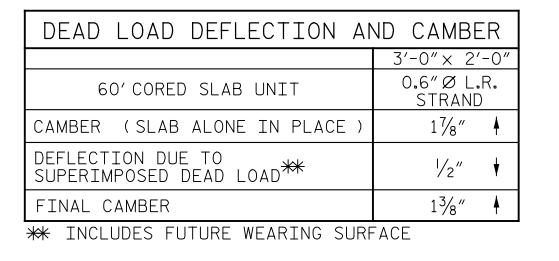


NOTES:

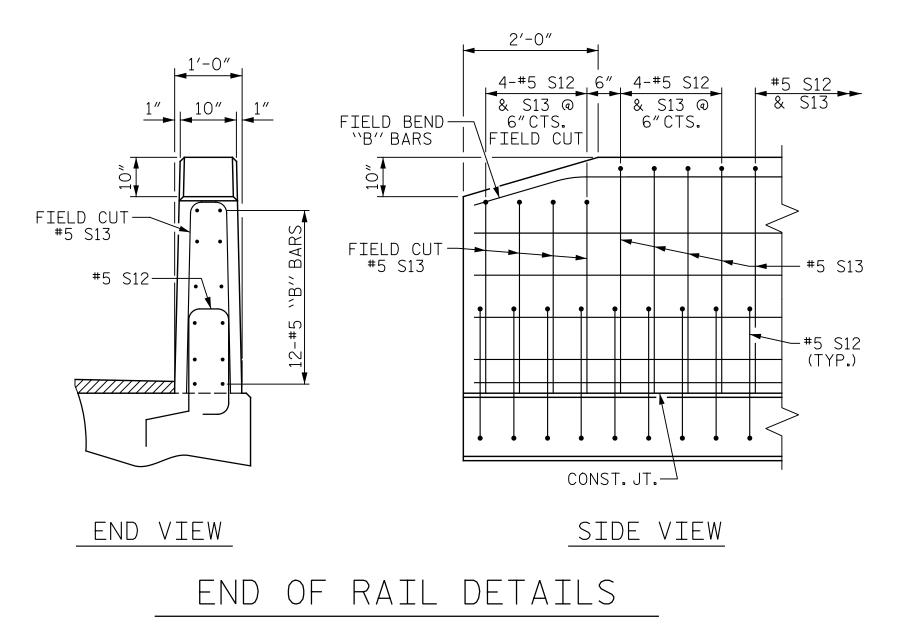


DEAD LOAD DEFLECTION AN	ND CAMBER
	3'-0" × 2'-0"
70'CORED SLAB UNIT	0.6″ØL.R. STRAND
CAMBER (SLAB ALONE IN PLACE)	2 ¹ /4″ 🕴
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD	3∕4″ ↓
FINAL CAMBER	11/2″ ♦

** INCLUDES FUTURE WEARING SURFACE

GRADE 270 STRANDS	
	0.6″ØL.R.
AREA (SQUARE INCHES)	0.217
ULTIMATE STRENGTH (LBS.PER STRAND)	58,600
APPLIED PRESTRESS (LBS.PER STRAND)	43,950

CONCRETE RELEA	ASE STRENGTH
UNIT	PSI
60'UNITS	4800
70' UNITS	5500



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:		
ALL PRESTRESSING STRANDS SHALL BE 7-WIRE 270 STRANDS AND SHALL CONFORM TO AASHTO REQUIREMENTS WHICH SHALL BE IN ACCORDANC SPECIFICATIONS.	M203 EXCEPT FOR SAMPLING	
ALL REINFORCING STEEL CAST WITH THE CORED SLAB SECTIONS SHALL BE GRADE 60 AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PRESTRESSED CONCRETE CORED SLABS.		
RECESSES FOR TRANSVERSE STRANDS SHALL BE GROUTED AFTER THE TENSIONING OF THE STRANDS.		
THE 2 ¹ / ₂ "ø dowel holes at fixed ends of slab sections shall be Filled with non-shrink grout.		
THE BACKER RODS SHALL CONFORM TO THE REQ BOND BREAKER.SEE SECTION 1028 OF THE STAN		
WHEN CORED SLABS ARE CAST, AN INTERNAL HO EMPLOYED TO PREVENT VOIDS FROM RISING OF SIX WEEKS PRIOR TO CASTING CORED SLABS, T	R MOVING SIDEWAYS.AT LEAST	
TO THE ENGINEER FOR REVIEW AND COMMENT, E PROPOSED HOLD-DOWN SYSTEM. IN ADDITION TO LOCATION AND SPACING OF THE HOLD-DOWNS S	DETAILED DRAWINGS OF THE D STRUCTURAL DETAILS,	
THE TRANSFER OF LOAD FROM THE ANCHORAGES SHALL BE DONE WHEN THE CONCRETE HAS REACH STRENGTH OF NOT LESS THAN THE REQUIRED S "CONCRETE RELEASE STRENGTH" TABLE.	ED A COMPRESSIVE	
ALL REINFORCING STEEL IN VERTICAL CONCRE BE EPOXY COATED.	TE BARRIER RAILS SHALL	
PRESTRESSING STRANDS SHALL BE CUT FLUSH N	WITH THE CORED SLAB UNIT ENDS.	
APPLY EPOXY PROTECTIVE COATING TO CORED		
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, S EXPOSED FACES OF THE BARRIER RAIL AND IN 825-10(B) OF THE STANDARD SPECIFICATIONS. A BE LOCATED AT EACH THIRD POINT BETWEEN B JOINTS. ONLY ONE CONTRACTION JOINT IS REC BARRIER RAIL SEGMENTS LESS THAN 20 FEET CONTRACTION JOINTS ARE REQUIRED FOR THOS 10 FEET IN LENGTH.	ACCORDANCE WITH ARTICLE CONTRACTION JOINT SHALL ARRIER RAIL EXPANSION QUIRED AT MIDPOINT OF IN LENGTH AND NO	
FLAME CUTTING OF THE TRANSVERSE POST-TEN	SIONING STRAND IS NOT ALLOWED.	
MAINTAIN A SYMMETRIC TENSION FORCE BETW TRANSVERSE POST TENSIONING STRANDS IN TH		
THE #4 S11 STIRRUPS MAY BE SHIFTED AS NEC CLEAR TO THE GROUTED RECESS.	ESSARY TO MAINTAIN 1″	
FOR GROUT FOR STRUCTURES, SEE SPECIAL PRO	VISIONS.	
THE PERMITTED THREADED INSERTS ARE DETAILED AS AN OPTION FOR THE CONTRACTOR TO ATTACH FALSEWORK AND FORMWORK DURING CONSTRUCTION.		
THE PERMITTED THREADED INSERTS IN THE EXTERIOR UNITS SHALL BE SIZED BY THE CONTRACTOR, SPACED AT 4'-O"CENTERS AND GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS. STAINLESS STEEL THREADED INSERTS MAY BE USED AS AN ALTERNATE.		
THE PERMITTED THREADED INSERTS SHALL BE GROUTED BY THE CONTRACTOR IMMEDIATELY FOLLOWING REMOVAL OF THE FALSEWORK.		
THE COST OF THE PERMITTED THREADED INSERTS SHALL BE INCLUDED IN THE PRICE BID FOR THE PRECAST UNITS.		
DRAIN SLOTS IN RAILS MAY BE SHIFTED SLIGHTLY TO AVOID #5 S12 BARS IN CORED SLAB UNITS.		
THE DRAIN OPENING AT THE GUTTERLINE SHALL BE 4" × 8".THE HEIGHT OF THE BLOCKOUT IN THE VERTICAL CONCRETE BARRIER RAIL SHALL EXTEND FROM THE TOP OF THE CORED SLAB UNIT TO THE TOP OF THE DRAIN OPENING.		
APPLY EPOXY PROTECTIVE COATING TO EXTERIOR FACE OF THE EXTERIOR CORED SLAB UNITS THAT REQUIRE DRAINS IN THE BARRIER RAIL.		
THE BOTTOM TWO #5 ``B'' BARS IN THE VERTICAL CONCRETE BARRIER RAIL MAY	PROJECT NO. B-6046	
BE FIELD CUT TO AVOID DRAINS.	STANLY COUNTY	
	STATION: 17+66.00 -L-	
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
	SUPERSTRUCTURE	
DocuSigned by:	3'-0" X 2'-0"	
SEAL 45237 BB380C2473604C1	PRESTRESSED CONCRETE CORED SLAB UNIT	
SEAL 45237 NGINEER NGINEER 1/0 LAS D'ANNIN 11/14/2023 ICE of Carolinas, PLLC 4505 Falls of Neure Boad Suite 110	CUNCU JEAU UNIT	
ICE of Carolinas, PLLC	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S-10	
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