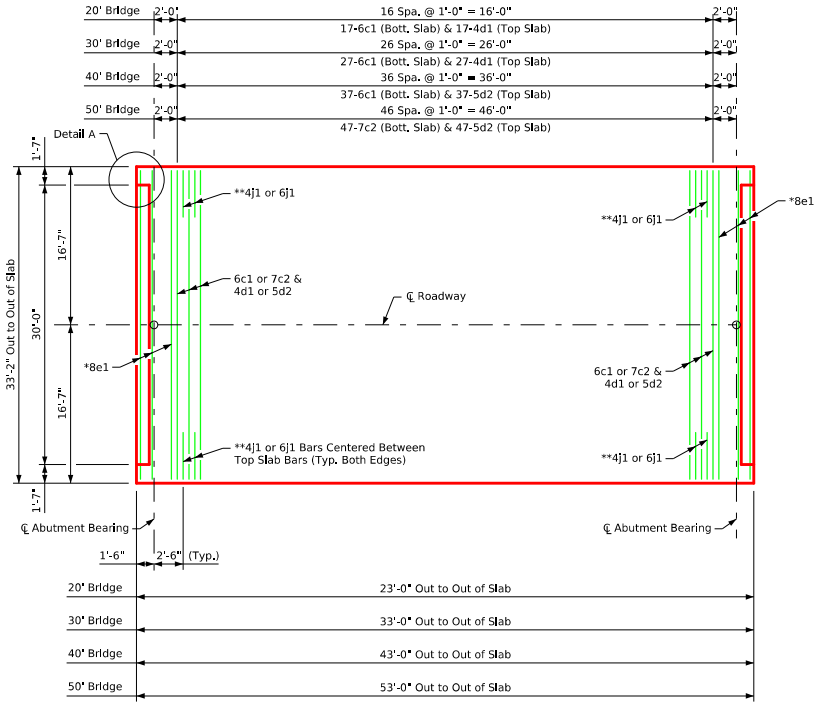
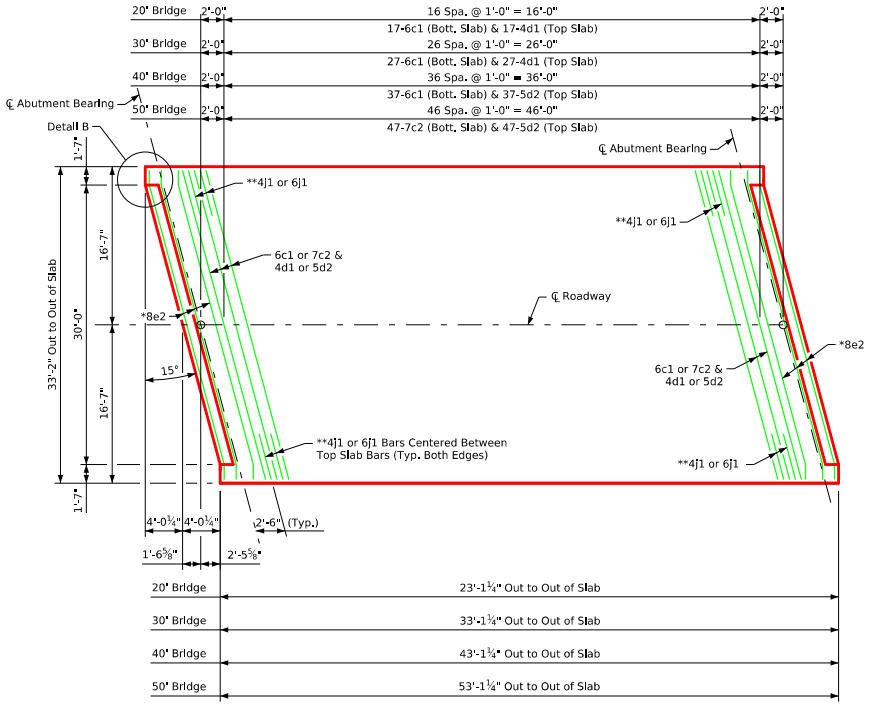


0° Skew



15° Skew

Transverse Reinforcing Steel Layout

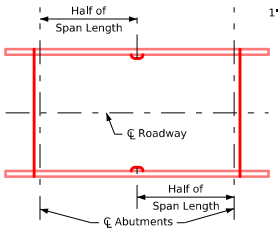
Notes:
* Plan views are shown for spans that utilize an integral abutment. For details in the pile cap for the high abutments, see Sheet J30S-20-25 or J30S-21-25.
** 4J1 bars shall be used with open concrete rails or W-beam guardrails, and 6j1 bars shall be used with single slope concrete rails.

Weight of One Deck Drain

Span	Weight (lbs.)
20'-0"	32
30'-0"	38
40'-0"	41
50'-0"	48

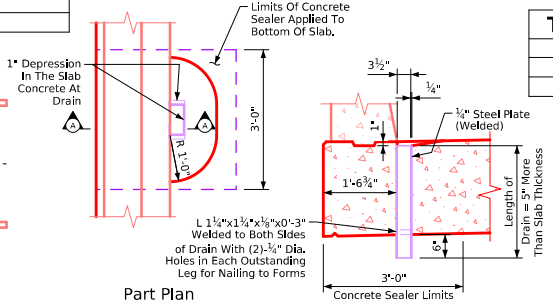
Temporary Paving Block

Skew	Length	Concrete
0°	28'-0"	0.7 C.Y.
15°	29'-0"	0.7 C.Y.



Deck Drain Location

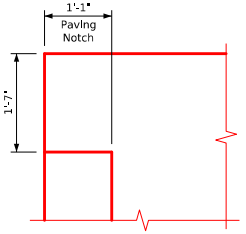
Note:
4" x 8" outside dimension rolled tube with ¼" wall thickness may be substituted for the welded drain shown.



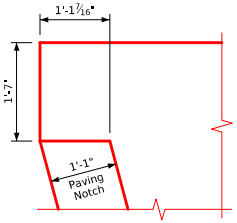
Part Plan

Drain Details Section A-A

(Use for Single-Slope Rail Only, not required for Open Rail or W-Beam Guardrail)
Note: Drains are to be galvanized. Include cost of drains in price for "Structural Concrete". (2 Drains Reqired)



Detail A



Detail B

Temporary Paving Block Detail

Note:
Temporary Paving Block to be used with paved approaches only.
Line Paving Notch with tar paper before placing Temporary Paving Block.

Latest Revision Date

Approved by Bridge Engineer

IOWA DOT

Standard Design - 30'-0" Roadway, Single Span Bridge

Single Span Concrete Slab Bridges

July, 2025

Slab Reinforcing Plan
Details-0° & 15°
Skew

J30S-12-25