

**BILL OF MATERIAL**

CONCRETE WEARING SURFACE					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* R1	280	#3	STR	25'-0"	2632
* R2	255	#3	STR	24'-1"	2309
* EPOXY COATED REINFORCING STEEL					4,942 LBS
CONCRETE WEARING SURFACE					2,975 SQ. FT.
GROOVING AREA					3,859 SQ. FT.

**SPLICE LENGTH CHART**

BAR SIZE	EPOXY COATED
#3	1'-3"

**GROOVING BRIDGE FLOORS**

APPROACH SLABS	1,120 SQ.FT.
BRIDGE DECK	2,739 SQ.FT.
<b>TOTAL</b>	<b>3,859 SQ.FT.</b>

**NOTES:**

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

THE TOP SURFACE OF THE CORED SLAB UNITS SHALL HAVE A 3/8" RAKED FINISH IN ACCORDANCE WITH SECTION 1078-15 OF THE STANDARD SPECIFICATIONS.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN THE TOP OF WEARING SURFACE IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS.

ALL REINFORCING STEEL FOR THE CONCRETE WEARING SURFACE SHALL BE EPOXY COATED.

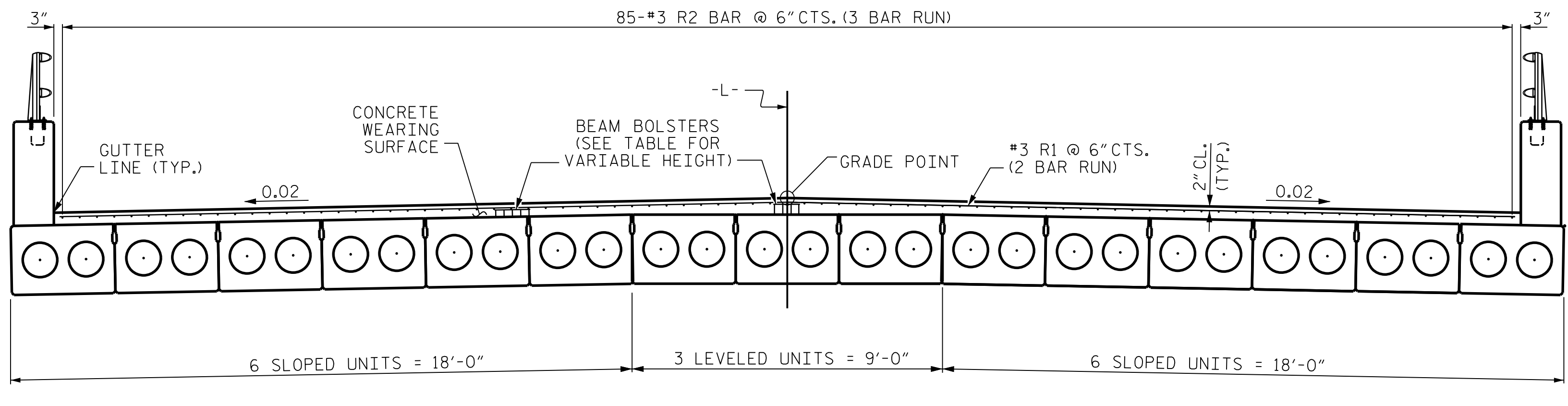
**CONCRETE WEARING SURFACE THICKNESS**

SPAN	LOCATION	LEFT GUTTERLINE	G. P.	RIGHT GUTTERLINE
A	BEARING (NEAR)	5"	6 1/16"	5"
	MID-SPAN	3 1/2"	4 9/16"	3 1/2"
	BEARING (FAR)	5"	6 1/16"	5"

**BEAM BOLSTER HEIGHT**

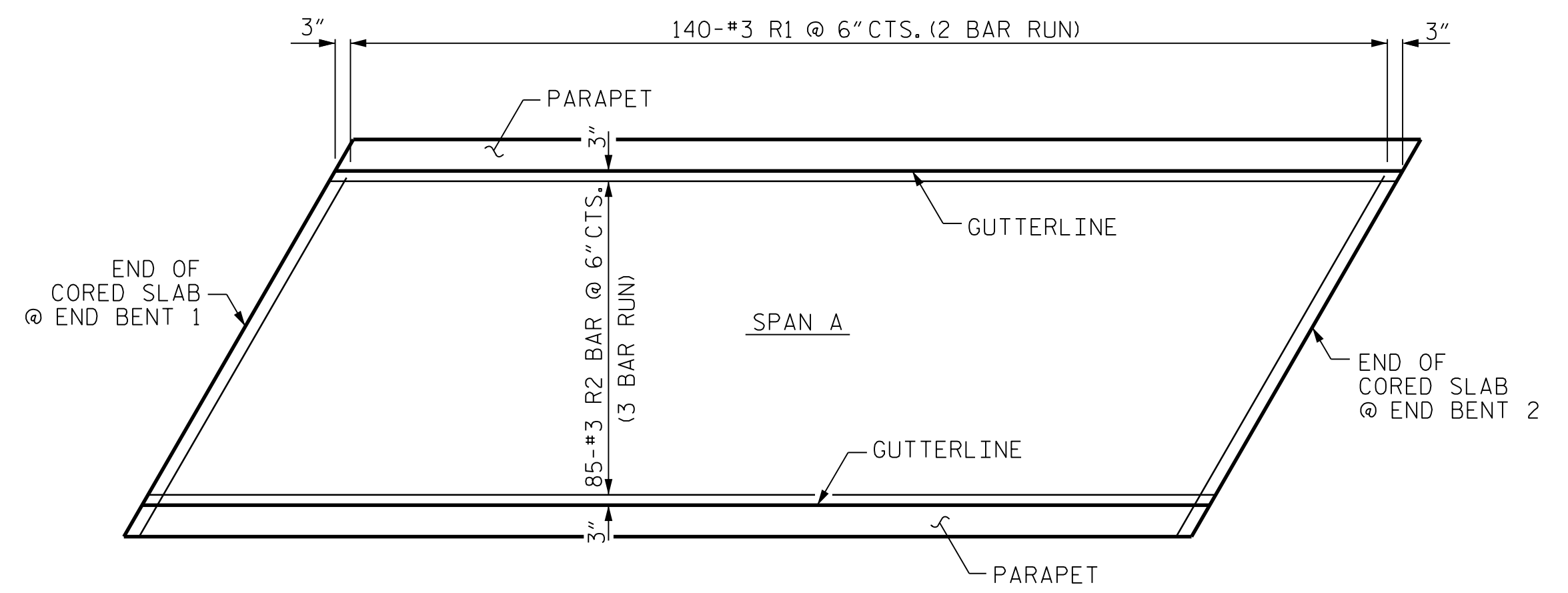
FOR ENTIRE DECK EXCEPT ALONG THE GRADE POINT				
SPAN	AT C BRG. (NEAR)	AT MID-SPAN	AT C BRG. (FAR)	
A	2"	1/2" **	2"	
ALONG THE GRADE POINT				
SPAN	AT C BRG. (NEAR)	AT MID-SPAN	AT C BRG. (FAR)	
A	3/4"	1 3/4"	3/4"	

\*\* USE SLAB BOLSTER  
BEAM AND SLAB BOLSTERS SHALL BE SPACED AT 2'-0" CENTERS.

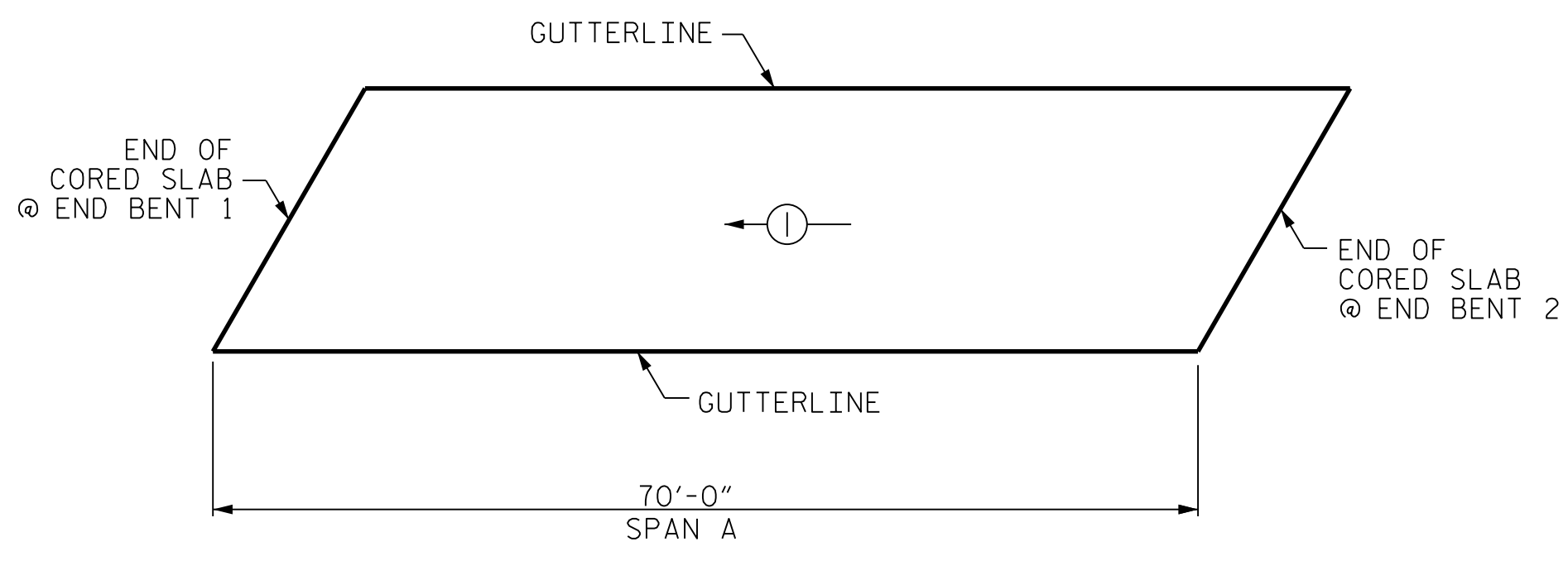


**REINFORCING FOR CONCRETE WEARING SURFACE**

BEAM AND SLAB BOLSTER HEIGHTS BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATION AND VARY BETWEEN C BEARING AND MID-SPAN.

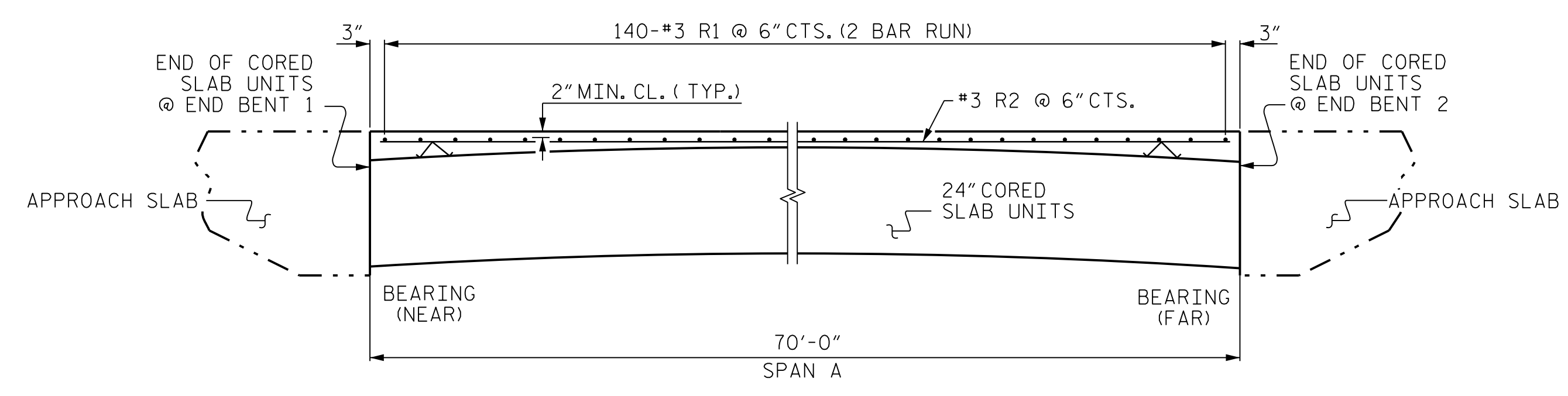


**PLAN**



**POURING SEQUENCE**

⊕ = INDICATES POUR NUMBER AND DIRECTION OF POUR



**ELEVATION**

PROJECT NO. B-5644  
PENDER COUNTY  
 STATION: 15+55.00 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 CONCRETE WEARING SURFACE DETAILS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**CDM Smith**  
 CDM SMITH  
 5400 Glenwood Avenue, Suite 400  
 Raleigh, NC 27612-3228  
 NC COA No. F-1255

DRAWN BY: VDK DATE: 5/19  
 CHECKED BY: THF DATE: 4/20  
 DESIGN ENGINEER: VDK DATE: 5/20

DWG. No.



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-08
1			3			TOTAL SHEETS
2			4			19