STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

Metric

Sargent Brook Bridge - Abutment 1A (South Abutment)

EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
16	16	0.900	1A1601	STR												
3	16	5.390	1A1602	STR												
13	16	2.000	♦ 1A1603	STR												
14	16	0.700	♦ 1A1604	STR												
13	16	4.375	1A1605	STR												
30	16	0.890	1A1606	17		0.300	0.290	0.300								
30	16	1.098	1A1607	STR												
6	16	0.595	1A1608	STR												
10	16	1.298	1A1609	STR												
5	16	1.000	1A1610	17		0.300	0.400	0.300								
6	16	1.125	1A1611	STR												
16	16	0.725	1A1612	STR												
56	25	0.900	1A2501	STR												

Sargent Brook Bridge - Wingwall 1A1W (South Abutment)

EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
16	16	4.675	♦ 1A1W1601	17		2.120	0.435	2.120								
27	19	0.800	1A1W1901	17		0.400	0.400	0.000								
27	19	3.110	♦ 1A1W1902	27		0.565	1.745					0.400		0.400		
27	19	2.600	♦ 1A1W1903	27		0.550	1.270					0.390		0.390		
27	19	1.658	1A1W1904	17		0.610	0.438	0.610								

Sargent Brook Bridge - Abutment 2A (North Abutment)

EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
16	16	0.900	2A1601	STR												
3	16	4.792	2A1602	STR												
12	16	1.250	♦ 2A1603	STR												
11	16	0.750	♦ 2A1604	STR												
13	16	4.375	♦ 2A1605	STR												
30	16	0.890	2A1606	17		0.300	0.290	0.300								
30	16	1.098	2A1607	STR												
6	16	0.595	2A1608	STR												
10	16	1.298	2A1609	STR												
5	16	1.000	2A1610	17		0.300	0.400	0.300								
6	16	1.125	2A1611	STR												
16	16	0.725	2A1612	STR												
50	25	0.900	2A2501	STR												

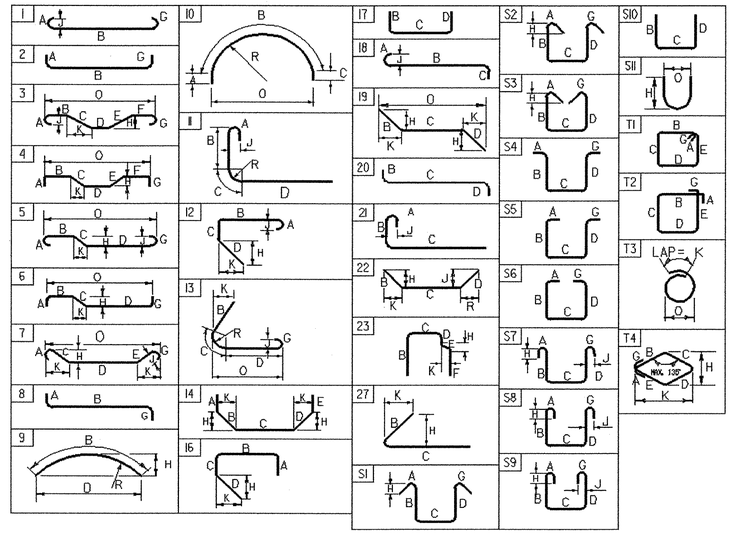
Sargent Brook Bridge - Wingwall 2A2W (North Abutment)

EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
17	16	0.900	2A1W1601	STR												
28	16	0.600	2A1W1602	STR												
28	16	5.780	♦ 2A1W1603	STR												
19	16	3.500	2A1W1604	STR												
19	16	4.950	2A1W1605	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ 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. ③ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm^2)	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: **BRATTLEBORO**
PROJECT NUMBER: **NH 010-2(2)**

FILE NAME: **7010100100**
PROJECT LEADER: **JHR**
DESIGNED BY: **GJB**
REINFORCING STEEL SCHEDULE - SARGENT

PLOT DATE: **10-02-2002**
DRAWN BY: **LRD**
CHECKED BY: **JHR**
SHEET **97** OF **145**