

2016 ROAD & BRIDGE STANDARDS

BCW-12

WING	STEM BAR SPACINGS												SIZE	WV1						SIZE	WV2		
	WV1		WV2		WV3		WV4		WH1		WH2			α			LENGTH				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	7	7'-0"	4	5'-0"	-	-	-	-	-	-	1	1'-3"	4	4'-11"	1'-8"	0'-5½"	6'-10"	3'-7"	0'-5½"	4	4'-11"	2'-7"	0'-7"
B	8	8'-0"	5	6'-3"	-	-	-	-	1	0'-6"	1	1'-3"	4	5'-5"	1'-8"	0'-5⅝"	7'-4"	3'-7"	0'-5⅝"	4	5'-5"	2'-6"	0'-7"
C	9	9'-0"	6	7'-6"	-	-	-	-	-	-	2	2'-6"	4	5'-11"	1'-8"	0'-5⅝"	7'-10"	3'-7"	0'-5⅝"	4	5'-11"	2'-4"	0'-7½"
D	10	10'-0"	7	8'-9"	-	-	-	-	-	-	2	2'-6"	4	6'-5"	1'-8"	0'-5⅝"	8'-4"	3'-7"	0'-5⅝"	4	6'-5"	2'-3"	0'-7½"
E	11	11'-0"	8	10'-0"	-	-	-	-	-	-	3	3'-9"	4	6'-11"	1'-8"	0'-5¾"	8'-10"	3'-7"	0'-5¾"	4	6'-11"	2'-1"	0'-7½"
F	12	12'-0"	8	10'-0"	-	-	-	-	-	-	3	3'-9"	4	7'-5"	1'-8"	0'-5¾"	9'-4"	3'-7"	0'-5¾"	4	7'-5"	2'-7"	0'-7½"
G	7	7'-0"	9	11'-3"	5	3'-9"	-	-	1	0'-6"	3	3'-9"	4	5'-7"	2'-3"	0'-5¾"	7'-6"	4'-2"	0'-5¾"	4	7'-11"	2'-6"	0'-7½"
H	8	8'-0"	10	12'-6"	6	4'-6"	-	-	-	-	4	5'-0"	4	5'-9"	2'-1"	0'-5½"	7'-9"	4'-0"	0'-5½"	4	8'-5"	2'-7"	0'-7"
I	6	6'-0"	11	13'-9"	8	6'-0"	12	6'-0"	-	-	4	5'-0"	4	2'-6"	1'-8"	0'-5⅝"	4'-4"	3'-7"	0'-5⅝"	4	8'-11"	2'-6"	0'-7"
J	6	6'-0"	12	15'-0"	8	6'-0"	12	6'-0"	-	-	5	6'-3"	4	2'-11"	1'-8"	0'-5⅝"	4'-10"	3'-7"	0'-5⅝"	4	9'-5"	2'-4"	0'-7"
K	6	6'-0"	13	16'-3"	8	6'-0"	12	6'-0"	-	-	5	6'-3"	4	3'-5"	1'-8"	0'-5⅝"	5'-4"	3'-7"	0'-5⅝"	4	9'-11"	2'-3"	0'-7"
L	6	6'-0"	14	17'-6"	8	6'-0"	12	6'-0"	1	0'-6"	5	6'-3"	4	3'-11"	1'-8"	0'-5⅝"	5'-10"	3'-7"	0'-5⅝"	4	10'-5"	2'-2"	0'-7"
M	6	6'-0"	14	17'-6"	8	6'-0"	12	6'-0"	-	-	6	7'-6"	4	4'-5"	1'-8"	0'-5⅝"	6'-3"	3'-7"	0'-5⅝"	4	10'-11"	2'-7"	0'-7½"
N	7	7'-0"	15	18'-9"	10	7'-6"	14	7'-0"	-	-	6	7'-6"	4	3'-8"	1'-8"	0'-5⅝"	5'-7"	3'-7"	0'-5⅝"	4	11'-5"	2'-6"	0'-7½"
O	7	7'-0"	16	20'-0"	10	7'-6"	14	7'-0"	-	-	7	8'-9"	4	4'-4"	1'-8"	0'-5½"	6'-3"	3'-7"	0'-5½"	4	11'-11"	2'-7"	0'-7"
P	8	8'-0"	17	21'-3"	11	8'-3"	16	8'-0"	-	-	7	8'-9"	4	4'-0"	1'-8"	0'-5½"	5'-11"	3'-7"	0'-5½"	4	12'-5"	2'-6"	0'-7"
Q	8	8'-0"	18	22'-6"	11	8'-3"	16	8'-0"	1	0'-6"	7	8'-9"	4	4'-6"	1'-8"	0'-5⅝"	6'-4"	3'-7"	0'-5⅝"	4	12'-11"	2'-4"	0'-7"
R	8	8'-0"	19	23'-9"	11	8'-3"	16	8'-0"	-	-	8	10'-0"	4	4'-11"	1'-8"	0'-5⅝"	6'-10"	3'-7"	0'-5⅝"	4	13'-5"	2'-3"	0'-7"
S	8	8'-0"	20	25'-0"	11	8'-3"	16	8'-0"	-	-	8	10'-0"	4	5'-8"	1'-11"	0'-5⅝"	7'-7"	3'-10"	0'-5⅝"	4	14'-2"	2'-4"	0'-7"
T	9	9'-0"	20	25'-0"	12	9'-0"	18	9'-0"	-	-	9	11'-3"	4	5'-7"	1'-8"	0'-5⅝"	7'-6"	3'-7"	0'-5⅝"	4	14'-11"	3'-1"	0'-7"
U	9	9'-0"	21	26'-3"	12	9'-0"	18	9'-0"	-	-	9	11'-3"	4	6'-1"	1'-9"	0'-5⅝"	7'-11"	3'-8"	0'-5⅝"	4	15'-5"	3'-0"	0'-7"
V	10	10'-0"	22	27'-6"	14	10'-6"	20	10'-0"	1	0'-6"	9	11'-3"	4	5'-4"	1'-8"	0'-5⅝"	7'-3"	3'-7"	0'-5⅝"	4	15'-11"	2'-10"	0'-7½"
W	10	10'-0"	23	28'-9"	14	10'-6"	20	10'-0"	-	-	10	12'-6"	4	5'-10"	1'-8"	0'-5⅝"	7'-9"	3'-7"	0'-5⅝"	4	16'-5"	2'-9"	0'-7½"
X	11	11'-0"	24	30'-0"	15	11'-3"	22	11'-0"	-	-	10	12'-6"	4	5'-8"	1'-8"	0'-5⅝"	7'-7"	3'-7"	0'-5⅝"	4	16'-11"	2'-10"	0'-7"
Y	11	11'-0"	25	31'-3"	15	11'-3"	22	11'-0"	-	-	11	13'-9"	4	6'-2"	1'-8"	0'-5⅝"	8'-0"	3'-7"	0'-5⅝"	4	17'-5"	2'-9"	0'-7"
Z	11	11'-0"	26	32'-6"	15	11'-3"	22	11'-0"	-	-	11	13'-9"	4	6'-7"	1'-8"	0'-5⅝"	8'-6"	3'-7"	0'-5⅝"	4	17'-11"	2'-7"	0'-7"
AA	11	11'-0"	26	32'-6"	15	11'-3"	22	11'-0"	1	0'-6"	11	13'-9"	4	7'-1"	1'-11"	0'-5⅝"	9'-0"	3'-10"	0'-5⅝"	4	18'-5"	3'-1"	0'-7"
BB	12	12'-0"	27	33'-9"	16	12'-0"	36	18'-0"	-	-	12	15'-0"	4	3'-11"	1'-8"	0'-5⅝"	5'-10"	3'-7"	0'-5⅝"	4	18'-11"	3'-0"	0'-7"
CC	12	12'-0"	28	35'-0"	16	12'-0"	36	18'-0"	-	-	12	15'-0"	4	4'-5"	1'-8"	0'-5⅝"	6'-3"	3'-7"	0'-5⅝"	4	19'-5"	2'-10"	0'-7"
DD	13	13'-0"	29	36'-3"	18	13'-6"	39	19'-6"	-	-	13	16'-3"	4	3'-5"	1'-8"	0'-5⅝"	5'-4"	3'-7"	0'-5⅝"	4	19'-11"	2'-9"	0'-7"
EE	13	13'-0"	30	37'-6"	18	13'-6"	39	19'-6"	-	-	13	16'-3"	4	4'-2"	1'-8"	0'-5⅝"	6'-0"	3'-7"	0'-5⅝"	4	20'-5"	2'-10"	0'-7"

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 ROAD AND BRIDGE STANDARDS		WING DETAILS 1½: 1 FILL SLOPE - TYPE II VIRGINIA DEPARTMENT OF TRANSPORTATION		SPECIFICATION REFERENCE
SHEET 7 OF 8	REVISION DATE			
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