

**PROJECT: B-5737**  
**CONTRACT: C204480**

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

**SIGNING PLAN**  
**ROCKINGHAM COUNTY**

**LOCATION: BRIDGE NO.108 OVER US 311 NC 14 NC 87 NC 770  
ON US 311 NC 700 NC 770, SR 3003 (W.MEADOW RD)**

PROJECT REFERENCE NO. <b>B-5737</b>	SHEET NO. <b>SIGN-1</b>
APPROVED:  DocuSigned by: Trent Huffman 008C519E4527404...	
DATE: <u>1/12/2022</u>	
SEAL 	
 4700 FALLS OF NEUSE ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609 19191 781-4626 VOICE 19191 781-4869 FAX 1F-0105	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

**PROJECT NOTES**

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- SIGN ERECTION, RELOCATE SIGN TYPE D

**SUMMARY OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.		
4025000000	901	CONTRACTOR FURNISHED, TYPE D SIGN	52 S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	91 S.F.
4025000000	901	CONTRACTOR FURNISHED, TYPE F SIGN	210 S.F.
4072000000	903	SUPPORTS, 3LB STEEL U-CHANNEL	563 L.F.
4096000000	904	SIGN ERECTION, TYPE D	5 EA.
4102000000	904	SIGN ERECTION, TYPE E	14 EA.
4108000000	904	SIGN ERECTION, TYPE F	10 EA.
4116100000	904	SIGN ERECTION, RELOCATE TYPE D	2 EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	17 EA.

**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2 THRU SIGN-2A	SIGN DESIGNS
SIGN-3	'E' AND 'F' TYPE SIGNS
SIGN-4	SIGNING PLAN SHEET

**PLAN PREPARED BY: MOFFATT & NICHOL**

<u>TIM REID, PE</u>	PROJECT ENGINEER
<u>TRENT HUFFMAN, PE</u>	PROJECT DESIGN

**GENERAL NOTES**

- 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 "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS SHOWN 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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

**PLAN REVIEWED BY: NCDOT SIGNING AND DELINEATION UNIT**

<u>KELVIN JORDAN</u>	SIGNING & DELINEATION REGIONAL ENGINEER
<u>J.NAVARRETE</u>	SIGNING & DELINEATION PROJECT DESIGN ENGINEER

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 2'-6" TOTAL AREA: 13.75 Sq.Ft. BORDER TYPE: Reflective RECESS: 0.00" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT Arrow Type D 9.5 17.5 6 9 Arrow Type D 51 4.8 6 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: Z LIU PROJECT ID: B-5737 CHECKED BY: G MODLIN LOCATION: SR 3003/W MEADOW RD DIV: 07 December 16, 2021
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Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size			
											Text Length			
24.5	4.6	4.2	1.8	4.3	3.1	4.9	1.9	1.9	1.8	3.5	9.5	D 2000/6 4.5 32		
6.0	5.6	4.4	2.4	3.0	2.0	4.2	3.1	4.9	2.0	2.0	1.8	3.5	21	D 2000/6 4.5 39

FILENAME: B5737\_sign-02 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 302 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 1'-6" TOTAL AREA: 8.25 Sq.Ft. BORDER TYPE: Reflective RECESS: 0.00" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT Arrow Type D 49 6 6 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: Z LIU PROJECT ID: B-5737 CHECKED BY: G MODLIN LOCATION: SR 3003/W MEADOW RD DIV: 07 December 16, 2021
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Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size	
											Text Length	
8.0	4.6	4.2	1.8	4.3	3.1	4.9	1.9	1.9	1.8	3.5	26.0	D 2000/6 4.5 32

FILENAME: B5737\_sign-02 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 303 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 1'-6" TOTAL AREA: 8.25 Sq.Ft. BORDER TYPE: Reflective RECESS: 0.00" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT Arrow Type D 51 6 6 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: Z LIU PROJECT ID: B-5737 CHECKED BY: G MODLIN LOCATION: SR 3003/W MEADOW RD DIV: 07 December 16, 2021
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Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size			
											Text Length			
6.0	5.6	4.4	2.4	3.0	2.0	4.2	3.1	4.9	2.0	2.0	1.8	3.5	21	D 2000/6 4.5 39

FILENAME: B5737\_sign-02 NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 304 TYPE: D QUANTITY: 1 SIGN WIDTH: 5'-6" HEIGHT: 2'-6" TOTAL AREA: 13.75 Sq.Ft. BORDER TYPE: Reflective RECESS: 0.00" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT Arrow Type D 7.5 17.8 6 9 Arrow Type D 8.0 4.8 6 9 MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: Z LIU PROJECT ID: B-5737 CHECKED BY: G MODLIN LOCATION: SR 3003/W MEADOW RD DIV: 07 December 16, 2021
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Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size			
											Text Length			
19.5	5.6	4.4	2.4	3.0	2.0	4.2	3.1	4.9	2.0	2.0	1.8	3.5	7.5	D 2000/6 4.5 39
26.0	4.6	4.2	1.8	4.3	3.1	4.9	1.9	1.9	1.8	3.5	8.0	D 2000/6 4.5 32		

FILENAME: B5737\_sign-02 NORTH CAROLINA D.O.T. SIGN DETAIL

12/22/2021 09:18:00 AM \\103\B5737\Traffic\Signing\CADD\Sign Designs\B5737\_sign-02.dgn zliu

APPROVED: DATE: 1/12/2022  
DocuSigned by: Trent Huffmann  
Professional Engineer  
Trent E. Huffmann  
SEAL 023912

PROPOSED SIGN DESIGN

SCALE: NTS		REVISIONS
DATE: OCTOBER 26, 2020		
DWG. BY:		
DESIGN BY: Z LIU		
REVIEW BY: G MODLIN		

CAD FILE

SIGN NUMBER: 305 TYPE: D QUANTITY: 1 SIGN WIDTH: 4'-0" HEIGHT: 2'-0" TOTAL AREA: 8.0 Sq.Ft. BORDER TYPE: Reflective RECESS: 0.00" WIDTH: 0.75" RADII: 2.25" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL Arrow Type D MAT'L: 0.125" (3.2 mm) ALUMINUM	DESIGN BY: Z LIU PROJECT ID: B-5737 CHECKED BY: G MODLIN LOCATION: SR 3003/W MEADOW RD December 16, 2021 DIV: 07
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Spacing Factor is 1 unless specified otherwise

Letter spacings are to start of next letter											Series/Size		
	I	n	d	u	S	t	r	i	a	l		Text Length	
	8.0	2.2	4.4	4.7	4.3	3.0	3.0	3.0	1.8	4.5	1.0	8.0	D 2000/6 4.5 32
		A	r	e	a								D 2000/6 4.5 15
	25.0	5.4	2.5	3.7	3.4	8.0							

USE NOTES: 1,2  
1. Legend and border (except those that are colored black) shall be direct applied Grade C sheeting.  
2. Background shall be Grade C reflective sheeting.

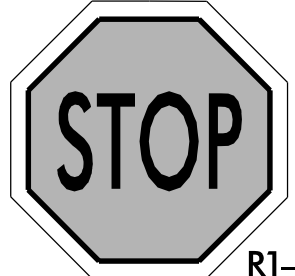





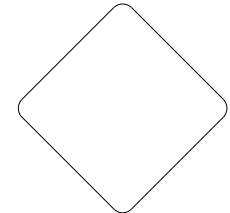
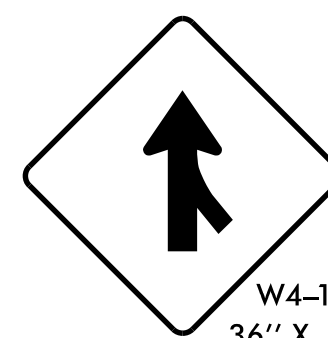
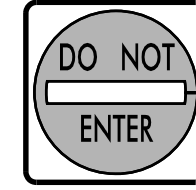

FILENAME: B5737\_sign-02A NORTH CAROLINA D.O.T. SIGN DETAIL

12/22/2021 09:18 AM 1001-103\B5737\Traffic\Signing\CADD\Sign Designs\B5737\_sign-02A.dgn zliu

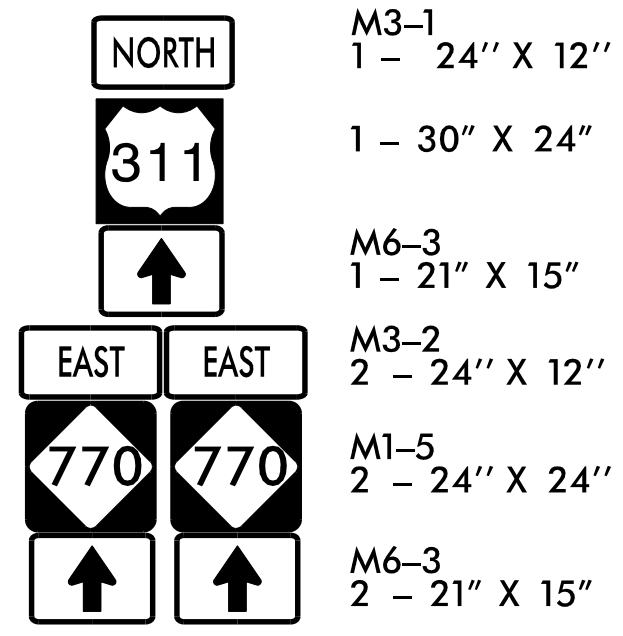
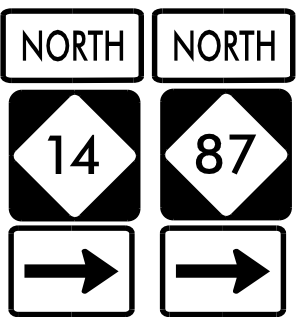
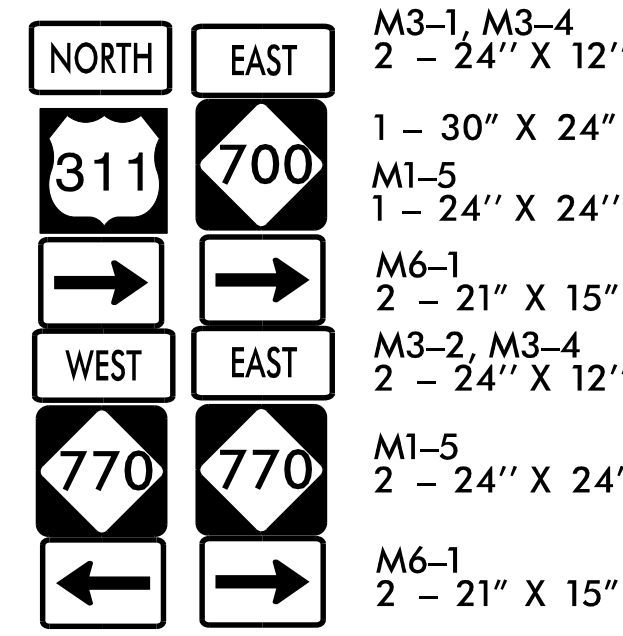
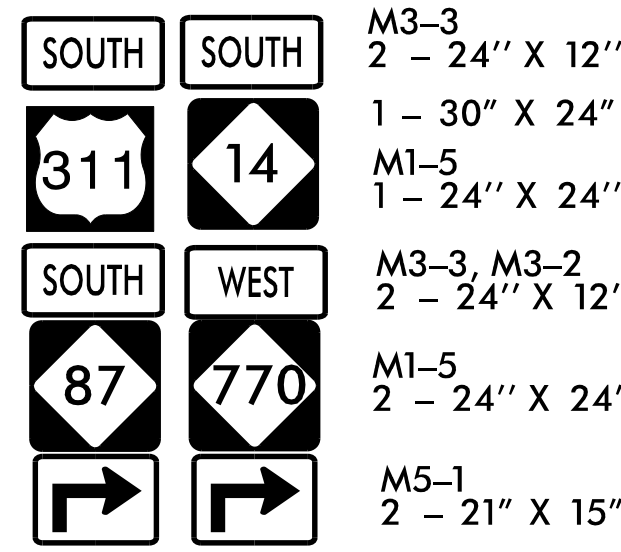

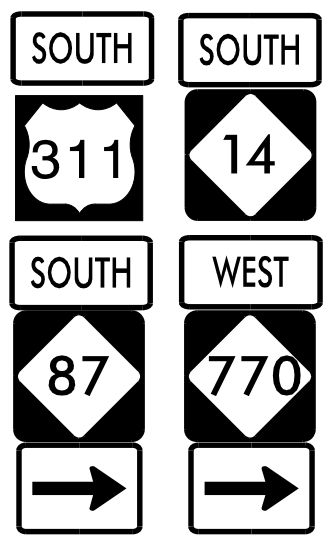
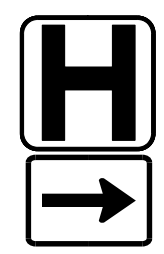

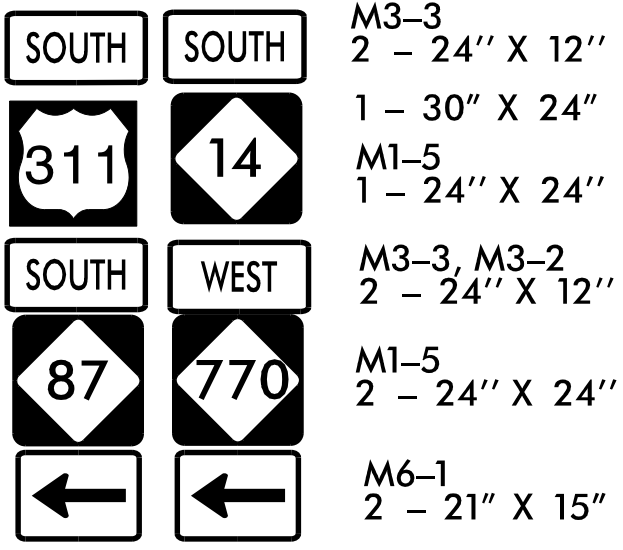
APPROVED: _____ DATE: 1/12/2022	<b>PROPOSED SIGN DESIGN</b>	
DocuSigned by: <i>Trent Huff</i> 023912	SCALE: NTS	REVISIONS
	DATE: OCTOBER 26, 2020	
	DWG. BY: Z LIU	
	REVIEW BY: G MODLIN	
		CAD FILE

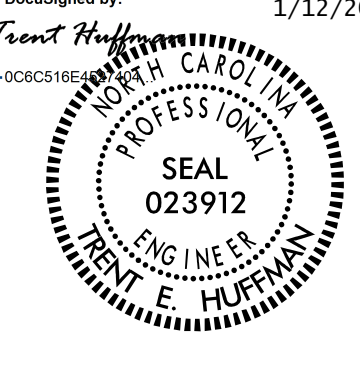



### TYPE "E" SIGNS

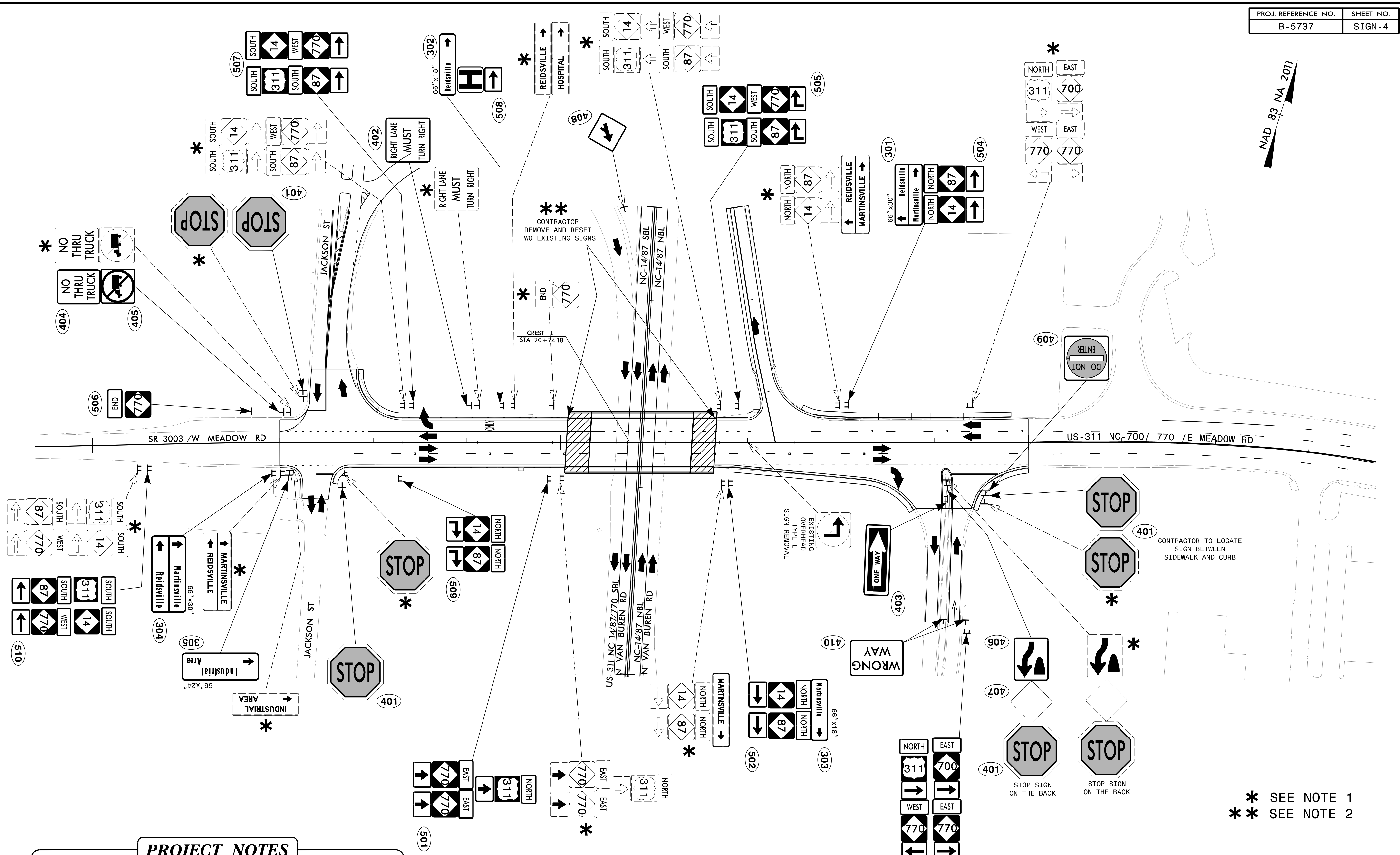
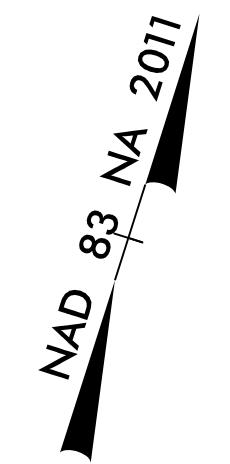
<p>401 QUANTITY REQ'D 4</p>  <p>R1-1 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>402 QUANTITY REQ'D 1</p>  <p>R3-7 R 30" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>403 QUANTITY REQ'D 1</p>  <p>R6-1 R 36" X 12"</p> <p>ONE "U" POST PER SIGN</p>	<p>404 QUANTITY REQ'D 1</p>  <p>SPEC1 24" X 30"</p> <p>ONE "U" POST PER SIGN</p>	<p>405 QUANTITY REQ'D 1</p>  <p>SPEC2 24" X 24"</p> <p>MOUNT BELOW SIGN 404 IN 1 INSTALLATIONS</p>	<p>406 QUANTITY REQ'D 1</p>  <p>R4-7 24" X 30"</p> <p>MOUNT BEHIND SIGN 401 IN 1 INSTALLATIONS</p>
<p>407 QUANTITY REQ'D 1</p>  <p>OM1-3 24" X 24"</p> <p>MOUNT BELOW SIGN 406 IN 1 INSTALLATIONS</p>	<p>408 QUANTITY REQ'D 1</p>  <p>W4-1R 36" X 36"</p> <p>ONE "U" POST PER SIGN</p>	<p>409 QUANTITY REQ'D 1</p>  <p>R5-1 30" X 30"</p> <p>MOUNT BEHIND SIGN 401 IN 1 INSTALLATIONS</p>	<p>410 QUANTITY REQ'D 2</p>  <p>R5-1 A 36" X 24"</p> <p>ONE "U" POST PER SIGN</p>		

### TYPE "F" SIGNS

<p>501</p>  <p>M3-1 1 - 24" X 12"</p> <p>1 - 30" X 24"</p> <p>M6-3 1 - 21" X 15"</p> <p>M3-2 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M6-3 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>	<p>502 504</p>  <p>M3-1 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M6-1 2 - 21" X 15"</p> <p>502 MOUNT BELOW SIGN 303 IN 1 INSTALLATIONS</p> <p>504 MOUNT BELOW SIGN 301 IN 1 INSTALLATIONS</p>	<p>503</p>  <p>M3-1, M3-4 2 - 24" X 12"</p> <p>1 - 30" X 24"</p> <p>M1-5 1 - 24" X 24"</p> <p>M6-1 2 - 21" X 15"</p> <p>M3-2, M3-4 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M6-1 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>	<p>505</p>  <p>M3-3 2 - 24" X 12"</p> <p>1 - 30" X 24"</p> <p>M1-5 1 - 24" X 24"</p> <p>M3-3, M3-2 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M5-1 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>	<p>506</p>  <p>M4-8 B 24" X 12"</p> <p>M1-5 1 - 24" X 24"</p> <p>ONE "U" POST PER SIGN</p>	<p>507</p>  <p>M3-3 2 - 24" X 12"</p> <p>1 - 30" X 24"</p> <p>M1-5 1 - 24" X 24"</p> <p>M3-3, M3-2 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M6-1 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>
<p>508</p>  <p>D9-2 1 - 24" X 24"</p> <p>M6-1 1 - 21" X 15"</p> <p>MOUNT BELOW SIGN 302 IN 1 INSTALLATIONS</p>	<p>509</p>  <p>M3-1 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M5-1 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>	<p>510</p>  <p>M3-3 2 - 24" X 12"</p> <p>1 - 30" X 24"</p> <p>M1-5 1 - 24" X 24"</p> <p>M3-3, M3-2 2 - 24" X 12"</p> <p>M1-5 2 - 24" X 24"</p> <p>M6-1 2 - 21" X 15"</p> <p>TWO "U" POST PER SIGN</p>			

APPROVED:	DATE:	TYPE "E" SIGNS AND TYPE "F" SIGNS		
DocuSigned by: Trent Huff 02C516E56E...	1/12/2022			
		SCALE: NTS		REVISIONS
		DATE: APRIL 21, 2020		
		DWG. BY: Z LIU		
		REVIEW BY: G MODLIN		
				CAD FILE

12/17/2021 05:48:00 \\001-103\B5737\Traffic\Signing\CADD\Sign Designs\B5737\_sign-03.dgn gmedlin



**PROJECT NOTES**

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 RELOCATE SIGN SPECIAL

\* SEE NOTE 1  
 \*\* SEE NOTE 2

1/12/2022  
 O:\NRA\1001-103\B5737\Traffic\Signing\CADD\Sign Designs\B5737\_sign-04.dgn  
 zliu

APPROVED: DATE: 1/13/2022

DocuSigned by:  
 Trent Huffmann  
 006C518E4E4E4E4E4E4E4E4E4E4E4E4E

EXISTING & PROPOSED SIGN SR 3003/ W.MEADOW RD	
SCALE: NTS	REVISIONS
DATE: JANUARY 12, 2022	
DWG. BY:	
DESIGN BY: Z LIU	
REVIEW BY: G MODLIN	
	CAD FILE

