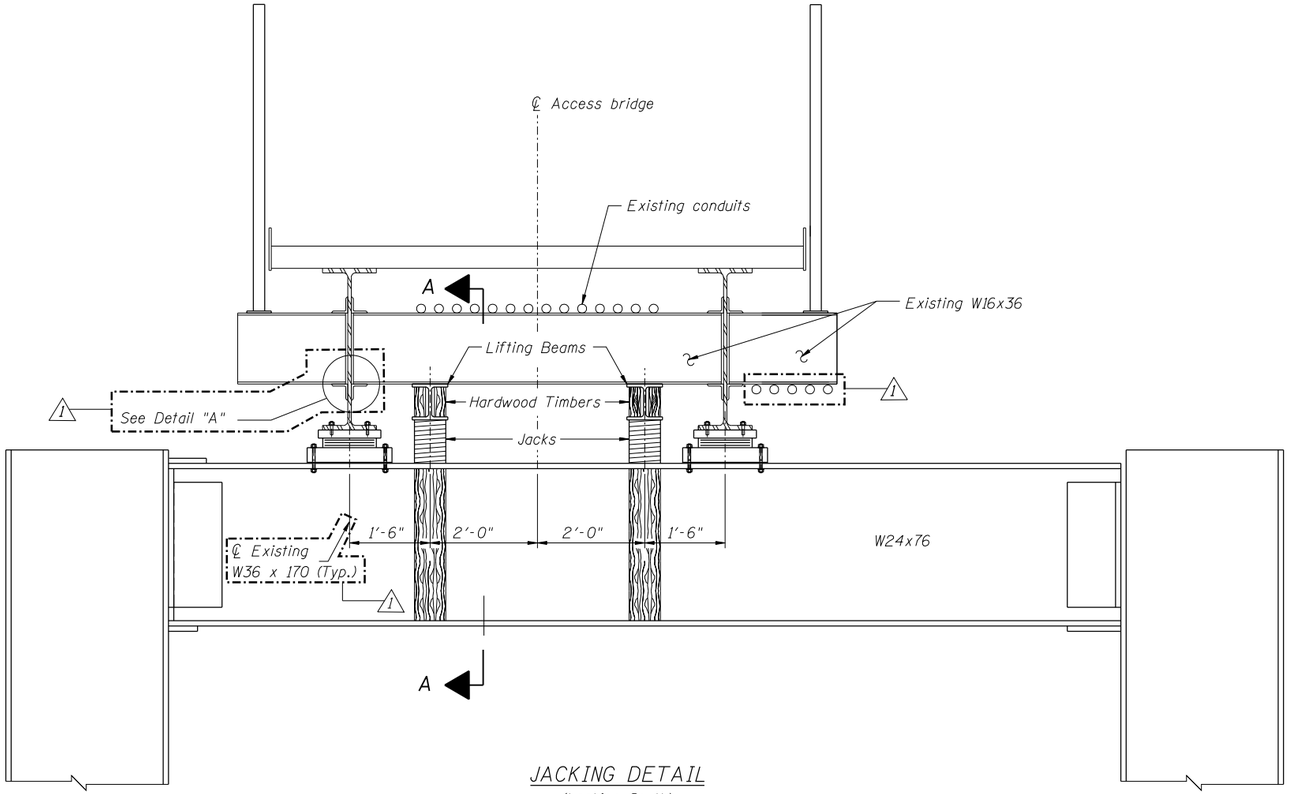
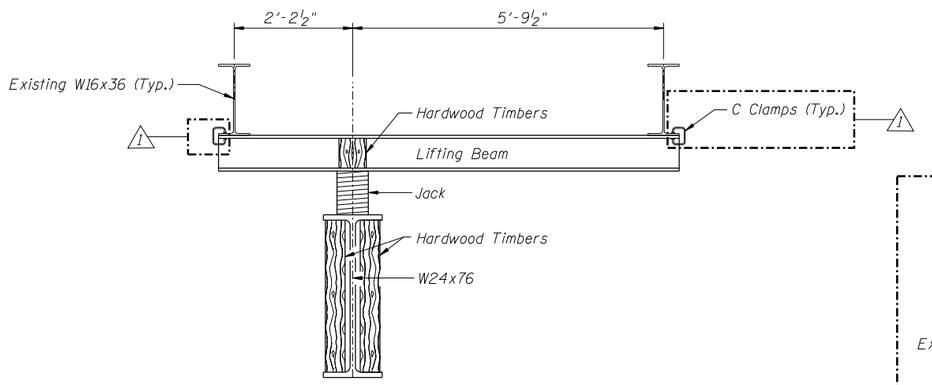


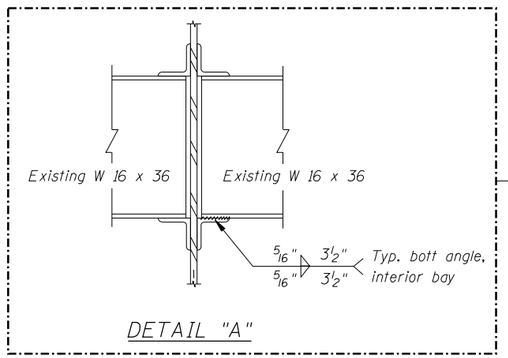
JACKING DETAIL
(Looking South)

Notes:

1. The jack capacity provided shall be between 50% to 100% greater than the maximum expected working load.
2. The jack shall be centered directly over the web of the W24x76 beam of the mid-span steel frame supports.
3. Hardwood timbers shall be installed tightly between the top and bottom flanges of each beam that is directly under or over a jack.
4. Contractor shall not allow the main W36x170 beams to rotate out of plane when jacking/cribbing.
5. Jacking system shall be paid for as indicated in the special provision for "Jacking Existing Superstructure".
6. The jacking system shown is for bidding purposes only. The Contractor shall be responsible for the design and safety of the structure.
7. The Contractor shall use caution during construction so as to avoid damaging the existing utility conduits mounted beneath the bridge deck. The Contractor shall repair damage at his/her expense to the satisfaction of the Engineer.



SECTION A-A



DETAIL "A"

Suggesting Jacking Sequence

1. Build mid-span steel frame support.
2. Set up jacks and lifting beams. See Special Provision entitled "Jacking Existing Superstructure".
3. Use synchronized jacks to lift bridge with deck in place.
   - Estimated required working jack load = 35 kips (for bid purposes only).
   - Estimated lifting beam size = W8x24 (for bid purposes only).
4. Place base/shim plate. Fully tighten ½" ϕ bolts.
5. Drill ⅞" ϕ holes in bottom flange of main W36x170 beams.
6. Set bearing assembly in proper position.
7. Lower W36x170 beams onto bearing assembly.
8. Place washers and nuts over threaded studs and fully tighten.

BILL OF MATERIAL

Item	Unit	Quantity
Jacking Existing Superstructure	L Sum	1

1 Revised 4/17/2006, TMM

Designed By TMM Checked By RLP
Drawn By JJF Checked By TMM
$DATE$ $TIME$ $FILE$