEE TRAFFIC CONTROL PLANS.
- DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.

PROJECT NOTES:

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ATTACHMENT METHOD OF THE FLASHING UNITS TO THE SIGNS. THE DESIGN OF THE FLASHING UNITS AND THEIR METHOD OF INSTALLATION MUST BE APPROVED BY THE TRAFFIC MANAGEMENT SYSTEMS SECTION OF THE TRAFFIC ENGINEERING AND SAFETY SYSTEMS BRANCH.

