

Identification of "T1" Steel (AASHTO M270 Grade 100 (ASTM A514/A517)) on Structures in Which MoDOT Serves as Lead State

| Potential Bridges Based on Criteria | | | | | | Location of T1 Steel Based on Review of Shop Drawings | | | | Concerns | | Deficiencies | | Comments |
|-------------------------------------|-------------------|--------------------------------|---|------------------------|----------|---|---------|------------------------|---|---|--|--------------|----|----------|
| Number | County | Route | Over | Alias | Yr Built | Item 59 | Span(s) | Member/Element | Construction | Component | TMS | Report | | |
| A1501E | St. Louis City | I-64E | Mississippi River | Poplar Street Approach | 1964 | 4 | E5 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bt 5 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| | | | | | | | E6 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bts 5 & 6 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| | | | | | | | E7 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bt 6 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| A1501W | St. Louis City | I-64W | Mississippi River | Poplar Street Approach | 1964 | 5 | W5 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bt 5 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| | | | | | | | W6 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bts 5 & 6 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| | | | | | | | W7 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bts 6 & 7 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| | | | | | | | W8 | Main Girders (#2 & #5) | Plate Girder | T/B Flanges in Neg. Moment Area @ Bt 7 | 1) FTW, 2) Flange/Web Butt, and 3) Bearing Stiffener Welds | NO | NO | |
| A1700 | Pemiscot | I-155 | Mississippi River | Caruthersville | 1975 | 7 | 15 | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Pr 16 | 1) FTW and 3) Flange Butt Welds | NO | NO | |
| | | | | | | | 16 | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Prs 16 & 17 | 1) FTW and 3) Flange Butt Welds | NO | NO | |
| | | | | | | | 17 | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Prs 17 & 18 | 1) FTW and 3) Flange Butt Welds | NO | NO | |
| | | | | | | | 18 | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Pr 18 | 1) FTW and 3) Flange Butt Welds | NO | NO | |
| | | | | | | | 19 | L10 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | L10-L12 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L12 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L12-L14 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L14 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | L14-U14 | Box Girder | Plates and Cover Plates and Splice Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | U8 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | U8-U10 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | U10 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | U10-U12 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | U12 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | U12-U14 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | U14 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | L14-M15 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L14-L16 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L16 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L16-L18 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L18 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | L18-M19 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L20 | Bolted Connection | Gusset Plate | None | NO | NO | | |
| | | | | | | | L20-M21 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L24 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | L24-M25 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L24-L26 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L26 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L26-L28 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L28 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | L28-L30 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L30 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L30-L32 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L32 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L32-L34 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L34 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | L34-L36 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L36 | Bolted Connection | Gusset Plate | None | NO | NO | | |
| | | | | | | | L36-U37 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | L38 | Bolted Connection | Gusset Plate and Diaphragm | None | NO | NO | | |
| | | | | | | | M15 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | M15-U16 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | M17 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | |
| | | | | | | | M17-L18 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| | | | | | | | M19 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | |
| | | | | | | | M19-U20 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | |
| M21 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | | | | | | | | |
| M21-U22 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| M23 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | | | | | | | | |
| M23-L24 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| M25 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | | | | | | | | | |
| M25-U26 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| M35 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | | | | | | | | |
| M35-L36 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| U14-U16 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| U16 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | | | | | | | | |
| U16-M17 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| U20 | Bolted Connection | Gusset Plate | None | NO | NO | | | | | | | | | |
| U22 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | | | | | | | | | |
| U22-M23 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |
| U22-U24 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | | | | | | | | | |

| | | | | | | | | | | | | | | |
|-------|-------------|-------|----------------|------------|------|----|----|------------------------|-------------------|---|---|-----|-----|-----------------------|
| | | | | | | | | U24 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U24-U26 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U26 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U26-U28 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U28 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U28-U30 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U30 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U30-U32 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U32 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U32-U34 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U34 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U34-M35 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U34-U37 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U37 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U37-L38 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | 21 | | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Pr 22 | 1) FTW and 3) Flange Butt Welds | N/A | N/A | TnDOT Responsibility |
| | | | | | | 22 | | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Prs 22 & 23 | 1) FTW and 3) Flange Butt Welds | N/A | N/A | TnDOT Responsibility |
| | | | | | | 23 | | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Prs 23 & 24 | 1) FTW and 3) Flange Butt Welds | N/A | N/A | TnDOT Responsibility |
| | | | | | | 24 | | Main Girders (#3 & #8) | Plate Girder | T/B Flanges in Neg. Moment Area @ Pr 24 | 1) FTW and 3) Flange Butt Welds | N/A | N/A | TnDOT Responsibility |
| A3292 | St. Charles | I-70E | Missouri River | Blanchette | 1978 | 5 | 14 | L2 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L2-L4 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L4 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L4-L6 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L6 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L6-L8 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L8 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L8-L10 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L10 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L10-L12 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L13 | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L13-U14 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L13-L15 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L15 | Bolted Connection | Gusset and Lateral Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U3 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U3-U5 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U5 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U5-U7 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U7 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U7-U9 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U9 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U14 | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U14-U15 | Box Girder | Plates and Cover Plates | Cover Plate to Plate Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U15 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | 15 | L15-L17 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L17 | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L19 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L21 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L21-L23 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L23 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L23-L21' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L21' | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L19' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L17' | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L17'-U16' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L17'-L15' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L15' | Bolted Connection | Gusset and Lateral Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U15-U16 | Box Girder | Plates and Cover Plates | Cover Plate to Plate Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U16 | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U16-L17 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U20 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U20-U22 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U22 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U22-U22' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U22' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U22'-U20' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U20' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U16' | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U16'-U15' | Box Girder | Plates and Cover Plates | Cover Plate to Plate Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U15' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | 16 | L15'-L13' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L13' | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L12'-L10' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L10' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |

| | | | | | | | | | | | | | | |
|-------|-------------|-------|----------------|----------------------|------|---|-------------|---------------------|-------------------|---|---|----|----|-----------------------|
| | | | | | | | | L10'-L8' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L8' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L8'-L6' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L6' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L6'-L4' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L4' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L4'-L2' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | L2' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U15'-U14' | Box Girder | Plates and Cover Plates | Cover Plate to Plate Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U14' | Bolted Connection | Gusset, Diagonal Fill and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U14'-L13' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U9' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U9'-U7' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U7' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U7'-U5' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U5' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U5'-U3' | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | Consultant Insp. 2009 |
| | | | | | | | | U3' | Bolted Connection | Gusset and Splice Plates | None | NO | NO | Consultant Insp. 2009 |
| A4017 | St. Charles | I-64E | Missouri River | Weldon Springs/Gumbo | 1991 | 7 | 3, 4, 5 & 6 | L0 | Bolted Connection | Gusset Plate | None | NO | NO | |
| | | | | | | | | L0-U1 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L2 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | L2-L4 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L4 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | L4-L6 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L6 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | L6-L8 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L8 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | L8-L10 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L10 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | L10-U11 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L12 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | L12-U13 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L14 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | L14-U15 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L14-L16 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | L16 | Bolted Connection | Gusset, Fill, Splice and Lateral Plates | None | NO | NO | |
| | | | | | | | | U1 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U1-U3 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U3 | Bolted Connection | Splice Plate | None | NO | NO | |
| | | | | | | | | U3-U5 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U5 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U5-U7 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U7 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U7-U9 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U9 | Bolted Connection | Gusset and Splice Plates | None | NO | NO | |
| | | | | | | | | U11 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U13 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U13-U15 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | | U15 | Bolted Connection | Gusset, Fill and Splice Plates | None | NO | NO | |
| | | | | | | | | U15-U16 | Box Girder | Plates and Cover Plates | 1) Cover Plate to Plate and 2) Butt Welds | NO | NO | |
| | | | | | | | 3/4 | Floor Beam @ Pier 4 | Plate Girder | Web and T/B Flanges | 1) FtW and 2) Butt Welds | NO | NO | |
| | | | | | | | 5/6 | Floor Beam @ Pier 6 | Plate Girder | Web and T/B Flanges | 1) FtW and 2) Butt Welds | NO | NO | |