

Standard Drawing Guidance (do not show on plans)
(1) Choose one of the 4 details for the top flange blockout
detail and follow the provided detail guidance. For $0-7$. detail and follow the provided detail guidanc
skew remove G6 bars frombill of reinforcing.
The left advanced details shown may be used for right
advanced bridges. May remove mirror note if left advanced. Blockout shall be dimensioned along the girder to $11 / 2$
inches inside the face of the diaphragm and adjusted for
girder tilt if present.
gider the
Revise bent references as required. Specify the bent number
if blockout varies by bent. The skew angle value need not be shown for tangent bridges.
Consult SPM or Liaison on replacing "skew angle" with actual value for curved bridges.

Revised titles for non-integral end bents (exterior girder
at end bent will be same detail as at intermediate bent).

| flange blockout data |  |  |  |
| :---: | :---: | :---: | :---: |
| Skew | $\begin{array}{\|c\|} \hline \times \mathrm{Eq} \\ \mathrm{Spa} \\ \hline \end{array}$ | $\begin{gathered} x \\ \# 4-G 6 \end{gathered}$ | Bar Lengths |
| $>14^{\circ}$ to $21^{\circ}$ | 3 | 2 | G3 bar $=\frac{46.25 "}{}$ |
| $>21^{\circ}$ to $27^{\circ}$ | 4 | 3 |  |
| $>27^{\circ}$ to $32^{\circ}$ | 5 | 4 |  |
| $>32^{\circ}$ to $37^{\circ}$ | 6 | 5 |  |
| $>37^{\circ}$ to $42^{\circ}$ | 7 | 6 | For skews > $7^{\circ}$ to |
| $>42^{\circ}$ to $46^{\circ}$ | 8 | 7 | G6 bar = 63 bar +46.25 |
| $>46^{\circ}$ to $49^{\circ}$ | 9 | 8 | G6 bar = 2 |
| $>49^{\circ}$ to $52^{\circ}$ | 10 | 9 |  |
| $>52^{\circ}$ to $55^{\circ}$ | 11 | 10 | For skews > $14^{\circ}$ to $60^{\circ}$ |
| $\frac{>55^{\circ} \text { to } 57^{\circ}}{>57^{\circ} \text { to } 60^{\circ}}$ | 12 | 11 | Report length of G6 bars as "Varies" |



LEFT EXTERIOR GIRDER
AT INTERMEDIATE BENT
AT INTERMEDIATE BENT
Rotate $180^{\circ}$ for right ext


INTERIOR GIRDER AT ALL BENTS
$\&$ EXTERIOR GIRDER AT END BENT TOP FLANGE BLOCKOUT

NO SKEW


LEFT EXTERIOR GIRDER
AT INTERMEDIATE BENT

$$
\text { Rotate } 180^{\circ} \text { for right ext. }
$$



INTERIOR GIRDER AT ALL BENTS
$\&$ EXTERIOR GIRDER AT END BENT TOP FLANGE BLOCKOUT Mirror for right advanced $>0^{\circ}$ TO $7^{\circ}$ LA SKEW


LEFT EXTERIOR GIRDER
AT INTERMEDIATE BENT
Rotate $180^{\circ}$ for right ext


INTERIOR GIRDER AT ALL BENTS
$\times$ EXTERIOR GIRDER AT END BENT TOP FLANGE BLOCKOUT Mirror for right advanced $>7^{\circ}$ TO $14^{\circ}$ LA SKEW

(2) The maximum strand arrangement is
shown in details including top straight strands. Remove unnecessary
strands from the four details where Strawn.
shown
(3) Detail only needs to be used if the structure is over water For all
other crossings remove detail.
(4) Indicate $\begin{aligned} & 10 \\ & 35,43 \text { strands as shown for NU }\end{aligned}$ 35 , $43 \& 53$. Indicate two more
strands for nu 63,70 and 78 .

## $\oplus \oplus \oplus \oplus \oplus+\oplus++\oplus+\oplus \oplus \oplus \oplus \oplus$

Strands are not typically debonded
for NU girders, but if required by design, add symbols to End of Girde
strand arrangement detail and add the appropriate notes (Note H2c1.44
the and add

$$
\begin{aligned}
& \text { - Indicates debonded for } \\
& x^{\prime}-0 " \text { from end of girder }
\end{aligned}
$$

$$
\begin{aligned}
& \Delta \begin{array}{l}
\text { Indicates debonded for } \\
x^{\prime}-0 " \text { from end of girder } \\
\text { frof }
\end{array}
\end{aligned}
$$

(5) 7" Maximum and 1 "Mininum
(6) By design. Typically 30.98 kips 0.61 strand, rounded to nearest
0.0 strand \&
(7) Revise minimum dimension if
required by design.
(8) Adjust for modified flange
thickness.
(9) Use with end spans when both detailed on same sheet and the ${ }^{2}$ 'th
6 "I long tie rod will not fit in C" long tie rod will not fit in the
exterior diaphragm portion. Remove exterior diaphragm.
(10) Substitute these values into drawing

| nu | a | b | c |
| :---: | :---: | :---: | :---: |
| 35 | 2011/6" | $2^{\prime}-11^{1 / 16}{ }^{\prime \prime}$ | 233/4" |
| 43 | 2'-4916" | 3'-75/16" | 2'-71/2" |
| 53 | $3^{\prime}-2^{13 / 32^{\prime \prime}}$ | $4^{1}-5 \frac{5}{3} 2^{\prime \prime}$ | 3' $-51 /{ }^{\prime \prime}$ |
| 63 | $4^{\prime}-07^{\prime \prime}{ }^{\prime \prime}$ | 5'-3" | $4^{\prime}-33^{1 / 4}{ }^{\prime \prime}$ |
| 70 | $4^{\prime}-88^{1 / 8}$ | 5'-107/8" | 4'-11" |
| 78 | 5'-4" | $6^{1}-63 / 4{ }^{\prime \prime}$ | $5^{-174}$ |

(11) Remove note for NU 53, 63, 70 and 78
(12) Remove notes for NU 35 and 43 .
(13) The overall height of the wWR6 shall
not be increased for girder steps. not be increased for girder step
Reduce this dimension by the acalated girder step height.

