

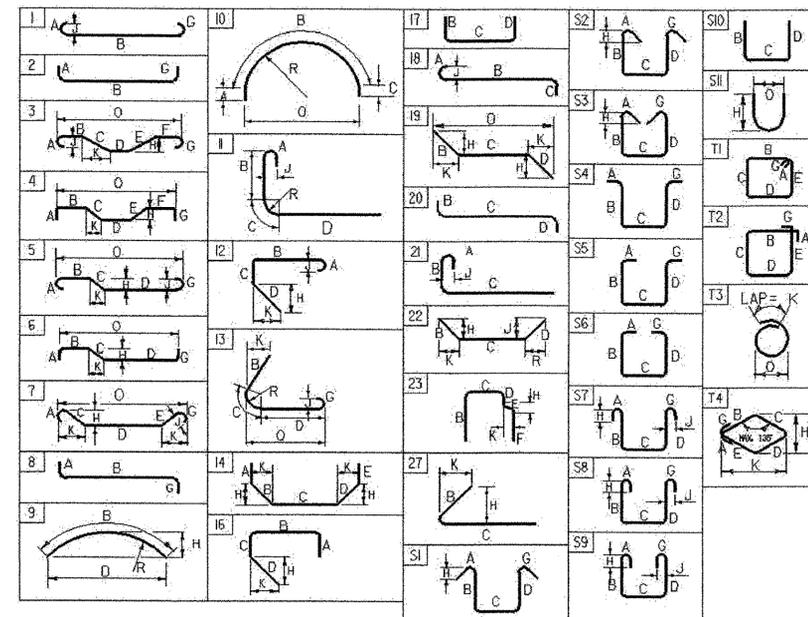
STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O				
<b>Path Abut 1</b>																																							
9	5	16'-6"	1PA501	STR																																			
14	5	4'-6"	1PA502	STR																																			
17	5	6'-6"	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	Z2				2'-2"	2'-2"																														
<b>Path Wingwall 1</b>																																							
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																																			
6	5	3'-4"	1PW506	S10				1'-6"	0'-4"	1'-6"																													
2	5	5'-9"	1PW507	Z2				3'-7"	2'-2"					2'-0"		3'-0"																							
<b>Path Wingwall 2</b>																																							
* 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																																			
6	5	3'-4"	2PW506	S10				1'-6"	0'-4"	1'-6"																													
2	5	5'-9"	2PW507	Z2				3'-7"	2'-2"																														
<b>Path Abut 2</b>																																							
9	5	16'-6"	2PA501	STR																																			
12	5	4'-6"	2PA502	STR																																			
15	5	5'-11"	2PA503	STR																																			
15	5	7'-6"	2PA504	S10				5'-11"	1'-7"																														
10	5	14'-6"	2PA505	STR																																			
16	5	3'-7"	2PA506	S10				1'-6"	0'-7"	1'-6"																													
24	5	4'-4"	2PA507	Z2				2'-2"	2'-2"																														
<b>Path Wingwall 3</b>																																							
* 10	5	5'-8"	3PW501	STR																																			
6	5	5'-3"	3PW502	STR																																			
5	5	5'-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	5'-9"	3PW507	Z2				3'-7"	2'-2"					2'-0"		3'-0"																							
<b>Path Wingwall 4</b>																																							
10	5	5'-8"	4PW501	STR																																			
5	5	5'-3"	4PW502	STR																																			
5	5	5'-11"	4PW503	STR																																			
5	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	5'-9"	4PW507	Z2				3'-7"	2'-2"					2'-0"		3'-0"																							
<b>Concrete Walkway</b>																																							
▲ 92	4	19'-6"	CW401	STR																																			
▲ 70	4	19'-6"	CW402	STR																																			

~ NOTES ~

- 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.
- 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".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- E DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES <sup>2</sup>	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:	<b>COLCHESTER</b>
PROJECT NUMBER:	<b>STP Bike(48)</b>
FILE NAME: ef038rein.xls	PLOT DATE: 7/9/2003
PROJECT MANAGER: C. Keller	DRAWN BY: Evans-Mongeon
DESIGNED BY: Evans-Mongeon	CHECKED BY:
REINFORCING STEEL SCHEDULE SHEET #1	SHEET 69 OF 87