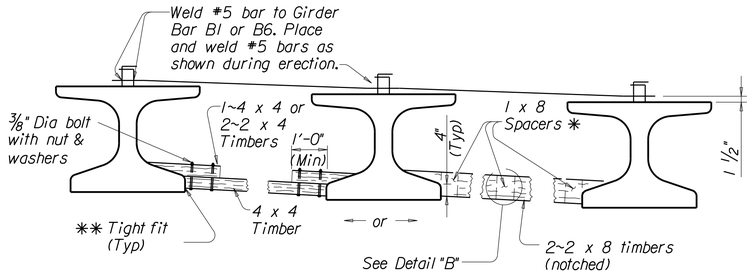
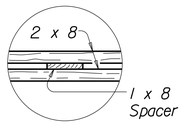




Plan

DETAIL "B"

HORIZONTAL BRACING DETAILS

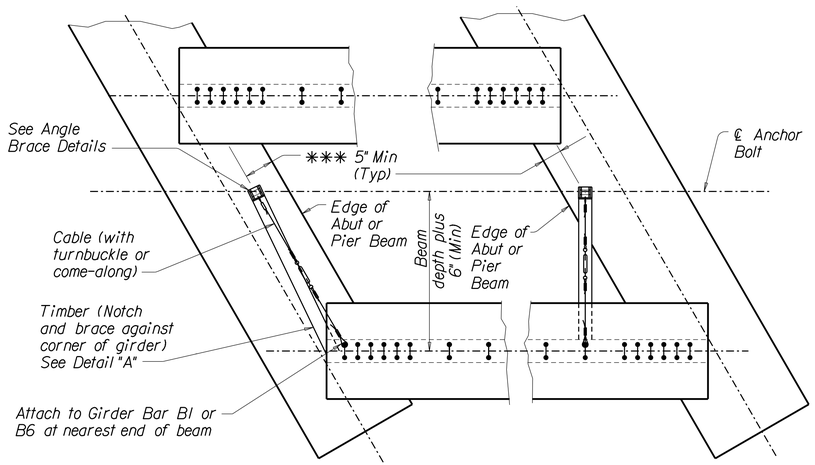
(For Erection Bracing and for Deck Placement Bracing)

Pressure treated landscape timbers can not be used.

✱Clear distance between spacers must not exceed 3'. Nail together with 16d nails.

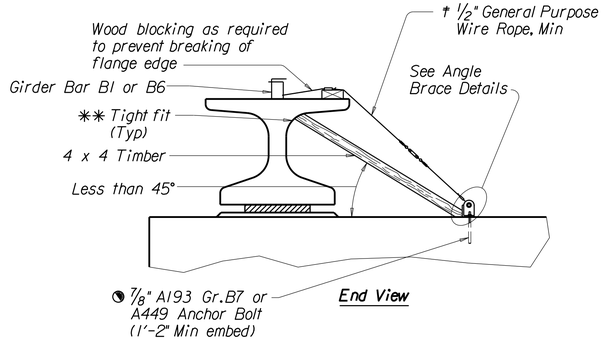
NOTE: The Contractor has the option of proposing an alternate solution to the use of timber bracing at no additional cost to the City. Shop Drawings shall be submitted to the Engineer for approval prior to beam fabrication.

NOTE: All labor & material required for the Temporary Diaphragms shall be subsidiary to the "Prestressed Concrete Beam (NU 35+1)" bid item.

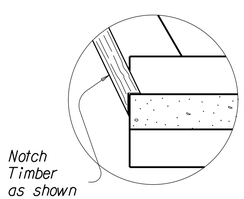


Plan

(Skew shown only as example. Build in accordance with plans.)



End View



DETAIL "A"

DIAGONAL BRACING DETAILS

(To be used on both ends of the first girder/beam erected in the span in each phase.)
Pressure treated landscape timbers can not be used.

ERECTION BRACING:
Required Erection Bracing must be placed immediately after erection of each girder and remain in place until deck concrete has attained a compressive strength of 3,000 psi.

DECK PLACEMENT BRACING:
Required Deck Placement Bracing must be placed before deck concrete is poured and remain in place until deck concrete has attained a compressive strength of 3,000 psi.

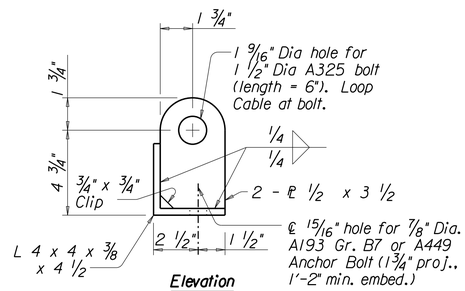
GENERAL NOTES:
Systems equal to or better than those shown may be used provided details of such systems are submitted to and approved by the Engineer prior to erection.
Use of these systems or details does not relieve the Contractor of the responsibility for the adequacy of the bracing and the safety of the structure.
Removal of bracing for short periods of time to align girders and beams is permissible.
All turn-buckles, come-alongs, anchors and other connections must be capable of developing the full strength of the cable shown.
Furnish anchor bolts and nuts in accordance with KDOT Standard Specifications.

✱✱ Use wedges as necessary to obtain tight fit. Nail wedges to timbers.

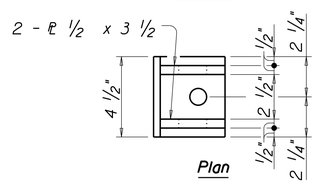
✱✱✱ It is acceptable to tie anchor bolts to cap reinforcement.

† All hardware used with cable must be able to develop a minimum 25 kips breaking strength. Use thimbles at all loops in cable. Install cable clamps with saddles bearing against the live end and U-bolts bearing aginst the dead end.

◔ Anchor bolt may be drilled and epoxied in place. Provide 25k minimum pullout. Core drill hole.



Elevation



Plan

ANGLE BRACE DETAILS

See Sh. No.'s 59 - 61 for Beam Details.
See Sh. No.'s 62 & 63 for Framing Plans details.

CITY OF WICHITA

wsp

HARRY STREET BRIDGE OVER ARKANSAS RIVER

TEMPORARY BRACING DETAILS

STRUCTURE NO. 430400876 30AR40

REVISIONS			
NO.	DATE	DESCRIPTION	

PROJ NO:	35838B
SCALE:	AS NOTED
DATE:	.
DESIGNED BY:	--
DRAWN BY:	--
CHECKED BY:	
YEAR:	2019

SHEET NO
65
SHEET 65 OF 135

Plotted : 10/3/2019 2:14:48 PM File : T:\35838A-COW_HarrySt\Bridge\Cadd\Sheets\Structures\838TMP.dgn