

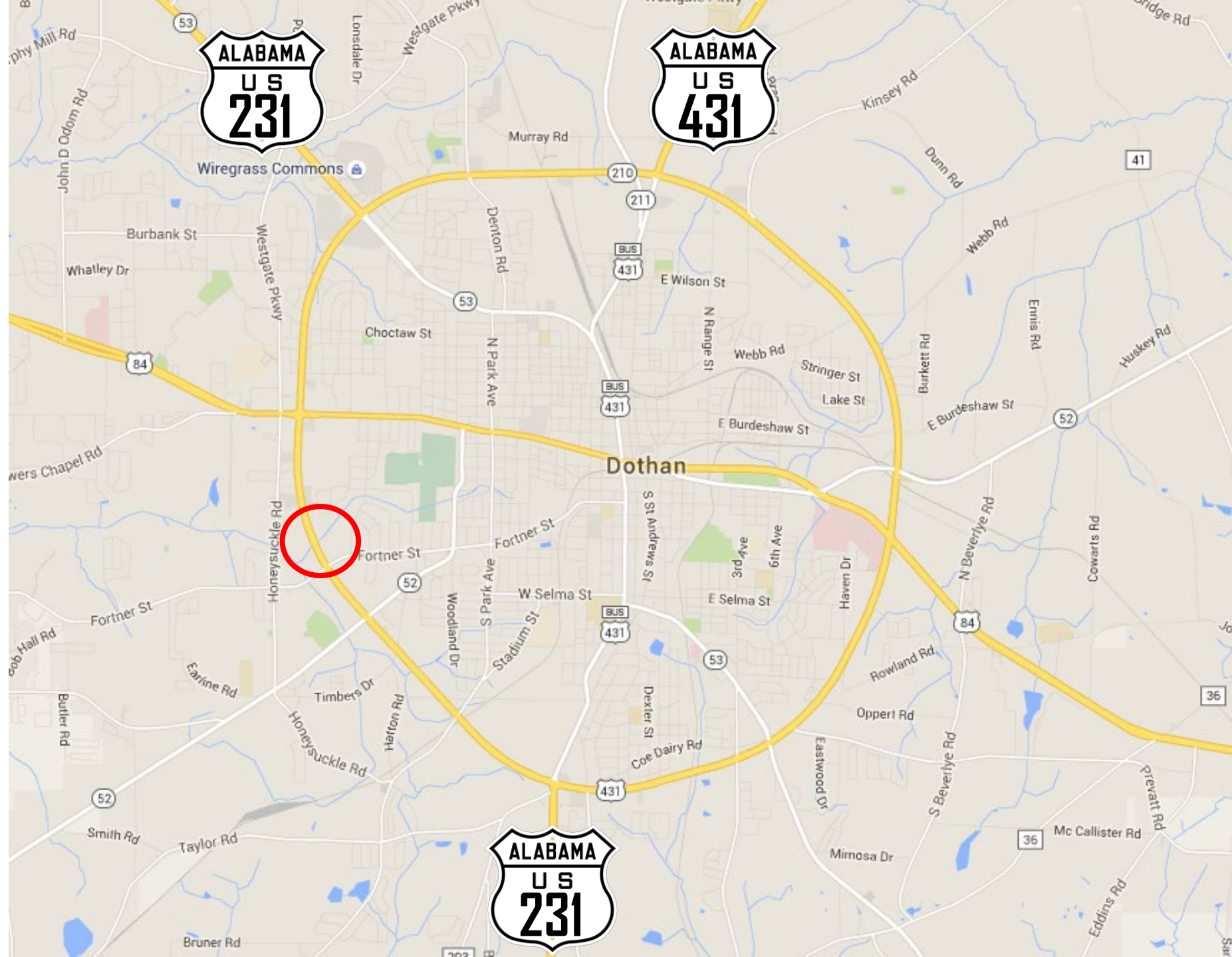
Ross Clark Circle Bridge Slide Dothan, Alabama

Accelerated Bridge Construction (ABC)

W. Tim Colquett, P.E.
State Bridge Engineer - Alabama









WATER

SEWER

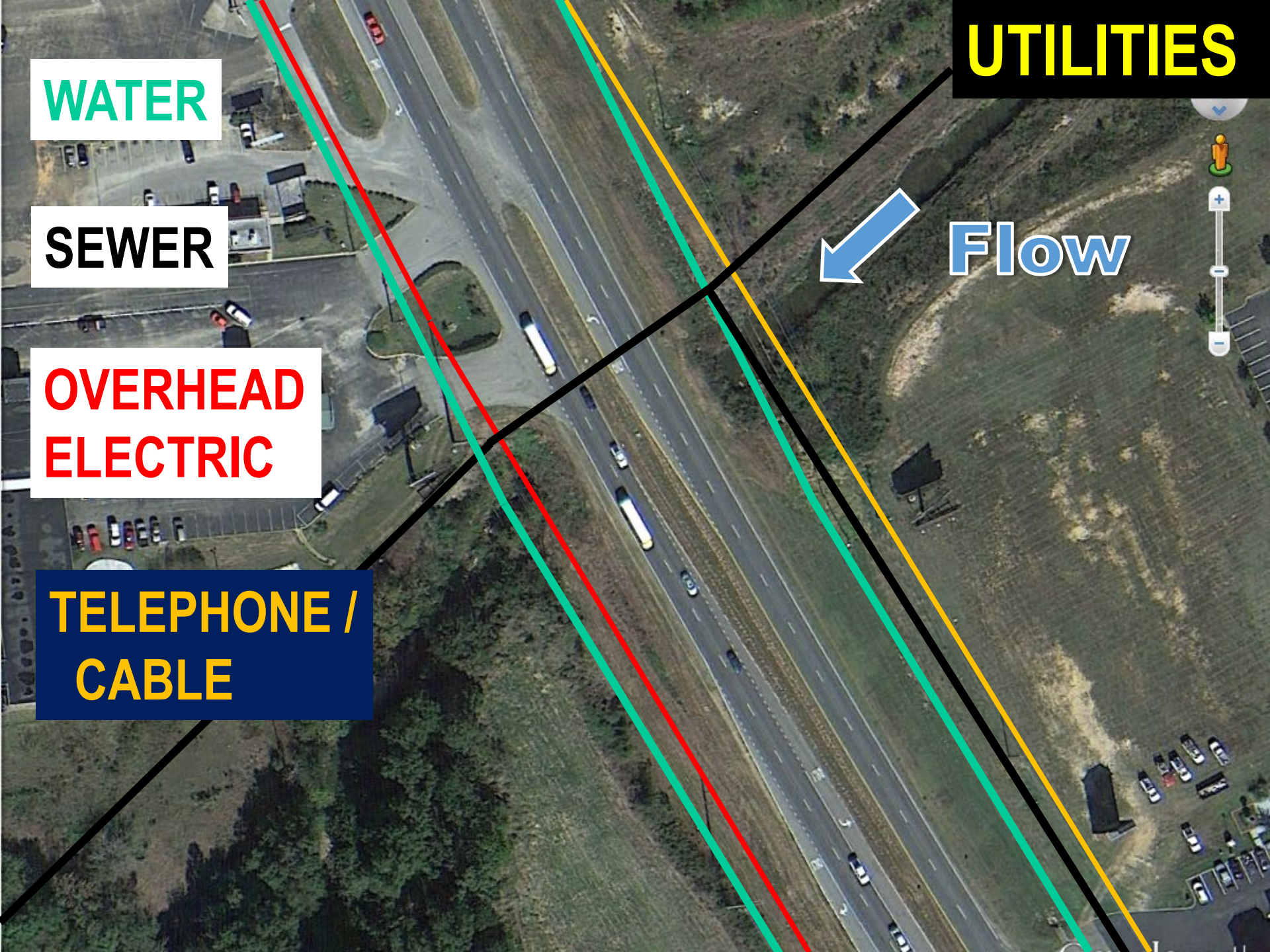
**OVERHEAD
ELECTRIC**

**TELEPHONE /
CABLE**

UTILITIES



Flow



RCC ABC Key Considerations:

- 1) Traffic Volume**
- 2) Detour**







RCC ABC Key Considerations:

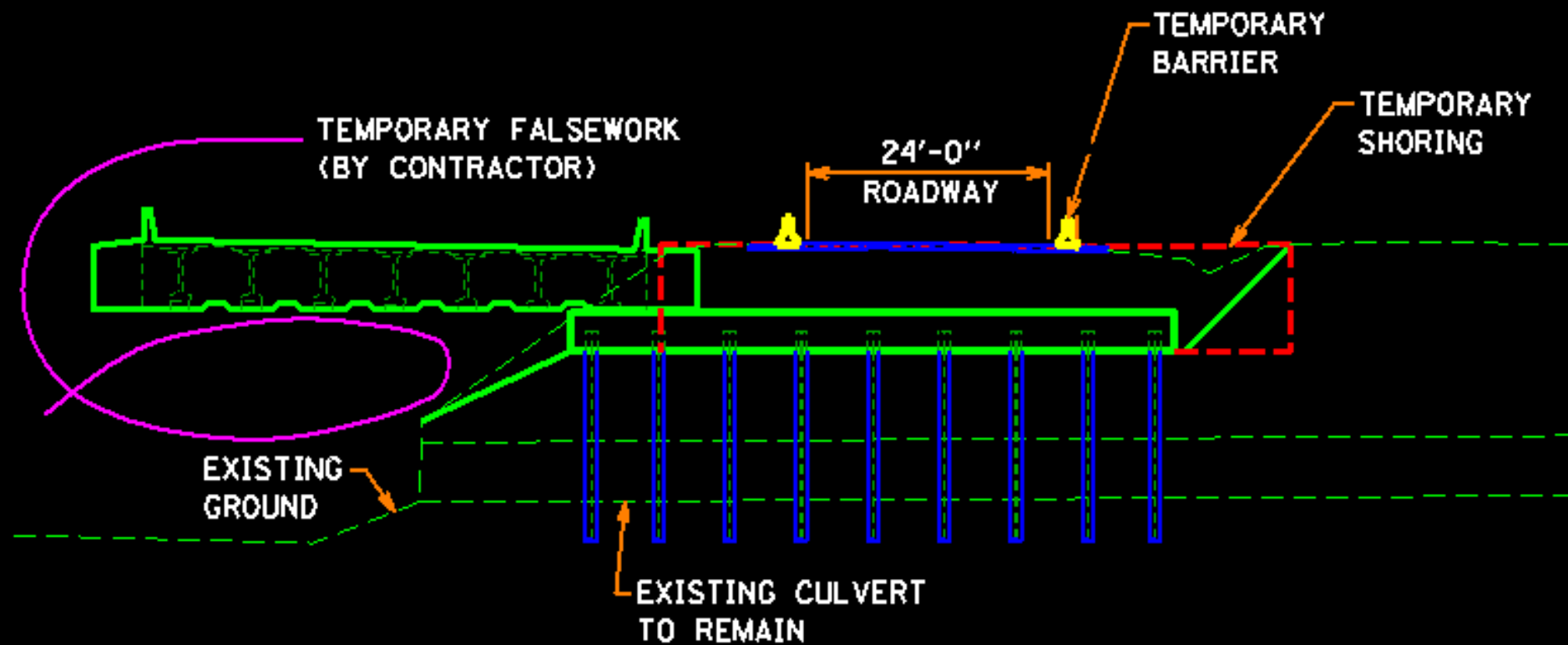
- 1) Traffic Volume**
- 2) Detour**
- 3) Disruption to Traffic Flow**
- 4) User Cost / Time Savings**
- 5) Available ROW**
- 6) Worker Safety**



Three ABC Issues:

1. Temporary Shoring for Abutments
2. Falsework to support Superstructure
3. Slide

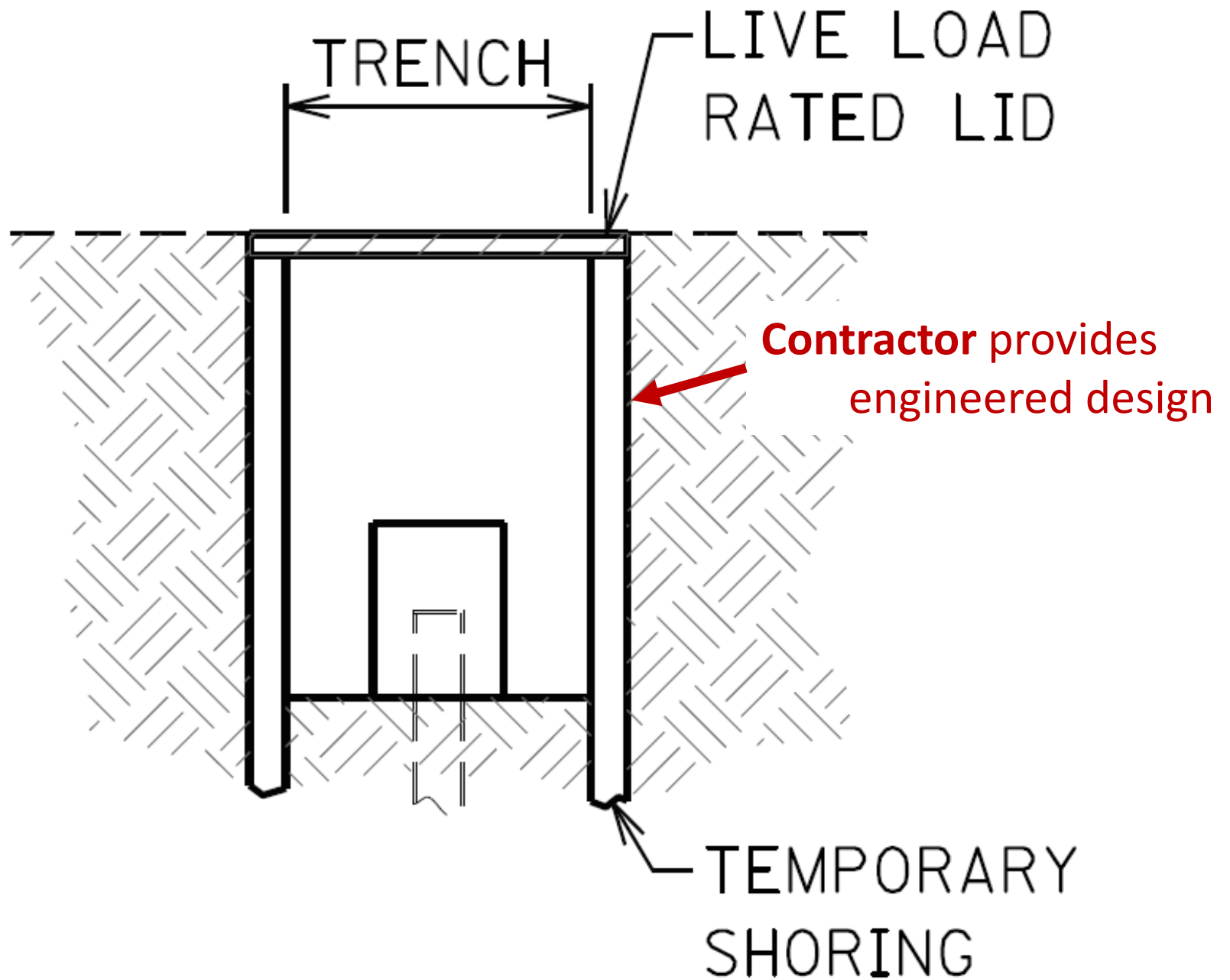




ELEVATION
NO SCALE

Temporary Shoring for Abutments





Dothan Bridge Slide Animation















J&W











Removable Lid

Pouring / Finishing Cap



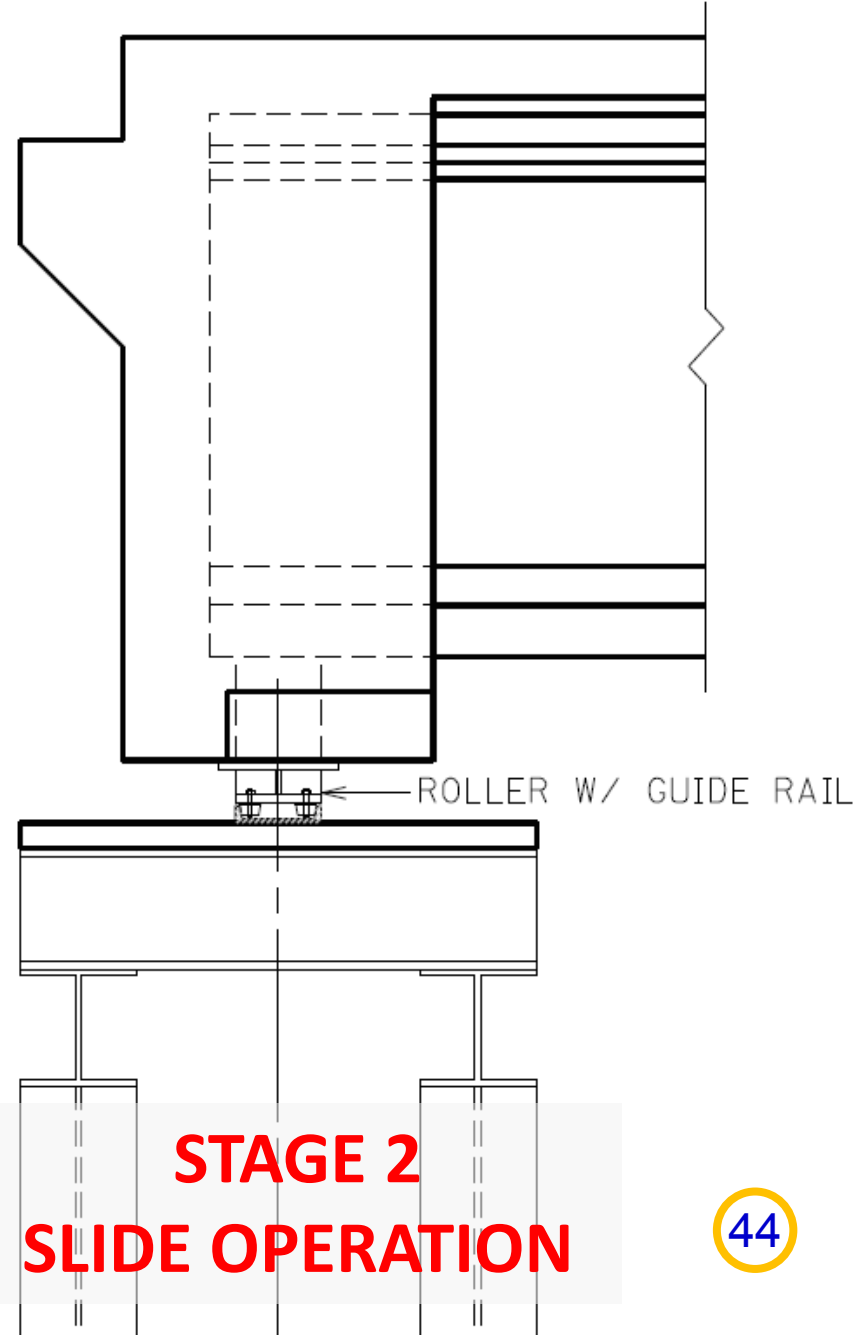
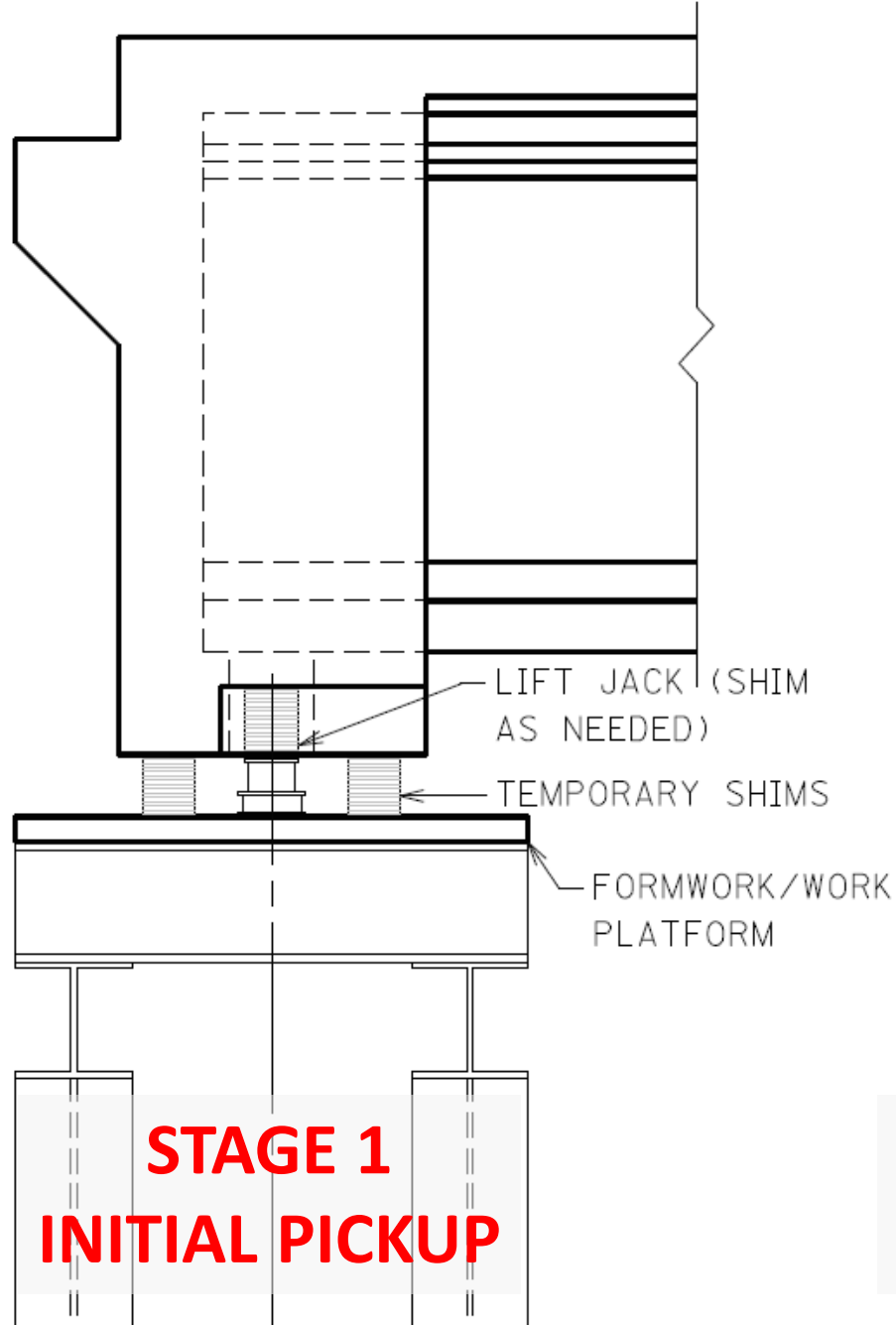




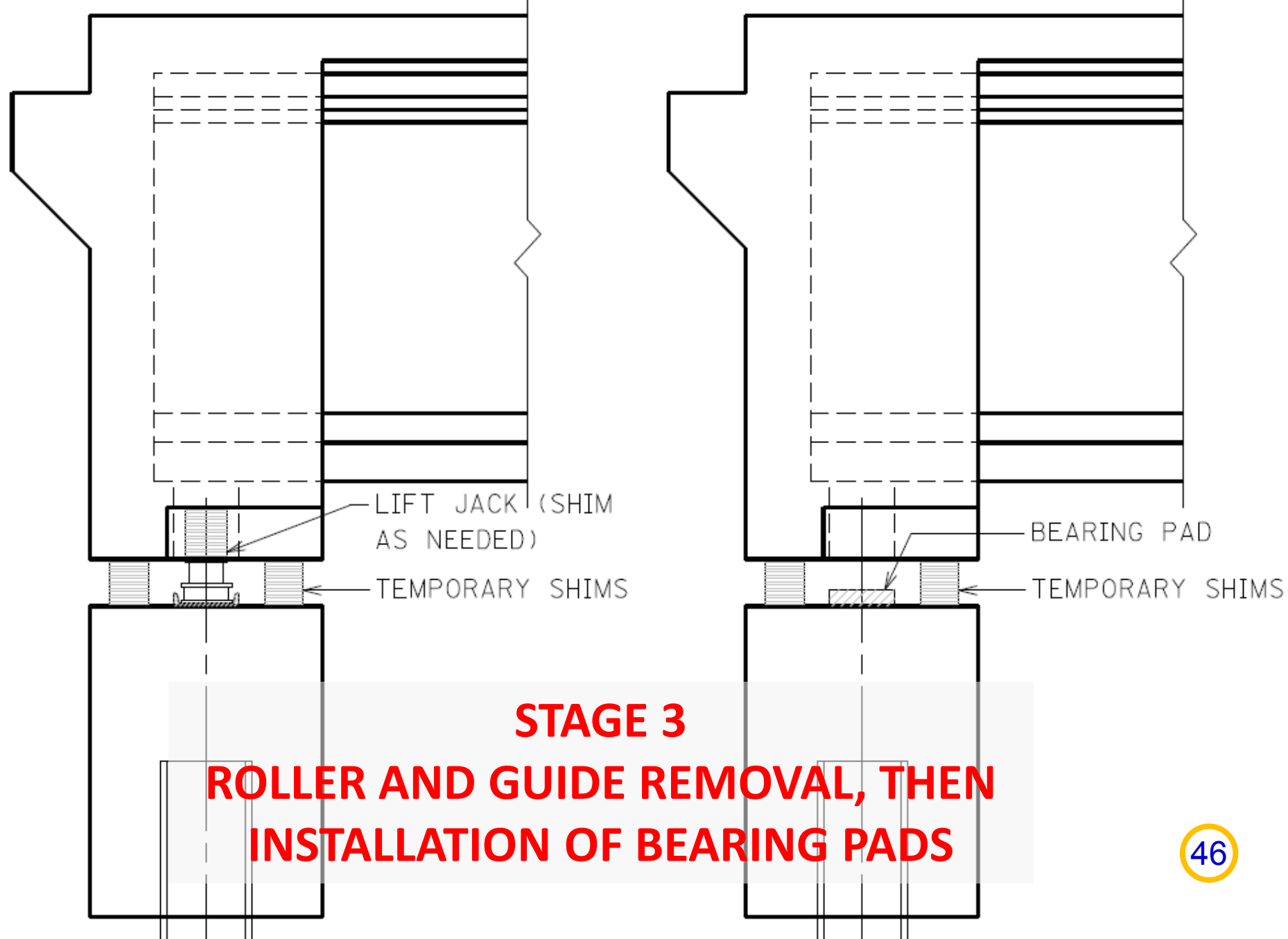
Rollers under Girders

Jacks in Jacking Bays

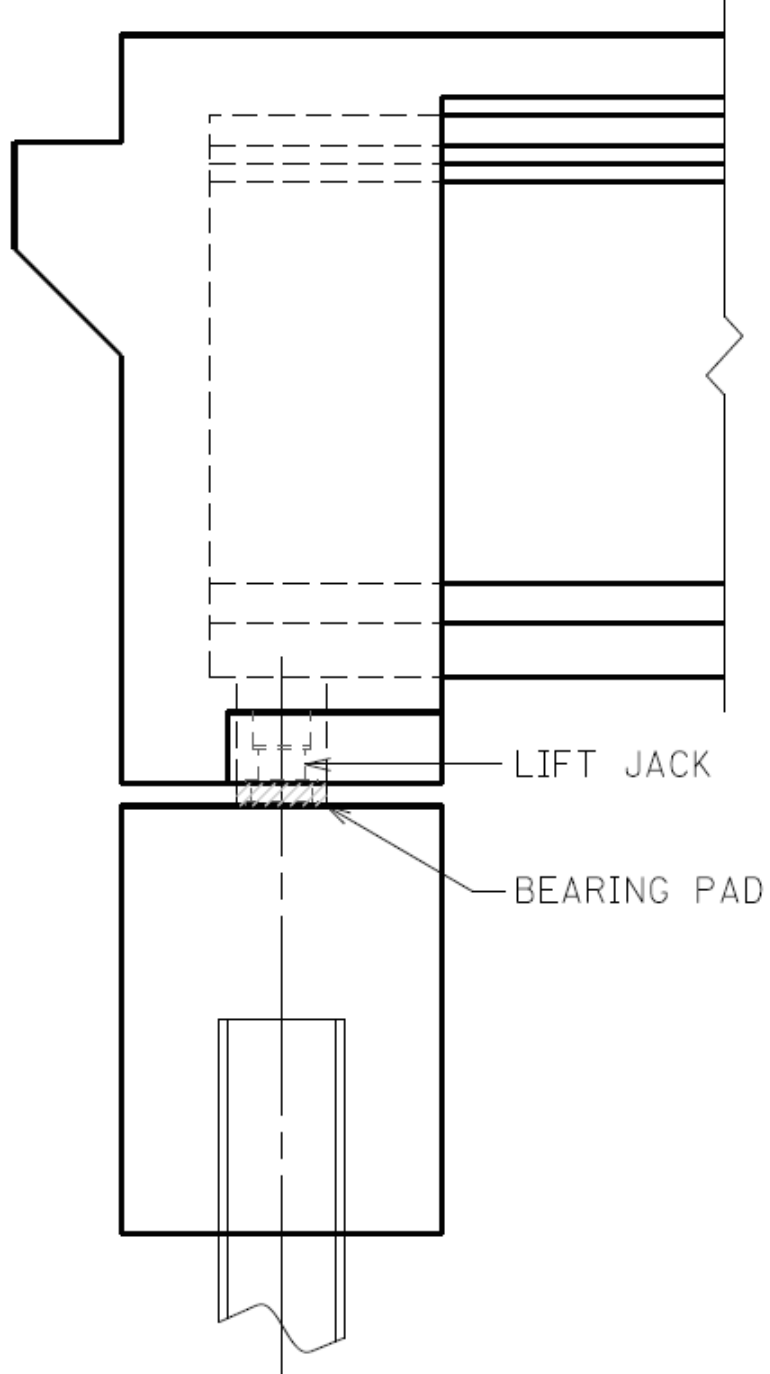


















Horizontal Jacking Operation

