

# ULTRASONIC TESTING INSPECTION REPORT

Structure ID 08119700  
 Bridge No. 306  
 Bridge Name West Monitor  
 Structure Type Thru Truss

Agency: Chelan County

Date 7/26/2007  
 Hours 11.0

Inspector: JSW G0303  
 Co-Inspector: TJN

Truss / Girder	Span	Location	Feature Inspected	Detail Description	Inspection Method	Surface Preparation	Remarks
East	3	L0	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.80" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.32" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.24" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L3	Pin	2-3/8" Diameter pin.	UT	NO	N/I L=13.24" D=2" T=1" d=2.375". Pin end is concave. Unable to UT inside face.
East	3	L4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.08" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L5	Pin	2-3/8" Diameter pin.	UT	NO	N/I L=13.08" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.24" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	L7	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=16.55" D=2" T=1" d=2.375". Unable to UT inside face.
East	3	U1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.39" D=2" T=1" d=2.375"
East	3	U2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.76" D=2" T=1" d=2.375"
East	3	U3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.92" D=2" T=1" d=2.375"
East	3	U4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.78" D=2" T=1" d=2.375"
East	3	U5	Pin	2-3/8" Diameter pin.	UT	GR	N/I L=12.87" D=2" T=1" d=2.375". East face too rough to UT.
East	3	U6	Pin	2-3/8" Diameter pin.	UT	GR	N/I L=13.52" D=2" T=1" d=2.375". Pin end is gouged.

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East	4	L0	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=16.70" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.15" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.10" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.24" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.11" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.23" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.15" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	L7	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.75" D=2" T=1" d=2.375". Unable to UT inside face.
East	4	U1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.35" D=2" T=1" d=2.375". West face gouged. East face recessed.
East	4	U2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375"
East	4	U3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375"
East	4	U4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.79" D=2" T=1" d=2.375"
East	4	U5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.58" D=2" T=1" d=2.375". West face gouged.
East	4	U6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.55" D=2" T=1" d=2.375". East face gouged.

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West	3	L0	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=15.79" D=2" T=1" d=2.375". West end recessed in nut. Unable to UT inside face.
West	3	L1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.16" D=2" T=1" d=2.375". Inside face is accessible, but too rough to UT.
West	3	L2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.10" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	L3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.10" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	L4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.28" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	L5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.32" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	L6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.41" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	L7	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=16.54" D=2" T=1" d=2.375". Unable to UT inside face.
West	3	U1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.53" D=2" T=1" d=2.375"
West	3	U2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.89" D=2" T=1" d=2.375"
West	3	U3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.82" D=2" T=1" d=2.375"
West	3	U4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375"
West	3	U5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375". East face gouged.
West	3	U6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.52" D=2" T=1" d=2.375". West face gouged.

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West	4	L0	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=16.51" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.18" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.02" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.13" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.34" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.14" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L6	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.86" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	L7	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=15.75" D=2" T=1" d=2.375". Unable to UT inside face.
West	4	U1	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=13.53" D=2" T=1" d=2.375". East face gouged.
West	4	U2	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.89" D=2" T=1" d=2.375"
West	4	U3	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.82" D=2" T=1" d=2.375"
West	4	U4	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375"
West	4	U5	Pin	2-3/8" Diameter pin.	UT	WB	N/I L=12.77" D=2" T=1" d=2.375"
West	4	U6	Pin	2-3/8" Diameter pin.	UT	GR	N/I L=12.46" D=2" T=1" d=2.375"

INSPECTION METHODS

(VT) VISUAL  
 (PT) DYE PENETRANT  
 (UT) ULTRASONIC  
 (MT) MAGNETIC PARTICLE  
 (RT) RADIOGRAPHIC  
 (OT) OTHER

SURFACE PREPARATIONS

(NO) NONE  
 (WB) WIRE BRUSH  
 (GR) GRINDING  
 (OT) OTHER

PIN UT NOTATION

(N/I) NO INDICATIONS  
 (D) THREADED DIAMETER  
 (T) SHOULDER LENGTH  
 (L) PIN LENGTH  
 (d) PIN DIAMETER