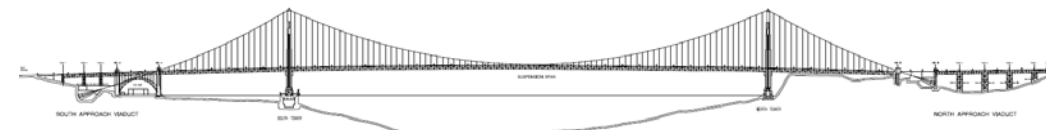
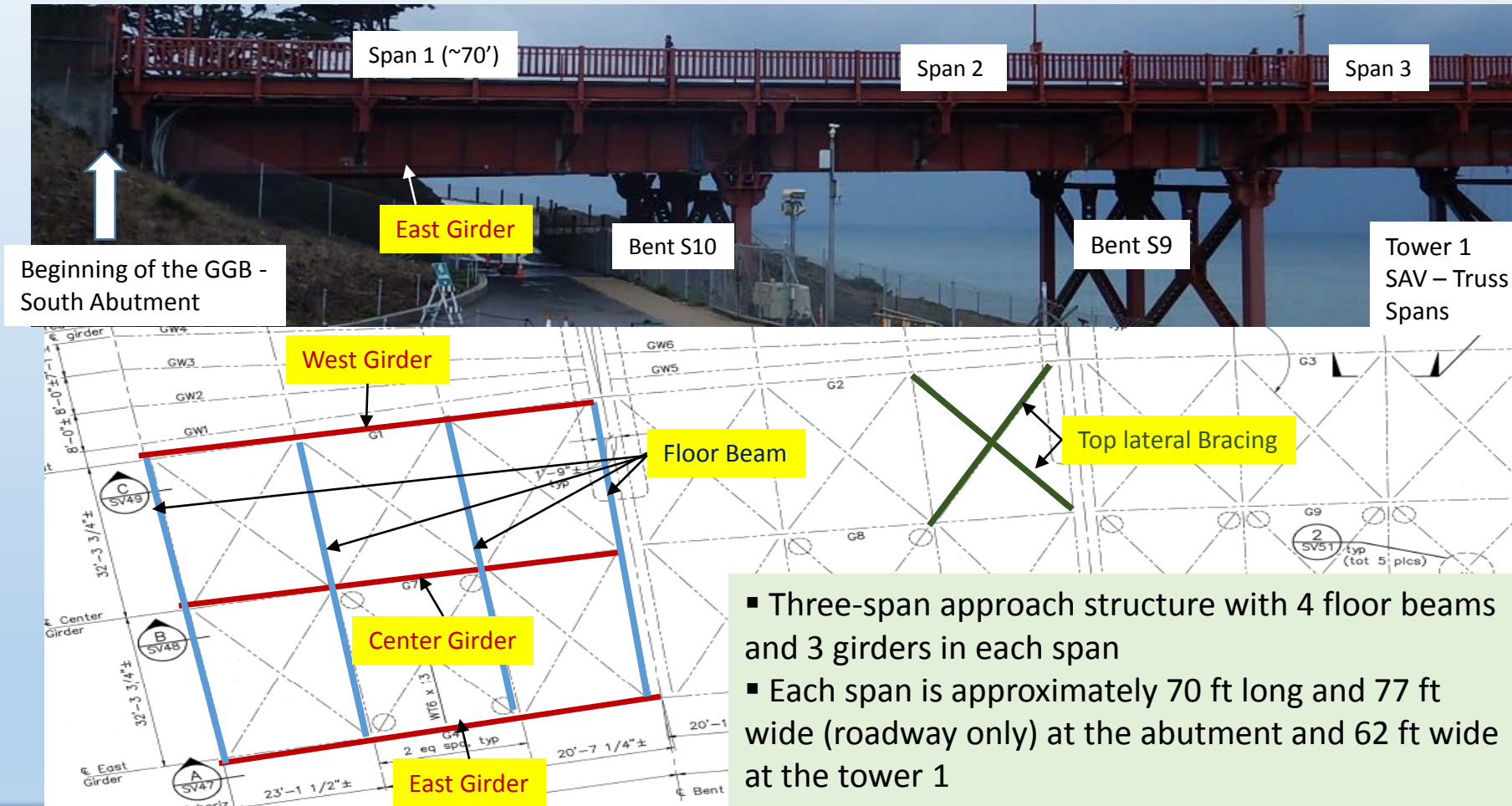


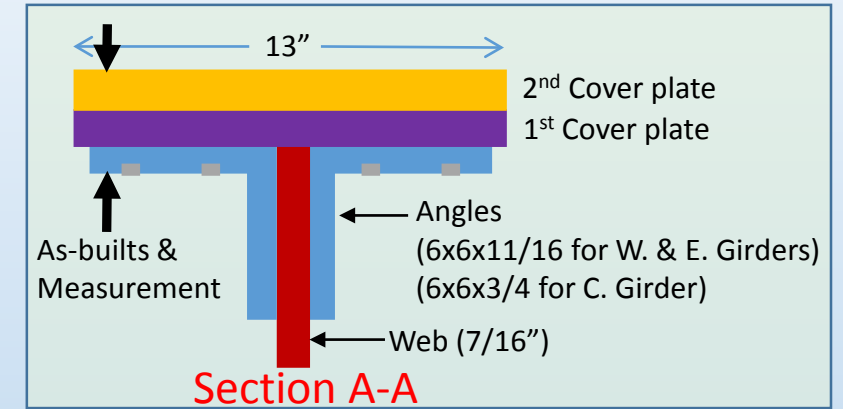
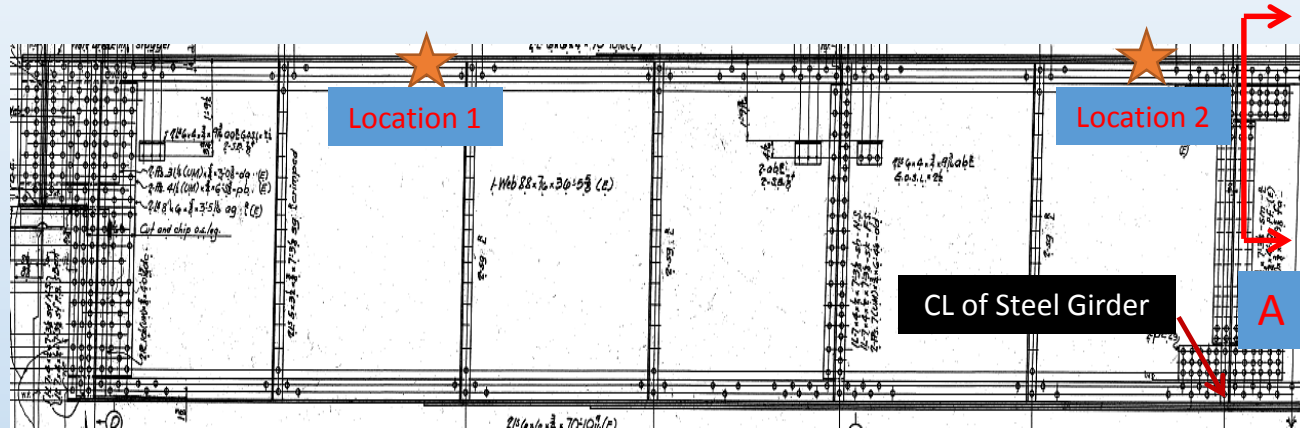
UNIT 1 Girder Spans: Special Inspections for Steel Girders



Unit 1 Girder Spans



Field Measurements (Top Flange)

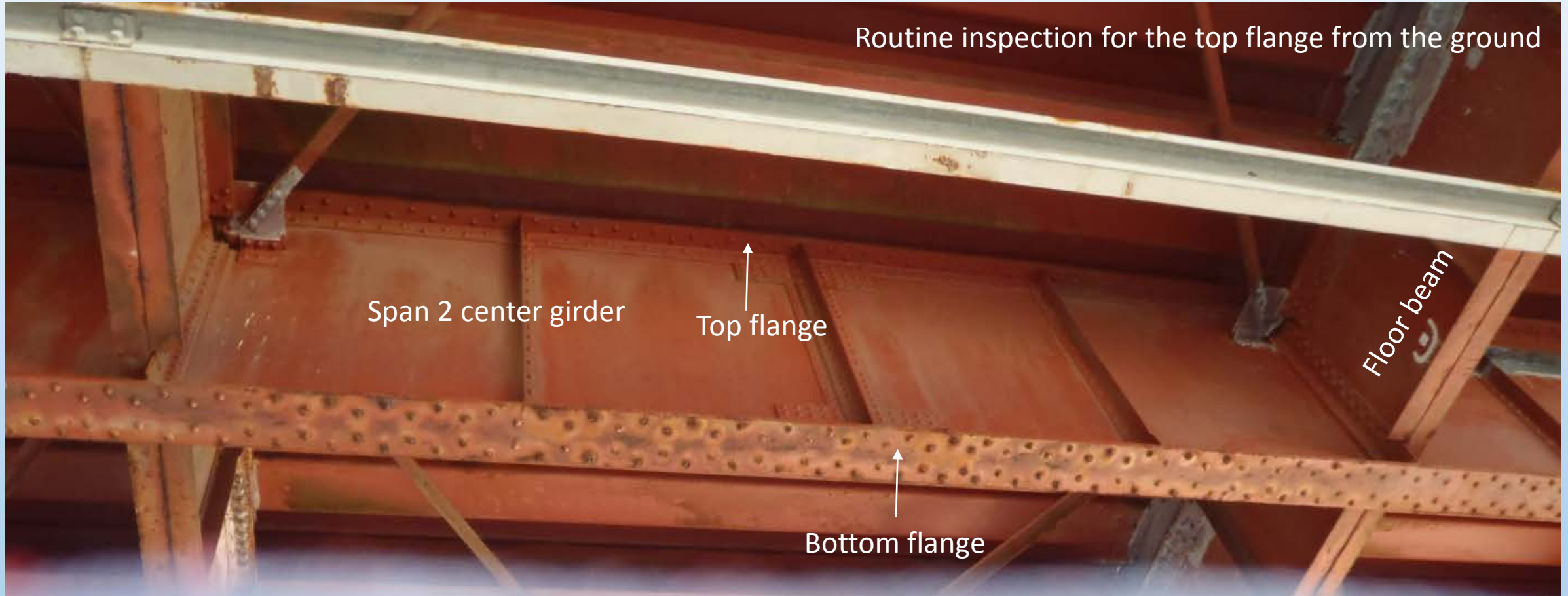


	Location 1 (1 st cover plate only)			Location 2 (both cover plates)			Fasteners	
	As-built	Measured	Diff. (%)	As-built	Measured	Diff. (%)	Type ⁽²⁾	Condition
West Girder	1.3065"	1.284"	0.02	1.875"	1.85"	0.03	Bolt	Good
Center Girder ⁽¹⁾	1.438"	1.43"	0.01	2.062"	1.99"	0.1	Rivet	Fair/Poor
East Girder	1.3065"	1.3"	0.0	1.93"	1.93"	0.0	Bolt	Good

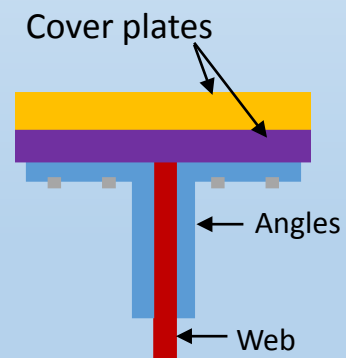
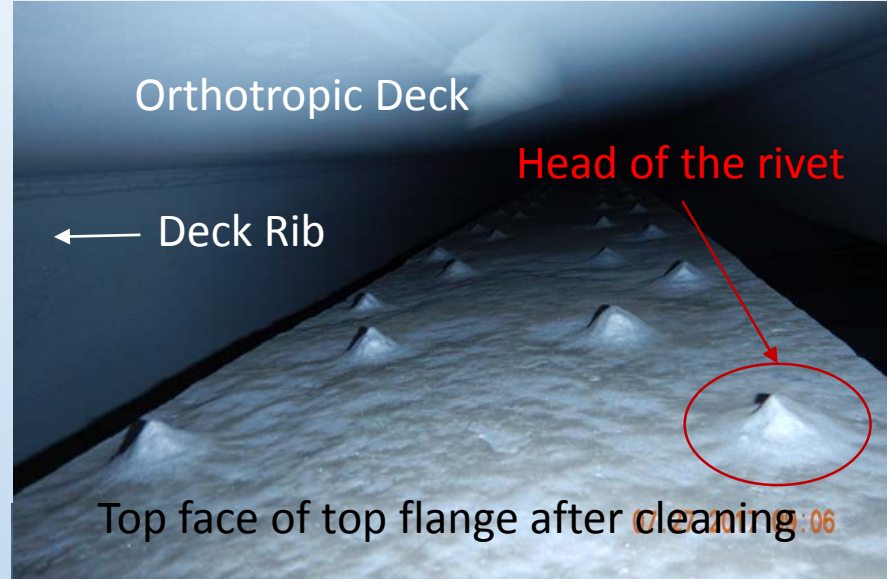
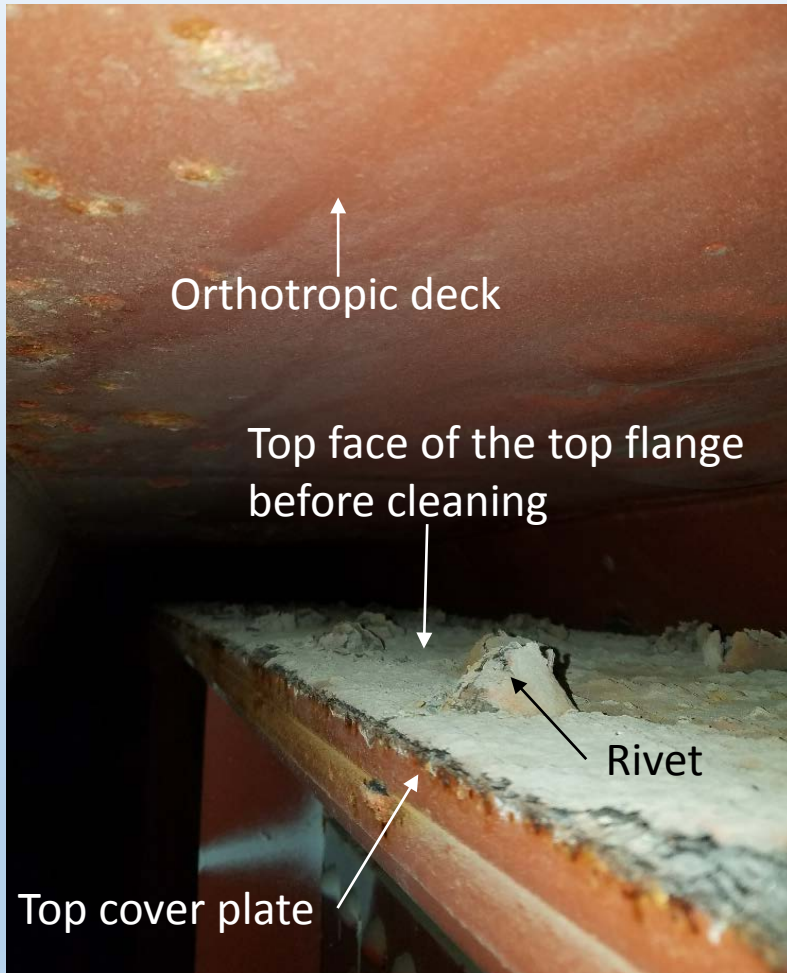
(1) Center Girder shows moderate to heavy corrosion on rivet heads and steel pitting on top flange

(2) Both W. and E. Girders have bolts, while Center Girder has rivets

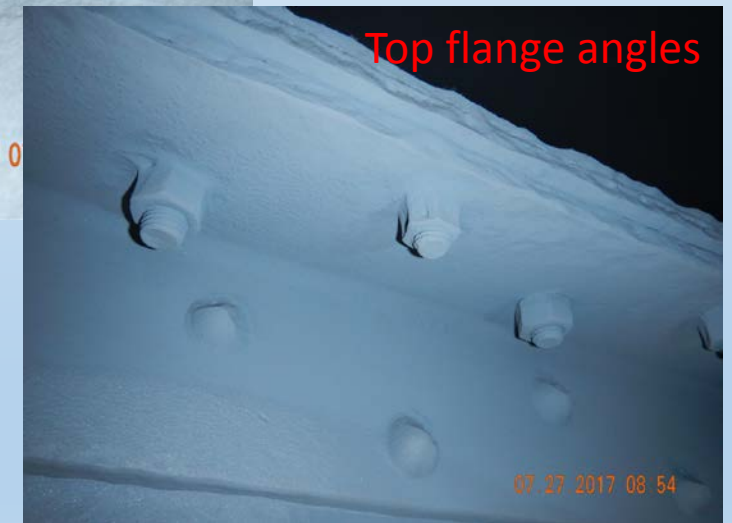
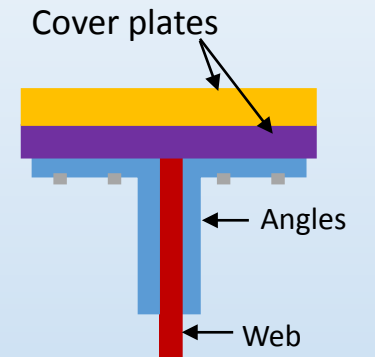
Span 2 Center Girder



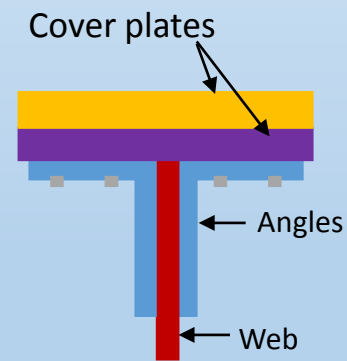
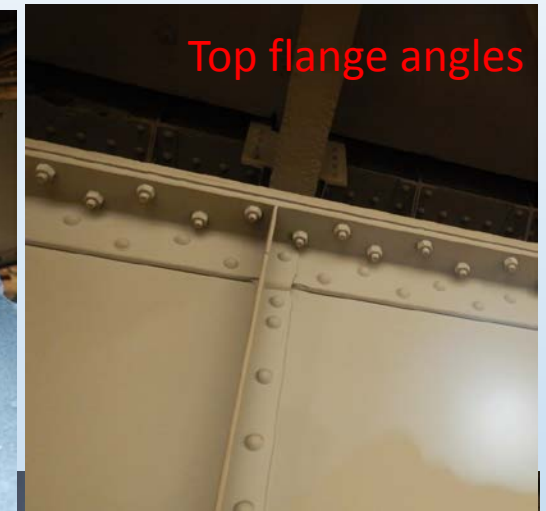
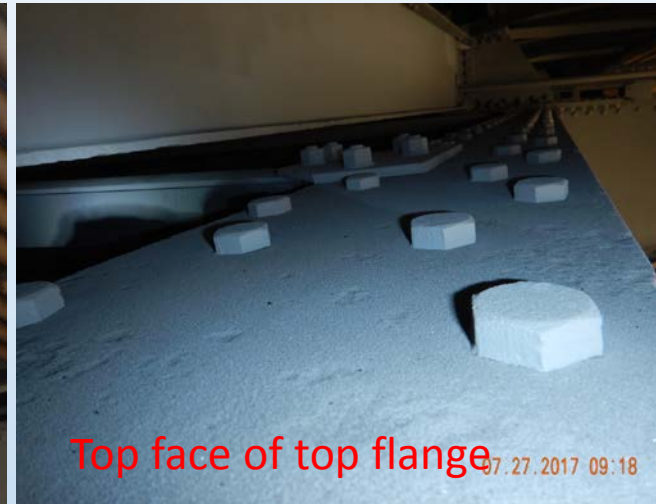
Span 2 Center Girder



Span 2 West Girder



Span 2 East Girder



Bolts vs Rivets

■ Span 2 Center Girder (Rivets)



■ Span 2 East & West Girders (Bolts)



No information on when rivets on the W. and E. Girders were replaced with bolts is available.