STATE OF VERMONT
AGENCY OF TRANSPORTATION

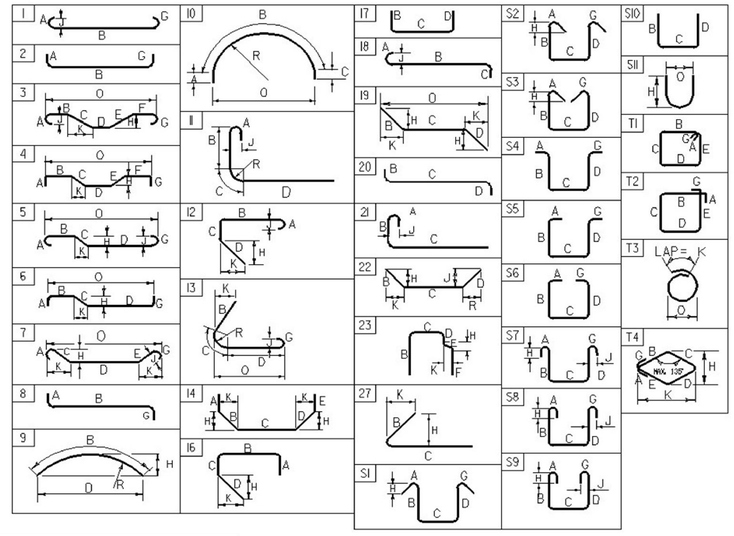
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
	407	5	28'- 7"	S0501.2	STR												
	75	5	48'- 0"	S0502.2	STR			STAGGER SPLICES									
	38	5	5'- 4"	S0503.2	STR												
✳	2	5	10'- 0"	S0504.2	STR												
	2	5	19'- 3"	S0505.2	9		19'- 3"						0'- 6"			86'- 4"	19'- 1"
	59	5	7'- 8"	S0506.2	19		0'- 0"	6'- 11"	0'- 0"				0'- 9"		0'- 9"		7'- 8"
	75	5	40'- 0"	S0507.2	STR			STAGGER SPLICES									
✳	48	6	48'- 0"	S0601.2	STR												
✳	434	7	4'- 8"	S0701.2	1	0'- 5"	4'- 3"					0'- 0"		0'- 10"			
	50	7	6'- 7"	S0702.2	1	0'- 5"	5'- 4"					0'- 0"		0'- 10"			
✳	26	8	10'- 0"	S0801.2	STR												
	24	8	20'- 0"	S0802.2	STR												
✳	60	9	9'- 0"	S0901.2	17		4'- 6"	4'- 6"	0'- 0"								
	APPROACH SLAB #1																
	1	5	46'- 0"	EAS0501	STR												
	1	5	45'- 8"	EAS0502	STR												
	1	5	↑	EAS0503	STR												
	1	5		EAS0504	STR												
	1	5		EAS0505	STR												
	1	5		EAS0506	STR												
	1	5		EAS0507	STR												
	1	5		EAS0508	STR			VARIES AT EQUAL SPACING									
	1	5		EAS0509	STR												
	1	5		EAS0510	STR												
	1	5		EAS0511	STR												
	1	5		EAS0512	STR												
	1	5		EAS0513	STR												
	1	5		EAS0514	STR												
	1	5		EAS0515	STR												
	1	5	↓	EAS0516	STR												
✳	1	5	29'- 2"	EAS0517	STR												
	1	5	21'- 4"	EAS0518	22			20'- 10"	0'- 6"					0'- 4"		0'- 4"	
	1	5	16'- 0"	EAS0519	22		0'- 9"	15'- 3"					0'- 2"		0'- 8"		
	56	5	3'- 10"	EAS0520	1	0'- 7"	2'- 8"					0'- 7"		0'- 5"			
✳	1	9	6'- 2"	EAS0901	1	1'- 3"	4'- 11"					0'- 0"		1'- 0"			
	1	9	11'- 1"	EAS0902	1	1'- 3"	9'- 10"					0'- 0"		1'- 0"			
	1	9	16'- 1"	EAS0903	1	1'- 3"	14'- 10"					0'- 0"		1'- 0"			
	34	9	20'- 8"	EAS0904	1	1'- 3"	19'- 5"					0'- 0"		1'- 0"			
	1	9	20'- 0"	EAS0905	1	1'- 3"	18'- 9"					0'- 0"		1'- 0"			
	1	9	↑	EAS0906	1	1'- 3"	↑					0'- 0"		1'- 0"			
	1	9		EAS0907	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0908	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0909	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0910	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0911	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0912	1	1'- 3"		VARIES AT EQUAL SPACING				0'- 0"		1'- 0"			
	1	9		EAS0913	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0914	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0915	1	1'- 3"						0'- 0"		1'- 0"			
	1	9		EAS0916	1	1'- 3"						0'- 0"		1'- 0"			
	1	9	↓	EAS0917	1	1'- 3"	↓					0'- 0"		1'- 0"			
	1	9	3'- 5"	EAS0918	1	1'- 3"	2'- 2"					0'- 0"		1'- 0"			
	1	9	0'- 10"	EAS0919	STR		0'- 10"										
	5	9	21'- 8"	EAS0920	STR												
	17	9	15'- 11"	EAS0921	STR												
	APPROACH SLAB #2																
✳	20	5	24'- 11"	EAS0521	STR												
✳	33	9	19'- 5"	EAS0922	1	1'- 3"	19'- 5"					0'- 0"		1'- 0"			

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT #1 (AA)																
	ADDITIONAL STEEL FROM PIPE PENETRATION DETAIL NOT INCLUDED IN SCHEDULE																
✳	8	5	8'- 0"	AA0501.2	STR												
	37	5	9'- 4"	AA0502.2	2	3'- 4"	2'- 8"					3'- 4"					
	4	5	16'- 1"	AA0503.2	STR												
	2	5	12'- 11"	AA0504.2	STR												
	29	5	6'- 9"	AA0505.2	STR												
	4	5	7'- 5"	AA0506.2	STR												
	2	5	7'- 2"	AA0507.2	STR												
✳	90	6	15'- 8"	EAA0601	2	6'- 6"	2'- 8"					6'- 6"					
✳	9	7	39'- 9"	EAA0701	STR												
✳	3	7	39'- 9"	AA0702.2	19		29'- 11"	9'- 10"	0'- 0"					1'- 0"	28'- 8"		38'- 6"
✳	10	8	11'- 10"	EAA0801	STR												
	5	8	19'- 7"	EAA0802	STR												
▲	5	8	17'- 9"	EAA0803	STR												
	2	8	33'- 5"	EAA0804	STR												
	4	9	30'- 0"	EAA0901	STR												
✳	4	9	17'- 8"	EAA0902	STR												
✳	8	9	8'- 0"	AA0903.2	STR												
	29	9	6'- 9"	AA0904.2	STR												
	9	10	30'- 0"	AA1001.2	STR												
✳	9	10	20'- 4"	AA1002.2	19		10'- 6"	9'- 10"	0'- 0"					0'- 4"	10'- 6"		20'- 4"
	19	10	30'- 0"	EAA1003	STR												
✳	19	10	19'- 2"	EAA1004	STR												
	ABUTMENT #2 (AB)																
	ADDITIONAL STEEL FROM PIPE PENETRATION DETAIL NOT INCLUDED IN SCHEDULE																
	35	5	9'- 4"	AB0501.2	2	3'- 4"	2'- 8"					3'- 4"					
✳	21	5	6'- 10"	AB0502.2	STR												
	11	5	8'- 1"	AB0503.2	STR												
	72	6	14'- 4"	EAB0601	2	5'- 10"	2'- 8"					5'- 10"					
	3	6	35'- 8"	AB0602.2	6	0'- 0"	5'- 0"	26'- 8"	4'- 0"			0'- 0"	1'- 0"		26'- 7"		35'- 7"
	6	6	35'- 8"	EAB0603	STR												
✳	4	6	8'- 1"	AB0604.2	STR												
	2	6	4'- 11"	AB0605.2	STR												
	4	6	8'- 3"	AB0606.2	STR												
	2	6	5'- 1"	AB0607.2	STR												
	2	8	35'- 8"	EAB0801	STR												
	10	8	11'- 10"	EAB0802	STR												
	5	8	13'- 6"	EAB0803	STR												
✳	3	8	13'- 0"	EAB0804	STR												
✳	4	8	35'- 8"	AB0805.2	6	0'- 0"	5'- 0"	26'- 8"	4'- 0"			0'- 0"	1'- 0"		26'- 7"		35'- 7"
	6	8	35'- 8"	EAB0806	STR												
✳	4	9	35'- 8"	EAB0901	STR												
✳	27	9	6'- 10"	AB0902.2	STR												
	11	9	8'- 1"	AB0903.2	STR												
✳	2	10	35'- 8"	AB1001.2	STR												
	WINGWALL (WW2)																
	10	5	9'- 4"	SW0501.2	2	3'- 4"	2'- 8"					3'- 4"					
✳	10	5	8'- 0"	SW0502.2	STR												
	20	6	15'- 8"	ESW0601	2	6'- 6"	2'- 8"					6'- 6"					
	4	6	8'- 8"	SW0602.2	STR												
	10	6	8'- 8"	ESW0602	STR												
✳	10	7	8'- 0"	SW0701.2	STR												
✳	8	8	8'- 8"	SW0801.2	STR												
	20	8	8'- 8"	ESW0801	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 BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.
12. .2 IN BAR MARK SUFFIX DENOTES LEVEL II CORROSION RESISTANCE.



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

PROJECT NAME:	**BRISTOL**
PROJECT NUMBER:	**BRO 1445(32)**
FILE NAME: **s05j352reinf.dgn**	PLOT DATE: **2/28/2013**
PROJECT LEADER: **J. LACROIX**	DRAWN BY: **A. SAUNDERS**
DESIGNED BY: **J. OLIN/ A. SAUNDERS**	CHECKED BY: **J. OLIN**
REINFORCING STEEL SCHEDULE SHEET #1	SHEET **43** OF **66**