STANDARD DETAILING GUIDANCE

A "no jack" option may be used by designer in lieu of "jacking" option. Welding in both cases should not be performed under live load, especially direct live load.

General Notes:

- Design Loadings: 1993 Missouri Posting Loads (MD & 3S2)
- No future wearing surface
- Design Unit Stresses:
  - Structural Carbon Steel $F_y = 36,000$ psi (New Steel)
  - Working Stress Design = 68% of $F_y$ (Existing)
- Paint: Calcium Sulfonate (2 coats)
- Traffic Handling:
  - All existing beams in the span being strengthened shall be raised simultaneously 8" at jacking point and supported during welding of new steel plates.
  - The temporary supports must be capable of safely supporting a service load of approximately 0.08 tons per beam (factor of safety not included). See special provisions.
- Bean Support:
  - One lane of traffic shall be maintained on structure during construction. See roadway plans for traffic control.
- Miscellaneous:
  - Outline of old work is indicated by light dashed lines. Heavy lines indicate new work.

Table of Variables:

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<thead>
<tr>
<th>Beam Location</th>
<th>Dimensions</th>
<th>Load</th>
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