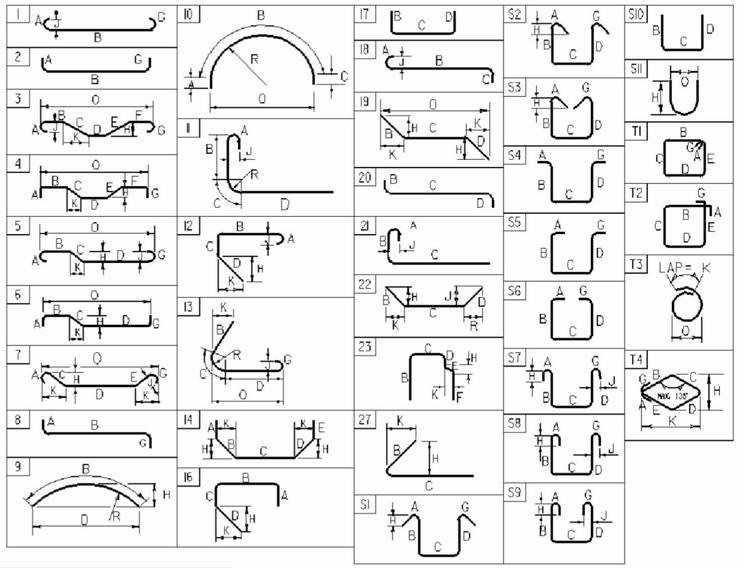
STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
PIER POUR 1 FOOTING																	
	4	6	2'- 6"	1P601	STR												
	16	6	6'- 0"	1P602	STR												
	36	6	6'- 9"	1P603	STR												
	8	8	59'- 4"	1P801	STR												
✳	15	8	11'- 0"	1P802	STR												
	54	11	59'- 4"	1P1101	STR												
	8	11	5'- 8"	1P1102	STR												
	6	11	47'- 0"	1P1103	STR												
	200	4	7'- 9"	1P401	S6	0'- 6"	2'- 3"	2'- 3"	2'- 3"			0'- 6"					
	16	4	6'- 5"	1P402	12	0'- 5"	5'- 6"	0'- 6"									
	16	4	5'- 8"	1P403	12	0'- 5"	4'- 9"	0'- 6"									
	12	6	5'- 9"	1P604	2	1'- 0"	4'- 9"					0'- 0"					
✳	475	6	7'- 2"	1P605	12	0'- 8"	5'- 6"	1'- 0"									
	106	6	13'- 1"	1P606	2	1'- 0"	11'- 1"					1'- 0"					
	100	6	13'- 9"	1P607	S10		1'- 0"	5'- 6"	7'- 3"								
	8	6	22'- 4"	1P608	T1	0'- 11"	5'- 6"	4'- 9"	5'- 6"	4'- 9"		0'- 11"					
✳	36	7	13'- 5"	1P701	2	1'- 2"	11'- 1"					1'- 2"					
	70	7	14'- 1"	1P702	S10		1'- 4"	5'- 6"	7'- 3"								
	24	7	7'- 10"	1P703	2	1'- 2"	5'- 6"					1'- 2"					
	40	11	16'- 4"	1P1104	2	2'- 0"	13'- 10"					0'- 0"					
	84	11	15'- 10"	1P1105	2	2'- 0"	14'- 4"					0'- 0"					
PIER POUR 2 COLUMNS BELOW STRUT																	
✳ **	18	5	5'- 0"	2P501	STR												
	88	11	29'- 8"	2P1101	STR												
	36	11	38'- 10"	2P1102	STR												
	40	11	18'- 0"	2P1103	STR												
✳	125	4	6'- 8"	2P401	12	0'- 6"	5'- 6"	8"									
	140	4	5'- 11"	2P402	12	0'- 6"	4'- 9"	8"									
	16	4	5'- 8"	2P403	12	0'- 6"	4'- 6"	8"									
	62	6	22'- 4"	2P601	T1	0'- 11"	5'- 6"	4'- 9"	5'- 6"	4'- 9"		0'- 11"					
	8	6	20'- 4"	2P602	T1	0'- 11"	4'- 6"	4'- 9"	4'- 6"	4'- 9"		0'- 11"					
**	32	11	7'- 0"	2P1104	2	2'- 0"	5'- 0"					0'- 0"					
PIER POUR 3 STRUT																	
**	16	5	9'- 2"	3P501	STR												
	8	5	20'- 5"	3P502	STR												
✳ **	33	11	9'- 2"	3P1101	STR												
	16	11	20'- 5"	3P1102	STR												
	44	4	4'- 10"	3P401	12	0'- 6"	3'- 8"	0'- 8"									
	44	4	5'- 8"	3P402	12	0'- 6"	4'- 6"	0'- 8"									
	22	6	14'- 6"	3P601	S3	0'- 11"	4'- 6"	3'- 8"	4'- 6"			0'- 11"					
	22	6	5'- 8"	3P602	2	1'- 0"	3'- 8"					1'- 0"					
PIER POUR 4 COLUMNS ABOVE STRUT																	
	76	11	27'- 3"	4P1101	STR												
	96	4	5'- 11"	4P401	12	0'- 6"	4'- 9"	0'- 8"									
	96	4	5'- 8"	4P402	12	0'- 6"	4'- 6"	0'- 8"									
	48	6	20'- 4"	4P601	T1	0'- 11"	4'- 9"	4'- 6"	4'- 9"	4'- 6"		0'- 11"					
PIER POUR 5 CAP, BEAM SEAT, & SHEAR LUGS																	
	2	4	8'- 0"	5P403	STR												
	2	4	19'- 1"	5P404	STR												
	4	4	38'- 6"	5P405	STR												
✳	25	9	38'- 6"	5P901	STR												
	8	6	38'- 6"	5P601	STR												
	9	4	14'- 4"	5P406	17		4'- 5"	5'- 6"	4'- 5"								
	12	4	12'- 8"	5P407	17		3'- 7"	5'- 6"	3'- 7"								
	12	4	11'- 0"	5P408	17		2'- 9"	5'- 6"	2'- 9"								
	9	4	9'- 0"	5P409	17		1'- 9"	5'- 6"	1'- 9"								
	7	4	11'- 6"	5P410	17		1'- 8"	7'- 11"	1'- 11"								
	14	4	14'- 6"	5P411	2	1'- 8"	12'- 10"					0'- 0"					
	5	4	11'- 8"	5P412	2	1'- 8"	10'- 0"					0'- 0"					
	16	4	5'- 11"	5P416	12	0'- 6"	4'- 9"	0'- 8"									
	16	4	5'- 8"	5P417	12	0'- 6"	4'- 6"	0'- 8"									
	7	4	6'- 10"	5P418	2	0'- 8"	5'- 6"					0'- 8"					
	12	5	8'- 8"	5P501	T1	0'- 8"	2'- 0"	1'- 8"	2'- 0"	1'- 8"		0'- 8"					
	8	6	20'- 4"	5P602	T1	0'- 11"	4'- 9"	4'- 6"	4'- 9"	4'- 6"		0'- 11"					
	120	6	15'- 4"	5P603	S3	0'- 11"	5'- 0"	3'- 6"	5'- 0"			0'- 11"					
	74	6	7'- 6"	5P604	2	1'- 0"	5'- 6"					1'- 0"					
	20	6	6'- 2"	5P605	17		2'- 4"	1'- 6"	2'- 4"								
	20	6	6'- 6"	5P606	17		2'- 4"	1'- 10"	2'- 4"								
	12	9	41'- 8"	5P902	2	1'- 7"	38'- 6"					1'- 7"					
	12	9	40'- 8"	5P903	2	1'- 7"	37'- 6"					1'- 7"					

~ 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 M31 (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. E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.
12. ** DENOTES BAR IS PART OF A COUPLER SYSTEM. ADDITIONAL BARS, 12" IN LENGTH, ADDED PER VTRANS MATERIAL TESTING STD



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

AS BUILT
RECORD PLANS

RFC PLANS - WORK PACKAGE #4
BRIDGE 6N SUBSTRUCTURE
JULY 6, 2011

PROJECT NAME: BRATTLEBORO
PROJECT NUMBER: AC IM 091-I(50)

FILE NAME: ZB-100-BR6-501.xls
PROJECT MANAGER: Brian W. Clogston P.E.
DESIGNED BY: Megan Neill P.E., Mike Lopez P.E.
REINFORCING STEEL SCHEDULE SHEET

PLOT DATE: 7/6/2011
DRAWN BY: Scott Morgan
CHECKED BY: J. England, P.E.
SHEET 1 OF 1