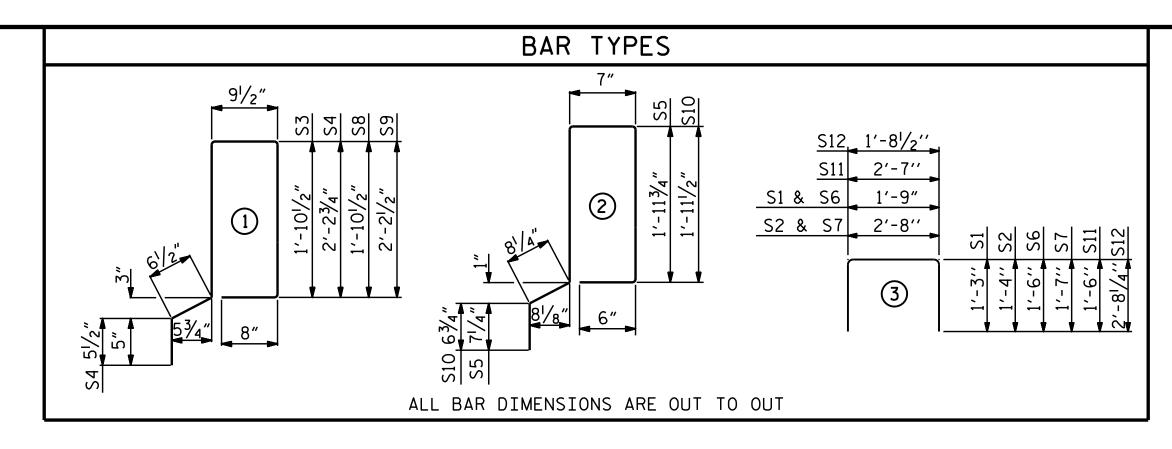
	·								
ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.									
GL	JTTERLINE (	CONCRETE T	HICKNE	SS &	RAIL	HEI	GHT		
SPA	N A	1'-4" X 2'-11 <sup>1</sup> /2" CONC. PARAPET	LE	VERT.( BARRIER	R RAIL	[GHT		4″X 3'-3½2″ NC.PARAPET	
CONCRETE OVER @ MID	LAY THICKNESS -SPAN	4 <sup>13</sup> ⁄16"	4 <sup>13</sup> /	16″	5 <sup>1</sup>	1/16″		8 <sup>11</sup> / <sub>16</sub> "	
RAIL F @ MID		2′-10 <sup>13</sup> ⁄16″		3'-11 <sup>1.</sup>	<sup>3</sup> / <sub>16</sub> "			3′-2 <sup>13</sup> ⁄16″	
	JTTERLINE (	CONCRETE T	HTCKNF	55 &	RATI	HFT	СНТ		
SPAN		1'-4" X 2'-11 <sup>1</sup> /2" CONC. PARAPET	LE	VERT.( BARRIER	CONC. Rail	IGHT	1'	4″X 3'-3 <sup>1</sup> /2″ NC.PARAPET	
						5″		8″	
RAIL F @ MID		2′-10 <mark>′/</mark> 8″		3′-11	<sup> </sup> /8″			3'-2 <mark>'/</mark> 8"	
GL	JTTERLINE (	CONCRETE T	HICKNE	SS &	RAIL	HEI	GHT		
SPA	N D	1'-4" X 2'-11 <sup>1</sup> /2" CONC. PARAPET	LE	VERT.( BARRIER	R RAIL	[GHT	1' COM	4″X 3′-3½″ NC.PARAPET	
CONCRETE OVER @ MID		4% <sub>16</sub> ″	4%	, 16″	5	7∕i6″		87⁄16″	
RAIL H @ MID		2′-10% <sub>6</sub> ″		3'-11	9/16″			3′-2% <sub>16</sub> ″	
DEAD LOAD	DEFLECTION	AND CAMBER	] [	CONCR	ETE I	RELE	ASE S	TRENGTH	
	SLAB UNIT	3'-0" × 1'-9" 0.6" Ø L.R.	┨ ┣	_	NIT )'-0"			PSI 4000	
	ALONE IN PLACE	STRAND	4  -		5'-0"			7000	
DEFLECTION DUE			- L	60	)'-0"			4400	
SUPERIMPOSED D	-	3⁄16″ ↓	łг	COR	RED S		S RFO	UIRED	
FINAL CAMBER		<sup>11</sup> /16″	┘┣	SPAN	A N			TOTAL LENGTH	
DEAD LOAD	DEFLECTION	AND CAMBER	]	40' UN] TYPE		1	40'-0"	40'-0"	
		3'-0" × 2'-0" 0.6" Ø L.R.	1  -	TYPE I TYPE I	II II	13	40'-0" 40'-0"	520'-0" 40'-0"	
75' CORED	SLAB UNIT	STRAND	1	TYPE ] TOTAL		1 16	40'-0"	40'-0" 640'-0"	
	ALONE IN PLACE	) 2%16″		TUTAL		10		840-0	
DEFLECTION DUE SUPERIMPOSED D		1 <sup>3</sup> ∕16″ ∳	JL					UIRED	
FINAL CAMBER		13⁄8″	JF	SPAN B 75' UN]		UMBER	LENGTH	TOTAL LENGTH	
			ן ך	TYPE TYPE I	I	2 26	75'-0″ 75'-0″	150'-0" 1950'-0"	
DEAD LOAD	DEFLECTION	AND LAMBER 3'-0" × 2'-0"	4 E	TYPE I	II	2	75'-0"	150'-0"	
60' CORED	SLAB UNIT	0.6″ØL.R. STRAND	1 L	TYPE ] TOTAL		2 32	75'-0"	150'-0" 2400'-0"	
CAMBER (SLAB	ALONE IN PLACE		1 -						
DEFLECTION DUE		<sup>11</sup> /16″ ¥	1 F	SPAN				UIRED total length	
SUPERIMPOSED D	LUAU	<sup>15</sup> / <sub>16</sub> ″ ¥	1 [	60' UN]	IT	1			
			╸┟	TYPE TYPE I	II	1 13	60'-0" 60'-0"	60'-0" 780'-0"	
	DDGE DATE: 1 CHEEK DATE: 4/		F	TYPE I TYPE ]		1	60'-0" 60'-0"	60'-0" 60'-0"	
DRAWN BY : DGE 5/09		144/TMG	t	TOTAL	- •	16		960'-0"	
CHECKED BY : BCH 6/0				\$\$\$\$\$\$SYSTIN					
								\$\$\$\$\$\$\$\$\$	

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BILL OF MATERIAL FOR ONE 3'-O"X 1'-9" 40' CORED SLAB UNIT - SPAN A											
TYPE I TYPE II TYPE III TYPE IV										ΕIV	
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
B1	4	#4	STR	20'-9″	55	20'-9"	55	20'-9"	55	20'-9"	55
S1	8	<b>#</b> 5	3	4'-3"	35	4'-3"	35	4'-3"	35	4'-3"	35
S2	84	#4	3	5'-4"	299	5'-4"	299	5'-4"	299	5'-4"	299
<b>*</b> S3	48	<b>#</b> 5	1	6′-2″	309						
<b>*</b> S4	48	<b>#</b> 5	1							6'-11"	346
<b>*</b> S5	48	<b>#</b> 5	2					6'-4"	317		
REINF	ORCING S	STEEL	LBS	5.	389		389		389	389	
	KY COATE										
REIN	NFORCING	STEEL	LBS	5.	309			317		346	
5000 P.S.I. CONCRETE CU. YDS.				).	5.9	5.9		5.9		5.9	
0.6" Ø L.R. STRANDS No. 13 13 13 13									13		

BILL OF MATERIAL FOR ONE 3'-0" X 2'-0" 75' CORED SLAB UNIT - SPAN B & C											
TYPE I TYPE II TYPE III TYPE IV											
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
B2	6	#4	STR	26'-1"	105	26'-1"	105	26'-1"	105	26'-1"	105
S6	8	<b>#</b> 5	3	4'-9"	40	4'-9"	40	4'-9"	40	4'-9"	40
S7	154	<b>#</b> 4	3	5′-10″	600	5′-10″	600	5′-10″	600	5′-10″	600
<b>*</b> S8	83	<b>#</b> 5	1	6'-2"	534						
<b>*</b> S9	83	<b>#</b> 5	1							6'-10"	592
<b>*</b> S10	83	<b>#</b> 5	2					6'-3"	541		
S11	4	#4	3	5′-7″	15	5'-7"	15	5'-7"	15	5'-7"	15
S12	4	<b>#</b> 5	3	7'-1"	30	7'-1"	30	7'-1"	30	7'-1"	30
	ORCING S		LBS	5.	790		790		790		790
	* EPOXY COATED										500
REINFORCING STEEL LBS. 9500 P.S.I. CONCRETE CU. YDS.					534		10.7		541		592
9500	r.5.1. (U	NUREIE	CU. YDS	) <b>.</b>	12.7		12.7		12.7		12.7
0.6″Ø	0.6" Ø L.R. STRANDS No. 38 38 38 38										

BILL OF MATERIAL FOR ONE 3'-O" X 2'-O" 60' CORED SLAB UNIT - SPAN D											
TYPE I TYPE II TYPE III TYPE IV											
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
B3	6	#4	STR	21'-1"	85	21'-1"	85	21'-1"	85	21'-1"	85
S6	8	<b>#</b> 5	3	4'-9"	40	4'-9"	40	4′-9″	40	4'-9"	40
S7	124	<b>#</b> 4	3	5′-10″	483	5'-10"	483	5'-10"	483	5'-10"	483
<b>*</b> S8	68	<b>#</b> 5	1	6'-2"	437						
<b>*</b> S9	68	<b>#</b> 5	1							6′-10″	485
<b>*</b> S10	68	<b>#</b> 5	2					6′-3″	443		
S11	4	<b>#</b> 4	3	5′-7″	15	5′-7″	15	5′-7″	15	5′-7″	15
S12	4	<b>#</b> 5	3	7'-1″	30	7'-1"	30	7'-1"	30	7'-1″	30
REINF	ORCING S	STEEL	LBS	5.	653		653		653	653	
* EPOXY COATED REINFORCING STEEL LBS. 437 443								485			
5500 P.S.I. CONCRETE CU. YDS. 10.3					10.3	10.3		10.3		10.3	
0.6″Ø	L.R. STR	ANDS	Nc	).	22		22		22		22

## NOTES

NUTES
ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
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 REQUIREMENTS OF TYPE M BOND BREAKER.SEE SECTION 1028 OF THE STANDARD SPECIFICATIONS.
WHEN CORED SLABS ARE CAST, AN INTERNAL HOLD-DOWN SYSTEM SHALL BE EMPLOYED TO PREVENT VOIDS FROM RISING OR MOVING SIDEWAYS. AT LEAST SIX WEEKS PRIOR TO CASTING CORED SLABS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW AND COMMENT, DETAILED DRAWINGS OF THE PROPOSED HOLD-DOWN SYSTEM. IN ADDITION TO STRUCTURAL DETAILS, LOCATION AND SPACING OF THE HOLD-DOWNS SHALL BE INDICATED.
ALL REINFORCING STEEL IN THE VERTICAL CONCRETE BARRIER RAIL, CONCRETE PARAPETS & LAMP PEDESTALS SHALL BE EPOXY COATED.
PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE CORED SLAB UNIT ENDS.
APPLY EPOXY PROTECTIVE COATING TO CORED SLAB UNIT ENDS.
FLAME CUTTING OF THE TRANSVERSE POST-TENSIONING STRANDS IS NOT ALLOWED.
THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE CORED SLAB UNIT SHALL BE DONE WHEN THE CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN THE REQUIRED STRENGTH SHOWN IN THE ``CONCRETE RELEASE STRENGTH'' TABLE.
FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
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.
GRADE 270 STRANDS
AREA (SQUARE INCHES) 0.217
ULTIMATE STRENGTH (LBS.PER STRAND) 58,600
APPLIED PRESTRESS (LBS.PER STRAND) 43,950

	STATION	ACON : 13+		25 OUNTY -L-					
	SHEET 8 OF 8	5							
NUMBER CAROLANT	DEPARTN		IORTH CAROLINA TRANSPORT	ATION					
7/1/2016 DocuSigned A. L. C. CHELININ Marshall G. Unick Jr.	PREST COF	RED SL	D CONC _AB UN SKEW	RETE IT					
6549D6EBAA3B405									
	REVISIONS SHEET NO.								
DOCUMENT NOT CONSIDERED	NO. BY: D	ATE: NO.	BY: DATE:	S-14					
FINAL UNLESS ALL SIGNATURES COMPLETED	1	3 4		TOTAL SHEETS 43					