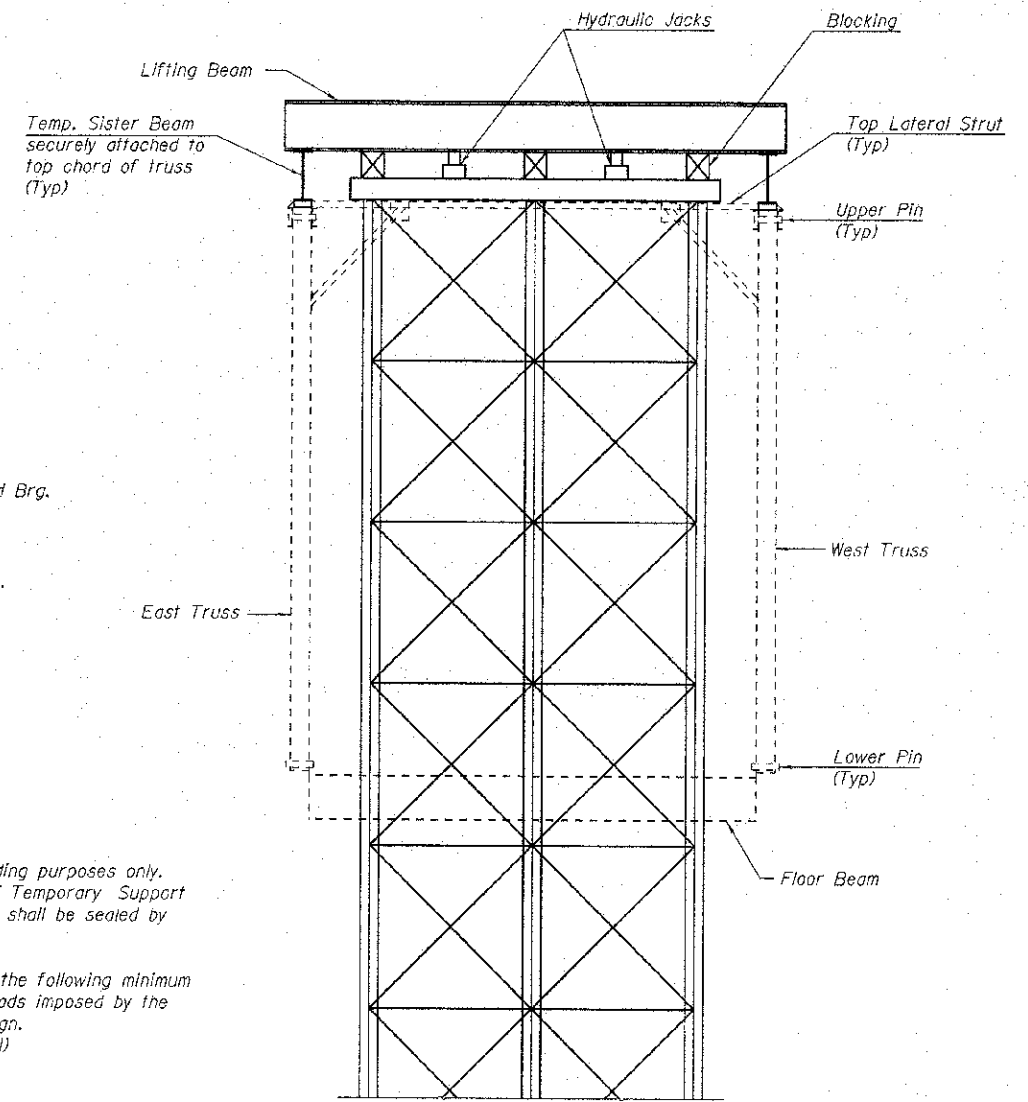


**ELEVATION**  
(Looking West)



**VIEW C-C**

**TEMPORARY SUPPORT NOTES**

- Temporary support details and scheme shown is for bidding purposes only. Contractor shall provide design and working drawings of Temporary Support System intended for use. Design and working drawings shall be sealed by Illinois Licensed Structural Engineer.
- Temporary support system shall be capable of carrying the following minimum loads with a factor of safety of 2.0. Any additional loads imposed by the Contractor's methods shall be accounted for in the design.
  - Dead Load Existing Structure = 90,000 lbs (total)
  - Live Load Allowance = 40 psf
  - Wind Load Pressure = 20 psf
  - Stream Flow Pressure = 27 psf (50 year velocity = 19.3 f/s)
- South Temporary Support System shall be founded on a Temporary In-Stream Work Pad. North Temporary Support shall be founded on existing ground.
- Temporary support system shall be designed to allow for jacking and cribbing of the existing structure. Existing structure shall be raised a minimum of 6" above its existing elevation to allow for construction of the abutment caps and removal and replacement of pins and bearings. Existing structure shall be jacked to an upright and level position and blocked or cribbed securely in place. Jacks will only be used to raise and lower structure. Structure will be supported on blocking or cribbing. Cost of this work shall be included in JACKING & CRIBBING.

**SCOPE OF WORK**

- Replace bearings.
- Repair stone abutments and install concrete abutment caps.
- Replace existing deck with new timber deck and railing.
- Replace all stringers.
- Strengthen floor beams with new cover plates.
- Replace pins at L0, U4, L1, L9, U8 and L8 on both trusses (12 pins).
- Replace vertical member L1-U1 and L8-U8 on both trusses (4 verticals).
- Replace diagonal counters L3-U4, L4-U5, L5-U4 and L6-U5 on both trusses (8 counters).
- Stabilize concrete wall at south abutment using deadman and tiebacks.
- Complete miscellaneous repairs to other truss members as needed.

**SUGGESTED SEQUENCE OF CONSTRUCTION:**

- Repair S.W. Wingwall and install tie-backs and deadman.
- Construct In-stream pad for temporary bridge support system.
- Remove existing timber deck and floor stringers.
- Excavate behind abutments to a depth of six feet±.
- Construct temporary bridge support system and raise and shore existing truss.
- Remove existing bearings, replace existing members and pins as indicated and retrofit existing floor beams.
- Repair existing abutments and pour new concrete abutment caps.
- Install new bearings, set bridge on new abutment caps and remove temporary bridge supports.
- Install new stringers and new timber deck and railings.
- Place Stone Riprap Special against S.W. Wingwall.
- Remove In-stream pad, returning stream bed to original cross section.

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Temporary Support System, Location 1	Each	1
Temporary Support System, Location 2	Each	1
Jacking & Cribbing	L. Sum	1

FILE NAME = S:\Projects\2012\_08\ESV12-06-S18011 M&G Newton Bldg. Path\CAD\CADD Sheets\0403084-xxxx-003-Construction Detail.dgn  
 MODEL = 3D MODEL'S  
 PLOT DRIVER = PLOTDRVS

USER NAME = kchapman	DESIGNED -	REVISED
FILE NAME = 2403084-xxxx-003-Construction	CHECKED -	REVISED
PLOT SCALE = 4000.0000 1/4" = 1'-0"	DRAWN -	REVISED
PLOT DATE = 4/11/2013	CHECKED -	REVISED

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
164	10-00045-00-BT	JASPER	16	18
CONTRACT NO.				