STATE OF VERMONT
AGENCY OF TRANSPORTATION

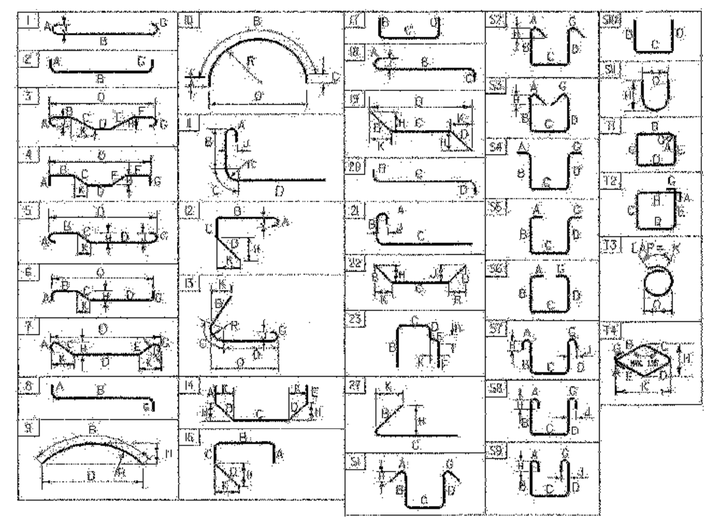
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
Abut 1																	
	12	5	16'- 3"	1A501	STR												
♠	19	5	5'- 8"	1A502	STR												
	37	5	2'- 11"	1A503	STR												
	17	5	4'- 7"	1A504	STR												
	20	5	6'- 6"	1A505	17			2'- 10"	3'- 6"								
	40	5	7'- 1"	1A506	STR												
*	18	5	21'- 8"	1A507	STR												
	20	5	2'- 8"	1A508	S10		1'- 6"	0'- 7"	1'- 6"								
	17	5	4'- 9"	1A509	S10		1'- 6"	2'- 7"	1'- 6"								
	36	5	4'- 4"	1A510	22		2'- 2"	2'- 2"									
Wingwall 1																	
	10	5	7'- 0"	1W501	STR												
	6	5	5'- 3"	1W502	STR												
	7	5	2'- 11"	1W503	STR												
♠ *	12	5	7'- 0"	1W504	STR												
	4	5	4'- 3"	1W505	17			2'- 11"	1'- 4"								
*	18	5	6'- 9"	1W506	STR												
	4	5	3'- 4"	1W507	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	5'- 0"	1W508	22			0'- 9"	4'- 3"					2'- 9"		3'- 2"	
Wingwall 2																	
	10	5	10'- 10"	2W501	STR												
	10	5	5'- 3"	2W502	STR												
	11	5	2'- 11"	2W503	STR												
*	16	5	7'- 0"	2W504	STR												
	8	5	4'- 3"	2W505	17			2'- 11"	1'- 4"								
*	18	5	10'- 4"	2W506	STR												
	8	5	2'- 4"	2W507	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	8'- 1"	2W508	22			0'- 9"	7'- 4"					2'- 10"		6'- 10"	
Abut 2																	
	34	5	21'- 6"	2A501	STR												
	34	5	10'- 6"	2A502	17		3'- 0"	9'- 6"	3'- 0"								
	17	5	17'- 10"	2A503	17		6'- 2"	5'- 6"	6'- 2"								
	8	5	5'- 8"	2A504	STR												
*	46	5	12'- 6"	2A505	STR												
	7	5	21'- 10"	2A506	17		6'- 2"	9'- 6"	6'- 2"								
♠	23	8	3'- 0"	2A801	STR												
♠	21	9	21'- 6"	2A901	STR												
Pier																	
*	40	5	21'- 6"	1P501	STR												
♠ *	47	5	14'- 4"	1P502	STR												
	21	5	12'- 0"	1P503	S10		2'- 3"	7'- 6"	2'- 3"								
*	16	5	8'- 0"	1P504	S10		2'- 3"	3'- 6"	2'- 3"								
	4	5	6'- 0"	1P505	S10		2'- 2"	1'- 6"	2'- 3"								
♠	27	5	4'- 0"	1P506	STR												
♠	23	8	3'- 0"	1P801	STR												
Abut 3																	
♠	23	5	6'- 3"	3A501	STR												
	16	5	2'- 6"	3A502	STR												
	18	5	15'- 6"	3A503	STR												
♠	17	5	5'- 7"	3A504	17		1'- 6"	2'- 7"	1'- 6"								
	16	5	8'- 7"	3A505	17		4'- 0"	0'- 7"	4'- 0"								
♠	10	8	3'- 0"	3A901	STR												
Path Abut 1																	
	9	5	16'- 6"	1PA501	STR												
	14	5	4'- 8"	1PA502	STR												
	17	5	6'- 8"	1PA503	STR												
♠	18	5	8'- 1"	1PA504	S10		6'- 6"	1'- 7"									
	12	5	15'- 6"	1PA505	STR												
	16	5	3'- 7"	1PA506	S10		1'- 6"	0'- 7"	1'- 6"								
	32	5	4'- 4"	1PA507	22		2'- 2"	2'- 2"									
Path Wingwall 1																	
	10	5	4'- 7"	1PW501	STR												
	5	5	5'- 3"	1PW502	STR												
	5	5	6'- 6"	1PW503	STR												
	5	5	7'- 10"	1PW504	S10		6'- 6"	1'- 4"									
	10	5	4'- 3"	1PW505	STR												
	5	5	3'- 4"	1PW506	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	5'- 9"	1PW507	22		3'- 7"	2'- 2"					2'- 0"		3'- 0"		

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
Path Wingwall 2																	
	10	5	4'- 7"	2PW501	STR												
♠	6	5	5'- 3"	2PW502	STR												
	5	5	6'- 6"	2PW503	STR												
	5	5	7'- 10"	2PW504	S10		6'- 6"	1'- 4"									
	10	5	4'- 3"	2PW505	STR												
	5	5	3'- 4"	2PW506	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	5'- 9"	2PW507	22		3'- 7"	2'- 2"					2'- 0"		3'- 0"		
Path Abut 2																	
	9	5	16'- 6"	2PA501	STR												
	12	5	4'- 8"	2PA502	STR												
	16	5	6'- 11"	2PA503	STR												
	16	5	7'- 6"	2PA504	S10		5'- 11"	1'- 7"									
	10	5	14'- 6"	2PA505	STR												
	18	5	3'- 7"	2PA506	S10		1'- 6"	0'- 7"	1'- 6"								
	24	5	4'- 4"	2PA507	22		2'- 2"	2'- 2"									
Path Wingwall 3																	
	10	5	6'- 8"	3PW501	STR												
♠	6	5	6'- 3"	3PW502	STR												
	5	5	6'- 11"	3PW503	STR												
	5	5	7'- 3"	3PW504	S10		5'- 11"	1'- 4"									
	12	5	5'- 2"	3PW505	STR												
	5	5	3'- 4"	3PW506	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	6'- 9"	3PW507	22		3'- 7"	2'- 2"					2'- 0"		3'- 0"		
Path Wingwall 4																	
	10	5	6'- 8"	4PW501	STR												
	5	5	6'- 3"	4PW502	STR												
	5	5	6'- 11"	4PW503	STR												
	6	5	7'- 3"	4PW504	S10		5'- 11"	1'- 4"									
♠	13	5	5'- 2"	4PW505	STR												
	5	5	3'- 4"	4PW506	S10		1'- 6"	0'- 4"	1'- 6"								
	2	5	6'- 9"	4PW507	22		3'- 7"	2'- 2"					2'- 0"		3'- 0"		
Concrete Walkway																	
*	92	4	10'- 6"	CW401	STR												
*	70	4	19'- 6"	CW402	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 615-60). 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 "K" 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 PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES²	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:	Burl.-Colc.		
PROJECT NUMBER:	STP Bike(45)		
FILE NAME:	ef132reinf.xls	PLOT DATE:	10/23/2002
PROJECT LEADER:	C. Keller	DRAWN BY:	M.E.M.
DESIGNED BY:	M.E.M	CHECKED BY:	J.D.G.
REINFORCING STEEL SCHEDULE SHEET #1		SHEET 89 OF 97	