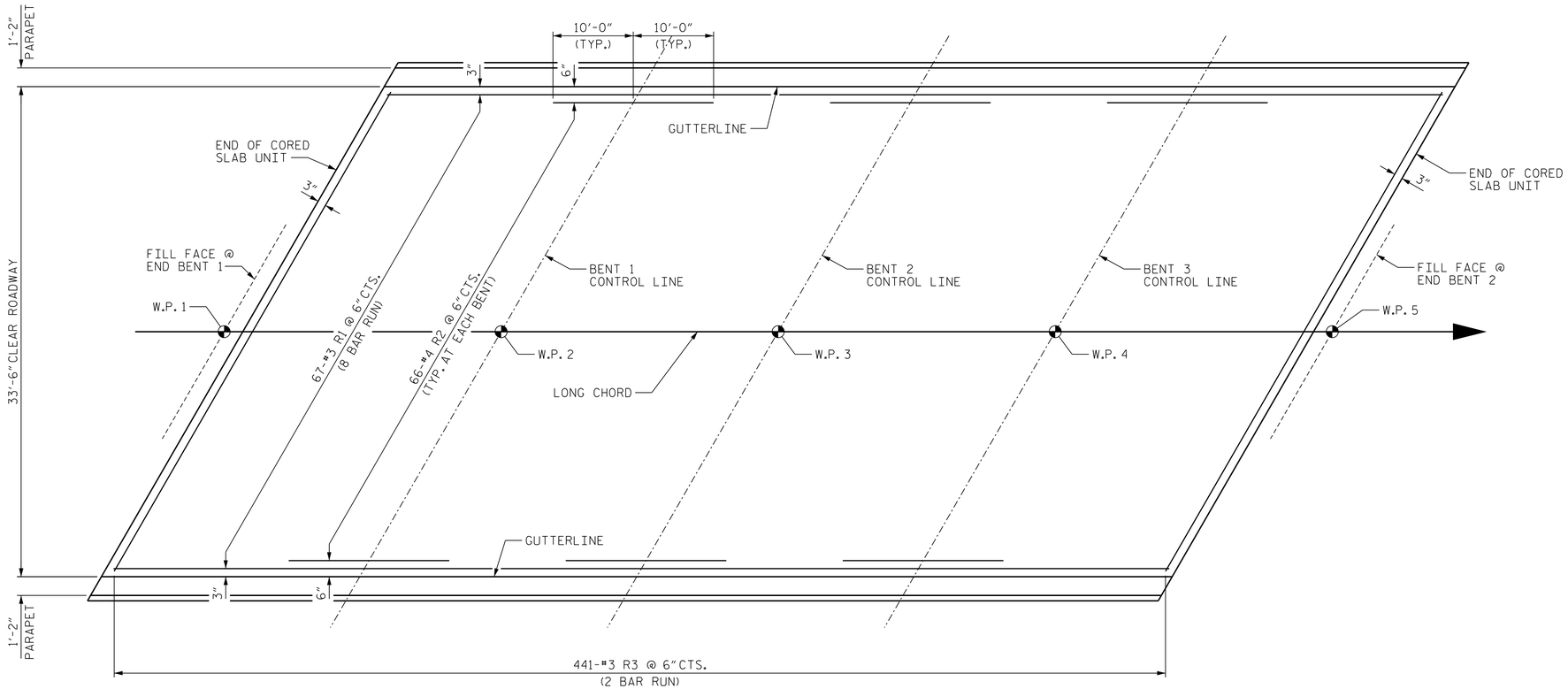
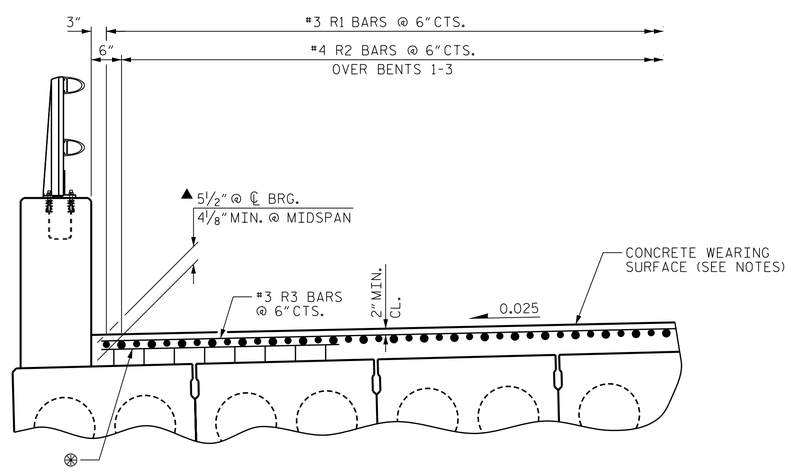


PLAN SHOWING CONCRETE WEARING SURFACE REINFORCING STEEL



REINFORCING FOR CONCRETE WEARING SURFACE

▲ BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATIONS

⊛ BEAM BOLSTER @ 2'-0" CTS.
HEIGHTS VARY: 2½" @ END BENTS BEARINGS
1" @ MID-SPAN
2¼" @ BENTS BEARING

NOTES

PLACEMENT OF THE CONCRETE WEARING SURFACE SHALL OCCUR AFTER CASTING THE CONCRETE PARAPETS.

THE COST OF THE #3 AND #4 BARS CAST WITH THE CONCRETE WEARING SURFACE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE WEARING SURFACE.

FOR CONCRETE WEARING SURFACE, SEE SPECIAL PROVISIONS.

A GROOVED CONTRACTION JOINT, ½" IN DEPTH, SHALL BE TOOLED IN THE TOP OF THE CONCRETE WEARING SURFACE AT THE END BENTS AND BENTS IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS.

BILL OF MATERIAL FOR CONCRETE WEARING SURFACE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳R1	536	#3	STR	28'-8"	5777
✳R2	198	#4	STR	20'-0"	2645
✳R3	882	#3	STR	19'-10"	6577
✳EPOXY COATED REINFORCING STEEL					14,999 LBS.
CONCRETE WEARING SURFACE					7385 SQ. FT.

GROOVING BRIDGE FLOORS

APPROACH SLABS	674 SQ. FT.
BRIDGE DECK	6,712 SQ. FT.
TOTAL	7,386 SQ. FT.

SPLICE LENGTH CHART

BAR SIZE	EPOXY COATED
#3	1'-3"

PROJECT NO. B-5602
HYDE COUNTY
STATION: 15+61.00 -L-

NORTH CAROLINA PROFESSIONAL SEAL 24939 ENGINEER BYRON E. ATKINSON
7/19/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

CONCRETE WEARING SURFACE

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-9
1			3					TOTAL SHEETS
2			4					30

DRAWN BY : B.E. LANNING DATE : 01/17
CHECKED BY : B.E. ATKINSON DATE : 01/17
DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 06/17

7/19/2017
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