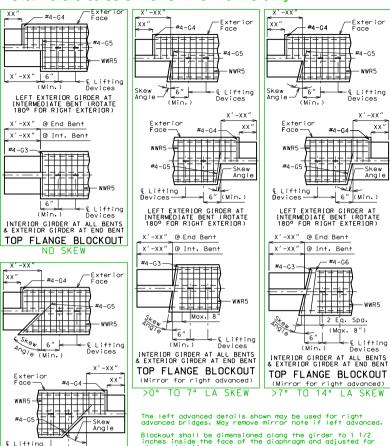
Standard Drawing Guidance (do not show on plans):

① Choose one of the 4 details for the top flange blockout detail and follow the provided detail guidance. For 0-7° skew remove G6 bars from bill of reinforcing.



€ Lifting 6" (Min.)

X'-XX" @ End Bent

X'-XX" @ Int. Bent

X Eq. Spa.

(Max. 8") Skew 6"

TOP FLANGE BLOCKOUT

(Mirror for right advanced) >14° TO 60° LA SKEW

LEFT EXTERIOR GIRDER AT INTERMEDIATE BENT (ROTATE 180° FOR RIGHT EXTERIOR)

- X-#4-G6

- - - - - wwrs

The left advanced details shown may be used for right advanced bridges. May remove mirror note if left advanced.

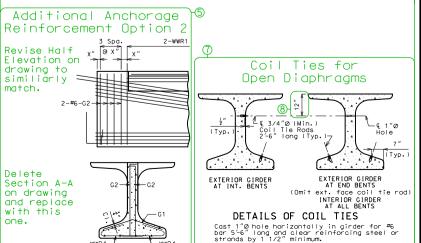
Blockout shall be dimensioned along the girder to 1 1/2 inches inside the face of the diaphragm and adjusted for girder tilt if present.

Revise bent references as required. Specify the bent number if blockout varies by bent.

The skew angle value need not be shown for tangent br 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	X Eq.	X #4-G6	Bar Lengths				
>14° to 21°	3	2	G3 bar = $\frac{46.25''}{2000(5kg)}$				
>21° to 27°	4	3	cos(skew)				
>27° to 32°	5	4	G5 bar = $\frac{32.125''}{2000(0000)}$				
>32° to 37°	6	5	cos(skew)				
>37° to 42°	7	6	For skews > 7° to 14°:				
>42° to 46°	8	7	G6 bar = $\frac{G3 \text{ bar} + 46.25"}{2}$				
>46° to 49°	9	8	G6 bar = $\frac{65 \text{ bar}}{2}$				
>49° to 52°	10	9					
>52° to 55°	11	10	For skews > 14° to 60°:				
>55° to 57°	12	11	Report Length of G6				
>57° to 60°	13	12	Report length of G6 bars as "Varies".				



- ② The maximum strand arrangement is shown in details including top straight strands. Remove unnecessary strands from the four details where shown. Give spacing of top straight strands if used. See 751.22.2.2 for top straight strand placement criteria.
- 3 This detail only needs to be used if the structure is over water. For all other crossings remove this detail.
- (4) Modify note as necessary. The 10 strands indicated is applicable for NU 35, 43 & 53. Indicate two more strands for NU 63, 70 and 78. ***** +*******
- (5) Show G2 bars if required by design otherwise remove from half elevation, bill of reinforcing and section A-A.

Option 1 is shown on the sheet and is pairs of #4 or #5 bars used in combination with WWR1. G2 bars shall be subtracted or added as required by design.

NII 35 NU 43 NU 53 NU 63 NU 70 NU78 Option 2 is shown to the left of the sheet and is solely pairs of #6 bars with WWR1 not being extended to end of the girder. G2 bars shall be subtracted or added as required by design. NO. 5 3'-9" 4'-5" 5'-3" 6'-1" 6'-8' 7'-4 Use adjacent chart for the actual lengths of the G2 bars 3'-8' 4'-4" reported in the bill of reinforcing.

- © A1 reinforcement (temporary camber stresses) shall consist of the four 3/8"0 reinforcement support strands with deformed bars added only as needed. The WWR5 in the top flange shall not be used for A1 reinforcement because mats can not be spliced (insufficient concrete cover results from layered mats.)
- ① Use for open diaphragms. Omit note about length of coil tie rods at exterior girders.

- (8) Adjust for modified flange thickness.
- Remove underline part for CIP slabs.
- (10) Substitute following values into drawing.

NU	а	Ь	С	d
35	20ዜ″	2'-11 1 7"	23 5 ″	2'-9 3 "
43	2'-4 9 "	3'-7 <u>5</u> "	2'-7½"	3'-5 4"
53	3'-2 ¹³ / ₃₂ "	4′-5 ⁵ ⁄ ₃₂ "	3'-54"	4'-3 1 "
63	4'-04"	5′-3″	4'-34"	5′-1″
70	4'-8 1 "	5'-10 7"	4'-11 1 1 "	5'-8 7 "
78	5′-4″	6'-6 3 "	5′-7″	6'-4 3 "

- (11) Remove note for NU 53, 63, 70 and 78.
- (12) Remove notes for NU 35 and 43.
- (13) $1\frac{1}{4}''$ min. & $4\frac{1}{8}''$ max. If spacing of G1 with WWR4 at 12" cts. leaves an 18" space, add additional G1 bar.

