STATE OF VERMONT
AGENCY OF TRANSPORTATION

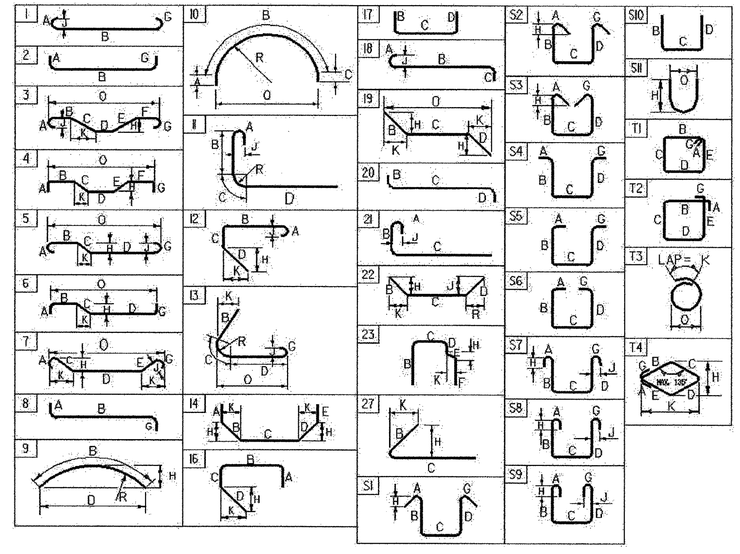
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
88 S DECK																	
✳	1477	5	21'- 9"	3S501	STR												
	408	5	32'- 2"	3S502	STR												
✳	53	5	5'- 0"	3S503	STR		(USE 4 PIECES FOR WINGWALLS)										
	510	5	5'- 7"	3S504	S5	0'- 10"	1'- 3"	1'- 5"	1'- 3"			0'- 10"					
	39	5	5'- 1"	3S505	S5	0'- 10"	0'- 7"	2'- 3"	0'- 7"			0'- 10"					
	39	5	4'- 5"	3S506	S5	0'- 10"	0'- 7"	1'- 7"	0'- 7"			0'- 10"					
✳	217	6	32'- 7"	3S601	STR												
✳	73	6	33'- 0"	3S602	STR												
APPROACH SLAB NO. 5																	
✳	43	5	19'- 10"	5AS501	STR												
	46	9	20'- 9"	5AS901	1	1'- 3"	19'- 6"					---					
APPROACH SLAB NO. 6																	
	42	5	19'- 10"	6AS501	STR												
✳	47	9	20'- 9"	6AS901	1	1'- 3"	19'- 6"					---					
ABUTMENT NO. 5																	
	8	5	21'- 0"	5A501A	STR												
✳	9	5	18'- 6"	5A501B	STR												
	16	5	23'- 0"	5A502A	STR												
	16	5	20'- 7"	5A502B	STR												
	86	5	3'- 7"	5A503	STR												
▲	39	5	17'- 9"	5A504	S10		8'- 1"	1'- 7"	8'- 1"								
	43	5	6'- 2"	5A505	S10		2'- 10"	0'- 6"	2'- 10"								
	80	8	3'- 0"	5A801	STR												
	20	8	3'- 0"	5A802	19		1'- 0"	2'- 0"	---								
WINGWALL NO. 9																	
	18	5	4'- 2"	9W501	STR												
▲	14	5	8'- 6"	9W502	STR												
✳	11	5	5'- 5"	9W504	STR												
	9	5	7'- 9"	9W503	S10		3'- 2"	1'- 5"	3'- 2"								
WINGWALL NO. 10																	
	12	5	4'- 1"	10W501	STR												
▲	14	5	5'- 6"	10W502	STR												
	6	5	5'- 5"	10W504	STR												
	6	5	7'- 9"	10W503	S10		3'- 2"	1'- 5"	3'- 2"								
ABUTMENT NO. 6																	
	6	5	20'- 11"	6A501A	STR												
✳	7	5	18'- 8"	6A501B	STR												
	21	5	22'- 10"	6A502A	STR												
	21	5	20'- 9"	6A502B	STR												
	86	5	3'- 9"	6A503	STR												
▲	39	5	17'- 5"	6A504	S10		7'- 10"	1'- 9"	7'- 10"								
	43	5	8'- 9"	6A505	S10		4'- 0"	0'- 9"	4'- 0"								
	80	8	3'- 0"	6A801	STR												
	20	8	3'- 0"	6A802	19		1'- 0"	2'- 0"	---								
WINGWALL NO. 11																	
	18	5	4'- 2"	11W501	STR												
▲	14	5	8'- 4"	11W502	STR												
✳	11	5	5'- 5"	11W504	STR												
	9	5	7'- 9"	11W503	S10		3'- 2"	1'- 5"	3'- 2"								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
WINGWALL NO. 12																	
	12	5	4'- 1"	12W501	STR												
▲	14	5	5'- 4"	12W502	STR												
	6	5	5'- 4"	12W504	STR												
	6	5	7'- 9"	12W503	S10		3'- 2"	1'- 5"	3'- 2"								
PIER NO. 1																	
▲	10	5	22'- 4"	1P501A	STR												
✳ ▲	11	5	20'- 3"	1P501B	STR												
▲	18	5	3'- 6"	1P502	STR												
PIER NO. 2																	
▲	10	5	22'- 4"	2P501A	STR												
✳ ▲	11	5	20'- 3"	2P501B	STR												
▲	18	5	3'- 6"	2P502	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-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. ■ 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 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

BR453

ALL STEEL DETAILED ON THIS SHEET TO BE EPOXY COATED

PROJECT NAME:	FAIRFAX-FAIRFIELD-ST. ALBANS
PROJECT NUMBER:	IM 089 - 3 (27)
FILE NAME:	\98a056\structures
PROJECT LEADER:	R. R. WHITCOMB
DESIGNED BY:	P. PERRY
BRIDGE 88S REINFORCING STEEL SCHEDULE	
PLOT DATE:	9/20/00
DRAWN BY:	P. PERRY
CHECKED BY:	G. ROY
SHEET	205 OF 370