


2016 ROAD & BRIDGE STANDARDS

BCW-22

WING	STEM BAR SPACINGS												WV1						WV2					
	WV1		WV2		WV3		WV4		WH1		WH2		SIZE	α			LENGTH			SIZE	LENGTH			
	O	P	Q	R	S	T	U	V	W	X	Y	Z		FROM	TO	VARY BY	FROM	TO	VARY BY		FROM	TO	VARY BY	
A	8	8'-0"	6	7'-6"	-	-	-	-	-	-	1	1'-3"	4	4'-11"	2'-3"	0'-4"	6'-10"	4'-1"	0'-4"	4	4'-11"	2'-5"	0'-5"	
B	10	10'-0"	8	10'-0"	-	-	-	-	1	0'-6"	1	1'-3"	4	5'-5"	2'-1"	0'-4"	7'-4"	3'-11"	0'-4"	4	5'-5"	2'-1"	0'-5"	
C	11	11'-0"	8	10'-0"	-	-	-	-	-	-	2	2'-6"	4	5'-11"	2'-1"	0'-4 1/8"	7'-10"	4'-0"	0'-4 1/8"	4	5'-11"	2'-5"	0'-5 1/4"	
D	12	12'-0"	10	12'-6"	-	-	-	-	-	-	2	2'-6"	4	6'-5"	2'-3"	0'-4 1/8"	8'-4"	4'-2"	0'-4 1/8"	4	6'-5"	2'-1"	0'-5 1/8"	
E	14	14'-0"	11	13'-9"	-	-	-	-	-	-	3	3'-9"	4	6'-11"	2'-1"	0'-4 1/8"	8'-10"	4'-0"	0'-4 1/8"	4	6'-11"	2'-2"	0'-5 1/8"	
F	15	15'-0"	12	15'-0"	-	-	-	-	-	-	3	3'-9"	4	7'-5"	2'-3"	0'-4 1/8"	9'-4"	4'-2"	0'-4 1/8"	4	7'-5"	2'-3"	0'-5 1/8"	
G	17	17'-0"	13	16'-3"	-	-	-	-	1	0'-6"	3	3'-9"	4	7'-11"	2'-1"	0'-4 1/8"	9'-10"	4'-0"	0'-4 1/8"	4	7'-11"	2'-4"	0'-5 1/8"	
H	18	18'-0"	14	17'-6"	-	-	-	-	-	-	4	5'-0"	4	8'-5"	2'-3"	0'-4"	10'-4"	4'-2"	0'-4"	4	8'-5"	2'-5"	0'-5 1/8"	
I	12	12'-0"	15	18'-9"	8	6'-0"	-	-	-	-	4	5'-0"	4	6'-5"	2'-3"	0'-4 1/8"	8'-4"	4'-2"	0'-4 1/8"	4	8'-11"	2'-4"	0'-5 1/4"	
J	12	12'-0"	16	20'-0"	10	7'-6"	-	-	-	-	5	6'-3"	4	6'-5"	2'-3"	0'-4 1/8"	8'-4"	4'-2"	0'-4 1/8"	4	9'-5"	2'-5"	0'-5 1/4"	
K	13	13'-0"	18	22'-6"	11	8'-3"	-	-	-	-	5	6'-3"	4	6'-8"	2'-2"	0'-4 1/8"	8'-7"	4'-1"	0'-4 1/8"	4	9'-11"	2'-1"	0'-5 1/8"	
L	14	14'-0"	19	23'-9"	12	9'-0"	-	-	1	0'-6"	5	6'-3"	4	6'-11"	2'-1"	0'-4 1/8"	8'-10"	4'-0"	0'-4 1/8"	4	10'-5"	2'-2"	0'-5 1/8"	
M	15	15'-0"	20	25'-0"	12	9'-0"	-	-	-	-	6	7'-6"	4	7'-5"	2'-3"	0'-4 1/8"	9'-4"	4'-2"	0'-4 1/8"	4	10'-11"	2'-3"	0'-5 1/8"	
N	16	16'-0"	21	26'-3"	13	9'-9"	-	-	-	-	6	7'-6"	5	7'-8"	2'-2"	0'-4 1/8"	9'-8"	4'-1"	0'-4 1/8"	4	11'-5"	2'-4"	0'-5 1/8"	
O	17	17'-0"	22	27'-6"	13	9'-9"	-	-	-	-	7	8'-9"	5	8'-2"	2'-2"	0'-4 1/8"	10'-1"	4'-1"	0'-4 1/8"	4	11'-11"	2'-3"	0'-5 1/4"	
P	18	18'-0"	23	28'-9"	14	10'-6"	-	-	-	-	7	8'-9"	5	8'-5"	2'-1"	0'-4 1/8"	10'-4"	4'-0"	0'-4 1/8"	4	12'-5"	2'-4"	0'-5 1/4"	
Q	18	18'-0"	24	30'-0"	16	12'-0"	-	-	1	0'-6"	7	8'-9"	5	8'-4"	2'-1"	0'-4 1/8"	10'-4"	4'-0"	0'-4 1/8"	4	12'-11"	2'-5"	0'-5 1/4"	
R	15	15'-0"	26	32'-6"	13	9'-9"	12	6'-0"	-	-	8	10'-0"	4	7'-4"	2'-1"	0'-4 1/8"	9'-2"	4'-0"	0'-4 1/8"	4	13'-5"	2'-1"	0'-5 1/8"	
S	15	15'-0"	27	33'-9"	13	9'-9"	15	7'-6"	-	-	8	10'-0"	4	7'-4"	2'-1"	0'-4 1/8"	9'-2"	4'-0"	0'-4 1/8"	4	13'-11"	2'-2"	0'-5 1/8"	
T	14	14'-0"	28	35'-0"	15	11'-3"	17	8'-6"	-	-	9	11'-3"	4	6'-11"	2'-1"	0'-4 1/8"	8'-10"	4'-0"	0'-4 1/8"	4	14'-5"	2'-3"	0'-5 1/8"	
U	14	14'-0"	29	36'-3"	17	12'-9"	16	8'-0"	-	-	9	11'-3"	4	7'-0"	2'-1"	0'-4 1/8"	8'-11"	4'-0"	0'-4 1/8"	4	14'-11"	2'-2"	0'-5 1/4"	
V	15	15'-0"	30	37'-6"	17	12'-9"	17	8'-6"	1	0'-6"	9	11'-3"	4	7'-4"	2'-1"	0'-4 1/8"	9'-3"	4'-0"	0'-4 1/8"	4	15'-5"	2'-3"	0'-5 1/4"	
W	15	15'-0"	31	38'-9"	19	14'-3"	17	8'-6"	-	-	10	12'-6"	4	7'-7"	2'-4"	0'-4 1/8"	9'-6"	4'-3"	0'-4 1/8"	4	16'-2"	2'-7"	0'-5 1/4"	
X	17	17'-0"	32	40'-0"	17	12'-9"	19	9'-6"	-	-	10	12'-6"	4	8'-6"	2'-7"	0'-4 1/8"	10'-5"	4'-6"	0'-4 1/8"	4	16'-11"	2'-11"	0'-5 1/4"	
Y	20	20'-0"	34	42'-6"	15	11'-3"	19	9'-6"	-	-	11	13'-9"	4	9'-7"	2'-7"	0'-4 1/8"	11'-5"	4'-6"	0'-4 1/8"	4	17'-5"	2'-7"	0'-5 1/8"	
Z	20	20'-0"	35	43'-9"	17	12'-9"	19	9'-6"	-	-	11	13'-9"	4	9'-7"	2'-7"	0'-4 1/8"	11'-5"	4'-6"	0'-4 1/8"	4	17'-11"	2'-8"	0'-5 1/8"	
AA	19	19'-0"	36	45'-0"	19	14'-3"	20	10'-0"	1	0'-6"	11	13'-9"	4	9'-3"	2'-7"	0'-4 1/8"	11'-2"	4'-6"	0'-4 1/8"	4	18'-5"	2'-7"	0'-5 1/4"	
BB	20	20'-0"	37	46'-3"	19	14'-3"	21	10'-6"	-	-	12	15'-0"	4	9'-7"	2'-7"	0'-4 1/8"	11'-6"	4'-6"	0'-4 1/8"	4	18'-11"	2'-8"	0'-5 1/4"	
CC	19	19'-0"	38	47'-6"	21	15'-9"	23	11'-6"	-	-	12	15'-0"	4	9'-3"	2'-7"	0'-4 1/8"	11'-2"	4'-6"	0'-4 1/8"	4	19'-5"	2'-9"	0'-5 1/4"	
DD	18	18'-0"	39	48'-9"	23	17'-3"	25	12'-6"	-	-	13	16'-3"	4	8'-10"	2'-7"	0'-4 1/8"	10'-9"	4'-6"	0'-4 1/8"	4	19'-11"	2'-10"	0'-5 1/4"	
EE	18	18'-0"	40	50'-0"	25	18'-9"	25	12'-6"	-	-	13	16'-3"	4	8'-10"	2'-7"	0'-4 1/8"	10'-9"	4'-6"	0'-4 1/8"	4	20'-5"	2'-11"	0'-5 1/4"	

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE

 ROAD AND BRIDGE STANDARDS		WING DETAILS 2:1 FILL SLOPE - TYPE II VIRGINIA DEPARTMENT OF TRANSPORTATION		SPECIFICATION REFERENCE	
SHEET 7 OF 8	REVISION DATE				
1007.15	07/12				