STATE OF VERMONT
AGENCY OF TRANSPORTATION

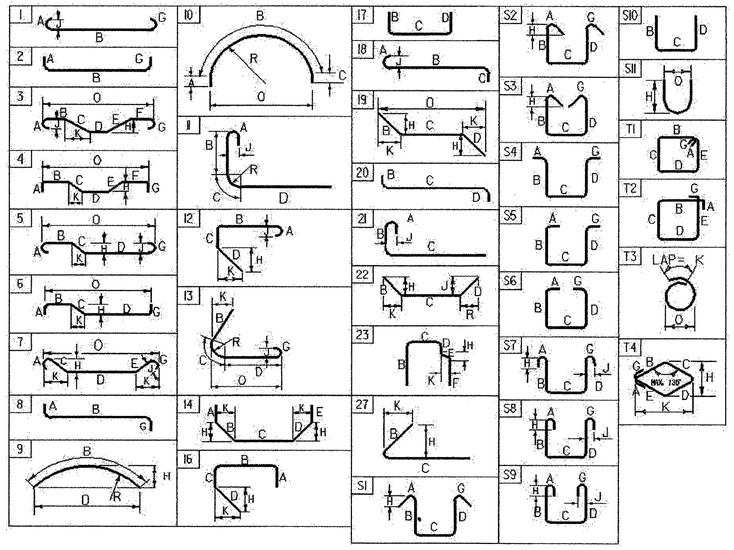
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
87 N DECK																	
	342	5	28'- 10"	2S501	STR												
✳	311	5	21'- 4"	2S502	STR												
▲	8	5	36'- 5"	2S503	STR												
✳ ▲	49	5	21'- 6"	2S504	STR												
	30	5	5'- 0"	2S508	STR	(USE 8 PIECES FOR WINGWALLS @ 2 EACH PER WINGWALL)											
	232	5	6'- 3"	2S505	S5	1'- 0"	1'- 5"	1'- 5"	1'- 5"			1'- 0"					
	64	5	9'- 10"	2S506	S5	0'- 10"	3'- 10"	0'- 9"	3'- 7"			0'- 10"					
	74	5	5'- 7"	2S507	16	1'- 0"	1'- 9"	0'- 7"	2'- 3"								
✳	311	6	21'- 7"	2S601	STR												
✳ ▲	9	6	36'- 5"	2S602	STR												
	40	8	2'- 9"	2S801	19		1'- 0"	1'- 9"	----								
APPROACH SLAB NO. 3																	
✳	43	5	19'- 6"	3AS501	STR												
✳	46	9	20'- 9"	3AS901	1	1'- 3"	19'- 6"										
APPROACH SLAB NO. 4																	
✳	43	5	19'- 6"	4AS501	STR												
✳	46	9	20'- 9"	4AS901	1	1'- 3"	19'- 6"										
ABUTMENT NO. 3																	
	24	5	23'- 6"	3A501	STR												
	45	5	6'- 0"	3A502	STR												
✳ ▲	49	5	5'- 6"	3A503	STR												
	10	5	18'- 2"	3A505A	STR												
	10	5	24'- 10"	3A505B	STR												
▲	38	5	9'- 4"	3A504	17		5'- 6"	3'- 10"	----								
	21	5	6'- 2"	3A506	17		2'- 2"	1'- 10"	2'- 2"								
WINGWALL NO. 5																	
✳	15	5	8'- 0"	5W501	STR												
	10	5	3'- 11"	5W502	STR												
▲	29	5	7'- 10"	5W503	STR												
▲	22	5	15'- 6"	5W504	STR												
	21	5	7'- 5"	5W505	17		3'- 0"	1'- 5"	3'- 0"								
	2	5	10'- 10"	5W506	22		2'- 2"	6'- 6"	2'- 2"				1'- 11"	1'- 11"	1'- 0"	1'- 0"	
	4	5	4'- 4"	5W507	27		2'- 2"	2'- 2"					2'- 2"		0'- 3"		
	4	5	11'- 2"	5W508	22		2'- 2"	7'- 0"	2'- 0"				1'- 8"	1'- 8"	1'- 5"	1'- 5"	
✳	7	7	7'- 3"	5W701	STR												
	8	7	9'- 11"	5W702	17		6'- 4"	3'- 7"	----								
WINGWALL NO. 6																	
	14	5	9'- 6"	6W501	STR												
	11	5	3'- 11"	6W502	STR												
▲	33	5	8'- 6"	6W503	STR												
▲	24	5	16'- 6"	6W504	STR												
	22	5	7'- 5"	6W505	17		3'- 0"	1'- 5"	3'- 0"								
	2	5	10'- 10"	6W506	22		2'- 2"	6'- 6"	2'- 2"				1'- 11"	1'- 11"	1'- 0"	1'- 0"	
	5	5	4'- 4"	6W507	19		2'- 2"	2'- 2"	----				2'- 2"		0'- 3"		
	5	5	12'- 2"	6W508	22		2'- 2"	7'- 10"	2'- 2"				1'- 5"	1'- 5"	1'- 8"	1'- 8"	
✳	9	7	7'- 3"	6W701	STR												
	10	7	9'- 11"	6W702	17		6'- 4"	3'- 7"	----								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 4																	
	24	5	23'- 7"	4A501	STR												
	45	5	6'- 0"	4A502	STR												
✳ ▲	49	5	5'- 0"	4A503	STR												
	10	5	27'- 0"	4A505A	STR												
	10	5	16'- 0"	4A505B	STR												
▲	38	5	8'- 10"	4A504	17		5'- 0"	3'- 10"	----								
	21	5	6'- 2"	4A506	17		2'- 2"	1'- 10"	2'- 2"								
WINGWALL NO. 7																	
	14	5	10'- 6"	7W501	STR												
	12	5	3'- 11"	7W502	STR												
✳ ▲	36	5	7'- 9"	7W503	STR												
▲	22	5	17'- 6"	7W504	STR												
	23	5	7'- 5"	7W505	17		3'- 0"	1'- 5"	3'- 0"								
	2	5	10'- 10"	7W506	22		2'- 2"	6'- 6"	2'- 2"				1'- 11"	1'- 11"	1'- 0"	1'- 0"	
	4	5	4'- 4"	7W507	19		2'- 2"	2'- 2"	----				2'- 2"		0'- 3"		
	4	5	12'- 2"	7W508	22		2'- 2"	7'- 10"	2'- 2"				1'- 5"	1'- 5"	1'- 8"	1'- 8"	
✳	10	7	7'- 3"	7W701	STR												
	11	7	9'- 11"	7W702	17		6'- 4"	3'- 7"	----								
WINGWALL NO. 8																	
	14	5	9'- 3"	8W501	STR												
	11	5	3'- 11"	8W502	STR												
▲	31	5	8'- 4"	8W503	STR												
▲	24	5	16'- 6"	8W504	STR												
	22	5	7'- 5"	8W505	17		3'- 0"	1'- 5"	3'- 0"								
	2	5	10'- 10"	8W506	22		2'- 2"	6'- 6"	2'- 2"				1'- 11"	1'- 11"	1'- 0"	1'- 0"	
	4	5	4'- 4"	8W507	27		2'- 2"	2'- 2"					2'- 2"		0'- 3"		
	4	5	11'- 4"	8W508	22		2'- 2"	7'- 0"	2'- 2"				1'- 8"	1'- 8"	1'- 5"	1'- 5"	
✳	8	7	7'- 3"	8W701	STR												
	9	7	9'- 11"	8W702	17		6'- 4"	3'- 7"	----								

~ 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

BR229

PROJECT NAME: FAIRFAX-FAIRFIELD-ST. ALBANS
PROJECT NUMBER: IM 089 - 3 (27)

FILE NAME: \96a056\structures
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: M. LOZIER
BRIDGE 87N REINFORCING STEEL SCHEDULE

PLOT DATE: 9/20/00
DRAWN BY: G. ROY
CHECKED BY: P. PERRY
SHEET 107 OF 370