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T.I.P.: I-5711

CONTRACT: C204352

$$$$$$SYSTIME$$$$$ $$$$$$$$$$DGN$$$$$$$$$$$$$$$$ $$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-1

APPROVED: Zhaolong Teng (DocuSigned by: 6B6BA0DE5257455...)

DATE: 12/17/2019

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032179 ZHAOLONG TENG

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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
ALAMANCE COUNTY

LOCATION: INTERCHANGE IMPROVEMENTS AT I-40 /I-85 AND SR 1007 (MEBANE OAKS RD) IN MEBANE

GENERAL NOTES

. SIGNS FURNISHED BY STATE

. CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.

. 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.

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

. ALL EXISTING SIGNS ON WOOD OR "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 C REFLECTIVE SHEETING.

. 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.

SUMMARY OF QUANTITIES

ITEM NO. DESC. NO.	ITEM NO. SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4048000000	902	REINFORCED CONCRETE SIGN FOUNDATION	2	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4057000000	SP	OVERHEAD FOOTING	36	C.Y.
4060000000	903	SUPPORTS, BREAKAWAY STEEL BEAM	1886	LB.
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	317	LB.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	900	L.F.
4096000000	904	SIGN ERECTION, TYPE D	4	EA.
4102000000	904	SIGN ERECTION, TYPE E	51	EA.
4108000000	904	SIGN ERECTION, TYPE F	2	EA.
4109000000	904	SIGN ERECTION, TYPE A (OVERHEAD)	4	EA.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	6	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN (GROUND MOUNTED RESTAURANT LOGO SIGNS)	1	EA.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ -L- 23+15	1	L.S.
4082100000	906	SUPPORTS, OVERHEAD SIGN STRUCTURE @ -L- 30+75	1	L.S.
4149000000	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	56	EA.
4158000000	907	DISPOSAL OF SIGN SYSTEM, WOOD	2	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2-2A	REVISED SIGNING ROADWAY STANDARD DRAWINGS
SIGN-3	SUPPORT INFORMATION
SIGN-3A & 3B	STRUCTURE LINE DRAWING
SIGN-4	E AND F SHEET
SIGN-5 & 5A	OVERHEAD SIGN DESIGNS
SIGN-5B-5D	GROUND MOUNTED SIGN DESIGNS
SIGN-6-6A	SIGNING PLAN SHEET

PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

KELVIN L. JORDAN — SIGNING & DELINEATION REGIONAL ENGINEER

ASHLEY K. MATTHEWS, PE — SIGNING & DELINEATION PROJECT DESIGN ENGINEER

PLAN PREPARED BY:

ZHAOLONG (GAVIN) TENG, PE, PTOE — PROJECT MANAGER

ACCELERATE ENGINEERING, PLLC

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Cary, NC 27511
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PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-2

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DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

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

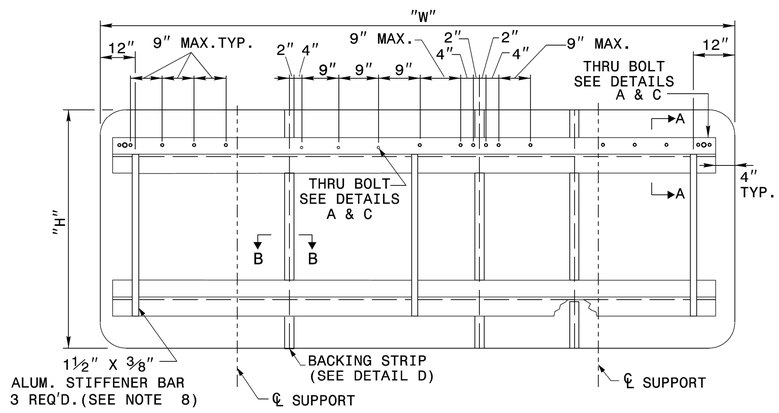
2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

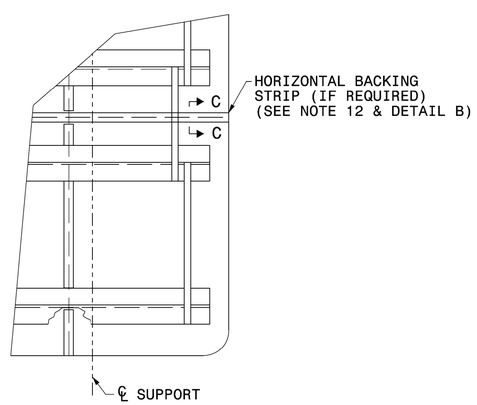
SHEET 1 OF 2

901D10

TYPICAL STUD PLACEMENT



HORIZONTAL BACKING STRIP



NOTES:

1. USE THE NUMBER AND SIZE OF SUPPORTS SHOWN ON THE SUPPORT CHART IN PROJECT PLANS.
2. FABRICATE SIGN PANEL SECTIONS WITH SHEETS 4'-0" WIDE. WHEN FABRICATING SIGNS WHICH ARE NOT MULTIPLES OF 4'-0" IN WIDTH, DO NOT CUT MORE THAN TWO SHEETS TO LESS THAN 4'-0" IN WIDTH. THESE PANELS SHALL NOT BE LESS THAN 1'-0" IN WIDTH.
3. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORTS.
4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
5. SEE ROADWAY STANDARD 904.20 WHEN TYPE "B" SECONDARY SIGN MOUNTING IS REQUIRED.
6. DETAILS FOR TYPE "A" SECONDARY SIGNS SHALL BE THE SAME AS FOR TYPE "A" SIGNS.
7. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
8. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
9. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
10. FABRICATE SIGNS TALLER THAN 12'-0" AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE. LOCATE STRINGERS ON EACH SECTION OF THE SIGN BY THE SIGN STRINGER CHART. (SEE ROADWAY STANDARD 901.70)
11. FABRICATE SIGNS TALLER THAN 12'-0" BUT SHORTER THAN 14'-6" WITH A HORIZONTAL SPLICE LOCATED 7'-0" FROM BOTTOM OF SIGN.
12. FABRICATE SIGNS 14'-6" TALL AND TALLER WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF OF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7'-0" FROM THE TOP.
13. THERE SHALL ONLY BE A ⅛" GAP BETWEEN THE VERTICAL BACKING STRIP AND THE "Z" BAR.
14. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
15. PLACE NYLON WASHER UNDER HEAD OF ⅜" THRU BOLTS.
16. FABRICATE EACH SIGN WITH ⅜" DIA. THRU BOLT, 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR. SEE DETAILS A & C.
17. FABRICATE EACH SIGN WITH ⅜" DIA.THRU BOLT CENTERED IN EACH PANEL THRU THE TOP AND BOTTOM "Z" BAR. CENTERED THRU BOLT REQUIRED IN END PANELS GREATER THAN 2'-0" WIDE. SEE DETAILS A & C.
18. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM ⅛" GAP

STATE OF NORTH CAROLINA
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RALEIGH, N.C.

2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'A' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 2

901D10

REVISED SIGNING
ROADWAY STANDARD DRAWING

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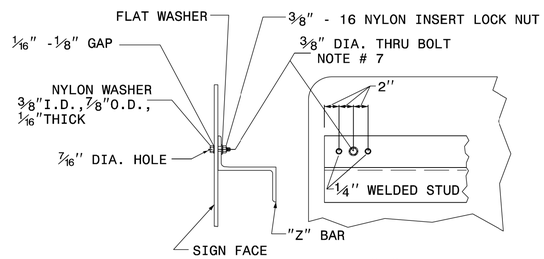
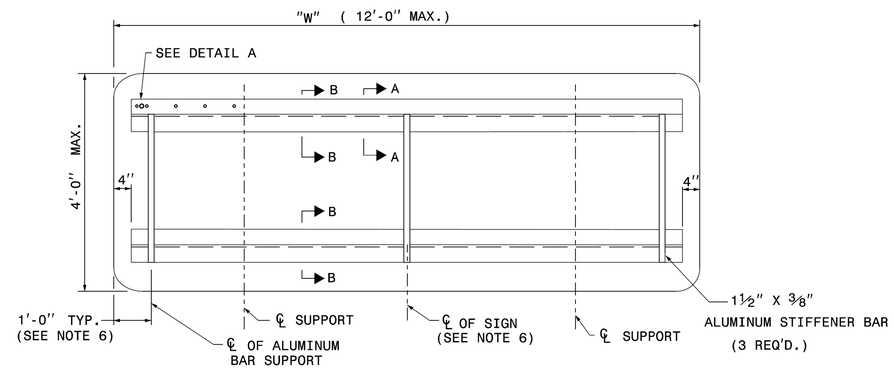
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

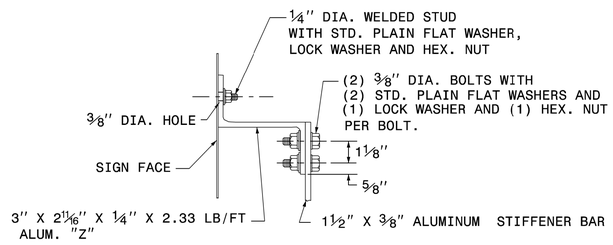
2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION



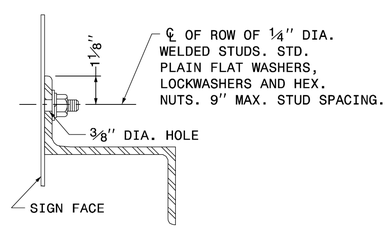
DETAIL "A"





SECTION A-A

STIFFENER DETAIL



SECTION B-B

NOTES:

1. USE NUMBER AND SIZE OF SUPPORTS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
2. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR THE TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES AND SUPPORTS.
3. FURNISH ALL MOUNTING HARDWARE.
4. USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
5. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
6. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
7. FABRICATE EACH SIGN WITH A 3/8" DIA. BOLT 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR.
8. SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
9. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
10. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLT.
11. THRU BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP.

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2-19

ENGLISH DETAIL DRAWING FOR
TYPE 'B' SIGNS
WELDED STUD CONSTRUCTION

SHEET 1 OF 1

901D20

SHEET 1 OF 1

901D20

REVISED SIGNING
ROADWAY STANDARD DRAWING

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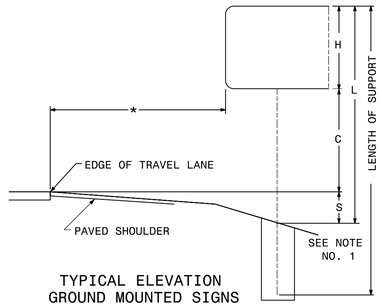
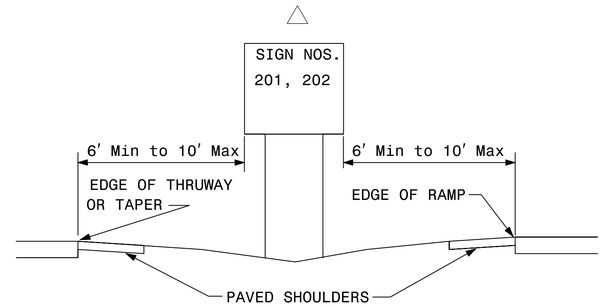


TYPICAL ELEVATION
GROUND MOUNTED SIGNS



SIGN					ROADWAY	NUMBER	BEAM	SUPPORT	OMNI	ATTACHMENT	MOUNTING	HORIZONTAL	SUPPORT	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD
		SIZE (in.)												SNS HT	MTG HT	EMBED-										B/A	SIMPLE	DIAMETER	DEPTH	REINFORCED	PLAIN	VERIFIED
NUMBER	TYPE	w	x	h	STATION	OF SUPPORTS	SECTION	TYPE BA or S	COUPLER	METHOD	METHOD	CLEARANCE* (ft.)	SPACING	"H"	"C"	MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	(lbs.)	(lbs.)	(ft.)	(ft.)	(c.y.)	(c.y.)	SEE NOTE 2 (mm/dd/yy)
101A	A	132	x	60	-Y1- 25+50	2	W6x9	S	N/A	N/A	N/A	18.00	6.45	7.00	7.00	3.0	1.28	15.28	18.28	0.00	0.00	0.00	-0.16	13.84	16.84	0.00	316.08	1.5	3.5	0.46	0.00	_____
101B	B	132	x	24						N/A	II																					
102	A	108	x	60	-RPB Y1- 15+50	2	S4x7.7	BA	N/A	N/A	N/A	14.00	5.27	5.00	7.00	3.0	1.39	13.39	16.39	0.00	0.00	0.00	2.27	14.27	17.27	299.18	0	1.0	3.5	0.00	0.20	_____
103	A	102	x	108	-L- 28+50	2	W6x12	BA	N/A	N/A	N/A	18.00	4.98	9.00	7.00	3.0	1.36	17.36	20.36	0.00	0.00	0.00	2.61	18.61	21.61	581.64	0	1.5	3.5	0.46	0.00	_____
104	A	114	x	108	-L- 25+50	2	W6x12	BA	N/A	N/A	N/A	18.00	5.57	9.00	7.00	3.5	1.41	17.41	20.91	0.00	0.00	0.00	2.81	18.81	22.31	596.64	0	1.5	4	0.52	0.00	_____
201	A	96	x	60	-Y1- 20+25	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.27	12.27	14.77	0.00	0.00	0.00	0.43	12.43	14.93	205.29	0	1.0	3	0.00	0.17	_____
202	A	96	x	60	-Y1- 35+10	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.12	12.12	14.62	0.00	0.00	0.00	0.08	12.08	14.58	202.44	0	1.0	3	0.00	0.17	_____
																										TOTAL 1885.19	TOTAL 316.08			TOTAL 1.44	TOTAL 0.55	
																									USE:	1886.00	317.00			2.00	1.00	

NOTES

1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.

2. 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

3. PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.

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

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DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

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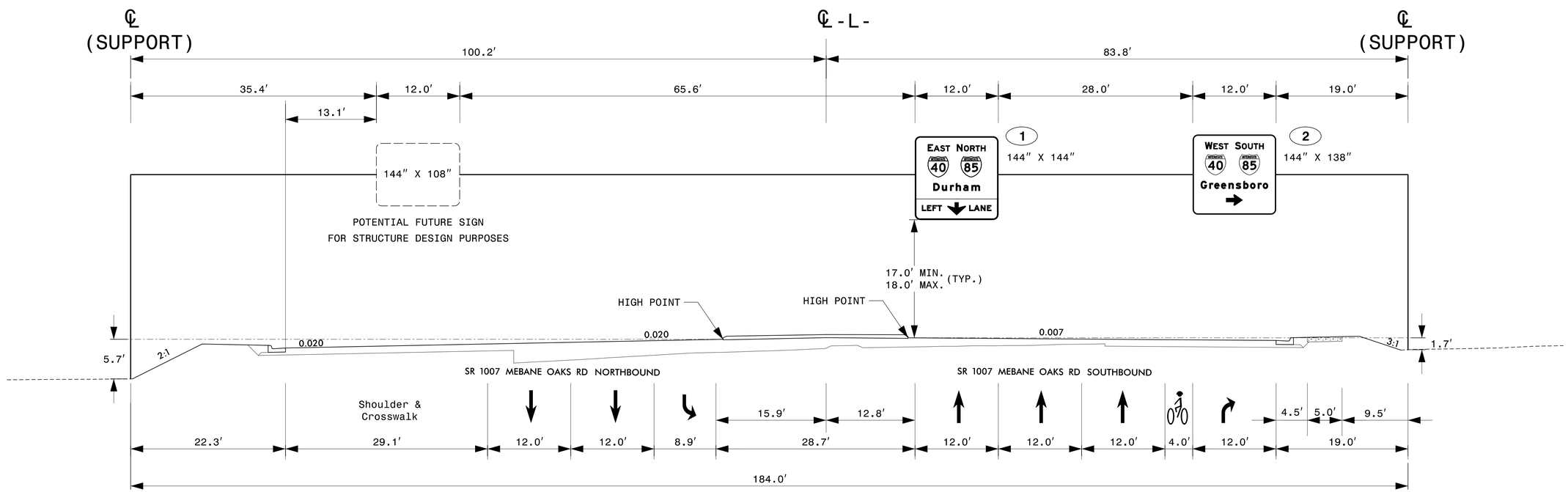

OVERHEAD SIGN ASSEMBLY 'A' -L- STA. 23+15

NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

OVERHEAD SIGN ASSEMBLY 'A' -L- STA. 23+15

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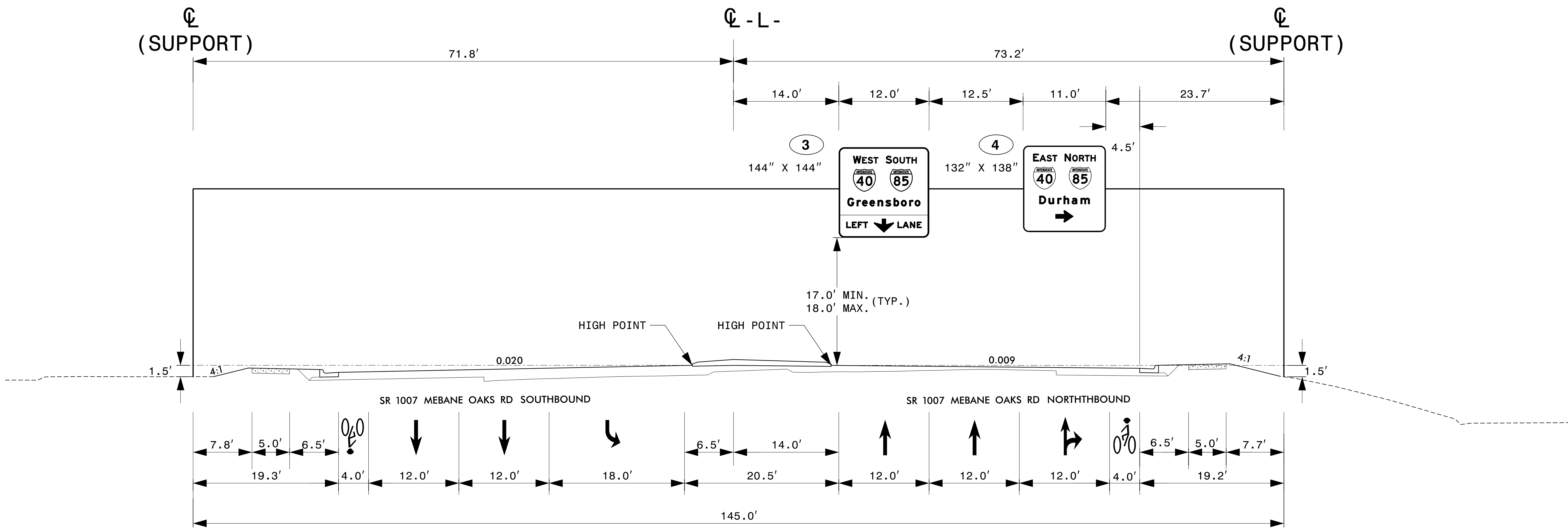

OVERHEAD SIGN ASSEMBLY 'B' -L- STA. 30+75

NOTES:

1. IF THE CONTRACTOR BIDS ALUMINUM SIGN STRUCTURE, EACH SHALL BE PROVIDED WITH AN APPROVED HIGHWAY TRUSS DAMPER DEVICE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. MOUNT SIGNS VERTICALLY CENTERED ON HORIZONTAL MEMBER OF STRUCTURE.
3. FIELD VERIFICATION SHALL BE REQUIRED FOR ALL FOOTING ELEVATIONS, PER THE LATEST NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. PROVIDE FIELD VERIFICATION TO THE SIGNING SECTION.
4. THE TOP OF THE FOOTING SHALL EXTEND AT LEAST 4 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE HIGHEST POINT OF THE GROUND SURFACE AT THE FOOTING.
5. SIGN HANGERS AND ATTACHMENT HARDWARE SHALL BE PROVIDED AND INSTALLED ON THE ASSEMBLY TO ACCOMMODATE ALL SIGNS SHOWN IN THIS PLAN SHEET.
6. DESIGN AND CONSTRUCTION REQUIREMENTS FOR SIGN STRUCTURES SHALL ACCOMMODATE WIND VELOCITY OF 90 M.P.H.

$$$$$$SYSTIME$$$$ $$$$$$$$$$$$$$$$$$$$$$$$DGN$$$$$$ $$$$$$USERNAME$$$$

OVERHEAD SIGN ASSEMBLY 'B'
-L- STA. 30+75

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I-5711	SIGN-4

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SEAL

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NC License No. P-1442

(401) QUANTITY REQ'D 3

36 X 36
R3-7

ONE "U" POST PER SIGN

(402) QUANTITY REQ'D 2

48 X 48
W4-1 (R)

TWO "U" POSTS PER SIGN

(403) QUANTITY REQ'D 2

36 X 36 X 36
R1-2

ONE "U" POST PER SIGN

(404) QUANTITY REQ'D 9

24 X 30
R4-7

ONE "U" POST PER SIGN

(405) QUANTITY REQ'D 9

18 X 18
OM1-3

MOUNT BELOW SIGN NO. 404
IN 10 INSTALLATIONS

(406) QUANTITY REQ'D 9

54 X 18
R6-1 (R)

TWO "U" POSTS PER SIGN
MOUNT BACK TO BACK
IN 2 INSTALLATIONS

(407) QUANTITY REQ'D 4

36 X 36
R5-1

ONE "U" POST PER SIGN

(408) QUANTITY REQ'D 2

30 X 36
R2-1

ONE "U" POST PER SIGN

(409) QUANTITY REQ'D 1

48 X 54
SEE SIGN-5D
FOR DETAILS

TWO "U" POSTS PER SIGN

(410) QUANTITY REQ'D 2

36 X 36
R3-4

MOUNT BEHIND SIGN NO. 404
IN 2 INSTALLATIONS

(411) QUANTITY REQ'D 2

54 X 18
R6-1 (L)

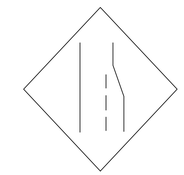
MOUNT BEHIND SIGN NO. 406
IN 2 INSTALLATIONS

(412) QUANTITY REQ'D 4

36 X 24
R5-1a

ONE "U" POST PER SIGN

(413) QUANTITY REQ'D 2



48 X 48
W4-2(R)

TWO "U" POSTS PER SIGN

(414) QUANTITY REQ'D 3

36 X 36
W11-2

YELLOW/GREEN REFLECTIVE SHEETING
ONE "U" POST PER SIGN

(415) QUANTITY REQ'D 3

24 X 12
W16-7P(R)

YELLOW/GREEN REFLECTIVE SHEETING
MOUNT BELOW SIGN NO. 414
IN 3 INSTALLATIONS

(416) QUANTITY REQ'D 1

30 X 30
W11-1

ONE "U" POST PER SIGN

(417) QUANTITY REQ'D 1

18 X 24
W16 - 1P

MOUNT BELOW SIGN 416
IN 1 INSTALLATION

(418) QUANTITY REQ'D 4

24 X 18
W3-17

ONE "U" POST PER SIGN

(419) QUANTITY REQ'D 2

24 X 8
W3-17aP

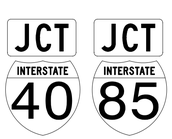
MOUNT BELOW SIGN 418
IN 2 INSTALLATIONs

(420) QUANTITY REQ'D 2

24 X 8
W3-17bP

MOUNT BELOW SIGN 418
IN 2 INSTALLATIONs

(501) (502)



2 - 21 X 15
2 - 24 X 24

TWO "U" POSTS PER SIGN ASSEMBLY

TYPE "E" & "F" SIGNS

$$$$$SYSTIME$$$$
$$$$$USERNAME$$$$ $$$$$DGN$$$$

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PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-5

APPROVED: DocuSigned by: Zhaolong Teng 6B6BA0DE5257455...

DATE: 12/17/2019

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED IN THE OFFICE OF:

Accelerate Engineering, PLLC
875 Walnut Street, Suite 316
Cary, NC 27511
Tel: 919.263.5678 Fax: 919.263.5687
NC License No. P-1442

OVERHEAD ASSEMBLY 'A'

SIGN NUMBER: 1
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 12'-0"
TOTAL AREA: 144.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

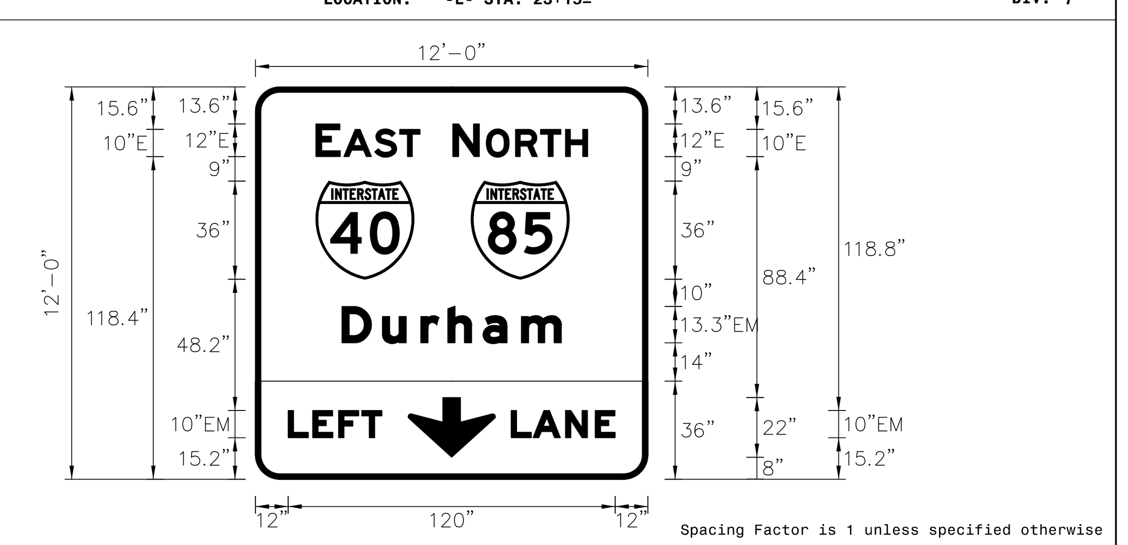
SYMBOL	X	Y	WID	HT
M1_1	22.1	73.4	36	36
M1_1	79.1	73.4	36	36
ARDOWN	56	8	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 23+15±
Nov 07, 2018
DIV: 7

USE NOTES:

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum with Grade A reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow Panel Border Info: Black, 0.5" Recess, 1.5" Width



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

											Series/Size Text Length
	E		A	S	T						E 2000
22.1	9	1.2	11.3	9.2	7.5	83.6					38.2
	N		O	R	T	H					E 2000
72.4	9.7	2.6	10.7	9.2	9.2	8.1	22.1				49.5
	D	u	r	h	a	m					EM 2000
31.7	14.8	14.1	9.9	12.9	14.1	14.7	31.7				80.5
	L	E	F	T		L	A	N	E		EM 2000
12	9	9.5	8.5	7.4	47.4	8	11.9	10.9	7.4	12	120

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 2
TYPE: A
QUANTITY: 1
SIGN WIDTH: 12'-0"
HEIGHT: 11'-6"
TOTAL AREA: 138.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

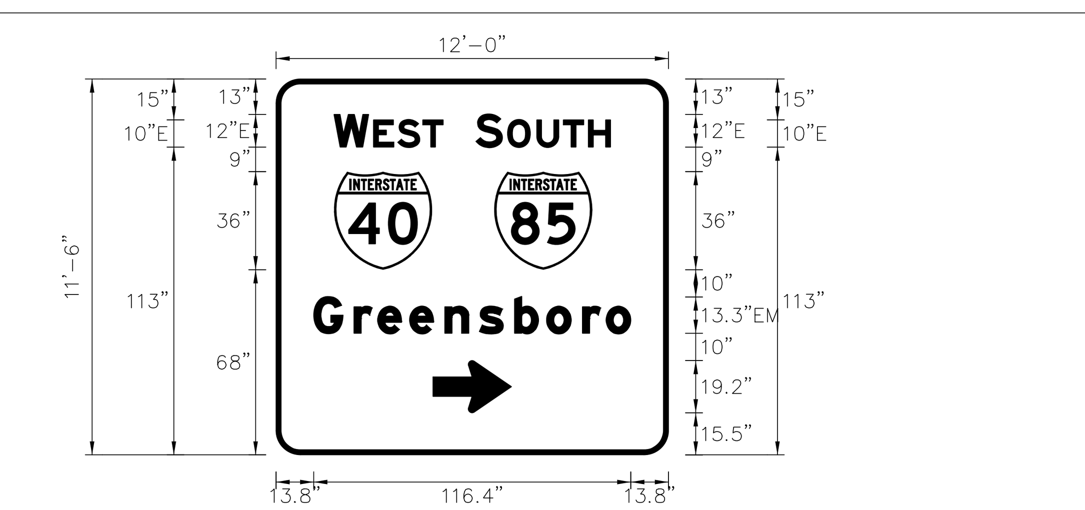
SYMBOL	X	Y	WID	HT
M1_1	21.3	68	36	36
M1_1	80.1	68	36	36
AR_Type D	57.6	15.4	19.2	28.8

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 23+15±
Nov 07, 2018
DIV: 7

USE NOTES:

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields and type D arrow shall be on 0.032" (0.8mm) aluminum with Grade A reflective sheeting and demountable.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

												Series/Size Text Length
	W		E	S	T							E 2000
21.3	12.7	1.8	8.9	9.2	7.5	82.6						40.1
	S		O	U	T	H						E 2000
73.4	9.7	1.8	10.7	9.8	9.2	8.1	21.3					49.4
	G	r	e	e	n	s	b	o	r	o		EM 2000
13.8	14.8	8.7	11.7	12.9	12.7	12.9	11.7	13.2	8.7	9.1	13.8	116.4

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

OVERHEAD SIGN DESIGNS

$$$$SYSTIME$$$$ $$$$USERNAME$$$$ $$$$DGN$$$$

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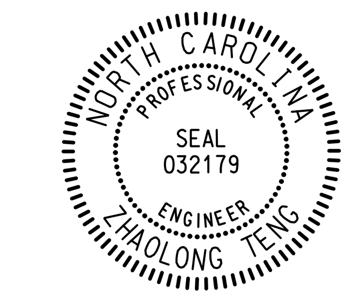
PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-5A

APPROVED: DocuSigned by: Zhaolong Teng 6B6BA0DE5257455...

DATE: 12/17/2019

SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED IN THE OFFICE OF:

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Cary, NC 27511
Tel: 919.263.5678 Fax: 919.263.5687
NC License No. P-1442

OVERHEAD ASSEMBLY 'B'

Sign Number 3

SIGN NUMBER: 3
TYPE: A
QUANTITY: 1

SIGN WIDTH: 12'-0"
HEIGHT: 12'-0"
TOTAL AREA: 144.0 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 136.0

BACKG COLOR: Green
COPY COLOR: White

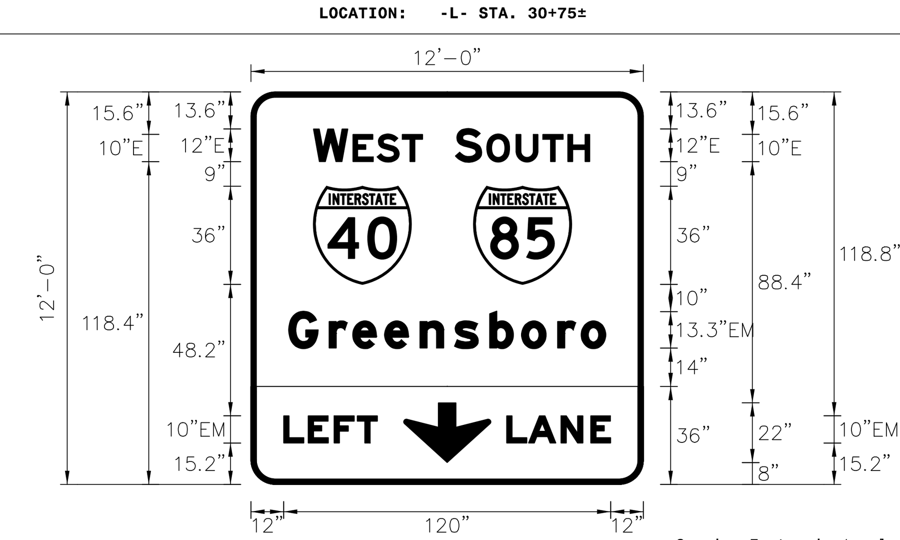
SYMBOL	X	Y	WID	HT
M1_1	22.9	73.4	36	36
M1_1	81.6	73.4	36	36
ARDOWN	56	8	32	22

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 30+75±
Nov 07, 2018
DIV: 7

USE NOTES:

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields shall be on 0.032" (0.8mm) aluminum with Grade A reflective sheeting and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Arrow shall be on 0.032" aluminum, black non-reflective sheeting an demountable. Yellow Panel Border Info: Black, 0.5" Recess, 1.5" Width



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

												Series/Size Text Length
	W		E	S	T							E 2000
22.9	12.7	1.8	8.9	9.2	7.5	81						40.1
	S		O	U	T	H						E 2000
75	9.7	1.8	10.7	9.8	9.2	8.1	19.7					49.4
	G	r	e	e	n	s	b	o	r	o		EM 2000
13.8	14.8	8.7	11.7	12.9	12.7	12.9	11.7	13.2	8.7	9.1	13.8	116.4
	L	E	F	T		L	A	N	E			EM 2000
12	9	9.5	8.5	7.4	47.4	8	11.9	10.9	7.4	12		120

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

Sign Number 4

SIGN NUMBER: 4
TYPE: A
QUANTITY: 1

SIGN WIDTH: 11'-0"
HEIGHT: 11'-6"
TOTAL AREA: 126.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"

NO. Z BARS: 3
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White

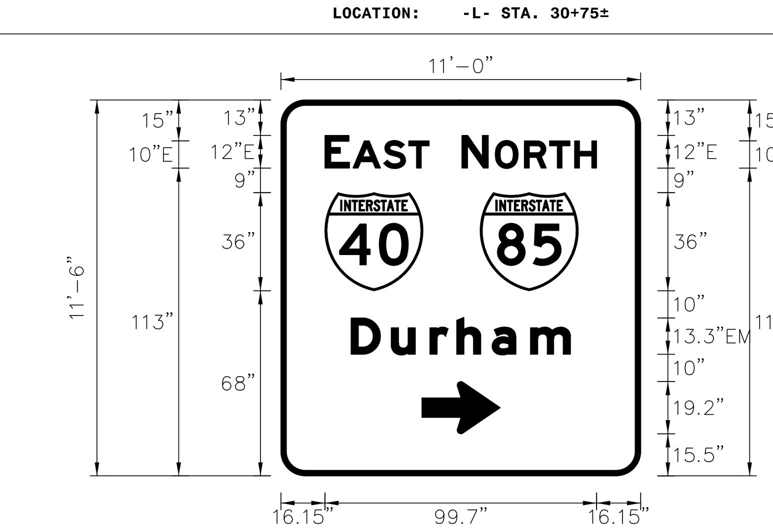
SYMBOL	X	Y	WID	HT
M1_1	16.1	68	36	36
M1_1	73.1	68	36	36
AR_Type D	51.7	15.4	19.2	28.8

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 30+75±
Nov 07, 2018
DIV: 7

USE NOTES:

1. Legend and border(except those that are colored black) shall be direct applied Grade A sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields and type D arrow shall be on 0.032" (0.8mm) aluminum with Grade A reflective sheeting and demountable.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

								Series/Size Text Length
	E		A	S	T			E 2000
16.1	9	1.2	11.3	9.2	7.5	77.6		38.2
	N		O	R	T	H		E 2000
66.4	9.7	2.6	10.7	9.2	9.2	8.1	16.1	49.5
	D	u	r	h	a	m		EM 2000
25.7	14.8	14.1	9.9	12.9	14.1	14.7	25.7	80.5

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

OVERHEAD SIGN DESIGNS

$$$$$$$$$$$$$$$SYSTIME$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$USERNAME$$$$$$$

DocuSign Envelope ID: 75937D10-3CC1-4005-9A67-83D2F81DEDCA

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-5B

APPROVED: DocuSigned by: Shaolong Teng 5B8BA0DE527455... 12/17/2019

DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER SHAOLONG TENG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED IN THE OFFICE OF:

Accelerate Engineering, PLLC
875 Walnut Street, Suite 316
Cary, NC 27511
Tel: 919.263.5678 Fax: 919.263.5687
NC License No. P-1442

SIGN NUMBER: 101A
TYPE: A
QUANTITY: 1
SIGN WIDTH: 11'-0"
HEIGHT: 5'-0"
TOTAL AREA: 55.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3.00"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: White
COPY COLOR: Black

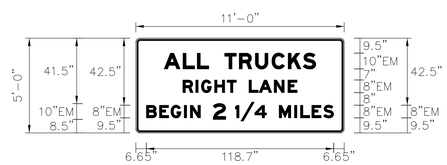
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -Y1- STA. 25+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend and border shall be non-reflective black sheeting.
2. Background shall be Grade C reflective sheeting.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
	A	L	L		T	R	U	C	K	S																EM 2000
18	11.9	9	7.4	10	9.2	10.2	10.5	10.3	9.5	8.1	17.9															96.1
	R	I	G	H	T		L	A	N	E																EM 2000
29.8	8.2	3.5	8.4	7.9	5.9	8	6.4	9.5	8.7	5.9	29.8															72.5
	B	E	G	I	N		2		1	/	4		M	I	L	E	S									EM 2000
6.7	8.2	7.3	8.4	3.8	6.5	8	8.1	6	3.5	8.8	7.4	8	9.7	3.8	7.2	7.4	6.5	6.7								118.7

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 101B
TYPE: B
QUANTITY: 1
SIGN WIDTH: 11'-0"
HEIGHT: 2'-0"
TOTAL AREA: 22.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.50"
RADII: 3.00"
NO. Z BARS: 2
LENGTH: 124.0

BACKG COLOR: Green
COPY COLOR: White

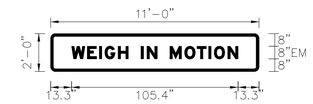
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -Y1- STA. 25+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
	W	E	I	G	H		I	N		M	O	T	I	O	N											EM 2000
13.3	9.9	7.6	3.5	8.4	6.5	8	3.8	6.5	8	9.4	7.8	7.4	3.5	8.6	6.5	13.3										105.4

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 102
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-0"
HEIGHT: 5'-0"
TOTAL AREA: 45.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3.00"
NO. Z BARS: 2
LENGTH: 100.0

BACKG COLOR: White
COPY COLOR: Black

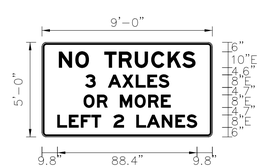
SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -RPB Y1- STA. 15+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend and border shall be non-reflective black sheeting.
2. Background shall be Grade C reflective sheeting.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
	N	O		T	R	U	C	K	S																	E 2000
10.9	10.4	8.4	10	9.2	10.1	10.4	10.4	9.3	8.1	10.8																86.3
	3		A	X	L	E	S																			E 2000
27.5	6.5	8	9	8.6	7.4	7.1	6.5	27.5																		53
	O	R		M	O	R	E																			E 2000
26.5	8.6	6.5	8	9.4	8.6	8.1	6	26.5																		55
	L	E	F	T		2		L	A	N	E	S														E 2000
9.8	7.4	7.6	6.6	6	8	6.5	8	6.6	9.5	8.6	7.1	6.5	9.8													88.4

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 103
TYPE: A
QUANTITY: 1
SIGN WIDTH: 8'-6"
HEIGHT: 9'-0"
TOTAL AREA: 76.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 94.0

BACKG COLOR: Green
COPY COLOR: White

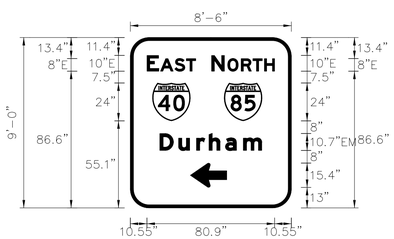
SYMBOL	X	Y	WID	HT
M1_1	14	55.2	24	24
M1_1	59.5	55.2	24	24
AR_Type D	38	13.1	15.4	23

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 28+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields and Type D arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
	E		A	S	T																					E 2000
10.6	7.5	1	9	7.4	6	60.5																				30.9
	N		O	R	T	H																				E 2000
51.5	8.1	2.1	8.6	7.4	7.4	6.5	10.6																			40
	D	u	r	h	a	m																				EM 2000
18.7	11.9	11.3	7.9	10.4	11.3	11.8	18.7																			64.6

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS

DocuSign Envelope ID: 75937D10-3CC1-4005-9A67-83D2F81DEDCA

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-5C

APPROVED: DocuSigned by: Chaolong Teng 6B6BA3DE5257455... 12/17/2019

DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER CHAOLONG TENG

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PREPARED IN THE OFFICE OF:

Accelerate Engineering, PLLC
875 Walnut Street, Suite 316
Cary, NC 27511
Tel: 919.263.5678 Fax: 919.263.5687
NC License No. P-1442

SIGN NUMBER: 104
TYPE: A
QUANTITY: 1
SIGN WIDTH: 9'-6"
HEIGHT: 9'-0"
TOTAL AREA: 85.5 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 2"
RADII: 12"
NO. Z BARS: 3
LENGTH: 106.0

BACKG COLOR: Green
COPY COLOR: White

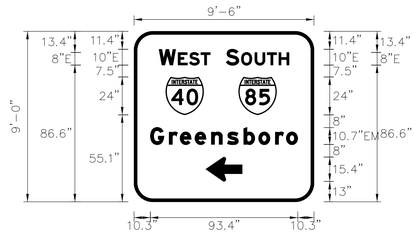
SYMBOL	X	Y	WID	HT
M1_1	20.1	55.1	24	24
M1_1	66.3	55.1	24	24
AR_Type D	45.5	13	15.4	23

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -L- STA. 25+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Shields and Type D arrows shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																									Series/Size Text Length
	W		E	S	T																				E 2000
15.8	10.6	1.4	7.1	7.4	6	65.7																			32.5
	S		O	U	T	H																			E 2000
58.3	8.1	1.5	8.6	7.8	7.4	6.5	15.8																		39.8
	G	r	e	e	n	s	b	o	r	o															EM 2000
10.3	11.9	7	9.4	10.4	10.2	10.4	9.4	10.6	7	7.3	10.3														93.4

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 201, 202
TYPE: A
QUANTITY: 1
SIGN WIDTH: 8'-0"
HEIGHT: 5'-0"
TOTAL AREA: 40.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1.5"
RADII: 6"
NO. Z BARS: 2
LENGTH: 88.0

BACKG COLOR: Green
COPY COLOR: White

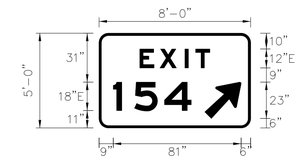
SYMBOL	X	Y	WID	HT
AR_Type A	67	6	18.3	29.3

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: SEE SIGN-3 AND SIGN-6
May 16, 2019
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. Type A arrow shall be on 0.032" (0.8mm) aluminum with Grade C reflective sheeting and demountable.



Spacing Factor for "EXIT" is 2.25.
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																									Series/Size Text Length
	E	X	I	T																					E 2000
25.8	12.8	15.8	6.8	9	25.8																				44.4
	1	5	4																						E 2000
9	13.5	19	16.9	37.6																					49.4

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 301
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-0"
HEIGHT: 3'-6"
TOTAL AREA: 21.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green/Brown
COPY COLOR: White

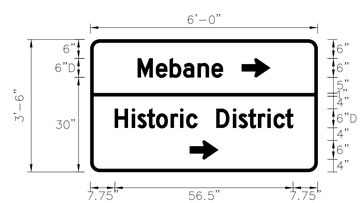
SYMBOL	X	Y	WID	HT
AR_Type D	48	30	6	9
AR_Type D	31.5	4	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -RPA_Y1- STA. 13+00±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. The upper potion of the sign panel shall have green background and the lower portion shall have brown background.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																									Series/Size Text Length
	M	e	b	a	n	e																			D 2000
15	5.8	4.4	4.3	4.6	4.4	3.5	30																		26.9
	H	i	s	t	o	r	i	c		D	i	s	t	r	i	c	t								D 2000
7.8	5.4	1.8	3.1	2.8	4.6	3	1.9	3.5	6	5.3	1.8	3.1	3.1	3	1.9	3.8	2.4	7.8							56.5

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302
TYPE: D
QUANTITY: 1
SIGN WIDTH: 6'-0"
HEIGHT: 3'-6"
TOTAL AREA: 21.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 1"
RADII: 3"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green/Brown
COPY COLOR: White

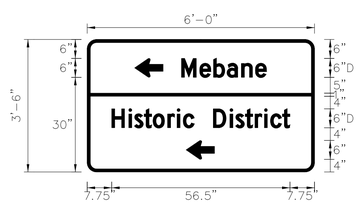
SYMBOL	X	Y	WID	HT
AR_Type D	15	30	6	9
AR_Type D	31.3	4	6	9

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: -RPC_Y1- STA. 8+50±
Nov 06, 2018
DIV: 7

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.
3. The upper potion of the sign panel shall have green background and the lower portion shall have brown background.



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																									Series/Size Text Length
	M	e	b	a	n	e																			D 2000
29.9	5.8	4.4	4.3	4.6	4.4	3.5	15.2																		26.9
	H	i	s	t	o	r	i	c		D	i	s	t	r	i	c	t								D 2000
7.8	5.4	1.8	3.1	2.8	4.6	3	1.9	3.5	6	5.3	1.8	3.1	3.1	3	1.9	3.8	2.4	7.8							56.5

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS

DocuSign Envelope ID: 75937D10-3CC1-4005-9A67-83D2F81DEDCA

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-5D

APPROVED: DocuSigned by: Zhaolong Teng 6B6BA0DE5257455...

DATE: 12/17/2019

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED IN THE OFFICE OF:
Accelerate Engineering, PLLC
875 Walnut Street, Suite 316
Cary, NC 27511
Tel: 919.263.5678 Fax: 919.263.5687
NC License No. P-1442

Sign 303,304

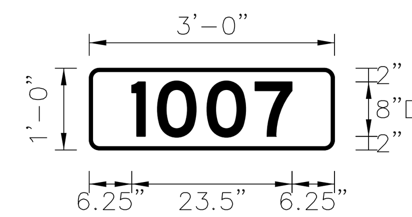
SIGN NUMBER: 303,304
TYPE: D
QUANTITY: 2
SIGN WIDTH: 3'-0"
HEIGHT: 1'-0"
TOTAL AREA: 3.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.5"
RADII: 1.5"
NO. Z BARS:
LENGTH:

BACKG COLOR: Green
COPY COLOR: White

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: SEE SHEET SIGN-6
Nov 06, 2018
DIV: 7



Spacing Factor is 1 unless specified otherwise

USE NOTES:

1. Legend & border shall be direct applied Grade C sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

							Series/Size Text Length
		1	0	0	7		D 2000
	6.2	3.8	7.3	7	5.4	6.2	23.5

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

Sign 409

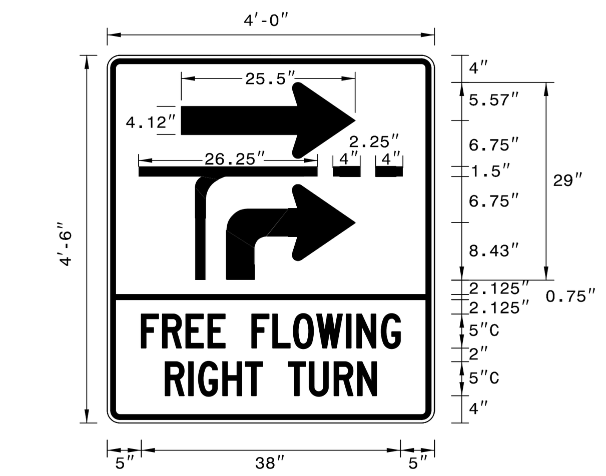
SIGN NUMBER: 409
TYPE: E
QUANTITY: 1
SIGN WIDTH: 4'-0"
HEIGHT: 4'-6"
TOTAL AREA: 18.0 Sq.Ft.
BORDER TYPE: FLUSH
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3.00"
NO. Z BARS: 2
LENGTH: 40.0

BACKG COLOR: Yellow
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: G. Teng
PROJECT ID: I-5711
CHECKED BY: E. Thomas
LOCATION: SEE SHEET SIGN-6
Nov 06, 2018
DIV: 7



Spacing Factor is 1 unless specified otherwise

USE NOTES:

1. Legend and border shall be non-reflective black sheeting.
2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

														Series/Size Text Length
	F	R	E	E		F	L	O	W	I	N	G		C 2000
5	3.1	3.5	3.2	2.6	3.9	3.1	3	3.4	4.3	1.6	3.6	2.8	5	38
	R	I	G	H	T		T	U	R	N				C 2000
8.5	3.4	1.4	3.6	3.3	2.6	3.7	3.1	3.6	3.4	2.8	8.5			31

FILENAME: I5711_Sgn_Guidsign

NORTH CAROLINA D.O.T. SIGN DETAIL

GROUND MOUNTED SIGN DESIGNS

DocuSign Envelope ID: A96C2C3A-9F88-484F-A108-DB79DEABE651

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-6

APPROVED: DocuSigned by: Zhaolong Teng 5B6BA0DE3E74A9... 2/9/2021

DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER ZHAOLONG TENG

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PREPARED IN THE OFFICE OF:

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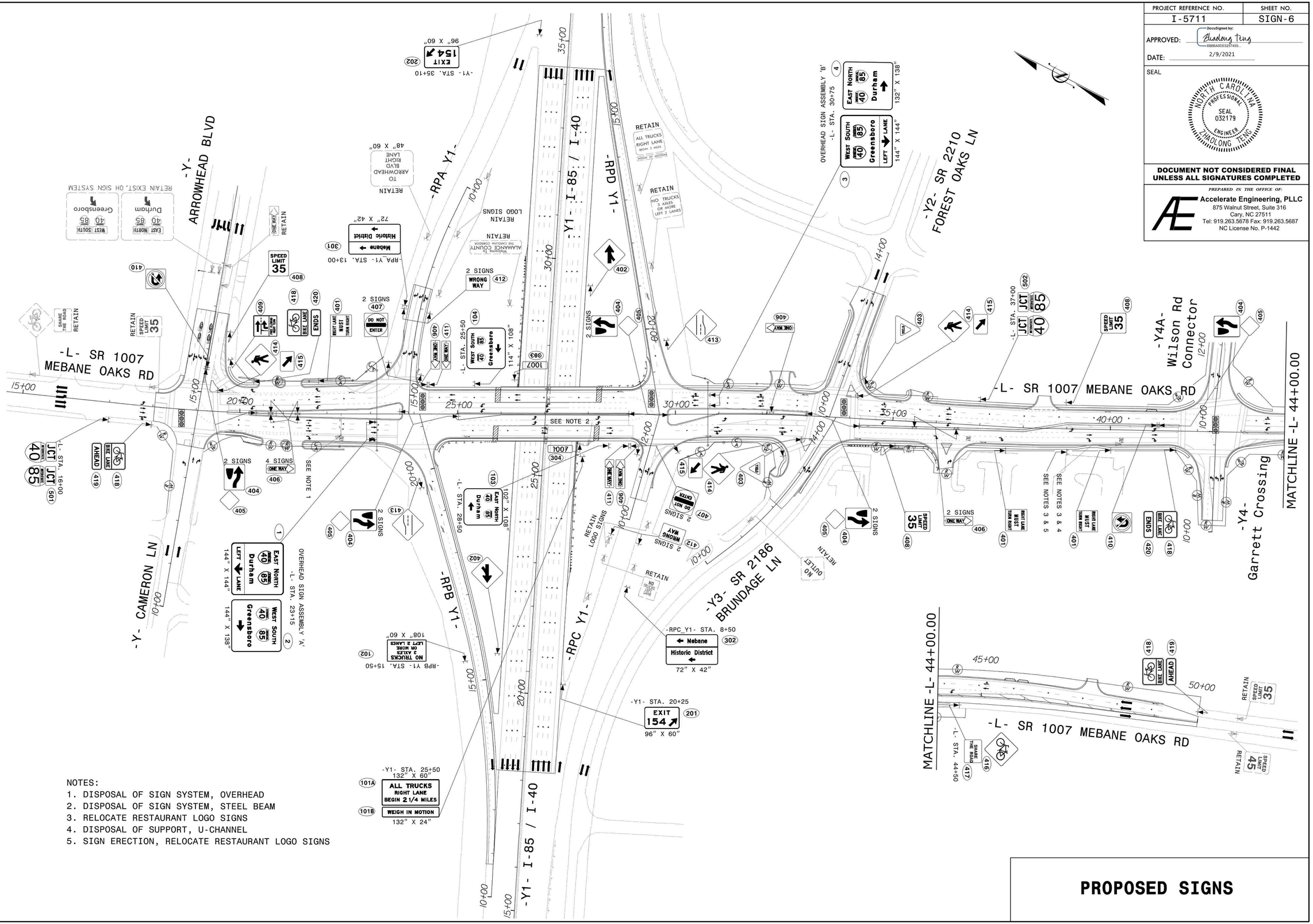
NC License No. P-1442



NOTES:
1. DISPOSAL OF SIGN SYSTEM, OVERHEAD
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3. RELOCATE RESTAURANT LOGO SIGNS
4. DISPOSAL OF SUPPORT, U-CHANNEL
5. SIGN ERECTION, RELOCATE RESTAURANT LOGO SIGNS

PROPOSED SIGNS

DocuSign Envelope ID: 75937D10-3CC1-4005-9A67-83D2F81DEDCA

PROJECT REFERENCE NO.	SHEET NO.
I-5711	SIGN-6A

APPROVED: DocuSigned by: Baolong Teng 5B8BA0DE5D7455... 12/17/2019

DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032179 ENGINEER BAOLONG TENG

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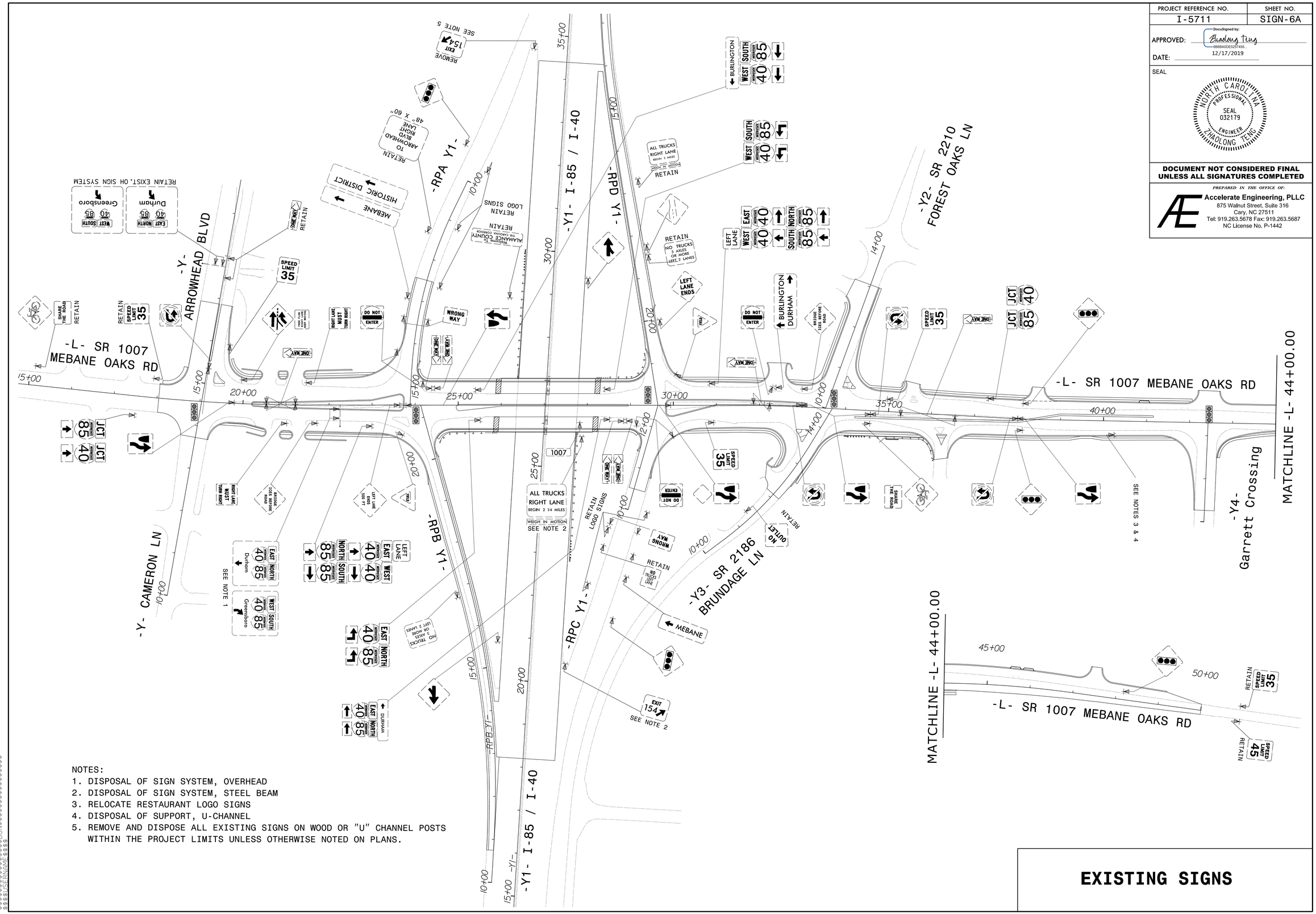

NOTES:

1. DISPOSAL OF SIGN SYSTEM, OVERHEAD
2. DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3. RELOCATE RESTAURANT LOGO SIGNS
4. DISPOSAL OF SUPPORT, U-CHANNEL
5. REMOVE AND DISPOSE ALL EXISTING SIGNS ON WOOD OR "U" CHANNEL POSTS WITHIN THE PROJECT LIMITS UNLESS OTHERWISE NOTED ON PLANS.

EXISTING SIGNS

$$$$SYSTIME$$$$
$$$$SYSTIME$$$$
$$$$SIGNELEVN$$$$
$$$$SIGNELEVN$$$$