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VARIABLE DIMENSIONS - SPAN A					BILL OF MATERIALS (EACH GIRDER) - SPAN A				
GIRDER	A	B	C	D	TOTAL REINF. (LBS.)	7500 PSI CONC. (C.Y.)	0.6"Ø L.R. STRANDS	NO. OF GIRDERS REQ'D.	GIRDER LENGTH (FT.)
A1	86'-11 1/4"	43'-5 5/8"	5 1/8"	39 SPA. @ 1'-6" = 58'-6"	1440	17.64	34	1	86.93
A2	87'-5 3/8"	43'-8 11/16"	8 3/16"	39 SPA. @ 1'-6" = 58'-6"	1440	17.75	34	1	87.45
A3	87'-11 1/2"	43'-11 3/4"	11 1/4"	39 SPA. @ 1'-6" = 58'-6"	1440	17.85	34	1	87.96
A4	88'-5 3/4"	44'-2 7/8"	5 3/8"	40 SPA. @ 1'-6" = 60'-0"	1447	17.96	34	1	88.48
A5	88'-11 7/8"	44'-5 15/16"	8 7/16"	40 SPA. @ 1'-6" = 60'-0"	1461	18.06	34	1	88.99
A6	89'-6 1/8"	44'-9 1/16"	11 9/16"	40 SPA. @ 1'-6" = 60'-0"	1447	18.16	34	1	89.51
A7	90'-0 1/4"	45'-0 1/8"	5 5/8"	41 SPA. @ 1'-6" = 61'-6"	1454	18.27	34	1	90.02
A8	90'-6 1/2"	45'-3 1/4"	8 3/4"	41 SPA. @ 1'-6" = 61'-6"	1454	18.37	34	1	90.54
A9	91'-0 5/8"	45'-6 5/16"	11 13/16"	41 SPA. @ 1'-6" = 61'-6"	1454	18.37	34	1	91.05
					13037	162.54		9	800.93

VARIABLE DIMENSIONS - SPAN B					BILL OF MATERIALS (EACH GIRDER) - SPAN B				
GIRDER	E	F	G	H	TOTAL REINF. (LBS.)	7500 PSI CONC. (C.Y.)	0.6"Ø L.R. STRANDS	NO. OF GIRDERS REQ'D.	GIRDER LENGTH (FT.)
B1	77'-1 7/8"	38'-6 15/16"	9 7/16"	32 SPA. @ 1'-6" = 48'-0"	1373	15.66	26	1	77.16
B2	77'-7 3/8"	38'-9 11/16"	1'-0 3/16"	32 SPA. @ 1'-6" = 48'-0"	1373	15.75	26	1	77.61
B3	78'-0 7/8"	39'-0 7/16"	5 15/16"	33 SPA. @ 1'-6" = 49'-6"	1380	15.84	26	1	78.07
B4	78'-6 1/4"	39'-3 1/8"	8 5/8"	33 SPA. @ 1'-6" = 49'-6"	1380	15.94	26	1	78.52
B5	78'-11 3/4"	39'-5 7/8"	11 3/8"	33 SPA. @ 1'-6" = 49'-6"	1401	16.03	26	1	78.98
B6	79'-5 1/4"	39'-8 5/8"	5 1/8"	34 SPA. @ 1'-6" = 51'-0"	1387	16.12	26	1	79.43
B7	79'-10 5/8"	39'-11 5/16"	7 13/16"	34 SPA. @ 1'-6" = 51'-0"	1387	16.21	26	1	79.89
B8	80'-4 1/8"	40'-2 1/16"	10 9/16"	34 SPA. @ 1'-6" = 51'-0"	1387	16.30	26	1	80.34
B9	80'-9 5/8"	40'-4 13/16"	1'-1 5/16"	34 SPA. @ 1'-6" = 51'-0"	1387	16.40	26	1	80.80
					12455	144.25		9	710.80

VARIABLE DIMENSIONS - SPAN C					BILL OF MATERIALS (EACH GIRDER) - SPAN C				
GIRDER	A	B	C	D	TOTAL REINF. (LBS.)	7500 PSI CONC. (C.Y.)	0.6"Ø L.R. STRANDS	NO. OF GIRDERS REQ'D.	GIRDER LENGTH (FT.)
C1	86'-11 1/4"	43'-5 5/8"	5 1/8"	39 SPA. @ 1'-6" = 58'-6"	1440	17.64	34	1	86.93
C2	87'-5 3/8"	43'-8 11/16"	8 3/16"	39 SPA. @ 1'-6" = 58'-6"	1440	17.75	34	1	87.45
C3	87'-11 1/2"	43'-11 3/4"	11 1/4"	39 SPA. @ 1'-6" = 58'-6"	1440	17.85	34	1	87.96
C4	88'-5 3/4"	44'-2 7/8"	5 3/8"	40 SPA. @ 1'-6" = 60'-0"	1447	17.96	34	1	88.48
C5	88'-11 7/8"	44'-5 15/16"	8 7/16"	40 SPA. @ 1'-6" = 60'-0"	1461	18.06	34	1	88.99
C6	89'-6 1/8"	44'-9 1/16"	11 9/16"	40 SPA. @ 1'-6" = 60'-0"	1447	18.16	34	1	89.51
C7	90'-0 1/4"	45'-0 1/8"	5 5/8"	41 SPA. @ 1'-6" = 61'-6"	1454	18.27	34	1	90.02
C8	90'-6 1/2"	45'-3 1/4"	8 3/4"	41 SPA. @ 1'-6" = 61'-6"	1454	18.37	34	1	90.54
C9	91'-0 5/8"	45'-6 5/16"	11 13/16"	41 SPA. @ 1'-6" = 61'-6"	1454	18.37	34	1	91.05
					13037	162.54		9	800.93

PROJECT NO. B-4565

LENOIR COUNTY

STATION: 29+57.00 -L-

SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER

DIMENSION CHARTS

NORTH CAROLINA PROFESSIONAL SEAL 040343 ENGINEER GREGORY R. COLS

11/13/2014

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

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S-85

TOTAL SHEETS 118

DRAWN BY : B.E. ATKINSON DATE : 07/14
CHECKED BY : G.R. COLS DATE : 07/14
DESIGN ENGINEER OF RECORD : G.R. COLS DATE : 10/14

11/13/2014
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Filename: P:\NC Bridges\MI4001.01 - B-4565 Lenoir\Site 2\Structures\402.125.S02.B4565.SMU.PC003.dgn