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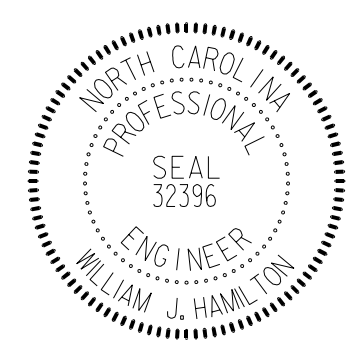
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CONTRACT NO.: C203789 T.I.P.: B-4929

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
PENDER COUNTY**

**LOCATION: ROLAND AVENUE
N. TOPSAIL DRIVE
N. NEW RIVER DRIVE**

<small>TIP NO.</small> B - 4929	<small>SHEET NO.</small> SIGN - 1
<small>APPROVED:</small> <i>William J. Hamilton</i> <small>DATE:</small> 3/24/2016	
	
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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 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . 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 "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.

SUMMARY OF QUANTITIES

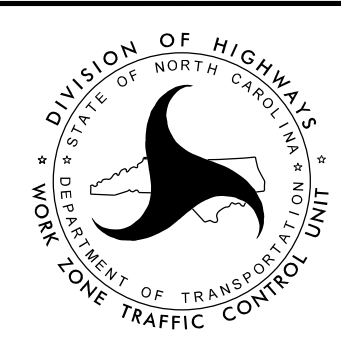
ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	1235	L.F.
4096000000	904	SIGN ERECTION, TYPE D	3	EA.
4102000000	904	SIGN ERECTION, TYPE E	81	EA.
4108000000	904	SIGN ERECTION, TYPE F	4	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	40	EA.

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2	TYPE D SIGNS
SIGN-3	TYPE E AND F SIGNS
SIGN-4-5	EXISTING SIGNING DETAIL
SIGN-6-7	PROPOSED SIGNING DETAIL

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


AYMAN ALQUDWAH, P.E. SIGNING & DELINEATION REGIONAL ENGINEER
MITCH EATON SIGNING & DELINEATION DESIGN ENGINEER



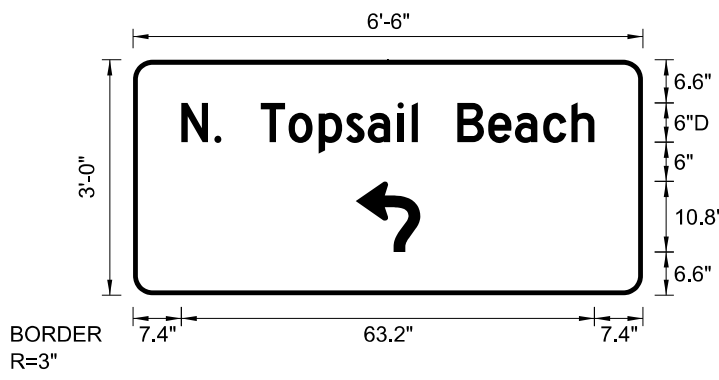
PLAN PREPARED BY: Ramey Kemp & Associates

W.JASON HAMILTON, P.E., PTOE PROJECT MANAGER
TIMOTHY S. POPELKA, EI PROJECT ENGINEER



TIP NO. B-4929	SHEET NO. SIGN-2
Approved by: <u>William J. Hamilton</u> DATE: 3/24/2016	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 3'-0" TOTAL AREA: 19.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>AR_FISHHOOK</td> <td>34</td> <td>6.6</td> <td>9.9</td> <td>10.8</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_FISHHOOK	34	6.6	9.9	10.8	DESIGN BY: NE BURNS PROJECT ID: B-4929 CHECKED BY: WJ HAMILTON LOCATION: PENDER COUNTY Mar 16, 2016 DIV: 3
SYMBOL	X	Y	WID	HT								
AR_FISHHOOK	34	6.6	9.9	10.8								



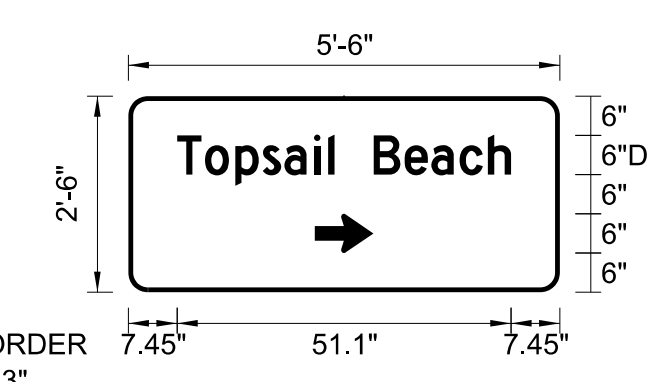
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
N	.	T	o	p	s	a	i	l	B	e	a	c	h			D 2000	
7.4	5	1.1	6	4.3	4.6	4.2	3.3	4.6	2.2	1	6	4.7	4.1	4.3	4.3	3.5	7.4

FILENAME: Nick's Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 2'-6" TOTAL AREA: 13.8 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>AR_Type D</td> <td>28.5</td> <td>6</td> <td>6</td> <td>9</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_Type D	28.5	6	6	9	DESIGN BY: NE BURNS PROJECT ID: B-4929 CHECKED BY: WJ HAMILTON LOCATION: PENDER COUNTY Mar 16, 2016 DIV: 3
SYMBOL	X	Y	WID	HT								
AR_Type D	28.5	6	6	9								



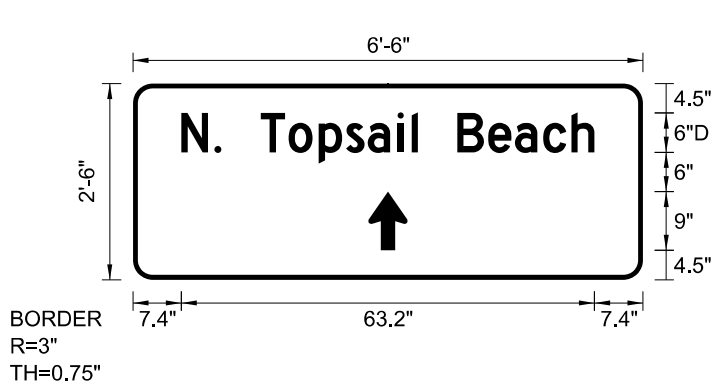
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size	
															Text Length	
T	o	p	s	a	i	l	B	e	a	c	h					D 2000
7.5	4.3	4.6	4.2	3.3	4.6	2.2	1	6	4.7	4.1	4.3	4.3	3.5	7.5		51.1

FILENAME: Nick's Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 6'-6" HEIGHT: 2'-6" TOTAL AREA: 16.3 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 0.75" RADII: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White <table border="1"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr> <td>AR_Type D</td> <td>36</td> <td>4.5</td> <td>6</td> <td>9</td> </tr> </table> MAT'L: 0.125" (3.2 mm) ALUMINUM	SYMBOL	X	Y	WID	HT	AR_Type D	36	4.5	6	9	DESIGN BY: NE BURNS PROJECT ID: B-4929 CHECKED BY: WJ HAMILTON LOCATION: PENDER COUNTY Mar 16, 2016 DIV: 3
SYMBOL	X	Y	WID	HT								
AR_Type D	36	4.5	6	9								



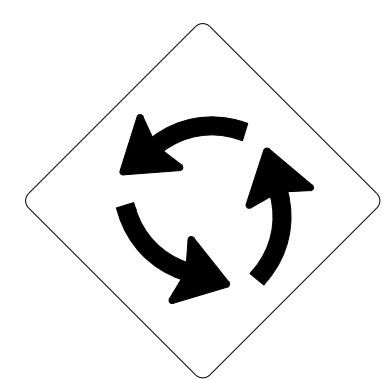
Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size		
															Text Length		
N	.	T	o	p	s	a	i	l	B	e	a	c	h			D 2000	
7.4	5	1.1	6	4.3	4.6	4.2	3.3	4.6	2.2	1	6	4.7	4.1	4.3	4.3	3.5	7.4

FILENAME: Nick's Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

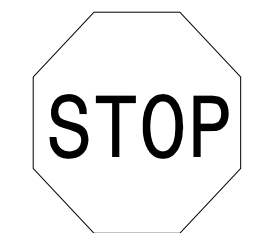
401 QUANTITY REQ'D 5



30 X 30
W2-6

ONE "U" POST PER SIGN

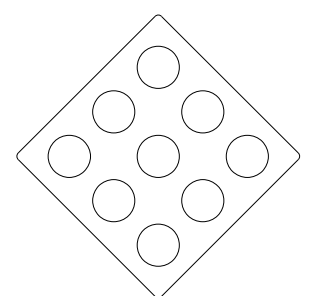
406 QUANTITY REQ'D 3



36 X 36
R1-1

ONE "U" POST PER SIGN

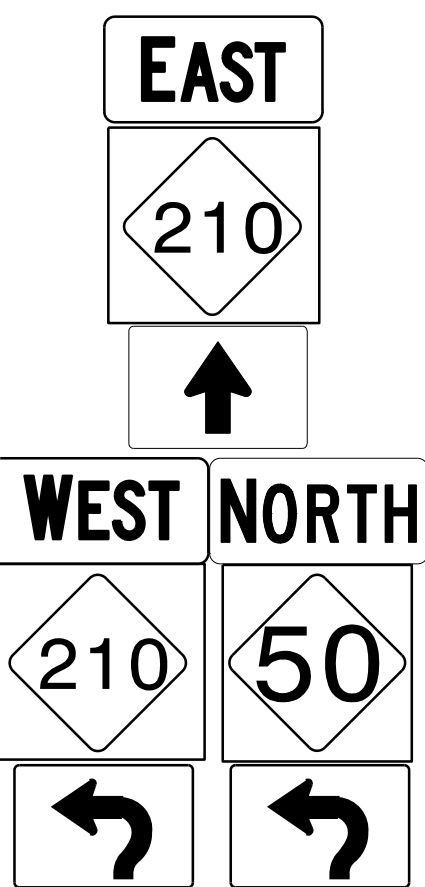
411 QUANTITY REQ'D 3



18 X 18
OM4-2

ONE "U" POST PER SIGN

501



1 - 24" X 12"

1 - 30" X 24"

1 - 21" X 15"

2 - 24" X 12"


1 - 30" X 24"

1 - 24" X 24"

2 - 21" X 15"

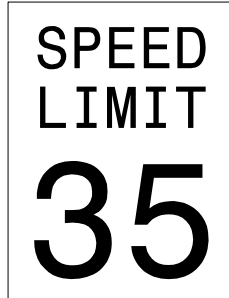
TWO "U" POSTS PER SIGN

APPROVED: *William J. Hamilton*
DATE: 3/24/2016



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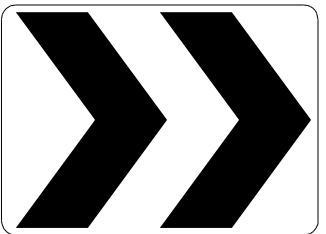
402 QUANTITY REQ'D 5



30 x 36
R2-1

ONE "U" POST PER SIGN

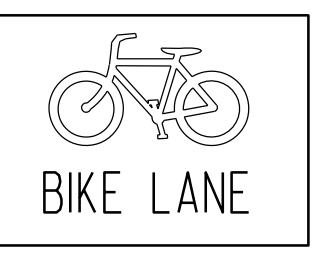
407 QUANTITY REQ'D 7



30 X 24
R6-4

ONE "U" POST PER SIGN

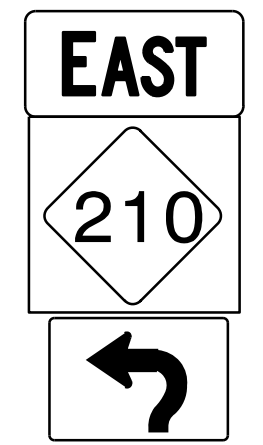
412 QUANTITY REQ'D 2



24 X 18
R3-17

ONE "U" POST PER SIGN

503



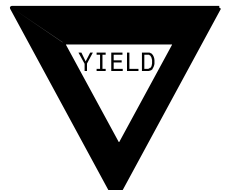
1 - 24" X 12"

1 - 30" X 24"

1 - 21" X 15"

MOUNT BELOW SIGN NO. 301


403 QUANTITY REQ'D 23



48 X 48 X 48
R1-2

ONE "U" POST PER SIGN

408 QUANTITY REQ'D 3



30 X 30
W14-2

ONE "U" POST PER SIGN

502



1 - 24" X 12"

1 - 24" X 24"

1 - 21" X 15"

2 - 24" X 12"

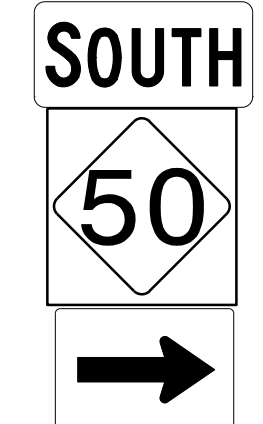
1 - 30" X 24"

1 - 24" X 24"

2 - 21" X 15"

TWO "U" POSTS PER SIGN

504




1 - 24" X 12"

1 - 24" X 24"

1 - 21" X 15"

MOUNT BELOW SIGN 303

404 QUANTITY REQ'D 13

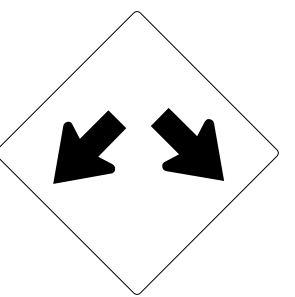


36 X 36
W11-2

YELLOW/GREEN REFLECTIVE SHEETING

ONE "U" POST PER SIGN

409 QUANTITY REQ'D 2



30 X 30
W12-1

ONE "U" POST PER SIGN

405 QUANTITY REQ'D 13

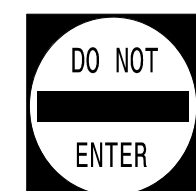


24 X 12
W16-7

YELLOW/GREEN REFLECTIVE SHEETING

MOUNTED BELOW SIGN 404
IN 13 INSTALLATIONS


410 QUANTITY REQ'D 2



36 X 36
R5-1

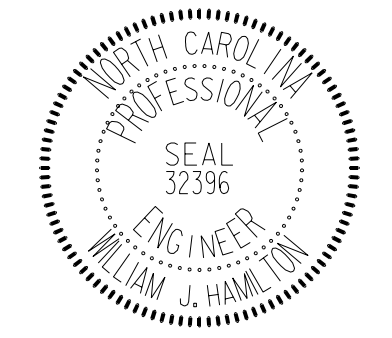
ONE "U" POST PER SIGN

Prepared in the offices of:

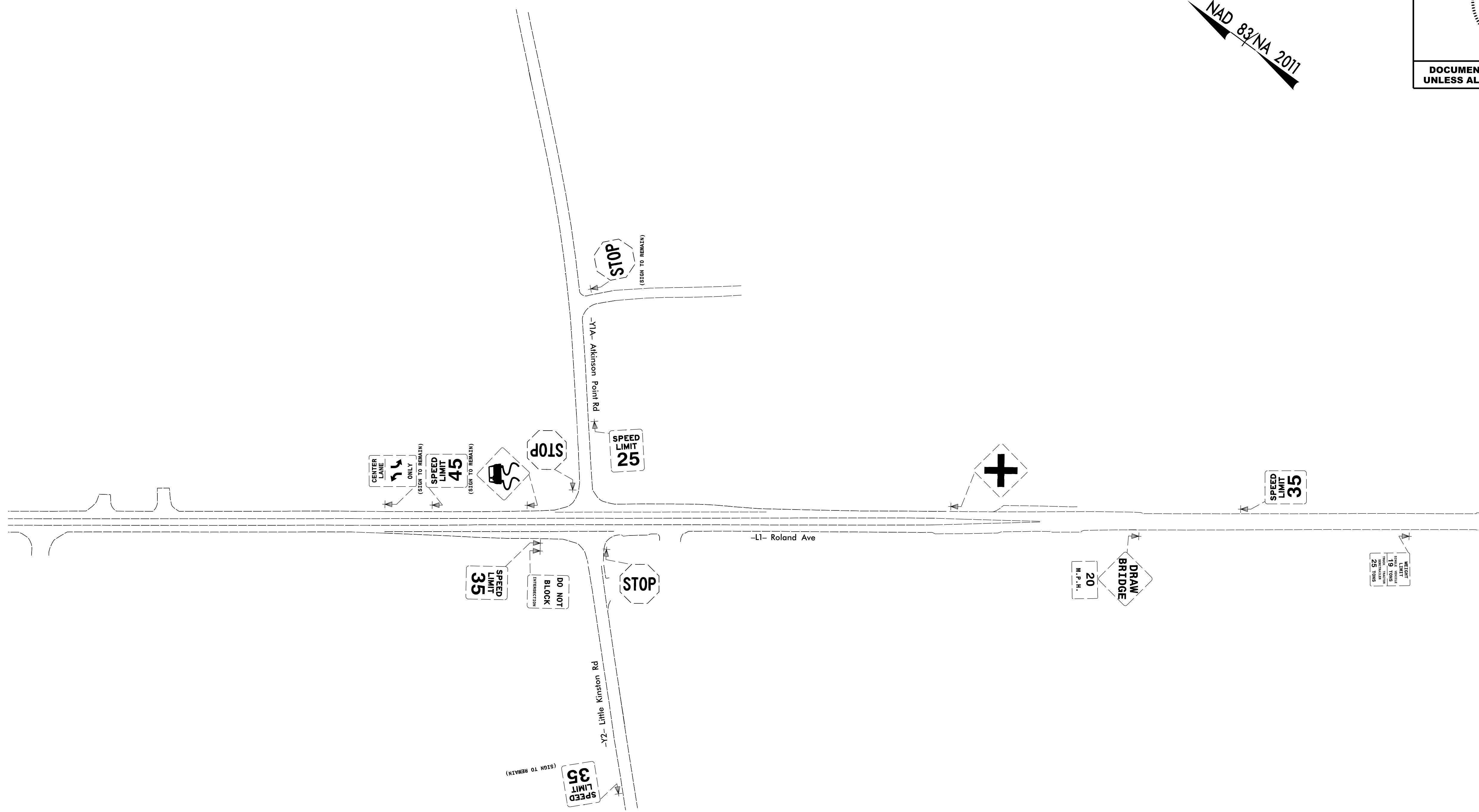


RAMEY KEMP ASSOCIATES, INC.
Transportation Engineers
8908 Fairington Place, Suite 100
Raleigh, North Carolina 27609
919-772-2115 Tel. 919-772-2418 Fax.
www.rameykemp.com

TYPE "E" AND "F" SIGNS

TIP NO. B-4929	SHEET NO. SIGN-4
APPROVED: <i>William J. Hamilton</i> 3/24/2016	
DATE: 3/24/2016	
SEAL 	
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NAD 83/NA 2011



NOTE: REMOVE AND DISPOSE OF EXISTING SIGNS IN PROJECT AREA UNLESS OTHERWISE NOTED.

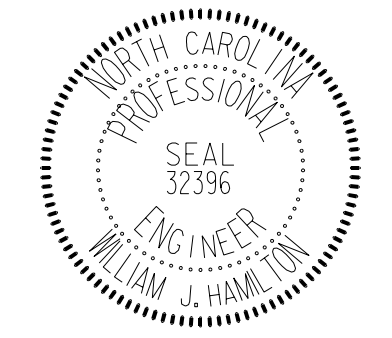
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Prepared in the offices of:

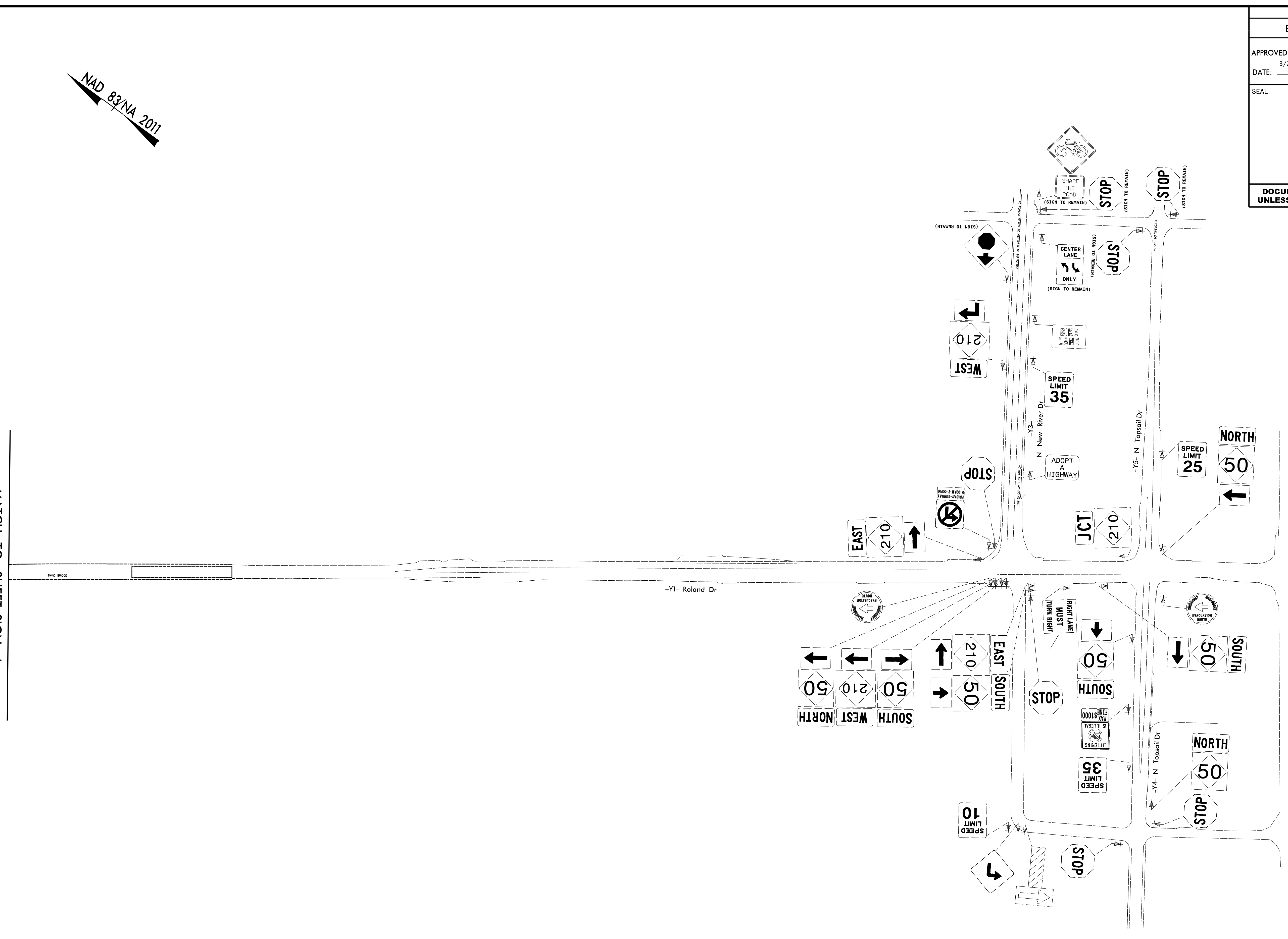
RAMEY KEMP & ASSOCIATES, INC.
 Transportation Engineers
 5808 Farrington Place, Suite 100
 Raleigh, North Carolina 27609
 919-872-8115 Tel. 919-878-6416 Fax.
 www.rameykemp.com

EXISTING SIGNING DETAIL

NAD 83/NA 2011

TIP NO. B-4929	SHEET NO. SIGN-5
APPROVED: <u>William J. Hamilton</u> AUS600704648484	
DATE: 3/24/2016	
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MATCH TO SHEET SIGN 4




NOTE: REMOVE AND DISPOSE OF EXISTING SIGNS
IN PROJECT AREA UNLESS OTHERWISE NOTED.

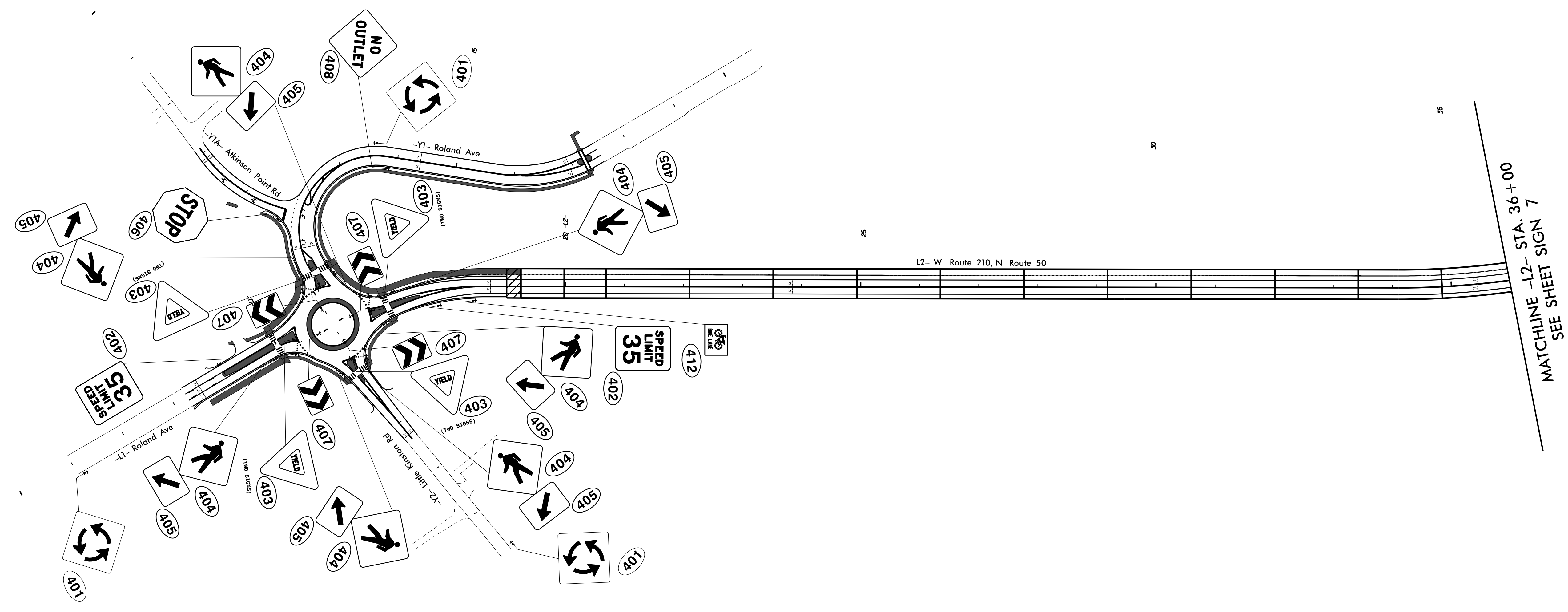
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 Transportation Engineers
 5808 Farrington Place, Suite 100
 Raleigh, North Carolina 27609
 919-872-5115 Tel. 919-878-5416 Fax.
 www.rameykemp.com

**EXISTING
SIGNING
DETAIL**

TIP NO. B-4929	SHEET NO. SIGN-6
DESIGNED BY: <i>William J. Hamilton</i> APPROVED: _____ <small>-A0590070464484-</small> DATE: 3/24/2016	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NAD 83/NA 2011



MATCHLINE -L2- STA. 36+00
SEE SHEET SIGN 7

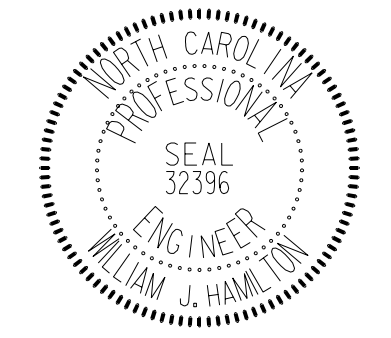
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User: jkemp

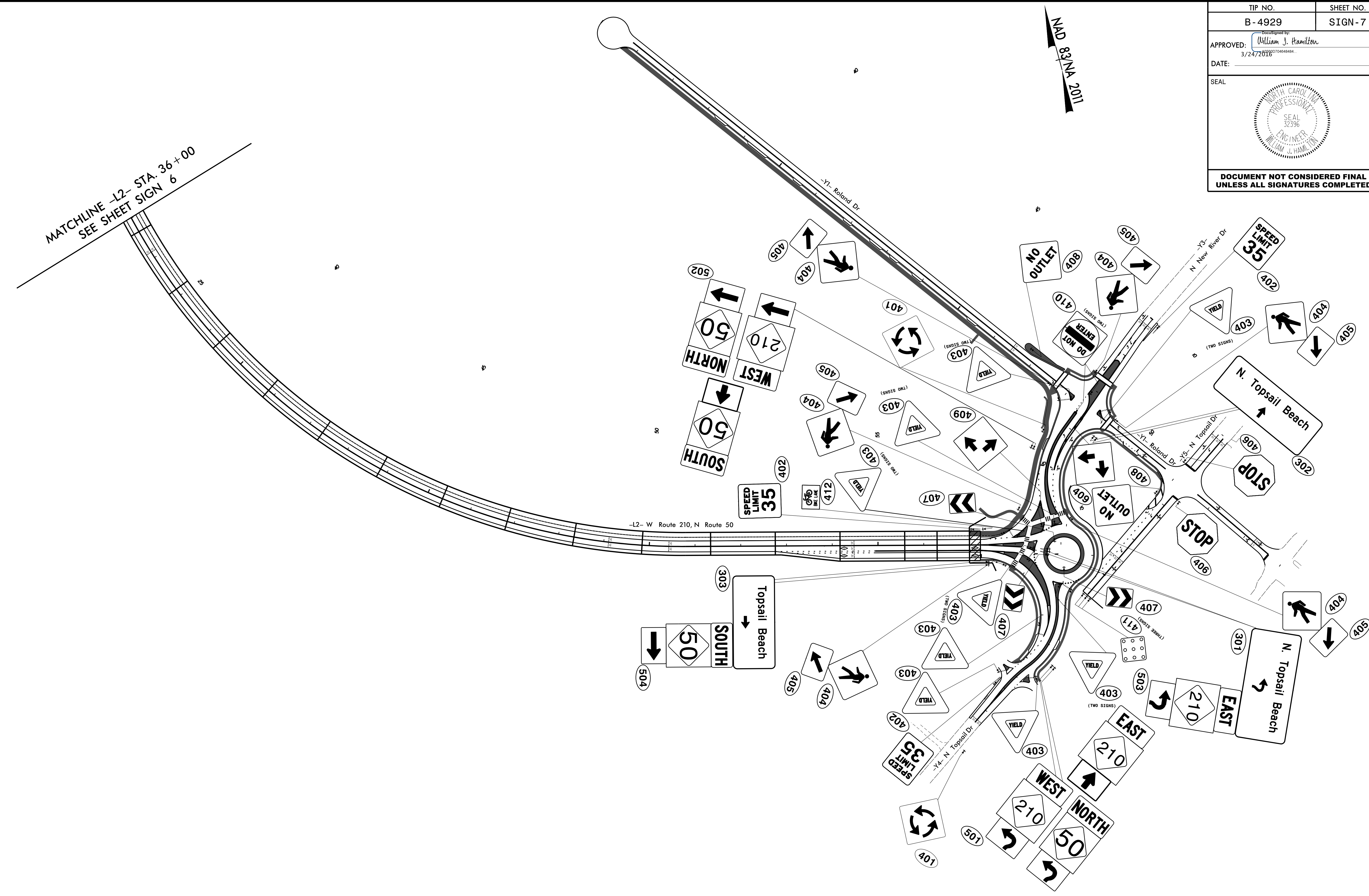
Prepared in the offices of:



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 Transportation Engineers
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 Raleigh, North Carolina 27609
 919-872-8115 Tel. 919-878-6416 Fax.
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**PROPOSED
SIGNING DETAIL**

TIP NO. B-4929	SHEET NO. SIGN-7
Approved by: <i>William J. Hamilton</i> 3/24/2016	
DATE: 3/24/2016	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



3/24/2016 10:42:26 sign07.dgn

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**PROPOSED
SIGNING DETAIL**