

**Appendix II**

**FABRICATOR \_\_\_\_\_ RATING FOR SHOP DRAWINGS**

**Project \_\_\_\_\_ Bid Line No. \_\_\_\_\_ Shop I.D. \_\_\_\_\_ Bridge: \_\_\_\_\_**

**Rater/Date \_\_\_\_\_ Reviewer/Date \_\_\_\_\_**

**Contractor Coordination (10 %) (1 point each)**

1. The contractor's P.E. has stamped and approved each shop drawing, including revisions.
2. Shop drawing notes indicate that the contractor field verified the existing structure per the contract.
3. Contractor submitted documentation addresses any contract changes due to, but not limited to, field conditions, plan errors or fabrication issues.
4. Contractor accepted shop drawings were received seven (7) working days prior to the start of fabrication.

Y	N	NA

**Title Block (1%) (1 point each)**

1. The project number is per the contract.
2. All bid line numbers are shown and separated per the contract.
3. The county, route and section of the structure are per the contract.
4. The structure file number (SFN) is shown.


**General Notes (5%) (1 point u.n.o.)**

1. The type and grade of steel are per the contract. (15 pts)
2. Charpy V Notch (CVN) is specified per the contract. (15 pts)
3. Non-destructive testing (NDT) is specified per the contract. (10 pts)
4. Welding specifications are per the contract. (10 pts.)
5. The system that produces high strength bolt holes is specified. (5 pts.)
6. The match marking system is specified per supplemental specification 863.
7. Surface preparation is specified per the contract.
8. The coating system is specified per the contract.
9. The rounding of all sheared or flame cut edges and corners is specified.


**Framing or Erection Plan (10%) (1 point u.n.o.)**

1. Main and secondary member piece marks correlate to detail drawings. (15 pts)
2. The skew of substructures is per the contract.
3. Transverse or radial center to center main member spacing is per the contract.

Y	N	NA

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4. The field splices are dimensioned from a centerline of bearing.
5. The center to center of bearings is dimensioned along the full length base line.


**Lay down Assemblies (30%) (1 point u.n.o.)**

**Vertical Lay down Assemblies**

1. A full length base line is from abutment to abutment. (5 pts)
2. Cambers are dimensioned vertically from the baseline at points shown in the contract. At the minimum, these points shall be bearings, field splices and approximate span quarter points. (5 pts.)
3. The baseline is horizontally dimensioned at the camber points. (5 pts)
4. Vertical offsets are dimensioned to a consistent location on each member.


**Horizontal Lay down Assemblies**

1. A full length base line is from abutment to abutment. (15 pts)
2. Bearings, mid-ordinates and field splices are dimensioned to the centerline of web from a perpendicular to the baseline. (10 pts)


**Sub-Assemblies**

1. Transverse or longitudinal main members, to which diaphragms and floor beams frame or connect, are detailed to locate bearings and splices from plan and elevation baselines. (15 pts)

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**Main Member Details (30%) (1 point u.n.o.)**

1. All material sizes, type, quantity and grade are per the contract. (30 pts)
2. Fracture critical plates are identified per AWS and the contract. (25 pts)
3. Fracture critical welds are identified by WPS number and FC designation per AWS and the contract. (25 pts)
4. The bolt lengths, diameters, holes and types are shown per the contract. (20 pts)
5. The splice pattern, edge distance, and maximum gap are per the contract (20 pts)
6. All weld sizes, terminations and other details are per the contract. (20 pts)
7. The bearing stiffeners are plumb at erection and have end fit conditions per the contract. (15 pts)
8. The contract spacing for intermediate and connection stiffeners is not exceeded. (15 pts)
9. All stiffeners have clips, section views and end fit conditions per the contract. (15 pts)
