


| WING | WF 1 | | | | WF 2 | | | | | | | WF 3 | | | | | | | |
|------|------|--------|--------|----|------|---------|--------|------------|---------|--------|------------|------|------|---------|--------|-----------|---------|--------|-----------|
| | SIZE | α | | Eα | SIZE | α | | | LENGTH | | | Eα | SIZE | α | | | LENGTH | | |
| | | FROM | TO | | | VARY BY | FROM | TO | VARY BY | FROM | TO | | | VARY BY | FROM | TO | VARY BY | | |
| A | 4 | 4'-5" | 5'-9" | 2 | 4 | 0'-8" | 5'-8" | - | 2'-0" | 7'-0" | - | 2 | 4 | 3'-4" | 2'-7" | 0'-2 3/8" | 4'-9" | 3'-11" | 0'-2 3/8" |
| B | 4 | 5'-5" | 6'-9" | 2 | 4 | 0'-11" | 6'-11" | - | 2'-3" | 8'-3" | - | 2 | 4 | 3'-5" | 2'-7" | 0'-2" | 4'-9" | 3'-11" | 0'-2" |
| C | 4 | 6'-5" | 7'-9" | 2 | 4 | 1'-2" | 8'-2" | - | 2'-6" | 9'-6" | - | 2 | 4 | 3'-5" | 2'-6" | 0'-1 5/8" | 4'-9" | 3'-11" | 0'-1 5/8" |
| D | 4 | 6'-5" | 7'-9" | 2 | 4 | 2'-2" | 7'-9" | - | 3'-7" | 9'-2" | - | 2 | 4 | 3'-7" | 2'-7" | 0'-2 1/8" | 5'-0" | 3'-11" | 0'-2 1/8" |
| E | 4 | 7'-5" | 8'-9" | 2 | 4 | 3'-5" | 3'-5" | - | 4'-9" | 4'-9" | - | 2 | 4 | 3'-10" | 2'-7" | 0'-2 1/4" | 5'-3" | 3'-11" | 0'-2 1/4" |
| F | 4 | 8'-5" | 9'-9" | 2 | 4 | 4'-6" | 4'-6" | - | 5'-11" | 5'-11" | - | 2 | 4 | 4'-1" | 2'-7" | 0'-2 1/4" | 5'-6" | 3'-11" | 0'-2 1/4" |
| G | 4 | 8'-5" | 9'-9" | 2 | 4 | 5'-8" | 2'-1" | 3'-7 1/8" | 7'-1" | 3'-5" | 3'-7 1/8" | 2 | 4 | 3'-4" | 2'-3" | 0'-3 1/4" | 4'-8" | 3'-7" | 0'-3 1/4" |
| H | 4 | 9'-5" | 10'-9" | 2 | 4 | 6'-5" | 2'-5" | 4'-0" | 7'-9" | 3'-9" | 4'-0" | 2 | 4 | 3'-6" | 2'-3" | 0'-3" | 4'-10" | 3'-7" | 0'-3" |
| I | 4 | 10'-5" | 11'-9" | 2 | 4 | 7'-8" | 4'-0" | 3'-8" | 9'-0" | 5'-4" | 3'-8" | 2 | 4 | 3'-10" | 2'-6" | 0'-3 1/4" | 5'-3" | 3'-10" | 0'-3 1/4" |
| J | 4 | 11'-5" | 12'-9" | 2 | 4 | 8'-10" | 1'-11" | 3'-5 1/8" | 10'-2" | 3'-4" | 3'-5 1/8" | 2 | 4 | 4'-3" | 2'-6" | 0'-3 1/2" | 5'-7" | 3'-10" | 0'-3 1/2" |
| K | 4 | 12'-5" | 13'-9" | 2 | 4 | 9'-11" | 3'-5" | 3'-3" | 11'-4" | 4'-10" | 3'-3" | 2 | 4 | 4'-8" | 2'-6" | 0'-3 5/8" | 6'-0" | 3'-10" | 0'-3 5/8" |
| L | 4 | 12'-5" | 13'-9" | 2 | 4 | 10'-3" | 1'-7" | 2'-10 5/8" | 11'-7" | 2'-11" | 2'-10 5/8" | 2 | 4 | 4'-11" | 2'-6" | 0'-4 1/8" | 6'-4" | 3'-11" | 0'-4 1/8" |
| M | 4 | 13'-5" | 14'-9" | 2 | 4 | 11'-1" | 1'-9" | 3'-1 1/4" | 12'-5" | 3'-1" | 3'-1 1/4" | 2 | 4 | 4'-7" | 2'-8" | 0'-3 3/4" | 6'-0" | 4'-0" | 0'-3 3/4" |
| N | 4 | 13'-5" | 14'-9" | 2 | 4 | 12'-8" | 1'-6" | 2'-9 1/2" | 14'-1" | 2'-10" | 2'-9 1/2" | 2 | 4 | 4'-5" | 3'-0" | 0'-4 1/4" | 5'-10" | 4'-5" | 0'-4 1/4" |
| O | 4 | 14'-5" | 15'-9" | 2 | 4 | 13'-8" | 1'-8" | 3'-0" | 15'-0" | 3'-0" | 3'-0" | 2 | 4 | 4'-8" | 3'-4" | 0'-4" | 6'-1" | 4'-9" | 0'-4" |
| P | 4 | 15'-5" | 16'-9" | 2 | 4 | 14'-8" | 3'-0" | 2'-10 3/4" | 16'-0" | 4'-4" | 2'-10 3/4" | 2 | 4 | 4'-3" | 2'-6" | 0'-4 1/8" | 5'-7" | 3'-10" | 0'-4 1/8" |
| Q | 4 | 15'-5" | 16'-9" | 2 | 4 | 13'-8" | 2'-1" | 2'-10 3/4" | 15'-1" | 3'-4" | 2'-10 3/4" | 2 | 4 | 4'-8" | 3'-0" | 0'-4 1/8" | 6'-1" | 4'-3" | 0'-4 1/8" |
| R | 4 | 16'-5" | 17'-9" | 2 | 4 | 14'-9" | 3'-5" | 2'-10" | 16'-1" | 4'-9" | 2'-10" | 2 | 4 | 5'-1" | 3'-4" | 0'-4 1/8" | 6'-6" | 4'-8" | 0'-4 1/8" |
| S | 4 | 17'-5" | 18'-9" | 2 | 4 | 15'-8" | 3'-8" | 3'-0" | 17'-0" | 5'-0" | 3'-0" | 2 | 4 | 5'-4" | 3'-8" | 0'-4" | 6'-9" | 5'-1" | 0'-4" |
| T | 4 | 18'-5" | 20'-9" | 2 | 4 | 18'-2" | 1'-10" | 2'-8 1/2" | 20'-6" | 4'-3" | 2'-8 1/2" | 2 | 4 | 5'-9" | 3'-7" | 0'-4 3/8" | 8'-2" | 5'-11" | 0'-4 3/8" |
| U | 4 | 18'-5" | 20'-9" | 2 | 4 | 18'-2" | 3'-0" | 2'-6 3/8" | 20'-6" | 5'-3" | 2'-6 3/8" | 2 | 4 | 5'-11" | 3'-6" | 0'-4 5/8" | 8'-3" | 5'-11" | 0'-4 5/8" |
| V | 4 | 19'-5" | 21'-9" | 2 | 4 | 19'-2" | 1'-8" | 2'-6" | 21'-7" | 4'-1" | 2'-6" | 2 | 4 | 6'-4" | 3'-11" | 0'-4 3/4" | 8'-8" | 6'-4" | 0'-4 3/4" |
| W | 4 | 20'-5" | 22'-9" | 2 | 4 | 20'-2" | 1'-6" | 2'-4" | 22'-7" | 3'-11" | 2'-4" | 2 | 4 | 6'-11" | 4'-4" | 0'-5 1/8" | 9'-4" | 6'-9" | 0'-5 1/8" |
| X | 4 | 20'-5" | 22'-9" | 2 | 5 | 19'-6" | 2'-8" | 2'-1 1/8" | 21'-10" | 5'-0" | 2'-1 1/8" | 2 | 5 | 7'-9" | 4'-11" | 0'-5 5/8" | 10'-1" | 7'-3" | 0'-5 5/8" |
| Y | 4 | 21'-5" | 23'-9" | 2 | 5 | 20'-6" | 2'-10" | 2'-2 3/8" | 22'-9" | 5'-2" | 2'-2 3/8" | 2 | 5 | 6'-11" | 3'-9" | 0'-5 5/8" | 9'-3" | 6'-1" | 0'-5 5/8" |
| Z | 4 | 22'-5" | 24'-9" | 2 | 5 | 21'-6" | 1'-9" | 2'-2 1/4" | 23'-9" | 4'-1" | 2'-2 1/4" | 2 | 5 | 7'-5" | 4'-2" | 0'-5 3/8" | 9'-8" | 6'-6" | 0'-5 3/8" |
| AA | 4 | 23'-5" | 25'-9" | 2 | 5 | 22'-5" | 1'-10" | 2'-3 3/8" | 24'-9" | 4'-2" | 2'-3 3/8" | 2 | 5 | 7'-8" | 4'-8" | 0'-5 1/4" | 10'-0" | 7'-0" | 0'-5 1/4" |
| BB | 4 | 23'-5" | 25'-9" | 2 | 5 | 21'-8" | 1'-1" | 2'-3 3/8" | 24'-0" | 3'-5" | 2'-3 3/8" | 2 | 6 | 8'-2" | 5'-2" | 0'-5 1/4" | 10'-6" | 7'-5" | 0'-5 1/4" |
| CC | 4 | 24'-5" | 26'-9" | 2 | 5 | 22'-7" | 1'-2" | 2'-4 1/2" | 24'-11" | 3'-6" | 2'-4 1/2" | 2 | 6 | 7'-9" | 4'-5" | 0'-5" | 10'-0" | 6'-8" | 0'-5" |
| DD | 5 | 25'-5" | 28'-8" | 2 | 5 | 24'-9" | 2'-6" | 2'-5 5/8" | 28'-1" | 5'-10" | 2'-5 5/8" | 2 | 6 | 8'-7" | 5'-4" | 0'-4 3/4" | 11'-10" | 8'-7" | 0'-4 3/4" |
| EE | 5 | 25'-5" | 28'-8" | 2 | 5 | 24'-10" | 2'-2" | 2'-3 1/8" | 28'-2" | 5'-6" | 2'-3 1/8" | 2 | 6 | 8'-10" | 5'-4" | 0'-5 1/4" | 12'-1" | 8'-7" | 0'-5 1/4" |

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

| | | | |
|-------------------------|--|--|-------------------------|
| SPECIFICATION REFERENCE | <p>WING DETAILS 1/2: 1 FILL SLOPE -TYPE I VIRGINIA DEPARTMENT OF TRANSPORTATION</p> |  ROAD AND BRIDGE STANDARDS | |
| | | REVISION DATE 07/12 | SHEET 4 OF 8 1006.04 |