STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

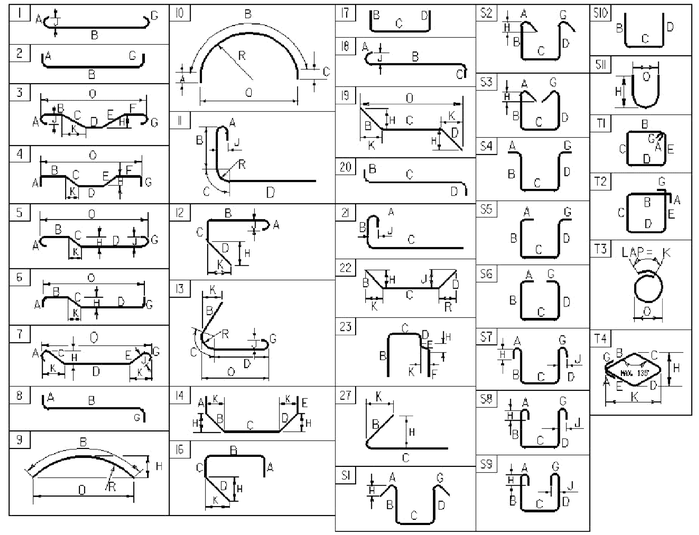
Metric

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
BRIDGE 17																	
✳	23	16	9140	ES1601	STR												
✳	33	16	6940	ES1602	STR												
	64	16	2830	ES1603	S6	250	305	1720	305			250					
	64	16	1860	ES1604	S5	250	560	210	590			250					
△	50	29	9515	ES2901	1	375	9140					---		300			
APPROACH SLAB 1																	
△	23	16	6440	1EAS1601	STR												
△	31	29	6205	1EAS2901	1	375	5830					---		300			
APPROACH SLAB 2																	
△	23	16	6440	2EAS1601	STR												
△	31	29	6205	2EAS2901	1	375	5830					---		300			
ABUT # 1																	
	34	16	4750	1A1601	STR												
	35	16	1180	1A1602	STR												
	29	16	3870	1A1603	STR												
	70	16	4560	1A1604	STR												
	25	16	3090	1A1605	STR												
	6	16	4510	1A1606	STR												
	6	16	3680	1A1607	STR												
▲	40	16	1460	1A1608	22		730	730	---				560		470		
	32	16	4035	1A1609	22		660	2715	660				275		595		
	31	16	2860	1A1610	16	1090	740	330	700								
	58	22	2840	1A2201	STR												
△	39	25	3660	1A2501	17		2390	1270	---								
△	15	25	900	1EA2501	STR												
△	15	25	1410	1EA2502	19		810	600	---								
WINGWALL # 1																	
	15	16	4980	1W1601	STR												
	15	16	1180	1W1602	STR												
▲	15	16	4890	1W1603	STR												
▲	36	16	4440	1W1604	STR												
▲	15	16	3240	1W1605	STR												
	15	16	1610	1W1606	17		660	290	660								
	2	16	4700	1W1607	22		750	3950	---				270		705		
	28	22	2490	1W2201	STR												
✳	16	22	2310	1W2202	STR												
	28	22	2640	1W2203	17		1720	920	---								
WINGWALL # 2																	
	15	16	2980	2W1601	STR												
	8	16	1180	2W1602	STR												
▲	8	16	4510	2W1603	STR												
✳ ▲	33	16	2040	2W1604	STR												
✳ ▲	9	16	2860	2W1605	STR												
	8	16	1610	2W1606	17		660	290	660								
	2	16	2570	2W1607	22		730	1840	---				270		675		
	15	22	2490	2W2201	STR												
✳	9	22	2310	2W2202	STR												
	15	22	2640	2W2203	17		1720	920	---								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUT # 2																	
	34	16	4650	2A1601	STR												
	31	16	1180	2A1602	STR												
	25	16	4140	2A1603	STR												
	70	16	4560	2A1604	STR												
	24	16	3350	2A1605	STR												
	6	16	4790	2A1606	STR												
	6	16	3950	2A1607	STR												
	105	16	2120	2A1608	22		1060	1060	---								
	31	16	2850	2A1609	16	1080	740	330	700								
	58	22	2840	2A2201	STR												
△	39	25	3660	2A2501	17		2390	1270	---								
△	15	25	900	2EA2501	STR												
△	15	25	1410	2EA2502	19		810	600	---								
WINGWALL #3																	
	15	16	4470	3W1601	STR												
	13	16	1180	3W1602	STR												
▲	13	16	5160	3W1603	STR												
▲	36	16	3540	3W1604	STR												
▲	13	16	3510	3W1605	STR												
	13	16	1610	3W1606	17		660	290	660								
	2	16	4140	3W1607	22		750	3390	---					260		700	
	25	22	2490	3W2201	STR												
✳	14	22	2310	3W2202	STR												
	25	22	2640	3W2203	17		1720	920	---								
WINGWALL # 4																	
	15	16	4270	4W1601	STR												
	13	16	1180	4W1602	STR												
▲	13	16	4790	4W1603	STR												
✳ ▲	35	16	3340	4W1604	STR												
✳ ▲	14	16	3140	4W1605	STR												
	13	16	1610	4W1606	17		660	290	660								
	2	16	3910	4W1607	22		750	3160	---					245		705	
	24	22	2490	4W2201	STR												
✳	14	22	2310	4W2202	STR												
	24	22	2640	4W2203	17		1720	920	---								

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 420, 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 DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm²)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: **BURKE BR #17**
PROJECT NUMBER: **BRZ 1447 (15)**

FILE NAME: se043br17rss.xls
PROJECT MANAGER: C. P. WILLIAMS
DESIGNED BY: E. L. RUSTAY
REINFORCING STEEL SCHEDULE SHEET #2

PLOT DATE: 2/28/2008
DRAWN BY: D.D.BEARD
CHECKED BY: M.FESSEL
SHEET 46 OF 81