STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

April 7, 2026

CONTRACT:	DB00627
WBS ELEMENT:	BP2.R022.3
COUNTY:	CRAVEN
ROUTE:	SR 1465 (BEAVER DAM ROAD)
DESCRIPTION:	GRADING, DRAINAGE, PAVING, AND STRUCTURE OF BRIDGE 24043 OVER SWIFT CREEK ON SR 1465 (BEAVER DAM ROAD) IN CRAVEN COUNTY

ADDENDUM 1

TO: PROSPECTIVE BIDDERS

Please note the following revisions to the proposal.

- Revised of plan pages 1A, 4, and S-13 dated April 6, 2026.

Please replace the plan sheets that were included in the original plans with the attached pages.

Please make sure to sign the addendum page in the proposal to acknowledge this addendum.

Sincerely,

DocuSigned by:
Mary Voelker Moore
714C11DCCEBC4C6...

Mary Voelker Moore, PE
Division Contract Engineer

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 2
PROJECT DEVELOPMENT GROUP
GREENVILLE, NC 27834

Telephone: (252) 439-2828
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1037 W.H. SMITH BLVD.
GREENVILLE, NC 27834

cc: Ms. Catherine Hossack, PE
Ms. Heather C. Lane, PE
Mr. Casey Whitley, PE
Mr. Aaron Bullard, PE
Mr. Jordan Scott, PE
Mr. Stanley Harrell

PROJECT REFERENCE NO.	SHEET NO.
BP2-R022	1A

ROADWAY DESIGN ENGINEER

SEAL 044511

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RS&H
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2C-1 THRU 2C-2	METHOD OF PIPE INSTALLATION
2C-3 THRU 2C-4	GUARDRAIL PLACEMENT
2C-5	RAISED PAVEMENT MARKERS
2D-1	MODIFIED CONCRETE FLUME
3B-1	EARTHWORK SUMMARY, SUMMARY OF PAVEMENT REMOVAL, SHOULDER BERM GUTTER SUMMARY,SUMMARY OF DRAINAGE QUANTITIES, SUMMARY OF GUARDRAIL,
3G-1	GEOTECHNICAL SUMMARIES
4	PLAN SHEET
5	PROFILE SHEET
RW01 THRU RW04	SURVEY CONTROL, EXISITNG CENTERLINES, RIGHT OF WAY, EASEMENT, AND PROPERTY TIES
TMP-1 THRU TMP-2	TRANSPORTATION MANAGEMENT PLANS
EC-1 THRU EC-5	EROSION CONTROL PLANS
RF-1	REFORESTATION PLANS
X-1	CROSS-SECTION INDEX
X-1A	CROSS-SECTION SUMMARY
X-2 THRU X-9	CROSS-SECTIONS
S-1 THRU S-25	STRUCTURE PLANS
SN	STRUCTURE STANDARD NOTES SHEET

GENERAL NOTES

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

GRADE LINE:
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

SUBSURFACE PLANS:

SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT.

END BENTS:

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

STANDARD DRAWINGS

EFF. 08-11-2025
REV. 11-26-2025

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)
DIVISION 4 - MAJOR STRUCTURES	
423.01	Bridge Approach Fills - Type 1 Approach Fill for Bridge Abutment
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 8 - INCIDENTALS	
815.02	Subsurface Drain
838.27	Reinforced Concrete Endwall - for Single 60" Pipe 90 Skew
838.45	Notes for Reinforced Concrete Endwall - Std. Dwg 838.21 thru 838.40
838.57	Reinforced Brick Endwall - for Single 60" Pipe 90 Skew
838.75	Notes for Reinforced Brick Endwall - Std. Dwg 838.51 thru 838.70
838.80	Precast Endwalls - 12" thru 72" Pipe 90 Skew
840.00	Concrete Base Pad for Drainage Structures
840.29	Frames and Narrow Slot Flat Grates
840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
840.46	Traffic Bearing Precast Drainage Structure
846.04	Drop Inlet Installation in Shoulder Berm Gutter
862.01	Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6)
862.02	Guardrail Installation
862.03	Structure Anchor Units
876.02	Guide for Rip Rap at Pipe Outlets

PROJECT REFERENCE NO.	SHEET NO.
BP2-R022	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 044511	SEAL 049761

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RS&H
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

8/17/99

REVISIONS

-L- CURVE DATA

PI Sta 11+16.85	PI Sta 16+90.84
Δ = 1° 56′ 53.9″ (RT)	Δ = 1° 34′ 36.9″ (RT)
D = 0° 50′ 01.4″	D = 0° 41′ 47.3″
L = 233.68′	L = 226.41′
T = 116.85′	T = 113.21′
R = 6,872.18′	R = 8,226.47′
SE = EXIST	SE = EXIST
RO = N/A	RO = N/A

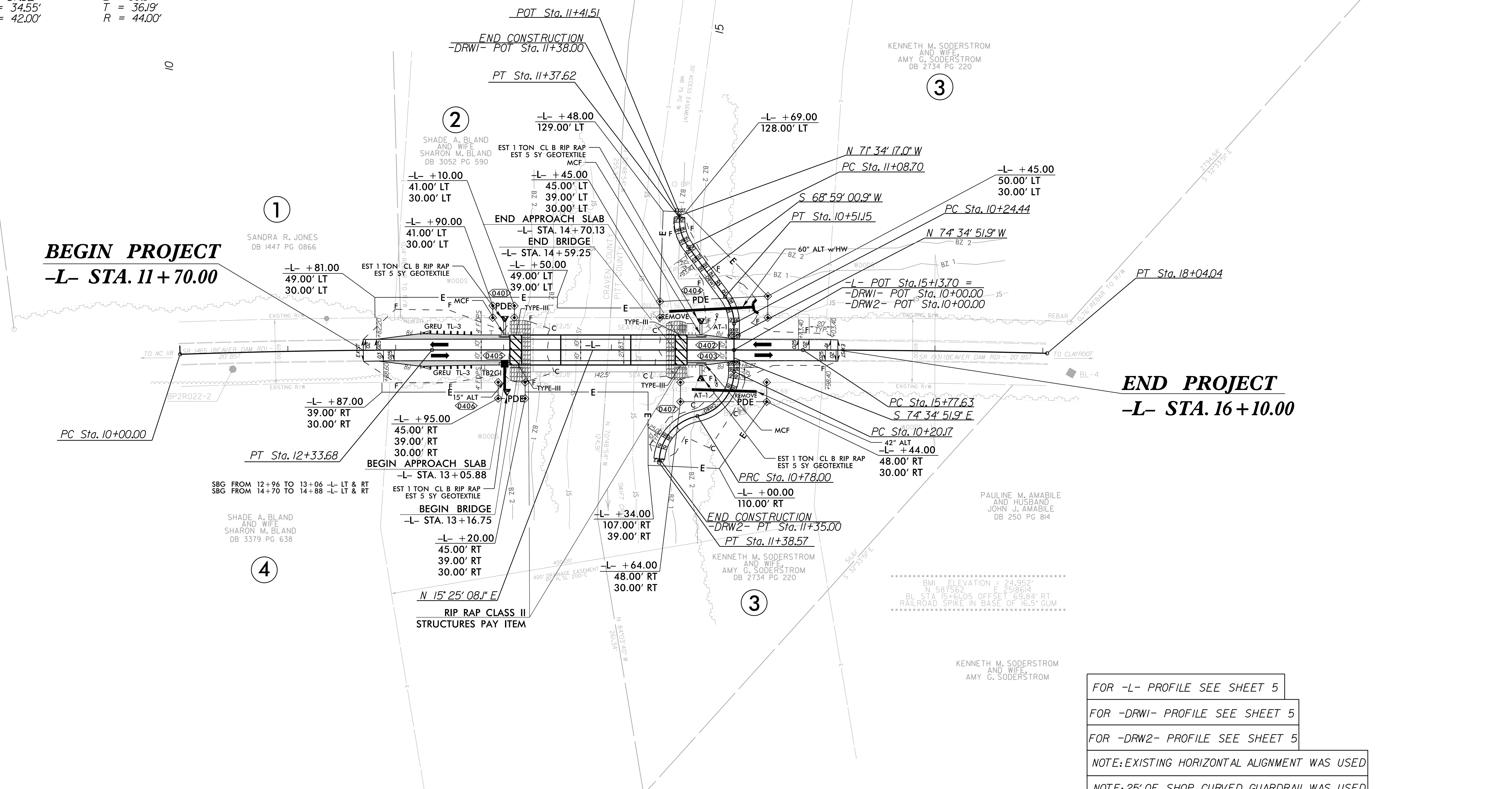
-DRW1- CURVE DATA

PI Sta 10+38.26	PI Sta 11+23.76
Δ = 36° 26′ 07.2″ (LT)	Δ = 39° 26′ 42.1″ (RT)
D = 136° 25′ 06.7″	D = 136° 25′ 06.7″
L = 26.71′	L = 28.91′
T = 13.82′	T = 15.06′
R = 42.00′	R = 42.00′

-DRW2- CURVE DATA

PI Sta 10+54.72	PI Sta 11+14.19
Δ = 78° 52′ 39.9″ (RT)	Δ = 78° 52′ 39.9″ (LT)
D = 136° 25′ 06.7″	D = 130° 13′ 03.7″
L = 57.82′	L = 60.57′
T = 34.55′	T = 36.19′
R = 42.00′	R = 44.00′

NAD 83 NA 2011


BEGIN PROJECT
-L- STA. 11+70.00
END PROJECT
-L- STA. 16+10.00
POT Sta. 11+41.51
END CONSTRUCTION
-DRW1- POT Sta. 11+38.00
PT Sta. 11+37.62
PC Sta. 10+00.00
PT Sta. 12+33.68
PT Sta. 18+04.04
PC Sta. 15+77.63
S 74° 34′ 51.9″ E
N 74° 34′ 51.9″ W
N 71° 34′ 17.0″ W
S 68° 59′ 00.9″ W
PC Sta. 11+08.70
PT Sta. 10+51.15
PC Sta. 10+24.44
-L- POT Sta. 15+13.70 =
-DRW1- POT Sta. 10+00.00
-DRW2- POT Sta. 10+00.00
PC Sta. 10+20.17
PRC Sta. 10+78.00
END CONSTRUCTION
-DRW2- PT Sta. 11+35.00
PT Sta. 11+38.57
N 15° 25′ 08.1″ E
END APPROACH SLAB
-L- STA. 14+70.13
END BRIDGE
-L- STA. 14+59.25
BEGIN APPROACH SLAB
-L- STA. 13+05.88
BEGIN BRIDGE
-L- STA. 13+16.75
RIP RAP CLASS II
STRUCTURES PAY ITEM
EST 1 TON CL B RIP RAP
EST 5 SY GEOTEXTILE
SBG FROM 12+96 TO 13+06 -L- LT & RT
SBG FROM 14+70 TO 14+88 -L- LT & RT
SANDRA R. JONES
DB 1447 PG 0866
SHADE A. BLAND AND WIFE SHARON M. BLAND
DB 3052 PG 590
SHADE A. BLAND AND WIFE SHARON M. BLAND
DB 3379 PG 638
KENNETH M. SODERSTROM AND WIFE AMY G. SODERSTROM
DB 2734 PG 220
PAULINE M. AMABILE AND HUSBAND JOHN J. AMABILE
DB 250 PG 814
BM1 ELEVATION = 24.952′
N 587562 E 2518614
BL STA 15+61.05 OFFSET 69.84′ RT
RAILROAD SPIKE IN BASE OF 16.5″ GUM

FOR -L- PROFILE SEE SHEET 5

FOR -DRW1- PROFILE SEE SHEET 5

FOR -DRW2- PROFILE SEE SHEET 5

NOTE: EXISTING HORIZONTAL ALIGNMENT WAS USED

NOTE: 25′ OF SHOP CURVED GUARDRAIL WAS USED

NOTE: -DRW2- SUPERS TO AVOID POOLING ON THE ACCESS ROAD

NOTE: EXISTING GATES FOR DRIVEWAYS TO BE RESET. PLACE GATES APPROXIMATELY 30′ OFF THE PROPOSED EOT.

FOR STRUCTURE PLANS SEE SHEETS S-1 THRU S-25

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$$$$USERNAME$$$$

BILL OF MATERIAL FOR ONE 35′ CORED SLAB UNIT

				EXTERIOR UNIT		INTERIOR UNIT	
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT
B21	6	#4	STR	12′-9″	51	12′-9″	51
S10	8	#5	3	4′-9″	40	4′-9″	40
S11	74	#4	3	5′-10″	288	5′-10″	288
✳S12	44	#5	1	5′-7″	256		
S14	4	#4	3	5′-7″	15	5′-7″	15
S15	4	#5	3	7′-1″	30	7′-1″	30
REINFORCING STEEL			LBS.		424		424
✳EPOXY COATED REINFORCING STEEL			LBS.		256		
5000 P.S.I. CONCRETE			CU. YDS.		6.1		6.1
0.6″ Ø L.R. STRANDS			No.		11		11

BILL OF MATERIAL FOR ONE 40′ CORED SLAB UNIT

				EXTERIOR UNIT		INTERIOR UNIT	
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT
B22	6	#4	STR	14′-6″	58	14′-6″	58
S10	8	#5	3	4′-9″	40	4′-9″	40
S11	84	#4	3	5′-10″	327	5′-10″	327
✳S12	49	#5	1	5′-7″	285		
S14	4	#4	3	5′-7″	15	5′-7″	15
S15	4	#5	3	7′-1″	30	7′-1″	30
REINFORCING STEEL			LBS.		470		470
✳EPOXY COATED REINFORCING STEEL			LBS.		285		
5000 P.S.I. CONCRETE			CU. YDS.		6.9		6.9
0.6″ Ø L.R. STRANDS			No.		11		11

BILL OF MATERIAL FOR ONE 65′ CORED SLAB UNIT

				EXTERIOR UNIT		INTERIOR UNIT	
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT
B23	6	#4	STR	22′-10″	92	22′-10″	92
S10	8	#5	3	4′-9″	40	4′-9″	40
S11	134	#4	3	5′-10″	522	5′-10″	522
✳S12	74	#5	1	5′-7″	431		
S14	4	#4	3	5′-7″	15	5′-7″	15
S15	4	#5	3	7′-1″	30	7′-1″	30
REINFORCING STEEL			LBS.		699		699
✳EPOXY COATED REINFORCING STEEL			LBS.		431		
6000 P.S.I. CONCRETE			CU. YDS.		11.0		11.0
0.6″ Ø L.R. STRANDS			No.		24		24

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	35′ UNIT					
✳B24	60	60	#5	STR	11′-4″	709
✳S13	88	88	#5	2	7′-2″	658
✳EPOXY COATED REINFORCING STEEL				LBS.		1367
CLASS AA CONCRETE				CU.YDS.		9.1
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.		70.13

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	40′ UNIT					
✳B25	60	60	#5	STR	13′-0″	814
✳S13	98	98	#5	2	7′-2″	733
✳EPOXY COATED REINFORCING STEEL				LBS.		1547
CLASS AA CONCRETE				CU.YDS.		10.4
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.		80.25

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	65′ UNIT					
✳B26	60	60	#5	STR	21′-3″	1330
✳S13	148	148	#5	2	7′-2″	1106
✳EPOXY COATED REINFORCING STEEL				LBS.		2436
CLASS AA CONCRETE				CU.YDS.		16.8
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.		130.13

DEAD LOAD DEFLECTION AND CAMBER

	3′-0″ x 2′-0″
35′ CORED SLAB UNIT	0.6″ Ø L.R. STRAND
CAMBER (SLAB ALONE IN PLACE)	3/8″ ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD✳✳	1/16″ ↓
FINAL CAMBER	5/16″ ↑

✳✳ INCLUDES FUTURE WEARING SURFACE

DEAD LOAD DEFLECTION AND CAMBER

	3′-0″ x 2′-0″
40′ CORED SLAB UNIT	0.6″ Ø L.R. STRAND
CAMBER (SLAB ALONE IN PLACE)	7/16″ ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD✳✳	1/8″ ↓
FINAL CAMBER	5/16″ ↑

✳✳ INCLUDES FUTURE WEARING SURFACE

DEAD LOAD DEFLECTION AND CAMBER

	3′-0″ x 2′-0″
65′ CORED SLAB UNIT	0.6″ Ø L.R. STRAND
CAMBER (SLAB ALONE IN PLACE)	1 7/8″ ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD✳✳	1/2″ ↓
FINAL CAMBER	1 3/8″ ↑

✳✳ INCLUDES FUTURE WEARING SURFACE

CONCRETE RELEASE STRENGTH

UNIT	PSI
35′ & 40′ UNITS	4000
65′ UNITS	4800

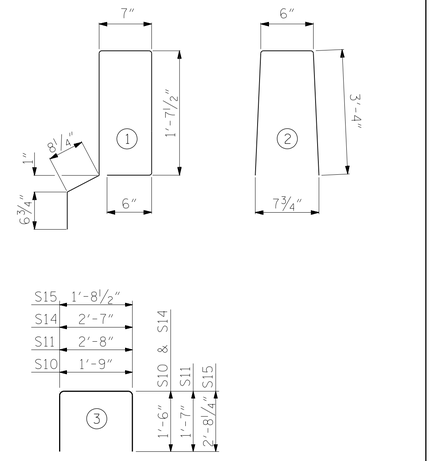
CORED SLABS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
35′ UNIT			
EXTERIOR C.S.	2	35′-0″	70′-0″
INTERIOR C.S.	8	35′-0″	280′-0″
TOTAL	10	35′-0″	350′-0″
40′ UNIT			
EXTERIOR C.S.	2	40′-0″	80′-0″
INTERIOR C.S.	8	40′-0″	320′-0″
TOTAL	10	40′-0″	400′-0″
65′ UNIT			
EXTERIOR C.S.	2	65′-0″	130′-0″
INTERIOR C.S.	8	65′-0″	520′-0″
TOTAL	10	65′-0″	650′-0″

GRADE 270 STRANDS

	0.6″ Ø L.R.
AREA (SQUARE INCHES)	0.217
ULTIMATE STRENGTH (LBS. PER STRAND)	58,600
APPLIED PRESTRESS (LBS. PER STRAND)	43,950

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT

	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
35′ UNITS	2 13/16″	3′-8 13/16″
40′ UNITS	2 13/16″	3′-8 13/16″
65′ UNITS	1¾″	3′-7¾″

PROJECT NO. BP2-R022

CRAVEN/PITT COUNTY

STATION: 13+88.00 -L-

SHEET 6 OF 6

NORTH CAROLINA PROFESSIONAL SEAL 032672 ENGINEER MATTHEW R. ACOSTA
4/6/2026

RS&H

RS&H Architects-Engineers-Planners, Inc.
8521 Six Forks Road, Suite 400
Raleigh, NC 27615
919-926-4100 FAX 919-846-9080
www.rsandh.com
North Carolina License Nos. 50073 ° F-0493 ° C-28

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

3′-0″X 2′-0″ PRESTRESSED CONCRETE CORED SLAB UNIT

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			25

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : M. R. ACOSTA DATE : 08/2023
CHECKED BY : T. R. LAWS DATE : 08/2023
DESIGN ENGINEER OF RECORD: M. R. ACOSTA DATE : 03/2026

4/6/2026
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AcostaM