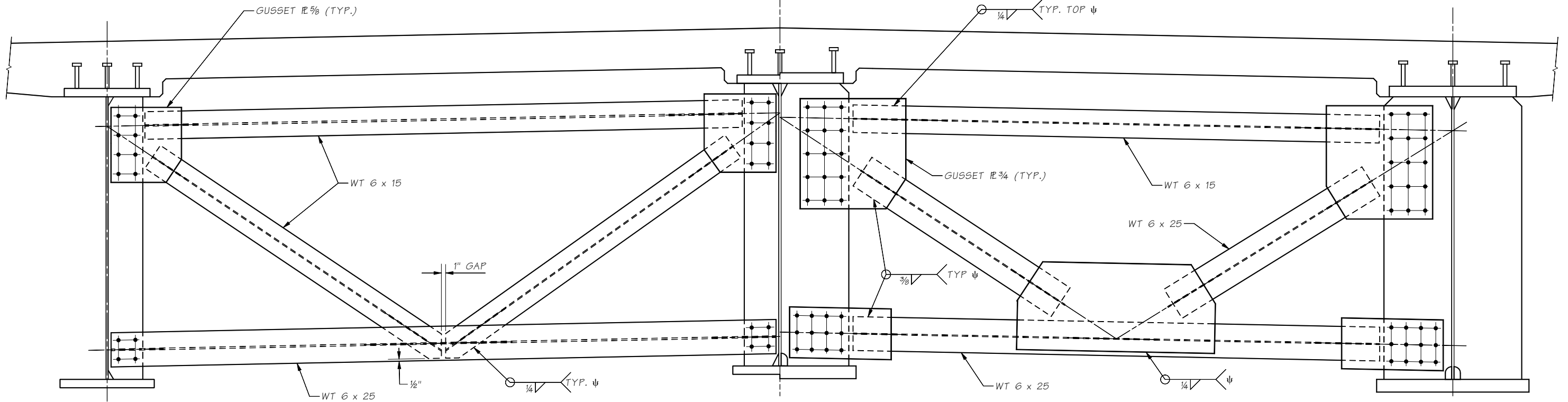


LAST REVISION 12-11-2014

SR JOB NO. SHEET

6.4-AS

← EXAMPLE INTERMEDIATE CROSSFRAME EXAMPLE PIER CROSSFRAME →



EXAMPLE INTERMEDIATE CROSSFRAME

NOTES FOR INTERMEDIATE CROSSFRAMES:

1. EXAMPLE SHOWN IS REPRESENTATIVE OF A MODERATE SPAN BRIDGE WITHOUT SIGNIFICANT CURVATURE OR SKEW.
2. WHERE CURVATURE IS PRESENT, THE CROSSFRAMES SHALL BE CONSIDERED MAIN LOAD CARRYING MEMBERS, DESIGNED FOR ALL DEAD AND LIVE LOADS. MARK ALL COMPONENTS \odot . FILLET WELDED CONNECTIONS MUST BE CHECKED FOR FATIGUE CATEGORY E OR E', PER LRFD TABLE 6.6.1.2.3-1 FIG. 7.1. ALTERNATIVELY, DESIGN SHOP CONNECTIONS AS BOLTED.

ψ DO NOT WRAP WELDS AT EDGES

EXAMPLE PIER CROSSFRAME

NOTES FOR PIER CROSSFRAMES:

1. EXAMPLE SHOWN IS REPRESENTATIVE OF A MODERATE SPAN BRIDGE WITHOUT SIGNIFICANT CURVATURE OR SKEW.
2. DESIGN MEMBERS AND CONNECTIONS FOR SEISMIC DEMAND. TYPICAL INTERIOR PIER CROSSFRAMES ARE CAPACITY PROTECTED COMPONENTS. VERIFY STRENGTH LOAD CASES ARE SATISFIED.
3. VERIFY STRENGTHS OF UPPER AND LOWER STIFFENER WELDS ARE SUFFICIENT FOR SEISMIC LOAD PATH, IN ADDITION TO STRENGTH LOAD CASES.
4. RESISTANCE FACTOR FOR BOLTS, EXTREME LIMIT STATE = 0.80 PER LRFD 6.5.5. ALL OTHER COMPONENTS = 1.0
5. WHERE FATIGUE STRESS RANGE IS A CONCERN, CHECK WELD DETAILS OR USE BOLTED SHOP CONNECTIONS.

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|-----------------------|------|----------|----|-------|--|--|--|--|
| Bridge Design Engr. | | | | | | | | |
| Supervisor | | | | | | | | |
| Designed By | | | | | | | | |
| Checked By | | | | | | | | |
| Detailed By | | | | | | | | |
| Bridge Projects Engr. | | | | | | | | |
| Prelim. Plan By | | | | | | | | |
| Architect/Specialist | | | | | | | | |
| | DATE | REVISION | BY | APP'D | | | | |

BRIDGE AND STRUCTURES OFFICE



EXAMPLE CROSSFRAME DETAILS

BRIDGE SHEET NO. OF SHEETS