STATE OF VERMONT
AGENCY OF TRANSPORTATION

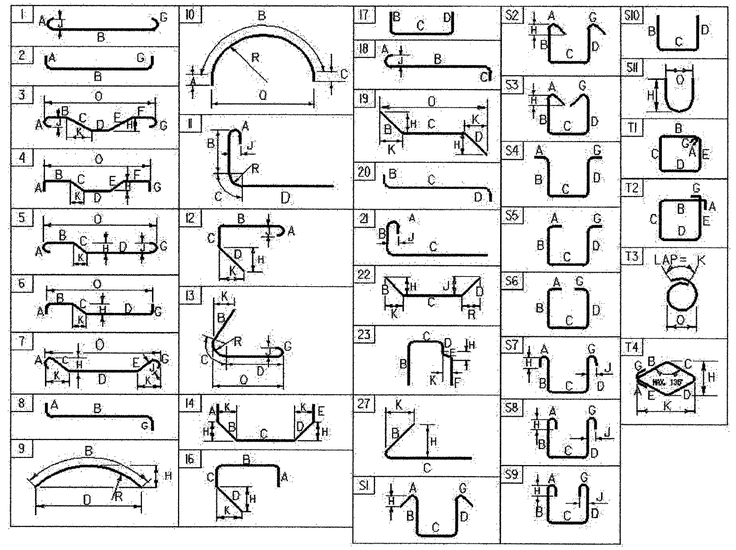
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
88 N DECK																	
✳	1353	5	24'- 6"	4S501	STR												
	370	5	35'- 2"	4S502	STR												
✳	51	5	5'- 0"	4S503	STR		(USE 6 PIECES FOR WINGWALLS)										
	468	5	5'- 7"	4S504	S5	0'- 10"	1'- 3"	1'- 5"	1'- 3"			0'- 10"					
	46	5	5'- 1"	4S505	S5	0'- 10"	0'- 7"	2'- 3"	0'- 7"			0'- 10"					
	46	5	4'- 5"	4S506	S5	0'- 10"	0'- 7"	1'- 7"	0'- 7"			0'- 10"					
✳	211	6	35'- 6"	4S601	STR												
✳	85	6	31'- 9"	4S602	STR												
APPROACH SLAB NO. 7																	
✳	43	5	22'- 7"	7AS501	STR												
	53	9	20'- 9"	7AS901	1	1'- 3"	19'- 6"					---					
APPROACH SLAB NO. 8																	
	42	5	22'- 7"	8AS501	STR												
✳	54	9	20'- 9"	8AS901	1	1'- 3"	19'- 6"					---					
ABUTMENT NO. 7																	
✳	11	5	20'- 4"	7A501A	STR												
	10	5	24'- 10"	7A501B	STR												
	16	5	22'- 2"	7A502A	STR												
	16	5	27'- 0"	7A502B	STR												
	96	5	3'- 7"	7A503	STR												
▲	44	5	22'- 1"	7A504	S10		10'- 3"	1'- 7"	10'- 3"								
	48	5	6'- 2"	7A505	S10		2'- 10"	0'- 6"	2'- 10"								
	115	8	3'- 0"	7A801	STR												
	22	8	3'- 0"	7A802	19		1'- 0"	2'- 0"	---								
WINGWALL NO. 13																	
▲	14	5	15'- 6"	13W502	STR												
✳	32	5	5'- 1"	13W504	STR												
	16	5	8'- 8"	13W501	S10		3'- 10"	1'- 0"	3'- 10"								
	16	5	9'- 5"	13W503	16	3'- 2"	1'- 5"	3'- 4"	1'- 6"								
WINGWALL NO. 14																	
▲	14	5	7'- 6"	14W502	STR												
	15	5	5'- 1"	14W504	STR												
	8	5	8'- 8"	14W501	S10		3'- 10"	1'- 0"	3'- 10"								
	8	5	9'- 5"	14W503	16	3'- 2"	1'- 5"	3'- 4"	1'- 6"								
ABUTMENT NO. 8																	
	10	5	27'- 2"	8A501A	STR												
✳	11	5	17'- 10"	8A501B	STR												
	21	5	29'- 2"	8A502A	STR												
	21	5	20'- 0"	8A502B	STR												
	96	5	3'- 9"	8A503	STR												
▲	44	5	22'- 5"	8A504	S10		10'- 4"	1'- 9"	10'- 4"								
	48	5	8'- 9"	8A505	S10		4'- 0"	0'- 9"	4'- 0"								
	115	8	3'- 0"	8A801	STR												
	22	8	3'- 0"	8A802	19		1'- 0"	2'- 0"	---								
WINGWALL NO. 15																	
▲	14	5	16'- 4"	15W502	STR												
	31	5	4'- 11"	15W504	STR												
	17	5	8'- 4"	15W501	S10		3'- 8"	1'- 0"	3'- 8"								
	17	5	9'- 2"	15W503	16	3'- 2"	1'- 5"	3'- 1"	1'- 6"								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
WINGWALL NO. 16																	
▲	14	5	8'- 4"	16W502	STR												
✳	16	5	5'- 2"	16W504	STR												
	9	5	8'- 8"	16W501	S10		3'- 10"	1'- 0"	3'- 10"								
	9	5	9'- 4"	16W503	16	3'- 2"	1'- 5"	3'- 4"	1'- 6"								
PIER NO. 3																	
✳ ▲	11	5	33'- 8"	3P501	STR												
▲	13	5	3'- 6"	3P502	STR												
	84	5	4'- 6"	3P503	S10		1'- 0"	2'- 6"	1'- 0"								
✳	9	8	27'- 2"	3P801	STR												
✳	21	10	14'- 0"	3P1001	STR												
PIER NO. 4																	
▲	10	5	33'- 8"	4P501	STR												
▲	13	5	3'- 6"	4P502	STR												
	84	5	4'- 6"	4P503	S10		1'- 0"	2'- 6"	1'- 0"								
	8	8	27'- 2"	4P801	STR												
	20	10	14'- 0"	4P1001	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

ALL STEEL DETAILED ON THIS SHEET TO BE EPOXY COATED

BR454

PROJECT NAME:	FAIRFAX-FAIRFIELD-ST. ALBANS		
PROJECT NUMBER:	IM 089 - 3 (27)		
FILE NAME:	\96a056\structures	PLOT DATE:	9/20/00
PROJECT LEADER:	R. R. WHITCOMB	DRAWN BY:	P. PERRY
DESIGNED BY:	P. PERRY	CHECKED BY:	G. ROY
BRIDGE 88N REINFORCING STEEL SCHEDULE		SHEET	206 OF 370