STATE OF VERMONT
AGENCY OF TRANSPORTATION

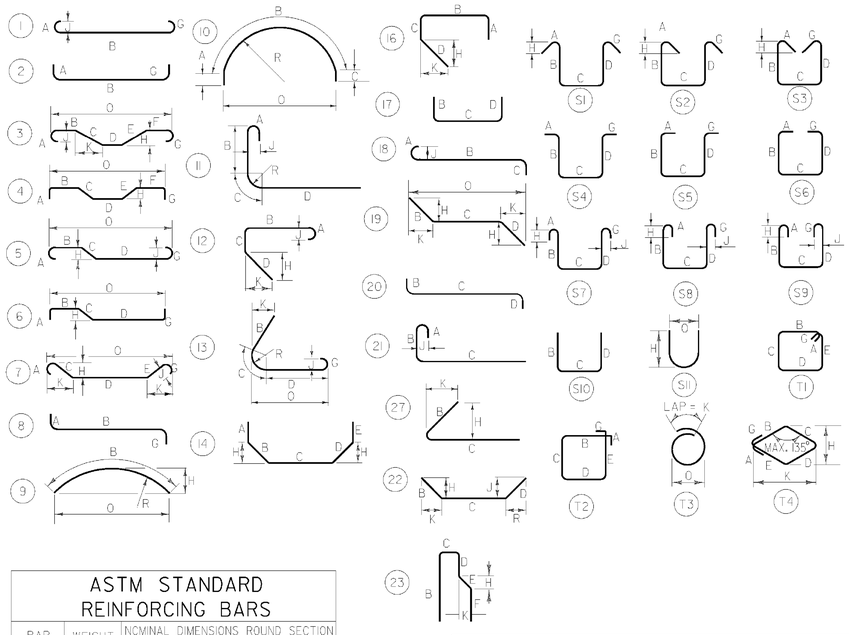
REINFORCING STEEL SCHEDULE

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
APPROACH SLAB #1																	
	52	5	20'-6"	1EAS501	STR												
	52	9	25'-9"	1EAS901	1	1'-3"	24'-6"					-					
APPROACH SLAB #2																	
	52	5	28'-0"	2EAS501	STR												
	72	9	25'-9"	2EAS901	1	1'-3"	24'-6"					-					
DECK																	
⚠ ▲	694	5	34'-7"~~8~~	ES501	STR												
⚠ ▲	646	5	35'-9"~~8~~	ES502	1	0'-7"	34'-7"					0'-7"					
⚠ †▲	48	5	35'-2"	ES503	1	0'-7"	34'-7"					-					
⚠	810	5	38~~9~~-6~~3~~	ES504	STR												
	465	5	5'-11"	ES505	S5	0'-10"	1'-5"	1'-5"	1'-5"			0'-10"					
	92	5	5'-7"	ES506	S5	0'-10"	0'-10"	2'-3"	0'-10"			0'-10"					
▲	5	5	44'-5"	ES507	STR												
▲	10	5	31'-6"	ES508	STR												
	448	5	5'-7"	ES509	S5	0'-10"	1'-3"	1'-5"	1'-3"			0'-10"					
	93	6	40'-0"	ES601	STR												
△	95	6	23'-0"	ES602	STR												
ABUTMENT #1																	
	86	5	5'-9"	1A501	STR.												
	60	5	4'-6"	1A502	STR.												
				1A503		THIS MARK IS NOT USED											
	28	5	25'-0"	1A504	STR.												
	12	5	15'-3"	1A505	STR.												
▲	12	5	17'-2"	1A506	STR.												
	2	5	4'-8"	1A507	STR.												
	2	5	3'-7"	1A508	STR.												
	2	5	2'-6"	1A509	STR.												
	2	5	1'-5"	1A510	STR.												
▲	139	5	4'-1"	1A511	17	10"	3'-3"	-									
* ▲	44	5	6'-2"	1A512	STR.												
	6	5	16'-2"	1A513	STR.												
	10	5	30'-2"	1A514	STR.												
	15	5	11'-9"	1A515	STR.												
▲	5	5	10'-0"	1A516	STR.												
	14	5	4'-0"	1A517	19	2'-0"	2'-0"						1'-7"		1'-3"		
	10	5	4'-0"	1A518	27	2'-0"	2'-0"						1'-6"		1'-3"		
	17	5	6'-11"	1A519	17	-	4'-3"	2'-8"									
	20	5	5'-9"	1A520	17	-	4'-3"	1'-6"									
	8	5	5'-3"	1A521	17	-	4'-3"	1'-0"									
	45	5	3'-0"	1A522	STR.												
	43	5	5'-3"	1A523	17	2'-8"	1'-9"	10"									
	45	5	8'-9"	1A5E24	17	4'-0"	9"	4'-0"									
	9	5	18'-5"	1A525	STR.												
	9	5	28'-3"	1A526	STR.												
	3	5	18'-5"	1EA527	STR.												
	3	5	28'-3"	1EA528	STR.												
△	21	8	3'-1"	1EA801	STR.												

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT #2																	
	114	5	5'-9"	2A501	STR.												
	30	5	4'-6"	2A502	STR.												
	22	5	5'-1"	2A503	STR.												
	28	5	33'-0"	2A504	STR.												
	12	5	14'-9"	2A505	STR.												
▲	12	5	17'-1"	2A506	STR.												
	2	5	5'-0"	2A507	STR.												
	2	5	4'-4"	2A508	STR.												
	2	5	3'-7"	2A509	STR.												
	2	5	2'-11"	2A510	STR.												
▲	2	5	2'-2"	2A511	STR.												
▲	164	5	4'-1"	2A512	17	10"	3'-3"	-									
* ▲	55	5	6'-9"	2A513	STR.												
	8	5	23'-6"	2A514	STR.												
▲	8	5	24'-8"	2A515	STR.												
	15	5	15'-5"	2A516	STR.												
▲	5	5	11'-7"	2A517	STR.												
	10	5	4'-0"	2A518	19	2'-0"	2'-0"						1'-1"		1'-8"		
	14	5	4'-0"	2A519	27	2'-0"	2'-0"						1'-2"		1'-7"		
	9	5	5'-2"	2A520	17	11"	4'-3"										
	27	5	6'-0"	2A521	17	1'-9"	4'-3"										
	25	5	7'-5"	2A522	17	3'-2"	4'-3"										
	61	5	3'-0"	2A523	STR.												
	59	5	5'-1"	2A524	17	10"	1'-9"	2'-6"									
	61	5	9'-9"	2EA525	17	4'-6"	9"	4'-6"									
	12	5	22'-0"	2A526	STR.												
▲	6	5	21'-3"	2A527	STR.												
	6	5	22'-0"	2EA528	STR.												
	3	5	21'-3"	2EA529	STR.												
△	29	8	3'-1"	2EA801	STR.												
WINGWALL #1																	
	19	5	5'-5"	1W501	STR.												
	4	5	4'-7"	1W502	STR.												
*	18	5	7'-10"	1EW503	17	3'-2"	1'-6"	3'-2"									
	2	5	14'-11"	1W504	STR.												
	2	5	13'-10"	1W505	STR.												
	4	5	11'-11"	1W506	STR.												
	4	5	10'-7"	1W507	STR.												
	2	5	11'-4"	1EW508	STR.												
	3	5	10'-2"	1EW509	STR.												
WINGWALL #2																	
*	21	5	8'-0"	2W501	STR.												
	4	5	7'-5"	2W502	STR.												
	3	5	3'-4"	2W503	STR.												
*	17	5	7'-10"	2EW504	17	3'-2"	1'-6"	3'-2"									
	8	5	14'-1"	2W505	STR.												
	8	5	11'-0"	2W506	STR.												
	5	5	10'-7"	2EW507	STR.												
WINGWALL #3																	
*	19	5	5'-3"	3W501	STR.												
	3	5	4'-6"	3W502	STR.												
*	14	5	8'-2"	3EW503	17	3'-4"	1'-6"	3'-4"									
	4	5	13'-6"	3W504	STR.												
	8	5	8'-11"	3W505	STR.												
	5	5	8'-6"	3EW506	STR.												
WINGWALL #4																	
	13	5	8'-3"	4W501	STR.												
	6	5	7'-10"	4W502	STR.												
	5	5	3'-9"	4W503	STR.												
*	15	5	7'-10"	4EW504	17	3'-2"	1'-6"	3'-2"									
	5	5	13'-6"	4W505	STR.												
	5	5	11'-5"	4W506	STR.												
	4	5	9'-5"	4W507	STR.												
	4	5	7'-2"	4W508	STR.												
	2	5	8'-9"	4EW509	STR.												
	3	5	6'-7"	4EW510	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 "SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31(ASTM A 615-91). 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.
12. † DENOTES USE CUTOFF PORTION FOR TESTING PURPOSES.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.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

Stantec

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of PUTNEY	Bridge No. 19A
Highway No.	Log Sta.
	Surv. Sta.
U.S. ROUTE 5 OVER I-91	
REINFORCING STEEL SCHEDULE	
Designed By T. KNIGHT	Drawn By R. WALKER
Checked By Date D. HARRINGTON 07/09	Bridge Design Supervisor G. BOGUE Date 06/09
PROJECT PUTNEY	PROJECT NO. IM 091-1(31)
CAD Dwg: ...\Plot Files\47 z93a148rss.ptf	Plot Date: 7/8/2009
Bridge Sheet No.	Sheet 47 of 75