STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

DECK

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	1155	5	40'- 0"	D500	STR												
	992	5	21'- 7"	D501	STR												
	1068	5	4'- 6"	D502	1	0'- 7"	3'- 11"					0'- 0"					
	1076	5	18'- 8"	D503	STR												
	4	5	21'- 8"	D504	STR												
	8	5	17'- 9"	D505	STR												
	8	5	16'- 11"	D506	STR												
	8	5	16'- 0"	D507	STR												
	8	5	15'- 2"	D508	STR												
	8	5	14'- 4"	D509	STR												
	8	5	13'- 5"	D510	STR												
	8	5	12'- 7"	D511	STR												
✳	9	5	11'- 8"	D512	STR												
	8	5	10'- 10"	D513	STR												
	8	5	10'- 0"	D514	STR												
	8	5	9'- 1"	D515	STR												
	8	5	8'- 3"	D516	STR												
	8	5	7'- 4"	D517	STR												
	8	5	6'- 5"	D518	STR												
	8	5	5'- 8"	D519	STR												
	8	5	4'- 9"	D520	STR												
	8	5	3'- 11"	D521	STR												
	8	5	3'- 0"	D522	STR												
	8	5	2'- 2"	D523	STR												
	403	5	4'- 5"	D524	S5	0'- 6"	1'- 0"	1'- 5"	1'- 0"			0'- 6"					
	291	5	2'- 9"	D525	12	0'- 7"	1'- 4"	0'- 10"	0'- 0"				0'- 0"		0'- 0"		
	291	5	1'- 4"	D526	2	0'- 10"	0'- 6"					0'- 0"					
	291	5	1'- 2"	D527	1	0'- 7"	0'- 7"					0'- 0"					
	112	5	2'- 8"	D528	1	0'- 7"	1'- 6"					0'- 7"					
	287	5	7'- 1"	D529	1	0'- 7"	5'- 11"					0'- 7"					
	161	5	6'- 11"	D530	STR												
	4	5	9'- 3"	D531	STR												
	10	5	4'- 6"	D532	17		1'- 10"	0'- 10"	1'- 10"								
	2	5	7'- 3"	D533	1	0'- 7"	6'- 1"					0'- 7"					
	2	5	8'- 0"	D534	1	0'- 7"	6'- 10"					0'- 7"					
	112	5	2'- 9"	D535	12	0'- 7"	1'- 4"	0'- 10"	0'- 0"				0'- 0"		0'- 0"		
	112	5	1'- 4"	D536	2	0'- 10"	0'- 6"					0'- 0"					
	112	5	1'- 2"	D537	1	0'- 7"	0'- 7"					0'- 0"					

ABUTMENT 1

	80	5	9'- 3"	1A500	17		2'- 6"	6'- 9"	0'- 0"								
	34	5	10'- 1"	1A501	17		3'- 9"	2'- 7"	3'- 9"								
	34	5	7'- 10"	1A502	17		3'- 2"	1'- 6"	3'- 2"								
	31	5	4'- 9"	1A503	1	0'- 7"	4'- 2"					0'- 0"					
	31	5	7'- 4"	1A504	5	0'- 0"	5'- 4"	2'- 0"	0'- 0"			0'- 0"	1'- 5"		1'- 5"		6'- 9"
	13	5	12'- 11"	1A505	17		5'- 2"	2'- 7"	5'- 2"								
	2	5	8'- 10"	1A506	17		2'- 6"	6'- 4"	0'- 0"								
	8	5	13'- 11"	1A507	17		5'- 8"	2'- 7"	5'- 8"								
	27	5	18'- 10"	1A508	STR												
✳	13	5	18'- 5"	1A509	STR												
	1	5	6'- 5"	1A510	STR												
	1	5	7'- 11"	1A511	STR												
	1	5	4'- 0"	1A512	STR												
	1	5	5'- 7"	1A513	STR												
	4	5	4'- 0"	1A514	STR												
	4	5	11'- 8"	1A515	19		3'- 3"	8'- 5"	0'- 0"				1'- 3"		3'- 0"		11'- 5"
	1	5	8'- 10"	1A516	STR												
	1	5	7'- 4"	1A517	STR												
	1	5	6'- 8"	1A518	STR												
	1	5	5'- 1"	1A519	STR												
	4	5	4'- 0"	1A520	STR												
	4	5	8'- 6"	1A521	19		3'- 3"	5'- 3"	0'- 0"				1'- 7"		2'- 10"		8'- 1"
	27	5	17'- 1"	1A522	STR												
	12	5	14'- 7"	1A523	STR												
	27	5	3'- 3"	1A524	STR												
	8	5	4'- 0"	1A525	STR												
	8	5	4'- 5"	1A526	19		1'- 9"	2'- 8"	0'- 0"				1'- 3"		1'- 3"		
	27	5	4'- 3"	1A527	STR												
	106	7	9'- 3"	1A700	17		2'- 6"	6'- 9"	0'- 0"								
	15	8	18'- 5"	1A800	STR												
✳	16	8	14'- 7"	1A801	STR												

ABUTMENT 2

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	78	5	8'- 10"	2A500	17		2'- 6"	6'- 4"	0'- 0"								
	35	5	10'- 3"	2A501	17		3'- 10"	2'- 7"	3'- 10"								
	35	5	7'- 10"	2A502	17		3'- 2"	1'- 6"	3'- 2"								
	32	5	4'- 9"	2A503	1	0'- 7"	4'- 2"					0'- 0"					
	30	5	7'- 4"	2A504	3	0'- 0"	5'- 4"	2'- 0"	0'- 0"	0'- 0"	0'- 0"	0'- 0"	1'- 5"		1'- 5"		6'- 9"
	11	5	13'- 3"	2A505	17		5'- 4"	2'- 7"	5'- 4"								
	4	5	8'- 4"	2A506	17		2'- 6"	5'- 10"	0'- 0"								
	10	5	14'- 9"	2A507	17		6'- 1"	2'- 7"	6'- 1"								
	25	5	18'- 10"	2A508	STR												
	11	5	16'- 10"	2A509	STR												
	1	5	7'- 11"	2A510	STR												
	1	5	6'- 5"	2A511	STR												
	4	5	5'- 4"	2A512	STR												
	4	5	7'- 4"	2A513	19		3'- 3"	4'- 1"	0'- 0"				1'- 4"		2'- 11"		7'- 0"
	1	5	6'- 1"	2A514	STR												
	1	5	7'- 7"	2A515	STR												
	1	5	3'- 8"	2A516	STR												
	1	5	5'- 2"	2A517	STR												
	4	5	3'- 5"	2A518	STR												
	4	5	11'- 8"	2A519	19		3'- 3"	8'- 5"	0'- 0"				1'- 3"		3'- 0"		11'- 5"
	25	5	17'- 1"	2A520	STR												
	11	5	17'- 11"	2A521	STR												
	25	5	3'- 3"	2A522	STR												
	8	5	4'- 0"	2A523	STR												
	8	5	4'- 5"	2A524	19		1'- 9"	2'- 8"	0'- 0"				1'- 3"		1'- 3"		
	25	5	4'- 3"	2A525	STR												
✳	104	7	8'- 10"	2A700	STR												
	14	8	15'- 2"	2A800	STR												
	14	8	17'- 11"	2A801	STR												

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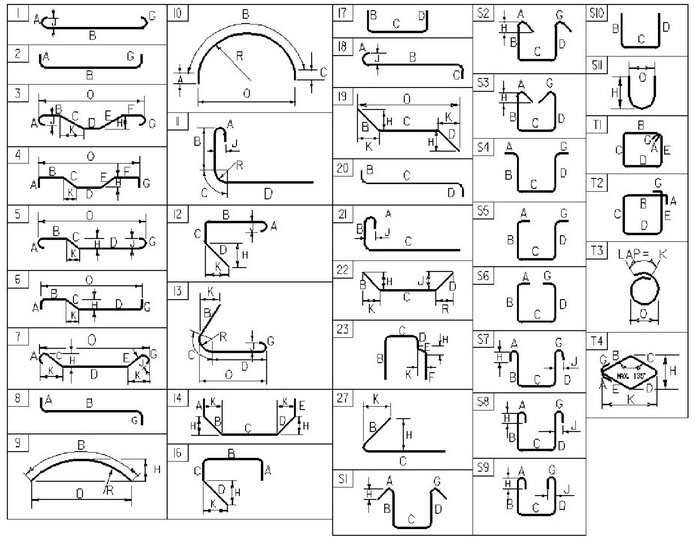
			~~8'-6"~~ 7'-6"														
	80	5	~~8'-4"~~	P500	17		2'- 5"	2'- 8"	2'- 5"								
	60	5	~~7'-4"~~	P501	17		2'- 5"	3'- 2"	2'- 5"								
			8'-0"														

APPROACH SLAB

	42	5	22'- 0"	AS500	STR												
	42	5	20'- 1"	AS501	STR												
	3	5	19'- 9"	AS502	STR												
✳	21	5	5'- 5"	AS503	STR												
	42	5	2'- 4"	AS504	2	0'- 10"	1'- 6"					0'- 0"					
	14	5	19'- 6"	AS505	STR												
	84	5	1'- 8"	AS506	2	0'- 10"	0'- 10"					0'- 0"					
	84	5	1'- 1"	AS507	1	0'- 7"	0'- 6"					0'- 0"					
	24	5	6'- 3"	AS508	1	0'- 7"	5'- 1"					0'- 7"					
	42	5	5'- 7"	AS509	1	0'- 7"	5'- 0"					0'- 0"					
	88	9	20'- 11"	AS900	1	1'- 3"	19'- 8"					0'- 0"					
✳	4	9	19'- 9"	AS901	STR												
	42	5	20'- 1"	AS501	STR												
	3	5	19'- 9"	AS502	STR												
✳	21	5	5'- 5"	AS503	STR												
	42	5	2'- 4"	AS504	2	0'- 10"	1'- 6"					0'- 0"					
	14	5	19'- 6"	AS505	STR												
	84	5	1'- 8"	AS506	2	0'- 10"	0'- 10"					0'- 0"					
	84	5	1'- 1"	AS507	1	0'- 7"	0'- 6"					0'- 0"					
	42	5	5'- 7"	AS509	1	0'- 7"	5'- 0"					0'- 0"					
	88	9	20'- 11"	AS900	1	1'- 3"	19'- 8"					0'- 0"					
✳	4	9	19'- 9"	AS901	STR												

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. DECK, ABUTMENT, AND PIER REINFORCEMENT SHALL BE LEVEL II. APPROACH SLAB REINFORCEMENT SHALL BE LEVEL I.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES ^{2}	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

PROJECT NAME: **BENNINGTON**
PROJECT NUMBER: **BRF 1000(16)**

FILE NAME: **z88j08rss.xls**
PROJECT MANAGER: **R. HEBERT**
DESIGNED BY: **D. MYERS**
REINFORCING STEEL SCHEDULE

PLOT DATE: **5/9/2014**
DRAWN BY: **T. POULIN**
CHECKED BY: **R. HEBERT**
SHEET **55** OF **75**