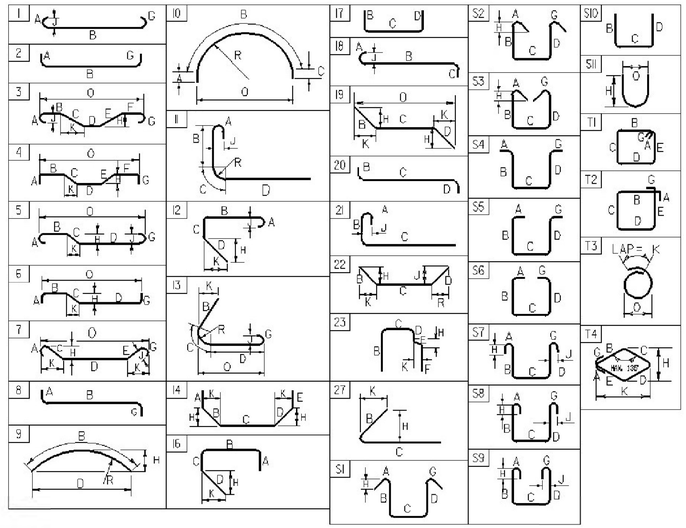
STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 1																	
	22	5	21'- 6"	1A501	STR												
	38	5	6'- 8"	1A502	17		---	5'- 9"	0'- 11"								
	31	5	4'- 4"	1A503	STR												
	31	5	5'- 11"	1A504	STR												
	32	5	19'- 6"	1A505	STR												
	37	5	7'- 4"	1A506	S10		2'- 8"	2'- 0"	2'- 8"								
	8	5	4'- 0"	1A507	22		2'- 0"	2'- 0"	---				1'- 9"	---	1'- 0"	---	
	8	5	8'- 10"	1A508	22		2'- 0"	4'- 10"	2'- 0"				1'- 9"	1'- 9"	1'- 0"	1'- 0"	
	3	5	4'- 6"	1A509	22		2'- 0"	2'- 6"	---				1'- 9"	---	1'- 0"	---	
	3	5	5'- 4"	1A510	22		2'- 0"	3'- 4"	---				1'- 9"	---	1'- 0"	---	
	8	5	12'- 8"	1A511	22		2'- 0"	8'- 8"	2'- 0"				1'- 0"	1'- 0"	1'- 9"	1'- 9"	
	8	5	4'- 0"	1A512	22		2'- 0"	2'- 0"	---				1'- 10"	---	1'- 0"	---	
	4	5	4'- 9"	1A513	22		---	2'- 9"	2'- 0"				---	1'- 9"	---	1'- 0"	
	4	5	5'- 2"	1A514	22		---	3'- 2"	2'- 0"				---	1'- 9"	---	1'- 0"	
	7	5	7'- 10"	1A515	STR												
	5	5	9'- 5"	1A516	STR												
	2	5	6'- 7"	1A517	STR												
	3	5	5'- 11"	1A518	STR												
	33	6	7'- 0"	1A601	STR												
	41	6	6'- 1"	1A602	17		---	4'- 3"	1'- 10"								
	67	8	3'- 6"	1A801	STR												
ABUTMENT NO. 2																	
	22	5	21'- 0"	2A501	STR												
	38	5	6'- 8"	2A502	17		---	5'- 9"	0'- 11"								
	31	5	5'- 0"	2A503	STR												
	31	5	6'- 6"	2A504	STR												
	32	5	19'- 6"	2A505	STR												
	37	5	7'- 4"	2A506	S10		2'- 8"	2'- 0"	2'- 8"								
	8	5	4'- 0"	2A507	22		2'- 0"	2'- 0"	---				1'- 9"	---	1'- 0"	---	
	8	5	8'- 10"	2A508	22		2'- 0"	4'- 10"	2'- 0"				1'- 9"	1'- 9"	1'- 0"	1'- 0"	
	4	5	4'- 6"	2A509	22		2'- 0"	2'- 6"	---				1'- 9"	---	1'- 0"	---	
	4	5	5'- 4"	2A510	22		2'- 0"	3'- 4"	---				1'- 9"	---	1'- 9"	---	
	8	5	12'- 8"	2A511	22		2'- 0"	8'- 8"	2'- 0"				1'- 0"	1'- 0"	1'- 9"	1'- 9"	
	8	5	4'- 0"	2A512	22		2'- 0"	2'- 0"	---				1'- 10"	---	1'- 0"	---	
	3	5	4'- 9"	2A513	22		---	2'- 9"	2'- 0"				---	1'- 9"	---	1'- 0"	
	3	5	5'- 2"	2A514	22		---	3'- 2"	2'- 0"				---	1'- 9"	---	1'- 0"	
	7	5	8'- 6"	2A515	STR												
	5	5	10'- 0"	2A516	STR												
	2	5	6'- 6"	2A517	STR												
	3	5	7'- 2"	2A518	STR												
	33	6	7'- 0"	2A601	STR												
	41	6	6'- 1"	2A602	17		---	4'- 3"	1'- 10"								
	41	8	3'- 6"	2A801	STR												
WINGWALL NO. 1																	
	39	5	35'- 2"	1W501	STR												
	96	5	5'- 9"	1W502	17		---	3'- 9"	2'- 0"								
	96	5	9'- 10"	1W503	STR												
	96	5	9'- 2"	1W504	STR												
	60	5	33'- 5"	1W505	STR												
	96	5	4'- 9"	1W506	S10		2'- 0"	0'- 9"	2'- 0"								
	98	6	9'- 0"	1W601	STR												
	96	6	5'- 6"	1W602	17		---	4'- 6"	1'- 0"								
WINGWALL NO. 2																	
▲	10	5	13'- 4"	2W501	STR												
	11	5	4'- 8"	2W502	17		---	3'- 9"	1'- 0"								
	11	5	9'- 7"	2W503	STR												
	9	5	7'- 7"	2W504	STR												
	20	5	10'- 8"	2W505	STR												
	11	5	5'- 5"	2W506	S10		2'- 4"	0'- 9"	2'- 4"								
	11	6	7'- 0"	2W601	STR												
	9	7	6'- 11"	2W701	17		---	5'- 9"	1'- 2"								
WINGWALL NO. 3																	
	20	5	20'- 11"	3W501	STR												
	42	5	4'- 9"	3W502	17		---	3'- 9"	1'- 0"								
	42	5	10'- 6"	3W503	STR												
	39	5	8'- 6"	3W504	STR												
	22	5	40'- 8"	3W505	STR												
	42	5	5'- 7"	3W506	S10		2'- 5"	0'- 9"	2'- 5"								
▲	42	6	7'- 0"	3W601	STR												
	39	7	6'- 11"	3W701	17		---	5'- 9"	1'- 2"								
WINGWALL NO. 4																	
	10	5	15'- 7"	4W501	STR												
	15	5	4'- 9"	4W502	17		---	3'- 9"	1'- 0"								
	15	5	10'- 6"	4W503	STR												
	13	5	8'- 6"	4W504	STR												
	22	5	14'- 8"	4W505	STR												
	15	5	4'- 11"	4W506	S10		2'- 1"	0'- 9"	2'- 1"								
	16	6	7'- 0"	4W601	STR												
	13	7	6'- 11"	4W701	17		---	5'- 9"	1'- 2"								

~ 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.



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: **CORINTH**
PROJECT NUMBER: **BRO 1447(29)**

FILE NAME:
PROJECT MANAGER: **M. Chenette**
DESIGNED BY: **M. Chenette**
REINFORCING STEEL SCHEDULE

PLOT DATE: **7/7/2014**
DRAWN BY: **L. Buxton**
CHECKED BY: **J. Hungerford**
SHEET 42 OF 57