

Single Reinforced Concrete Box Culvert Standards - Flared Wing Headwalls

```
Index for Single Culvert Standards:
```

```
FWH G1-21
                              Index of Sheets
                              General Notes & Specifications
                             Flared Wing Hdwls., 0° Skew, Dimension Plan
Flared Wing Hdwls., 0° Skew, Dimension Table
Flared Wing Hdwls., 0° Skew, Apron & Curtain Wall Details
Flared Wing Hdwls., 0° Skew, Wingwall & Parapet Details
FWH 0-1-21
FWH 0-2-21
 FWH 0-4-21
 FWH 0-5-21
                              Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 16'-0" Span, Sheet 1 of 2
                             Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 16-0° Span, Sheet 2 of 2
Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 14-0° Span, Sheet 2 of 2
 FWH 0-5-21
                             Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 14° 0° Span, Sheet 2 of 2 Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 12° 0° Span, Sheet 1 of 2 Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 12° 0° Span, Sheet 2 of 2 Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 12° 0° Span, Sheet 2 of 2 Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 10° 0° Span, Sheet 1 of 2
 FWH 0-6-21
 FWH 0-7-21
 FWH 0-7-21
 FWH 0-8-21
                              Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 10'-0" Span, Sheet 2 of 2
                             Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 8'-0" Span
Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 6'-0" Span
Flared Wing Hdwls., 0° Skew, Quantity Tabulation, 6'-0", 4'-0", & 3'-0" Spans
 FWH 0-9-21
 FWH 0-10-21
 FWH 0-11-21
                             Flared Wing Hdwls., 15° Skew, Dimension Plan
Flared Wing Hdwls., 15° Skew, Dimension Table, Sheet 1 of 2
Flared Wing Hdwls., 15° Skew, Dimension Table, Sheet 1 of 2
 FWH 15-1-21
FWH 15-2-21
FWH 15-2-21
                              Flared Wing Hdwls., 15° Skew, Apron Details
                             Flared Wing Howls., 15° Skew, Parapet & Curtain Wall Details
Flared Wing Howls., 15° Skew, Wingwall Details
Flared Wing Howls., 15° Skew, Wingwall Details
Flared Wing Howls., 15° Skew, Openatity Tabulation, 16'-0" Span, Sheet 1 of 2
 FWH 15-4-21
 FWH 15-5-21
 FWH 15-6-21
                              Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 16'-0" Span, Sheet 2 of 2
FWH 15-7-21
FWH 15-7-21
                             Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 14'-0" Span, Sheet 1 of 2
                             Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 14'-0" Span, Sheet 1 of 2
Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 12'-0" Span, Sheet 2 of 2
Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 12'-0" Span, Sheet 1 of 2
 FWH 15-8-21
                             Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 12'-0" Span, Sheet 2 of 2
Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 10-0" Span, Sheet 1 of 6
Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 10'-0" Span, Sheet 2 of 2
 FWH 15-9-21
 FWH 15-9-21
                             Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 8'-0" Span
 FWH 15-10-21
                             Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 6-0° Span
Flared Wing Hdwls., 15° Skew, Quantity Tabulation, 5-0° Span
Flared Wing Hdwls., 30° Skew, Dimension Plan
 FWH 15-12-21
 FWH 30-1-21
                             Flared Wing Hdwls., 30° Skew, Dimension Table, Sheet 1 of 2
                             Flared Wing Hdwls., 30° Skew, Dimension Table, Sheet 1 of 2
Flared Wing Hdwls., 30° Skew, Apron Details
Flared Wing Hdwls., 30° Skew, Parapet & Curtain Wall Details
 FWH 30-2-21
 FWH 30-3-21
 FWH 30-4-21
                              Flared Wing Hdwls., 30° Skew, Wingwall Details
                             Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 16'-0" Span, Sheet 1 of 2 Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 16'-0" Span, Sheet 2 of 2 Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 14'-0" Span, Sheet 1 of 2
 FWH 30-6-21
 FWH 30-6-21
 FWH 30-7-21
                              Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 14'-0" Span, Sheet 2 of 2
                             Flared Wing Hdwls. 30° Skew, Quantity Tabulation, 12'-0" Span, Sheet 1 of 2
Flared Wing Hdwls. 30° Skew, Quantity Tabulation, 12'-0" Span, Sheet 2 of 5
Flared Wing Hdwls. 30° Skew, Quantity Tabulation, 10'-0" Span, Sheet 1 of 2
 FWH 30-8-21
 FWH 30-8-21
                              Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 10'-0" Span, Sheet 2 of 2
FWH 30-10-21 Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 8'-0" Span FWH 30-11-21 Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 6-0" Span FWH 30-12-21 Flared Wing Hdwls., 30° Skew, Quantity Tabulation, 5'-0" Span
```

Index for Single Culvert Standards (cont'd):

```
Flared Wing Hdwls., 45° Skew, Dimension Plan
                                  Flared Wing Howls., 45° Skew, Dimension Table, Sheet 1 of 2
Flared Wing Howls., 45° Skew, Dimension Table, Sheet 2 of 2
Flared Wing Howls., 45° Skew, Top Apron Detail
Flared Wing Howls., 45° Skew, Bott. Apron Detail
 FWH 45-2-21
FWH 45-2-21
FWH 45-3-21
FWH 45-4-21
                                  Flared Wing Hdwls., 45° Skew, Parapet & Curtain Wall Details
Flared Wing Hdwls., 45° Skew, Wingwall Details
Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 16'-0" Span, Sheet 1 of 2
Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 16'-0" Span, Sheet 2 of 2
FWH 45-5-21
FWH 45-6-21
FWH 45-7-21
FWH 45-7-21
                                   Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 14-0° Span, Sheet 1 of 2
Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 14-0° Span, Sheet 1 of 2
Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 12-0° Span, Sheet 1 of 2
Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 12-0° Span, Sheet 1 of 2
FWH 45-8-21
FWH 45-8-21
FWH 45-9-21
FWH 45-9-21
                                   Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 12'-0" Span, Sheet 2 of 2
FWH 45-10-21 Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 10'-0" Span, Sheet 1 of 2 FWH 45-10-21 Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 10'-0" Span, Sheet 2 of 2 FWH 45-11-21 Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 8'-0" Span FWH 45-12-21 Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 8'-0" Span
FWH 45-13-21 Flared Wing Hdwls., 45° Skew, Quantity Tabulation, 5'-0" Span
```



Standard Design - Single Reinforced Concrete Box Culverts

Flared Wing Headwalls

February, 2021

Index of Sheets

FWH G1-21