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# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

# SIGNING PLAN YADKIN COUNTY

LOCATION: BRIDGE NO.105 OVER YADKIN RIVER OVERFLOW ON US 421 NORTHBOUND LANES

# SUMMARY OF QUANTITIES

ITEM NO	).	TTEM DECODEDETON	OHANTITY	LINITT
DESC. NO.	SECT. NO.	ITEM DESCRIPTION	QUANTITY	UNIT
4066000000	903	SUPPORTS, SIMPLE STEEL BEAM	1536	LB.
4048000000	902		1	C.Y.
4054000000	902	PLAIN CONCRETE SIGN FOUNDATION	1	C.Y.
4110000000	904	SIGN ERECTION, TYPE A (GROUND MOUNTED)	1	EA.
4110000000	904	SIGN ERECTION, TYPE B (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE A (GROUND MOUNTED)	2	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE B (GROUND MOUNTED)	1	EA.
4141000000	907	DISPOSAL OF SÚPPORT, WOOD	2	EA.
4152000000	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1	EA.
(4158000000)	907	DISPOSAL OF SIGN SYSTEM, WOOD	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:

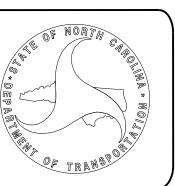
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING

## 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.
- . 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.
- . 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.

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

KELVIN JORDAN SIGNING & DELINEATION REGIONAL ENGINEER WALTER JOHNSON SIGNING & DELINEATION PROJECT DESIGN ENGINEER



**INDEX** 

PROJECT REFERENCE NO.

B-5389

5/22/2019

APPROVED: Levu B. Roach

**UNLESS ALL SIGNATURES COMPLETED** 

SIGN-1

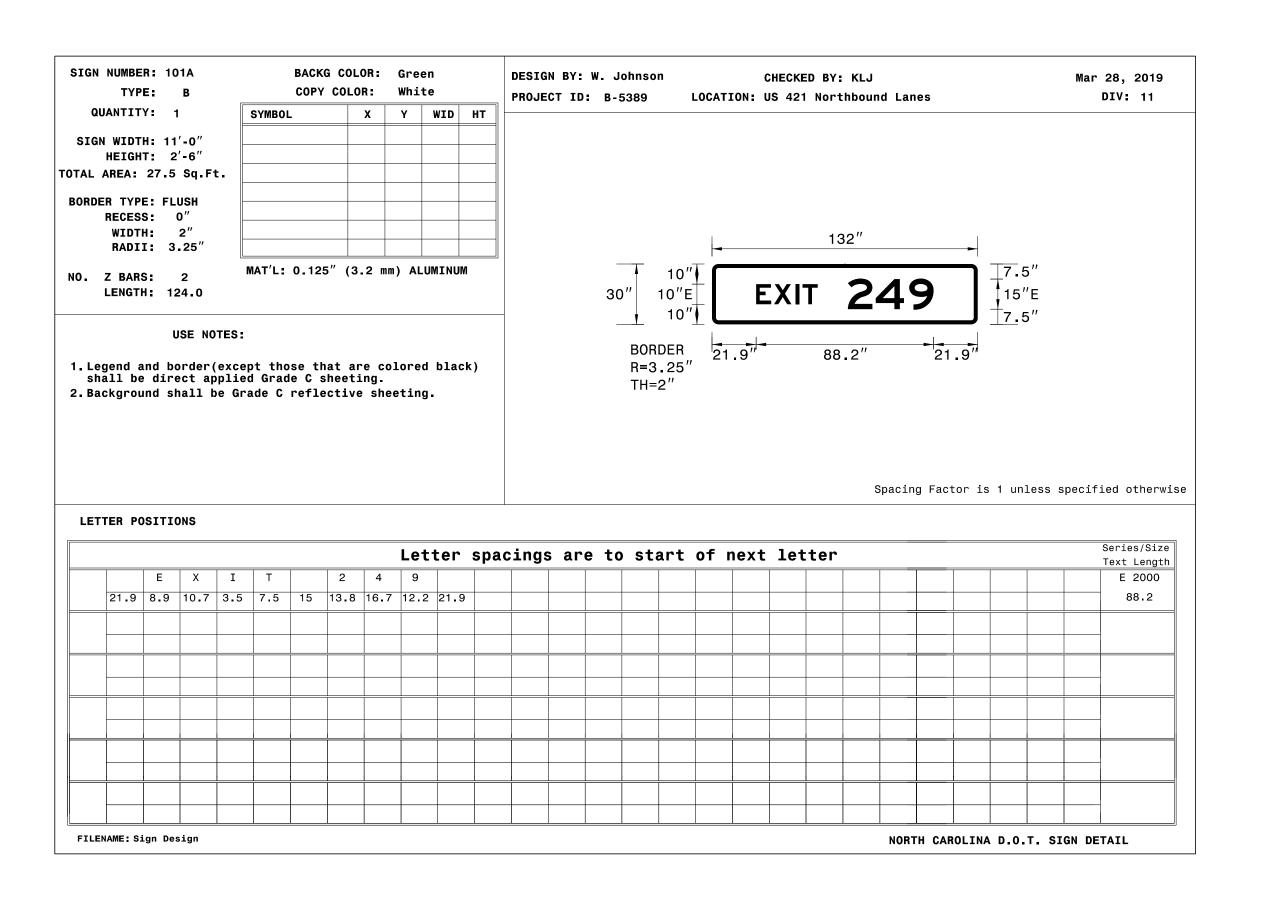
SHEET NO. **DESCRIPTION** TITLE SHEET SIGN-1 SUPPORT CHART SIGN-2 SIGN DESIGNS SIGN-3 SIGN-4 SIGN DETAIL SHEET

PROJECT REFERENCE NO.	SHEET NO.
B-5389	SIGN-2
APPROVED: Renue B. Roadi 3EB4360BD316431  DATE:	
SEAL	
SEAL	
SEAL 024921 NG INE B. ROA	THE

																												FOC	TINGS		FIELD
	SIG	GN			NUMBER		SUPPORT				HORIZONTAL			LENGTH	(ft)										SUPPORT	WEIGHTS					VERIFIED
			SIZE (in.)	ROADWAY	OF	BEAM	TYPE	OMNI	ATTACHMENT	MOUNTING	CLEARANCE*	SUPPORT	SNS HT	MTG HT	EMBED-	LEF	SUPPOR	RT (ft)	CENTE	R SUPPO	ORT (ft)	RIGH	T SUPPO	RT (ft)	B/A	SIMPLE	DIAMETER	DEPTH	REINFORCED	PLAIN	
NUMBER	TYPE	W	v x h	STATION	SUPPORTS	SECTION	BA or S	COUPLER	METHOD	METHOD	(ft.)	SPACING	"H"	"C"	MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	(lbs.)	(lbs.)	(ft.)	(ft.)	(c.y.)	(c.y.)	(mm/dd/yy)
101A 101B	В	13 28	1 1	LNB 12+00+/-	3	W6x16	S	N/A	1-R	N/A N/A	0.00	8.34	10.00	7.00	4.5	1.00	18.00	22.50	1.00	18.00	22.50	1.00	18.00	22.50	0.00	1080	1.5	5	0.98	0.00	
901	A	90	0 x 54	LNB 32+00+/-	2	S3x5.7	S	N/A	N/A N/A	N/A	0.00	4.40	4.50	7.00	2.5	1.00	12.50	15.00	0.00	0.00	0.00	1.00	12.50	15.00	0.00	171	1.0	3	0.00	0.17	
902A 902B	A B	10 10		LNB 24+00+/-	2	S4x7.7	S	N/A	N/A N/A	N/A II	0.00	5.27	7.00	7.00	3.5	1.00	15.00	18.50	0.00	0.00	0.00	1.00	15.00	18.50	0.00	284.9	1.0	4	0.00	0.23	

TOTAL TOTAL 0.00 1535.90 TOTAL TOTAL 0.98 0.41

0.00 1536.00 1.00 1.0



				COLOR:	Green	•		DESIG	N BY: W	. Johns	on		C	CHECKI	ED BY:KL	.J			Ap	r 04, 2019
TYPE: A			COPY C	COLOR:	White	)		PROJEC	T ID:	3-5389	ļ	LOCATI	ON: U	S 421	Northb	ound La	nes		_	DIV: 11
QUANTITY: 1		SYMBOL		х	Υ	WID	нт													
IGN WIDTH: 23'-6	6"	AR_Type	e A	127.1	18.1 2	22.4 3	55.3													
HEIGHT: 10'-	ll l														000"					
AL AREA: 235.0 S	Sq.Ft.								-						282"					-
RDER TYPE: FLUS	н																			18.1"
RECESS: 0"												<b>–</b>	1	•				.1		1 +
WIDTH: 2" RADII: 12	I —											Ba	3 I .	τı	m	o r€	R	0		16"EM
RADII: 12	L																			√ 12″
. Z BARS: 3		WAT'L: (	0.125"	(3.2 mr	1) ALU	MINUM					i n	k	i n	6	R	<b>^+</b> ·	tom		A	16"EM
LENGTH: 274.	. 0							1	20"			N		3			COII		u	<b>I</b> ↓
																				†12″ †
USE	NOTES:																			27.8"
Legend and bord	der(excei	nt thos	e that	t are co	lored	hlack	,													
shall be direct	t applie	d Grade	C she	eeting.			,								•					18.1"
Background shall						•														10.1
	A 4.		יט פעמי	патт ре	on				1	1						"				_
Shields, A, B,	and C ty aluminum	ype arr m and d	demount	table.					DER 20	45,					241 1				20 4	5″
	and C ty aluminum	ype arr m and d	demount	table.				BOR R=1 TH=	2"	45"					241.1		ng Factor i	s 1 unles	20.4 s speci	
Shields, A, B,	aluminu	ype arr	demount	table.				R=1	2"	45 <sup>†</sup> ,					241.1		ng Factor i	s 1 unles		fied othe
Shields; A, B, 0.032" (0.8mm)	aluminu	ype arr	demount	table.		ter	spac	R=1 TH=	2"		art	of n	ext	let			ng Factor i	s 1 unles		fied othe
Shields; A, B, 0.032" (0.8mm)	aluminu	ype arr	demount	m o		t <b>er</b>	spac	R=1 TH=	2" 20.		art	of n	ext	let			ng Factor i	s 1 unles		fied othe Series/S Text Leng
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	aluminur S	m and d	i	table.	<b>Let</b>	е		R=1 TH=	2" 2"	to st	art	of n	ext	let			ng Factor i	s 1 unles		fied othe  Series/S: Text Leng EM 200
Shields; A, B, 0.032" (0.8mm)  ETTER POSITIONS	aluminum S a 1	m and d	i 9.6 2:	m o	<b>Let</b>	е		R=1 TH=	are	to st	art	of n	e <b>xt</b>	let			ng Factor i	s 1 unles		Series/Since the Series/Since the Series of Series (Since the Series (Si
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a   1  17   8  i   n	t 13.4	i 9.6 22 i	m 0 2.6   15.8	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R					ng Factor i	s 1 unles		Series/Si Text Leng EM 200 165.8
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unles		Series/Si Text Leng EM 200 165.8
Shields; A, B, 0.032" (0.8mm)  ETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unles		Series/S: Text Leng EM 200 165.8
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unles		Series/Si Text Leng EM 200 165.8
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unless		Series/Si Text Leng EM 200 165.8
Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unles		Series/Si Text Leng EM 200 165.8
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Shields; A, B, 0.032" (0.8mm)  LETTER POSITIONS	<b>aluminu S</b> a	t 13.4 k	i 9.6 22 i	m o 2.6 15.8 n s	r 10.4	e 10.6	16	R=1 TH=	are d 10.6 58.	to st		R	d				ng Factor i	s 1 unles		Series/Si Text Leng EM 200 165.8
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PROJECT REFERENCE NO.  B-5389	SHEET NO.				
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er:walterjohnson

SIGN DESIGN

