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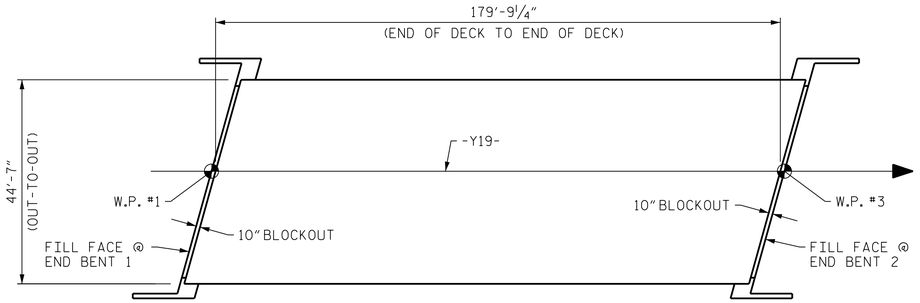
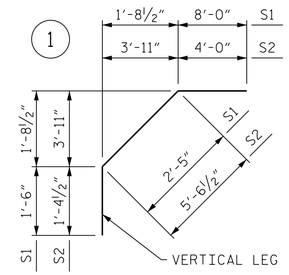
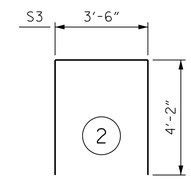


LAYOUT FOR COMPUTING AREA
REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 8,015)

BAR TYPES





ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	335	5	STR	44'-2"	15432
✳ A101	4	5	STR	40'-8"	170
✳ A102	4	5	STR	37'-1"	155
✳ A103	4	5	STR	33'-6"	140
✳ A104	4	5	STR	29'-11"	125
✳ A105	4	5	STR	26'-4"	110
✳ A106	4	5	STR	22'-9"	95
✳ A107	4	5	STR	19'-2"	80
✳ A108	4	5	STR	15'-7"	65
✳ A109	4	5	STR	12'-0"	50
✳ A110	4	5	STR	8'-4"	35
✳ A111	4	5	STR	4'-9"	20
✳ A112	4	5	STR	1'-2"	5
A2	335	5	STR	44'-2"	15432
A201	4	5	STR	40'-8"	170
A202	4	5	STR	37'-1"	155
A203	4	5	STR	33'-6"	140
A204	4	5	STR	29'-11"	125
A205	4	5	STR	26'-4"	110
A206	4	5	STR	22'-9"	95
A207	4	5	STR	19'-2"	80
A208	4	5	STR	15'-7"	65
A209	4	5	STR	12'-0"	50
A210	4	5	STR	8'-4"	35
A211	4	5	STR	4'-9"	20
A212	4	5	STR	1'-2"	5
B1	112	5	STR	34'-3"	4001
✳ B2	60	4	STR	30'-3"	1212
✳ B3	60	4	STR	33'-8"	1349
✳ B4	117	5	STR	27'-3"	3325
✳ B5	117	5	STR	17'-0"	2075
✳ B6	117	5	STR	19'-1"	2329
B7	56	5	STR	40'-0"	2336
B8	112	5	STR	39'-6"	4614

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
K1	20	4	STR	23'-9"	317
K2	8	4	STR	7'-7"	41
K3	16	4	STR	8'-7"	92
K4	8	4	STR	8'-4"	45
K5	8	4	STR	7'-3"	39
K6	4	4	STR	2'-1"	6
K7	8	4	STR	2'-8"	14
K8	4	4	STR	2'-6"	7
K9	4	4	STR	1'-10"	5
✳ S1	68	4	1	11'-11"	541
✳ S2	68	4	1	10'-11"	496
S3	68	4	2	11'-10"	538

REINFORCING STEEL = 28,537 LBS.

✳ EPOXY COATED
REINFORCING STEEL = 27,809 LBS.

GROOVING BRIDGE FLOORS

APPROACH SLABS	708 SQ. FT.
BRIDGE DECK	4,486 SQ. FT.
TOTAL	5,194 SQ. FT.

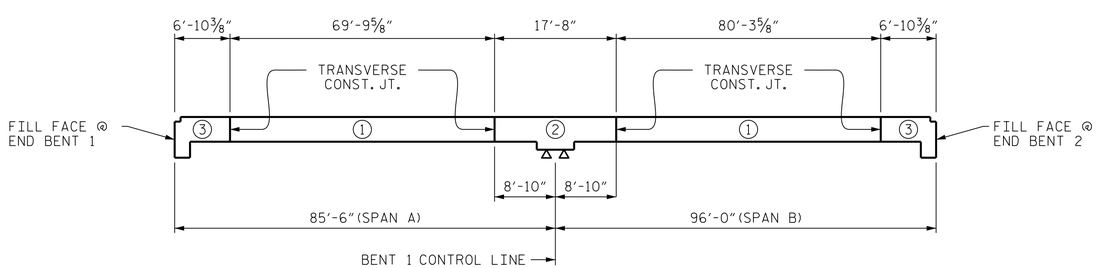
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	215.3	28,537	27,809
POUR #2	24.8		
POUR #3	72.4		
TOTALS ✳✳	312.5	28,537	27,809

✳✳ QUANTITIES FOR 3-BAR METAL RAILS ARE NOT INCLUDED.

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			



POUR SEQUENCE

PROJECT NO. R-2233BB
RUTHERFORD COUNTY
STATION: 20+88.94 -Y19-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
BILL OF MATERIAL

MODJESKI and MASTERS
Experience great bridges.
333 FAYETTEVILLE STREET, SUITE 500
RALEIGH, NC 27601
NC LICENSE NO. C-2979

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
4/23/2020
DocuSigned by: Jason R Doughty
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DESIGNED BY:	A. DUTTA	DATE :	AUG 2019
DRAWN BY:	K. WHITE	DATE :	JULY 2019
CHECKED BY:	J. BORUTA	DATE :	SEPT 2019
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	NOV 2019

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-22
1			3			TOTAL SHEETS
2			4			34

STR. #3 STD. NO. BOM2

4/22/2020
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