DocuSign Envelope ID: 3F424BAB-583E-431A-81CE-1B677A5ACEC2

BILL OF MATERIAL

APPROACH SLAB AT EB #1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	15	#4	STR	24'-4"	244
A2	15	#4	STR	24'-4"	244
✱ A3	10	#4	STR	25'-3"	169
A4	10	#4	STR	25'-3"	169
✱ A5	2	#4	STR	22'-11"	31
✱ A6	2	#4	STR	22'-5"	30
✱ A7	2	#4	STR	21'-11"	29
✱ A8	2	#4	STR	21'-5"	29
✱ A9	2	#4	STR	20'-11"	28
✱ A10	2	#4	STR	20'-5"	27
✱ A11	2	#4	STR	19'-10"	26
✱ A12	2	#4	STR	19'-4"	26
✱ A13	2	#4	STR	18'-10"	25
✱ A14	2	#4	STR	18'-4"	24
✱ A15	2	#4	STR	17'-10"	24
✱ A16	2	#4	STR	17'-4"	23
✱ A17	2	#4	STR	16'-9"	22
✱ A18	2	#4	STR	16'-3"	22
✱ A19	1	#4	STR	29'-3"	20
✱ A20	1	#4	STR	28'-3"	19
✱ A21	1	#4	STR	27'-3"	18
✱ A22	1	#4	STR	26'-2"	17
✱ A23	1	#4	STR	25'-2"	17
✱ A24	1	#4	STR	24'-1"	16
✱ A25	1	#4	STR	23'-1"	15
✱ A26	1	#4	STR	22'-1"	15
✱ A27	1	#4	STR	21'-0"	14
✱ A28	1	#4	STR	20'-0"	13
✱ A29	1	#4	STR	18'-11"	13
✱ A30	1	#4	STR	17'-11"	12
✱ A31	1	#4	STR	16'-10"	11
✱ A32	1	#4	STR	15'-10"	11
✱ A33	1	#4	STR	14'-10"	10
✱ A34	1	#4	STR	13'-9"	9
✱ A35	1	#4	STR	12'-9"	9
✱ A36	1	#4	STR	11'-8"	8
✱ A37	1	#4	STR	10'-8"	7
✱ A38	1	#4	STR	10'-7"	7
✱ A39	1	#4	STR	9'-7"	6
✱ A40	1	#4	STR	8'-6"	6
✱ A41	1	#4	STR	7'-6"	5
✱ A42	1	#4	STR	6'-5"	4
✱ A43	1	#4	STR	5'-5"	4
✱ A44	1	#4	STR	4'-4"	3
✱ A45	1	#4	STR	3'-4"	2
✱ A46	1	#4	STR	2'-3"	2
A47	2	#4	STR	22'-10"	31
A48	2	#4	STR	22'-4"	30
A49	2	#4	STR	21'-10"	29
A50	2	#4	STR	21'-4"	29
A51	2	#4	STR	20'-9"	28
A52	2	#4	STR	20'-3"	27
A53	2	#4	STR	19'-9"	26
A54	2	#4	STR	19'-3"	26
A55	2	#4	STR	18'-9"	25
A56	2	#4	STR	18'-2"	24
A57	2	#4	STR	17'-8"	24
A58	2	#4	STR	17'-2"	23
A59	2	#4	STR	16'-8"	22
A60	2	#4	STR	16'-1"	21
A61	1	#4	STR	29'-3"	20
A62	1	#4	STR	28'-3"	19
A63	1	#4	STR	27'-3"	18
A64	1	#4	STR	26'-2"	17
A65	1	#4	STR	25'-2"	17
A66	1	#4	STR	24'-1"	16
A67	1	#4	STR	23'-1"	15
A68	1	#4	STR	22'-1"	15
A69	1	#4	STR	21'-0"	14
A70	1	#4	STR	20'-0"	13
A71	1	#4	STR	18'-11"	13
A72	1	#4	STR	17'-11"	12
A73	1	#4	STR	16'-10"	11
A74	1	#4	STR	15'-10"	11
A75	1	#4	STR	14'-10"	10

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A76	1	#4	STR	13'-9"	9
A77	1	#4	STR	12'-9"	9
A78	1	#4	STR	11'-8"	8
A79	1	#4	STR	10'-8"	7
A80	1	#4	STR	10'-7"	7
A81	1	#4	STR	9'-7"	6
A82	1	#4	STR	8'-6"	6
A83	1	#4	STR	7'-6"	5
A84	1	#4	STR	6'-5"	4
A85	1	#4	STR	5'-5"	4
A86	1	#4	STR	4'-4"	3
A87	1	#4	STR	3'-4"	2
A88	1	#4	STR	2'-3"	2
✱ B1	2	#5	STR	9'-11"	21
✱ B2	2	#5	STR	25'-5"	53
✱ B3	2	#5	STR	26'-4"	55
✱ B4	2	#5	STR	27'-4"	57
✱ B5	2	#5	STR	28'-4"	59
✱ B6	2	#5	STR	29'-3"	61
✱ B7	2	#5	STR	30'-3"	63
✱ B8	2	#5	STR	31'-2"	65
✱ B9	2	#5	STR	32'-2"	67
✱ B10	2	#5	STR	33'-1"	69
✱ B11	2	#5	STR	34'-1"	71
✱ B12	2	#5	STR	35'-1"	73
✱ B13	2	#5	STR	36'-0"	75
✱ B14	2	#5	STR	37'-0"	77
✱ B15	2	#5	STR	37'-11"	79
✱ B16	2	#5	STR	38'-11"	81
✱ B17	2	#5	STR	39'-11"	83
✱ B18	2	#5	STR	40'-10"	85
✱ B19	2	#5	STR	41'-10"	87
✱ B20	2	#5	STR	42'-9"	89
✱ B21	2	#5	STR	43'-9"	91
✱ B22	2	#5	STR	44'-9"	93
✱ B23	2	#5	STR	45'-8"	95
✱ B24	2	#5	STR	46'-8"	97
✱ B25	2	#5	STR	47'-7"	99
✱ B26	1	#5	STR	48'-7"	51
✱ B27	1	#5	STR	24'-4"	25
✱ B28	2	#5	STR	24'-10"	52
✱ B29	2	#5	STR	25'-9"	54
✱ B30	2	#5	STR	26'-9"	56
✱ B31	2	#5	STR	27'-8"	58
✱ B32	2	#5	STR	28'-8"	60
✱ B33	2	#5	STR	29'-7"	62
✱ B34	2	#5	STR	30'-7"	64
✱ B35	2	#5	STR	31'-7"	66
✱ B36	2	#5	STR	32'-6"	68
✱ B37	2	#5	STR	33'-6"	70
✱ B38	2	#5	STR	34'-5"	72
✱ B39	2	#5	STR	35'-5"	74
✱ B40	2	#5	STR	36'-5"	76
✱ B41	2	#5	STR	37'-4"	78
✱ B42	2	#5	STR	38'-4"	80
✱ B43	2	#5	STR	39'-3"	82
✱ B44	2	#5	STR	40'-3"	84
✱ B45	2	#5	STR	41'-3"	86
✱ B46	2	#5	STR	10'-3"	21
B47	2	#6	STR	9'-11"	30
B48	2	#6	STR	25'-11"	78
B49	2	#6	STR	26'-10"	81
B50	2	#6	STR	27'-10"	84
B51	2	#6	STR	28'-9"	86
B52	2	#6	STR	29'-9"	89
B53	2	#6	STR	30'-8"	92
B54	2	#6	STR	31'-8"	95
B55	2	#6	STR	32'-8"	98
B56	2	#6	STR	33'-7"	101
B57	2	#6	STR	34'-7"	104
B58	2	#6	STR	35'-6"	107
B59	2	#6	STR	36'-6"	110
B60	2	#6	STR	37'-5"	112
B61	2	#6	STR	38'-5"	115

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B62	2	#6	STR	39'-4"	118
B63	2	#6	STR	40'-4"	121
B64	2	#6	STR	41'-4"	124
B65	2	#6	STR	42'-3"	127
B66	2	#6	STR	43'-3"	130
B67	2	#6	STR	44'-2"	133
B68	2	#6	STR	45'-2"	136
B69	2	#6	STR	46'-2"	139
B70	2	#6	STR	47'-1"	141
B71	2	#6	STR	48'-1"	144
B72	1	#6	STR	49'-1"	74
B73	1	#6	STR	24'-10"	37
B74	2	#6	STR	25'-3"	76
B75	2	#6	STR	26'-3"	79
B76	2	#6	STR	27'-2"	82
B77	2	#6	STR	28'-2"	85
B78	2	#6	STR	29'-1"	87
B79	2	#6	STR	30'-1"	90
B80	2	#6	STR	31'-1"	93
B81	2	#6	STR	32'-0"	96
B82	2	#6	STR	33'-0"	99
B83	2	#6	STR	33'-11"	102
B84	2	#6	STR	34'-11"	105
B85	2	#6	STR	35'-11"	108
B86	2	#6	STR	36'-10"	111
B87	2	#6	STR	37'-10"	114
B88	2	#6	STR	38'-9"	116
B89	2	#6	STR	39'-9"	119
B90	2	#6	STR	40'-8"	122
B91	2	#6	STR	41'-8"	125
B92	2	#6	STR	10'-3"	31
G1	2	#6	STR	33'-2"	100
✱ J1	59	#4	1	1'-5"	56
REINFORCING STEEL				LBS.	5817
✱ EPOXY COATED REINFORCING STEEL				✱✱ LBS.	4312
CLASS AA CONCRETE ✱✱				C.Y.	69.4

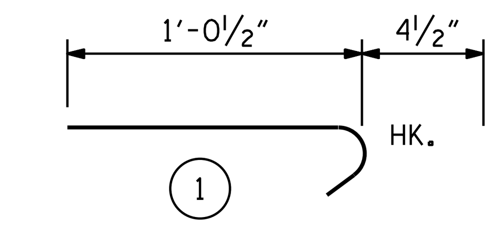
APPROACH SLAB AT EB #2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	15	#4	STR	18'-4"	184
A2	15	#4	STR	18'-4"	184
✱ A3	4	#4	STR	19'-3"	51
A4	4	#4	STR	19'-3"	51
✱ A5	12	#4	STR	23'-0"	184
A6	12	#4	STR	22'-11"	184
✱ A7	2	#4	STR	22'-10"	31
✱ A8	2	#4	STR	22'-4"	30
✱ A9	2	#4	STR	21'-10"	29
✱ A10	2	#4	STR	21'-4"	29
✱ A11	2	#4	STR	20'-9"	28
✱ A12	2	#4	STR	20'-3"	27
✱ A13	2	#4	STR	19'-9"	26
✱ A14	2	#4	STR	19'-3"	26
✱ A15	2	#4	STR	18'-9"	25
✱ A16	2	#4	STR	18'-2"	24
✱ A17	2	#4	STR	17'-8"	24
✱ A18	2	#4	STR	17'-2"	23
✱ A19	2	#4	STR	16'-8"	22
✱ A20	2	#4	STR	16'-1"	21
✱ A21	1	#4	STR	29'-0"	19
✱ A22	1	#4	STR	27'-11"	19
✱ A23	1	#4	STR	26'-11"	18
✱ A24	1	#4	STR	25'-11"	17
✱ A25	1	#4	STR	24'-10"	17
✱ A26	1	#4	STR	23'-10"	16
✱ A27	1	#4	STR	22'-9"	15
✱ A28	1	#4	STR	21'-9"	15
✱ A29	1	#4	STR	20'-9"	14
✱ A30	1	#4	STR	19'-8"	13
✱ A31	1	#4	STR	18'-8"	12
✱ A32	1	#4	STR	17'-8"	12
✱ A33	1	#4	STR	16'-7"	11
✱ A34	1	#4	STR	15'-7"	10
✱ A35	1	#4	STR	14'-7"	10
✱ A36	1	#4	STR	13'-6"	9
✱ A37	1	#4	STR	12'-6"	8
✱ A38	1	#4	STR	11'-6"	8
✱ A39	1	#4	STR	11'-4"	8
✱ A40	1	#4	STR	10'-3"	7
✱ A41	1	#4	STR	9'-3"	6
✱ A42	1	#4	STR	8'-2"	5
✱ A43	1	#4	STR	7'-2"	5
✱ A44	1	#4	STR	6'-1"	4
✱ A45	1	#4	STR	5'-1"	3
✱ A46	1	#4	STR	4'-0"	3
✱ A47	1	#4	STR	3'-0"	2
✱ A48	1	#4	STR	2'-0"	1
A49	2	#4	STR	22'-8"	30
A50	2	#4	STR	22'-1"	30
A51	2	#4	STR	21'-7"	29
A52	2	#4	STR	21'-1"	28
A53	2	#4	STR	20'-7"	27
A54	2	#4	STR	20'-0"	27
A55	2	#4	STR	19'-6"	26
A56	2	#4	STR	19'-0"	25
A57	2	#4	STR	18'-6"	25
A58	2	#4	STR	17'-11"	24
A59	2	#4	STR	17'-5"	23
A60	2	#4	STR	16'-11"	23
A61	2	#4	STR	16'-5"	22
A62	2	#4	STR	15'-11"	21
A63	1	#4	STR	29'-0"	19
A64	1	#4	STR	27'-11"	19
A65	1	#4	STR	26'-11"	18
A66	1	#4	STR	25'-11"	17
A67	1	#4	STR	24'-10"	17
A68	1	#4	STR	23'-10"	16
A69	1	#4	STR	22'-9"	15
A70	1	#4	STR	21'-9"	15
A71	1	#4	STR	20'-9"	14
A72	1	#4	STR	19'-8"	13
A73	1	#4	STR	18'-8"	12
A74	1	#4	STR	17'-8"	12
A75	1	#4	STR	16'-7"	11

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A76	1	#4	STR	15'-7"	10
A77	1	#4	STR	14'-7"	10
A78	1	#4	STR	13'-6"	9
A79	1	#4	STR	12'-6"	8
A80	1	#4	STR	11'-6"	8
A81	1	#4	STR	11'-4"	8
A82	1	#4	STR	10'-3"	7
A83	1	#4	STR	9'-3"	6
A84	1	#4	STR	8'-2"	5
A85	1	#4	STR	7'-2"	5
A86	1	#4	STR	6'-1"	4
A87	1	#4	STR	5'-1"	3
A88	1	#4	STR	4'-0"	3
A89	1	#4	STR	3'-0"	2
A90	1	#4	STR	2'-0"	1
✱ B1	2	#5	STR	10'-3"	21
✱ B2	2	#5	STR	47'-0"	98
✱ B3	2	#5	STR	46'-0"	96
✱ B4	2	#5	STR	45'-1"	94
✱ B5	2	#5	STR	44'-1"	92
✱ B6	2	#5	STR	43'-2"	90
✱ B7	2	#5	STR	42'-2"	88
✱ B8	2	#5	STR	41'-3"	86
✱ B9	2	#5	STR	40'-3"	84
✱ B10	2	#5	STR	39'-3"	82
✱ B11	2	#5	STR	38'-4"	80
✱ B12	2	#5	STR	37'-4"	78
✱ B13	2	#5	STR	36'-5"	76
✱ B14	2	#5	STR	35'-5"	74
✱ B15	2	#5	STR	34'-5"	72
✱ B16	2	#5	STR	33'-6"	70
✱ B17	2	#5	STR	32'-6"	68
✱ B18	2	#5	STR	31'-7"	66
✱ B19	2	#5	STR	30'-7"	64
✱ B20	2	#5	STR	29'-7"	62
✱ B21	2	#5	STR	28'-8"	60
✱ B22	2	#5	STR	27'-8"	58
✱ B23	2	#5	STR	26'-9"	56
✱ B24	2	#5	STR	25'-9"	54
✱ B25	2	#5	STR	24'-10"	52
✱ B26	1	#5	STR	24'-4"	25
✱ B27	1	#5	STR	42'-9"	45
✱ B28	2	#5	STR	41'-10"	87
✱ B29	2	#5	STR	40'-10"	85
✱ B30	2	#5	STR	39'-11"	83
✱ B31	2	#5	STR	38'-11"	81
✱ B32	2	#5	STR	37'-11"	79
✱ B33	2	#5	STR	37'-0"	77
✱ B34	2	#5	STR	36'-0"	75
✱ B35	2	#5	STR	35'-1"	73
✱ B36	2	#5	STR	34'-1"	71
✱ B37	2	#5	STR	33'-1"	69
✱ B38	2	#5	STR	32'-2"	67
✱ B39	2	#5	STR	31'-2"	65
✱ B40	2	#5	STR	30'-3"	63
✱ B41	2	#5	STR	29'-3"	61
✱ B42	2	#5	STR	28'-4"	59
✱ B43	2	#5	STR	27'-4"	57
✱ B44	2	#5	STR	26'-4"	55
✱ B45	2	#5	STR	25'-5"	53
✱ B46	2	#5	STR	9'-11"	21
B47	2	#6	STR	10'-3"	31
B48	2	#6	STR	47'-6"	143
B49	2	#6	STR	46'-6"	140
B50	2	#6	STR	45'-6"	137
B51	2	#6	STR	44'-7"	134
B52	2	#6	STR	43'-7"	131
B53	2	#6	STR	42'-8"	128
B54	2	#6	STR	41'-8"	125
B55	2	#6	STR	40'-8"	122
B56	2	#6	STR	39'-9"	119
B57	2	#6	STR	38'-9"	116
B58	2	#6	STR	37'-9"	113
B59	2	#6	STR	36'-10"	111

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B60	2	#6	STR	35'-10"	108
B61	2	#6	STR	34'-11"	105
B62	2	#6	STR	34'-0"	102
B63	2	#6	STR	33'-0"	99
B64	2	#6	STR	32'-0"	96
B65	2	#6	STR	31'-0"	93
B66	2	#6	STR	30'-1"	90
B67	2	#6	STR	29'-1"	87
B68	2	#6	STR	28'-1"	84
B69	2	#6	STR	27'-2"	82
B70	2	#6	STR	26'-2"	79
B71	2	#6	STR	25'-3"	76
B72	1	#6	STR	24'-10"	37
B73	1	#6	STR	43'-3"	65
B74	2	#6	STR	42'-4"	127
B75	2	#6	STR	41'-4"	124
B76	2	#6	STR	40'-4"	121
B77	2	#6	STR	39'-5"	118
B78	2	#6	STR	38'-5"	115
B79	2	#6	STR	37'-6"	113
B80	2	#6	STR	36'-6"	110
B81	2	#6	STR	35'-6"	107
B82	2	#6	STR	34'-7"	104
B83	2	#6	STR	33'-7"	101
B84	2	#6	STR	32'-8"	98
B85	2	#6	STR	31'-8"	95
B86	2	#6	STR	30'-8"	92
B87	2	#6	STR	29'-9"	89
B88	2	#6	STR	28'-9"	86
B89	2	#6	STR	27'-10"	84
B90	2	#6	STR	26'-10"	81
B91	2	#6	STR	25'-11"	78
B92	2	#6	STR	9'-11"	30
G1	2	#6	STR	33'-2"	100
✱ J1	59	#4	1	1'-5"	56
REINFORCING STEEL				LBS.	5792
✱ EPOXY COATED REINFORCING STEEL				✱✱ LBS.	4299
CLASS AA CONCRETE ✱✱				C.Y.	69.2

BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT

THE QUANTITY OF #4 J1 BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1 BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1 BARS SPECIFIED, ADDITIONAL J1 BARS WILL NOT BE REQUIRED.

✱✱ QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED. SEE SHEET 3 OF 4.

PROJECT NO. I-0914BB

WARREN COUNTY

STATION: 197+54.33 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB BILL OF MATERIAL

(NORTHBOUND LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-72
1			3			TOTAL SHEETS
2			4			72

DRAWN BY: J. T. WILLIAMS DATE: 4-2014
CHECKED BY: J. E. MONDOLFI DATE: 4-2014
DESIGN ENGINEER OF RECORD: J. E. MONDOLFI DATE: 4-2014

PLANS PREPARED BY:
Hatch Mott MacDonald
PO Box 700
Fuquay-Varina, NC 27526
(919) 552-2253
www.hatchmott.com
LICENSE NO. F-0669

NORTH CAROLINA PROFESSIONAL SEAL 20532 ENGINEER JAMES E. MONDOLFI
DocuSigned by: James E. Mondolfi
9FD29B1FC2FB4D0... 10/17/2014

wl157077
R:\Structures_NBL\I0914BB_SMU_AS_NBL_02.dgn
9/11/2014 2:06:03 PM