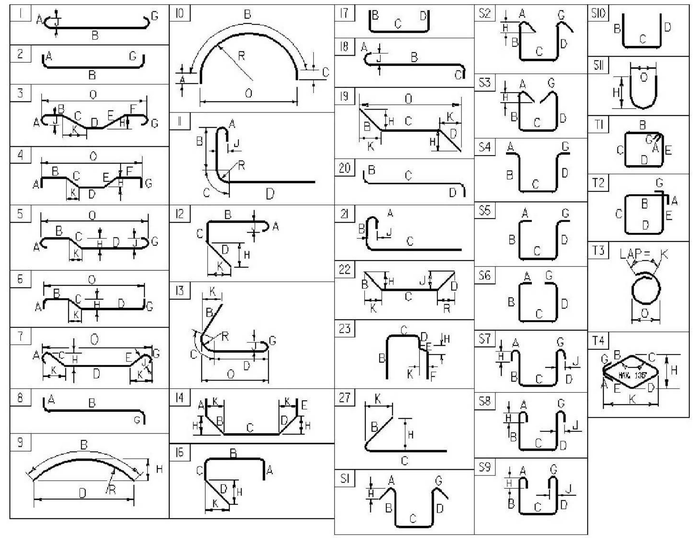
STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK REINFORCEMENT																	
	164	5	33'- 5"	S501.2	STR												
	267	5	42'- 1"	S502.2	STR												
	56	5	3'- 3"	S503.2	STR												
	32	5	9'- 0"	S504.2	STR												
	178	5	3'- 1"	S551.2	1	0'- 7"	2'- 6"					0'- 0"					
	80	5	3'- 3"	S552.2	1	0'- 7"	2'- 8"					0'- 0"					
	178	5	3'- 7"	S553.2	1	0'- 7"	3'- 0"					0'- 0"					
	80	5	3'- 5"	S554.2	1	0'- 7"	2'- 10"					0'- 0"					
	516	5	6'- 4"	S555.2	1	0'- 7"	5'- 9"					0'- 0"					
	362	5	5'- 0"	S556.2	S5	0'- 10"	0'- 11"	1'- 6"	0'- 11"			0'- 10"					
ABUTMENT 1 REINFORCEMENT																	
	16	4	8'- 3"	1A400.2	STR												
✳	18	4	5'- 3"	1A401.2	STR												
	9	5	7'- 0"	1A500.2	STR												
	9	5	7'- 8"	1A501.2	STR												
	10	5	6'- 1"	1A502.2	STR												
	8	5	5'- 5"	1A503.2	STR												
	10	5	8'- 3"	1A504.2	STR												
✳	12	5	5'- 3"	1A505.2	STR												
	30	6	37'- 4"	1A600.2	STR												
✳	21	6	9'- 0"	1A601.2	STR												
	21	7	9'- 11"	1A700.2	STR												
	21	7	9'- 0"	1A701.2	STR												
	11	4	23'- 5"	1A450.2	17		10'- 11"	1'- 7"	10'- 11"								
	11	4	4'- 9"	1A451.2	17		1'- 7"	1'- 7"	1'- 7"								
	15	4	4'- 0"	1A452.2	17		1'- 10"	0'- 4"	1'- 10"								
	102	5	11'- 8"	1A550.2	17		2'- 7"	9'- 1"	0'- 0"								
	32	5	8'- 11"	1A551.2	17		3'- 2"	2'- 7"	3'- 2"								
	32	5	7'- 5"	1A552.2	17		2'- 11"	1'- 7"	2'- 11"								
	32	5	6'- 2"	1A553.2	14	1'- 6"	2'- 1"	2'- 7"					1'- 6"		1'- 6"		
	32	5	5'- 6"	1A554.2	3	0'- 7"	4'- 5"	0'- 6"	0'- 0"	0'- 0"	0'- 0"	0'- 0"	0'- 4"		0'- 4"		
	12	5	12'- 7"	1A555.2	17		5'- 0"	2'- 7"	5'- 0"								
ABUTMENT 2 REINFORCEMENT																	
	17	4	7'- 9"	2A400.2	STR												
	16	4	9'- 9"	2A401.2	STR												
	9	5	6'- 9"	2A500.2	STR												
	9	5	7'- 7"	2A501.2	STR												
	10	5	6'- 0"	2A502.2	STR												
	8	5	5'- 4"	2A503.2	STR												
	11	5	7'- 9"	2A504.2	STR												
	10	5	9'- 9"	2A505.2	STR												
	30	6	37'- 4"	2A600.2	STR												
	20	6	9'- 0"	2A601.2	STR												
	21	7	9'- 8"	2A700.2	STR												
✳	22	7	8'- 11"	2A701.2	STR												
	15	4	23'- 3"	2A450.2	17		10'- 10"	1'- 7"	10'- 10"								
	15	4	5'- 1"	2A451.2	17		1'- 9"	1'- 7"	1'- 9"								
	15	4	4'- 0"	2A452.2	17		1'- 10"	0'- 4"	1'- 10"								
	102	5	11'- 7"	2A550.2	17		2'- 7"	9'- 0"	0'- 0"								
	32	5	9'- 3"	2A551.2	17		3'- 4"	2'- 7"	3'- 4"								
	32	5	7'- 5"	2A552.2	17		2'- 11"	1'- 7"	2'- 11"								
	32	5	6'- 2"	2A553.2	14	1'- 6"	2'- 1"	2'- 7"					1'- 6"		1'- 6"		
	32	5	5'- 6"	2A554.2	3	0'- 7"	4'- 5"	0'- 6"	0'- 0"	0'- 0"	0'- 0"	0'- 0"	0'- 4"		0'- 4"		
	12	5	12'- 9"	2A555.2	17		5'- 1"	2'- 7"	5'- 1"								
APPROACH SLAB 1																	
	21	5	37'- 10"	1EAS501	STR												
	45	9	20'- 9"	1EAS901	1	1'- 3"	19'- 6"					0'- 0"					
APPROACH SLAB 2																	
✳	22	5	37'- 7"	2EAS501	STR												
✳	46	9	20'- 9"	2EAS901	1	1'- 3"	19'- 6"					0'- 0"					

~ 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. .2 |
11. E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



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: **HYDE PARK**
PROJECT NUMBER: **STP CULV(26)**

FILE NAME: **z11b292rss.xls**
PROJECT MANAGER: **R. HEBERT**
DESIGNED BY: **T. POULIN**
REINFORCING STEEL SCHEDULE

PLOT DATE: **5/9/2013**
DRAWN BY: **T. POULIN**
CHECKED BY: **J. OLUND**
SHEET **40** OF **60**