

L0962 Cooper Co.
08/28/2017
Looking West





L0962 Cooper Co.
08/28/2017
Abut. 18, NE Side, Looking South



L0962 Cooper Co.
08/28/2017
From NE Side, looking West



L0962 Cooper Co.
08/28/2017
Abut. 18, Looking South, Rocker & Bearing 1



L0962 Cooper Co.

08/28/2017

Abut 18, Looking North, Rocker & Bearing 1



L0962 Cooper Co.
08/28/2017
Abut 18, Looking South, Rocker & Bearings 2 & 3



L0962 – Cooper Co.

08/28/2017

Abut 18, Looking South, Rocker & Bearing 2



L0962 Cooper Co.
08/28/2017
Looking West from Abutment 18





L0962 Cooper Co.
08/28/2017
Looking West from Abutment 18



L0962 Cooper Co.
08/28/2017
Looking West from Abutment 18





L0962 Cooper Co.
08/28/2017
Abutment 18, Strip Seal, WB Lanes



L0962 Cooper Co.
08/28/2017
Abutment 18, Strip Seal, WB Lanes

A photograph of a riverbank. In the foreground, there is a large, messy pile of driftwood, sticks, and some green vegetation on a muddy bank. The river water is murky and brown, reflecting the sky. In the background, more trees and vegetation are visible on the opposite bank. The text is overlaid on the right side of the image.

L0962 Cooper Co.
08/28/2017
Aggregation and Debris Upstream of Pier 15

L0962 Cooper Co.
08/28/2017
Looking West



L0962 Cooper Co.

08/28/2017

Finger Plate Expansion Device, Pier 15

WB lanes 70 F





L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device, Pier 15
WB lanes 70 F

L0962 Cooper Co.
08/28/2017
L4' Strip Seal, WB Lanes





L0962 Cooper Co.

08/28/2017

L8' Strip Seal, WB Lanes

L0962 Cooper Co.
08/28/2017
L12' Strip Seal, WB Lanes





L0962 Cooper Co.
08/28/2017
L16' Strip Seal, WB Lanes



L0962 Cooper Co.
08/28/2017
L19' Strip Seal, WB Lanes



L0962 Cooper Co.
08/28/2017
L19' Strip Seal, WB Lanes

L0962 Cooper Co.
08/28/2017
L16' Strip Seal, WB Lanes





L0962 Cooper Co.

08/28/2017

Barrier Curb Collision Damage

WB Lanes near L13

L0962 Cooper Co.
08/28/2017
L12' Strip Seal, WB Lanes





L0962 Cooper Co.
08/28/2017
L8' Strip Seal, WB Lanes



L0962 Cooper Co.

08/28/2017

L4' Strip Seal, WB Lanes



L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device
Pier 13, WB Lanes, 70 F





L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device
Pier 13, WB Lanes, 70 F



L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device
Pier 13, WB Lanes, 70 F

L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device
Pier 13, WB Lanes, 70 F





L0962 Cooper Co.
08/28/2017
Finger Plate Expansion Device
Pier 13, WB Lanes, 70 F

L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from Pier 10





L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from Pier 13



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from L4



L0962 — Cooper Co.
08/28/2017
WB Lanes, Looking E from L8



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from L 12



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from L16



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking E from L20



L0962 Cooper Co.
08/28/2017
WB Lanes, Diagonal B/W L16' & 117'
Minor Pack Rust in Splash Zone (typical)



L16

L0962 Cooper Co.
08/28/2017
WB Lanes, L16 Vertical,
Pack Rust in Splash Zone (typical)



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from Pier 15



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from L4'



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from L8'



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from L12'



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from L16'



L0962 Cooper Co.
08/28/2017
WB Lanes, Looking West from L20'



L0962 Cooper Co
08/28/2017
Looking South from L20

L0962 I-70 Cooper
Pier 15 Open Expansion Joint WBL
8-28-17



L0962 I-70 Cooper
Pier 15 Open Expansion Joint WBL
8-28-17

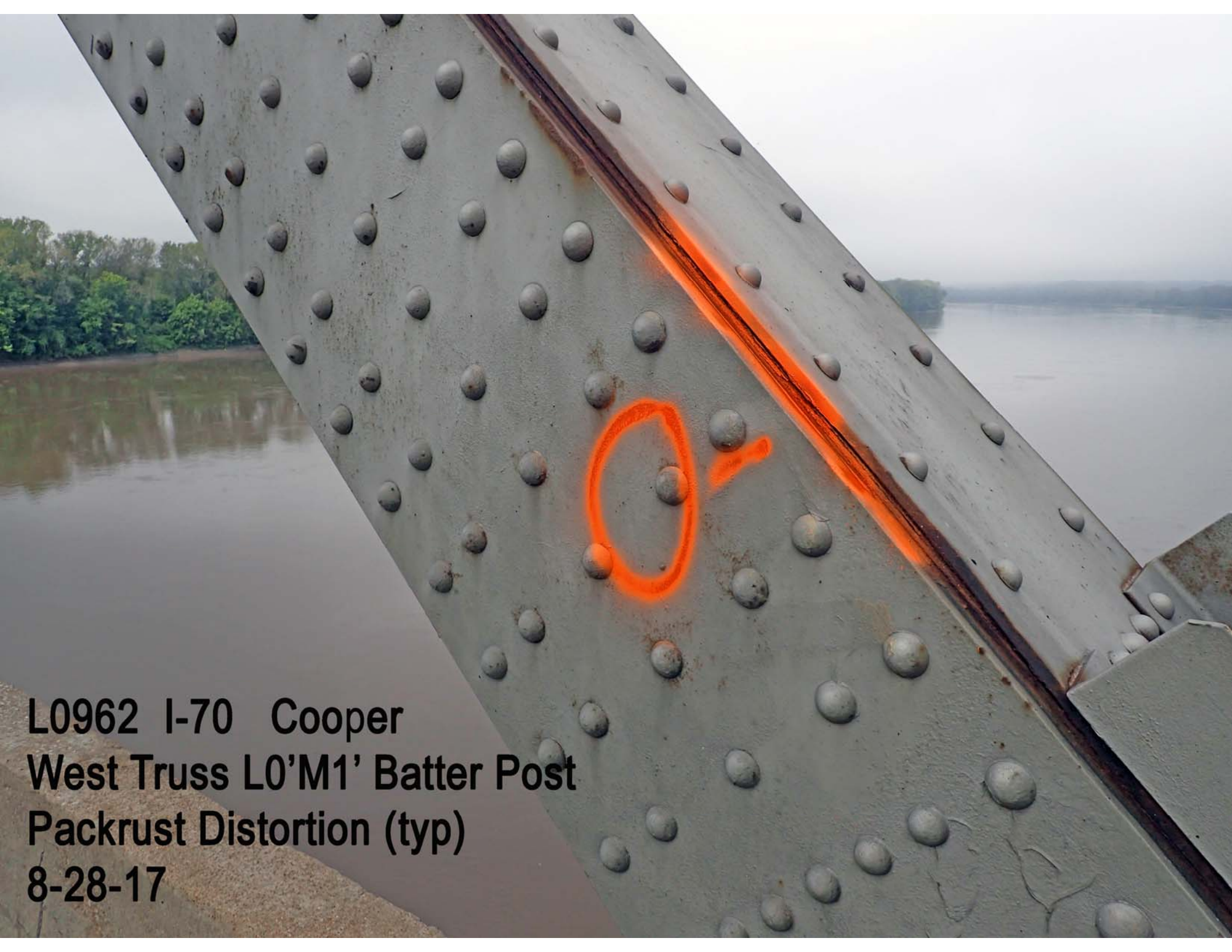




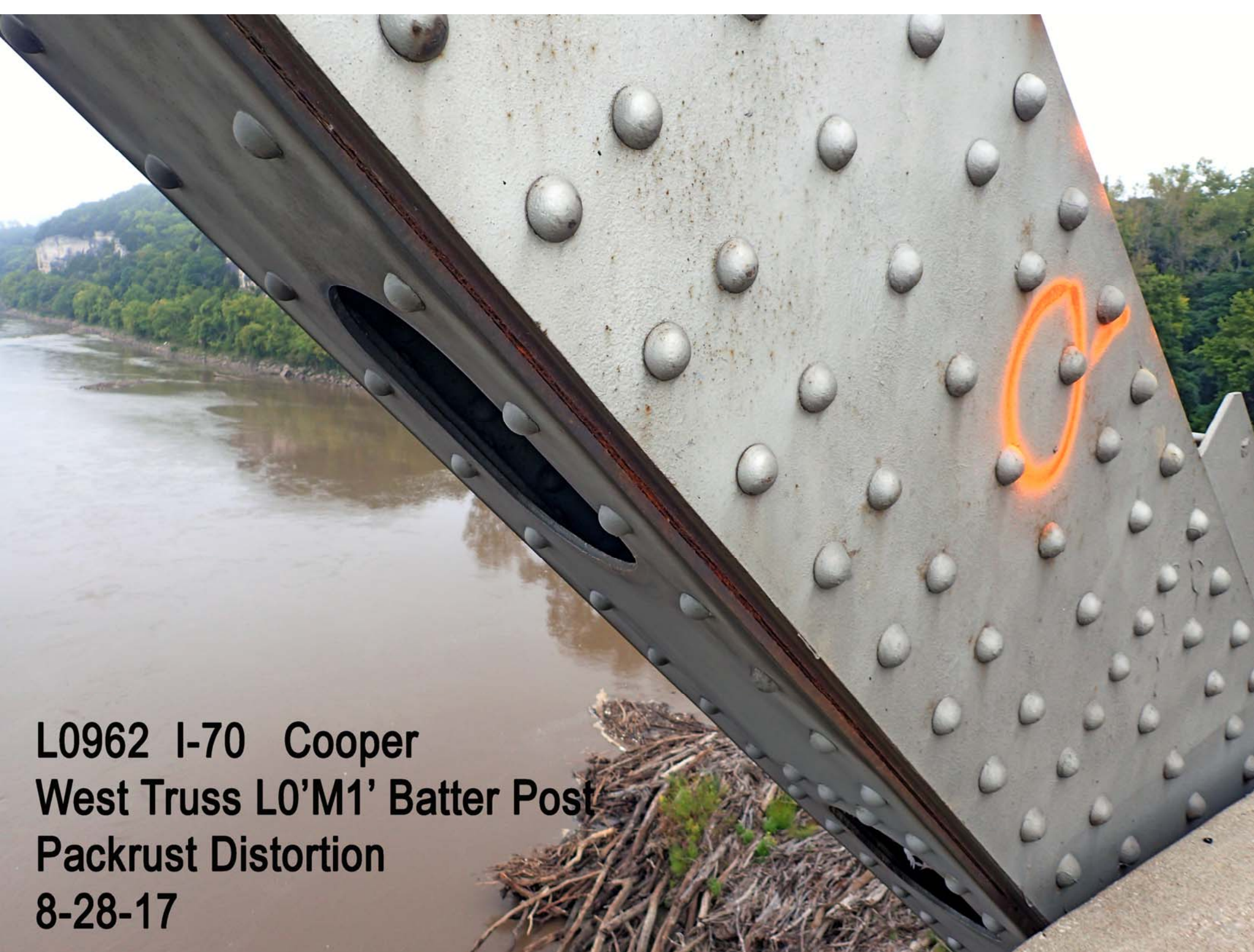
L0962 I-70 Cooper
East Portal
8-28-17



L0962 I-70 Cooper
East Portal
8-28-17

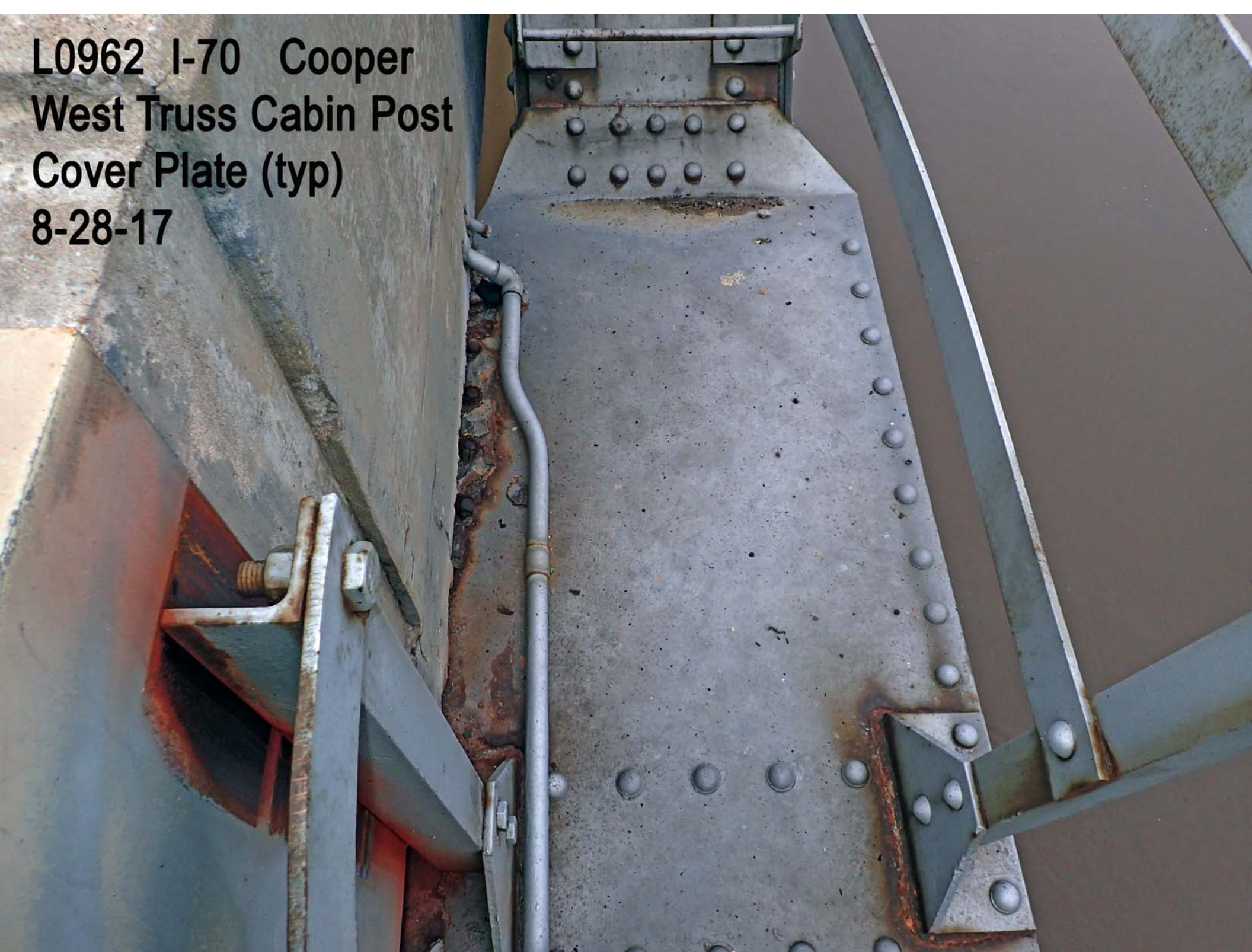


**L0962 I-70 Cooper
West Truss L0'M1' Batter Post
Packrust Distortion (typ)
8-28-17**



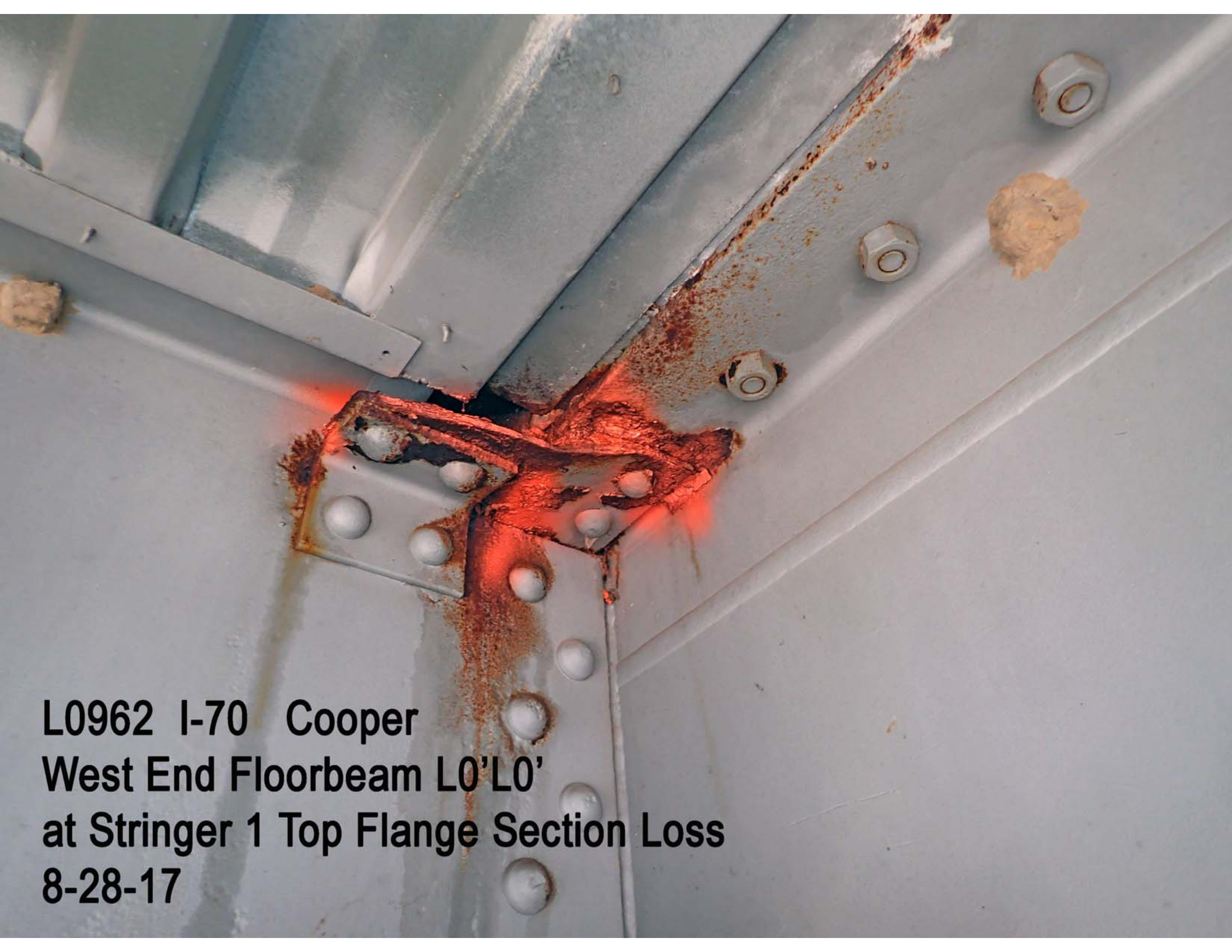
**L0962 I-70 Cooper
West Truss L0'M1' Batter Post
Packrust Distortion
8-28-17**

L0962 I-70 Cooper
West Truss Cabin Post
Cover Plate (typ)
8-28-17





**L0962 I-70 Cooper
West End Floorbeam L0'L0'
at Stringer 1 Top Flange Section Loss
8-28-17**



**L0962 I-70 Cooper
West End Floorbeam L0'L0'
at Stringer 1 Top Flange Section Loss
8-28-17**



**L0962 I-70 Cooper
West Truss L0' Inner
Gusset Plate Section Loss
8-28-17**

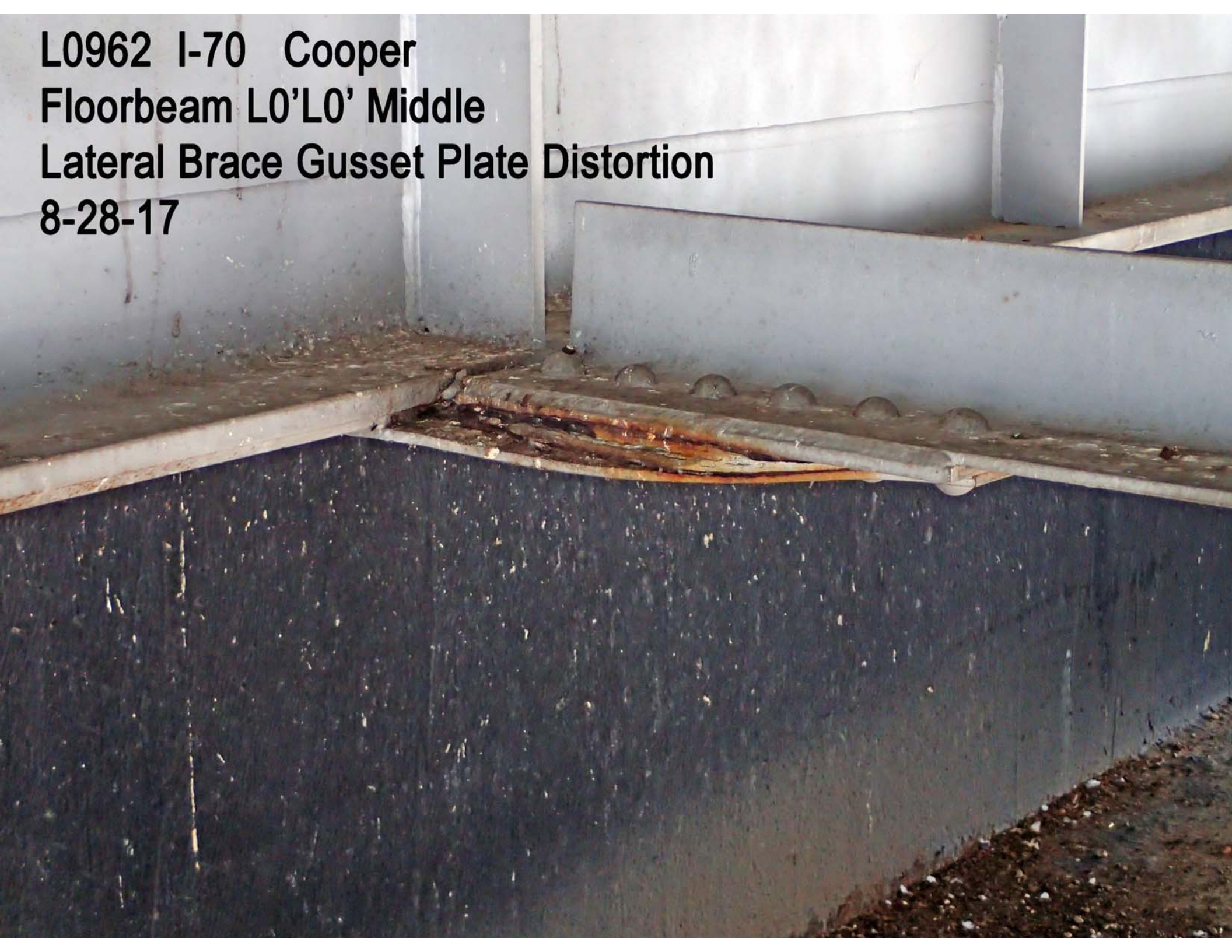


L0962 I-70 Cooper
Floorbeam L0'L0' East Side
Bottom Flange Rust
8-28-17

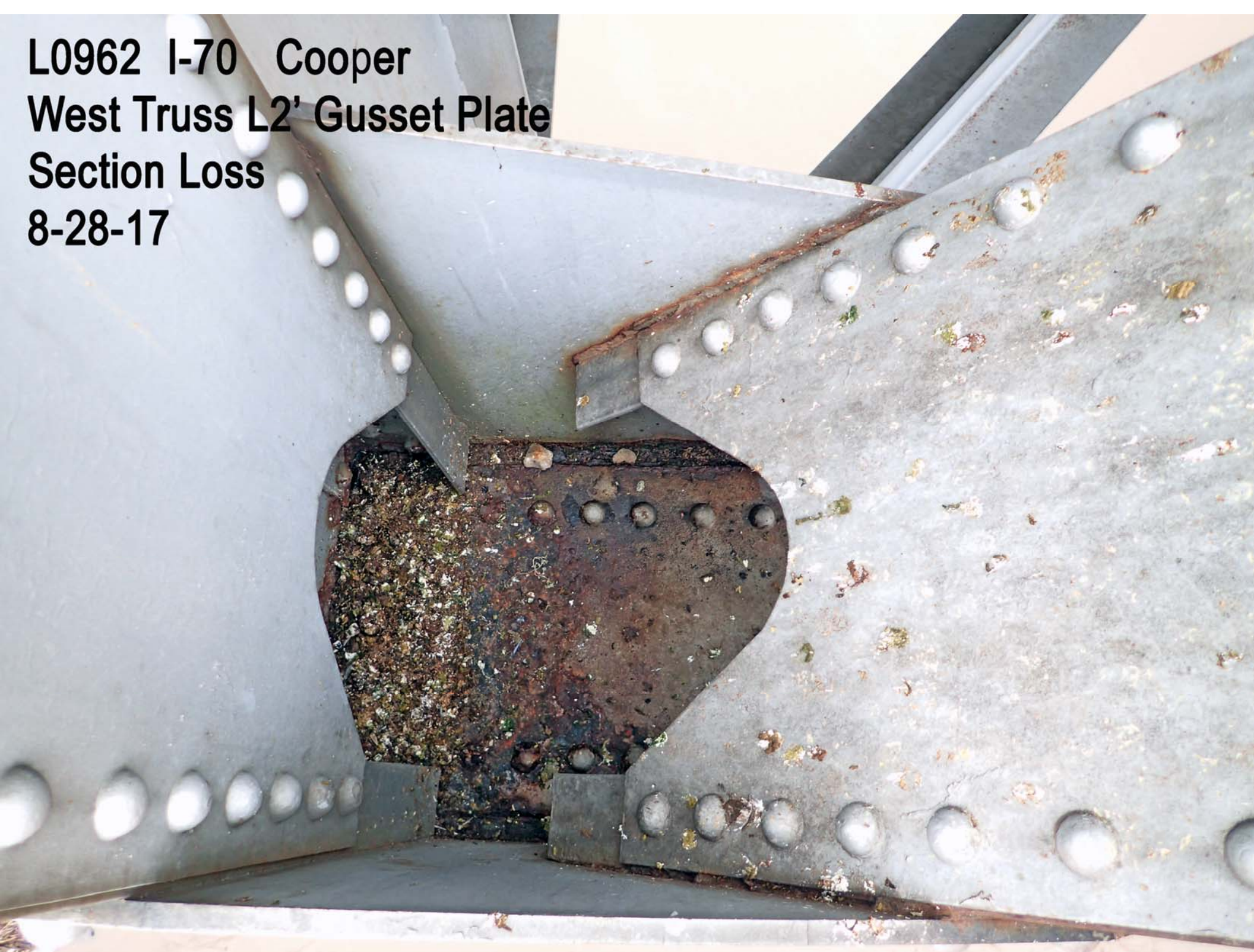
L0962 I-70 Cooper
West Truss L0'
Expansion Bearing
8-28-17



**L0962 I-70 Cooper
Floorbeam L0'L0' Middle
Lateral Brace Gusset Plate Distortion
8-28-17**



L0962 I-70 Cooper
West Truss L2' Gusset Plate
Section Loss
8-28-17





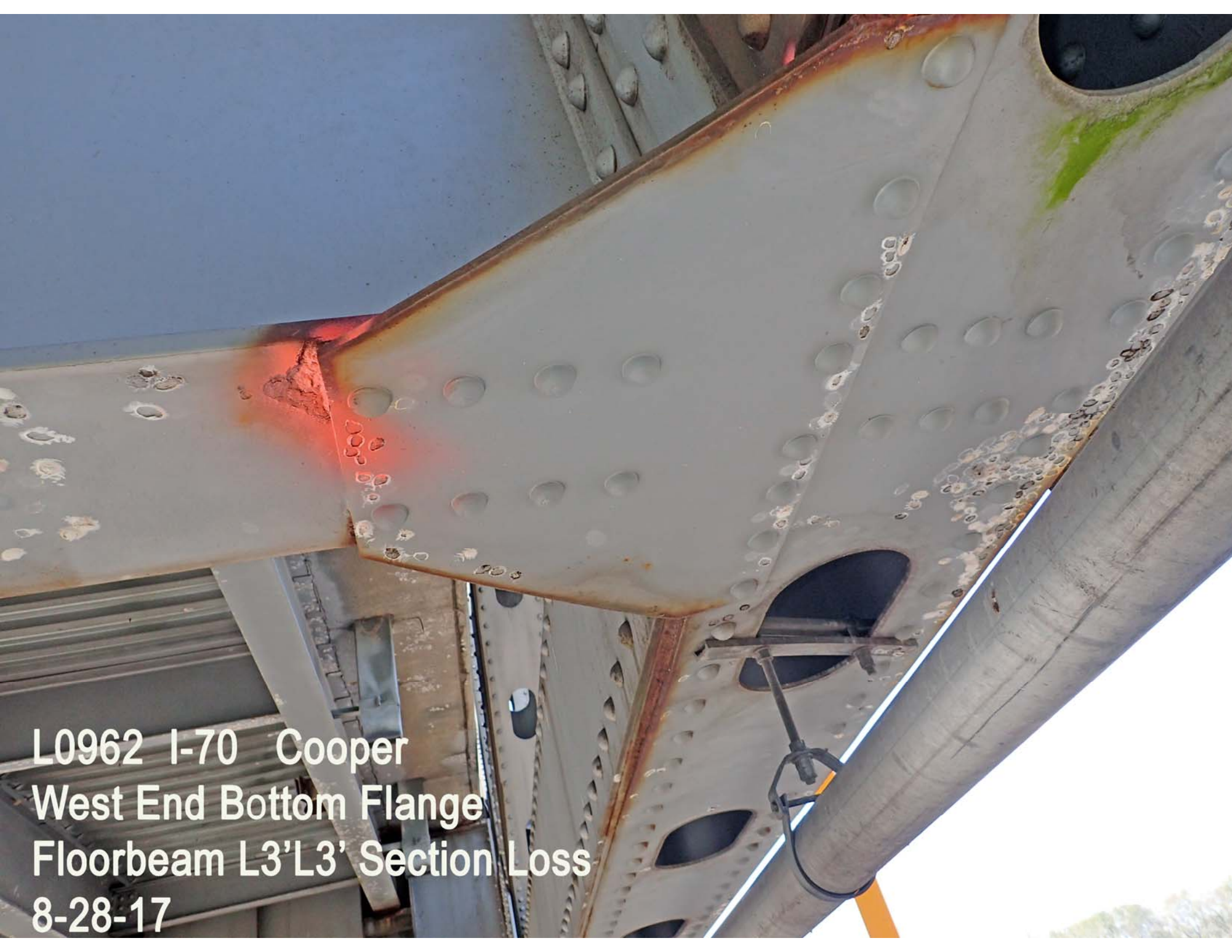
**L0962 I-70 Cooper
West Truss L2' Lower X-brace
Gusset Plate Distortion
8-28-17**



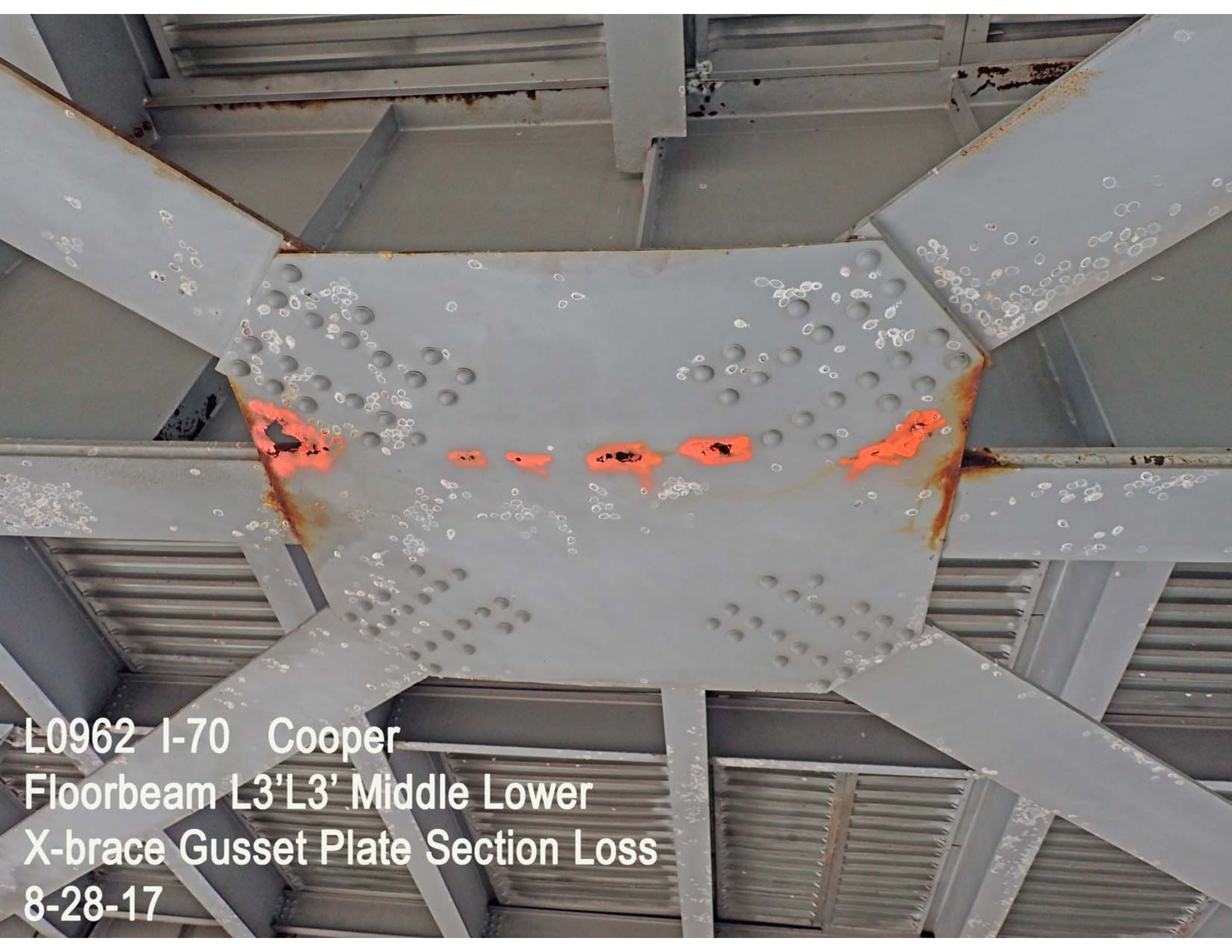
**L0962 I-70 Cooper
West Truss Lower Chord L2'L1'
Built Up Member Distortion (typ)
8-28-17**



L0962 1-70 Cooper
West Truss Lower Chord L3'L2'
Bottom Plate Distortion at L3'
8-28-17



L0962 I-70 Cooper
West End Bottom Flange
Floorbeam L3'L3' Section Loss
8-28-17



L0962 I-70 Cooper
Floorbeam L3'L3' Middle Lower
X-brace Gusset Plate Section Loss
8-28-17

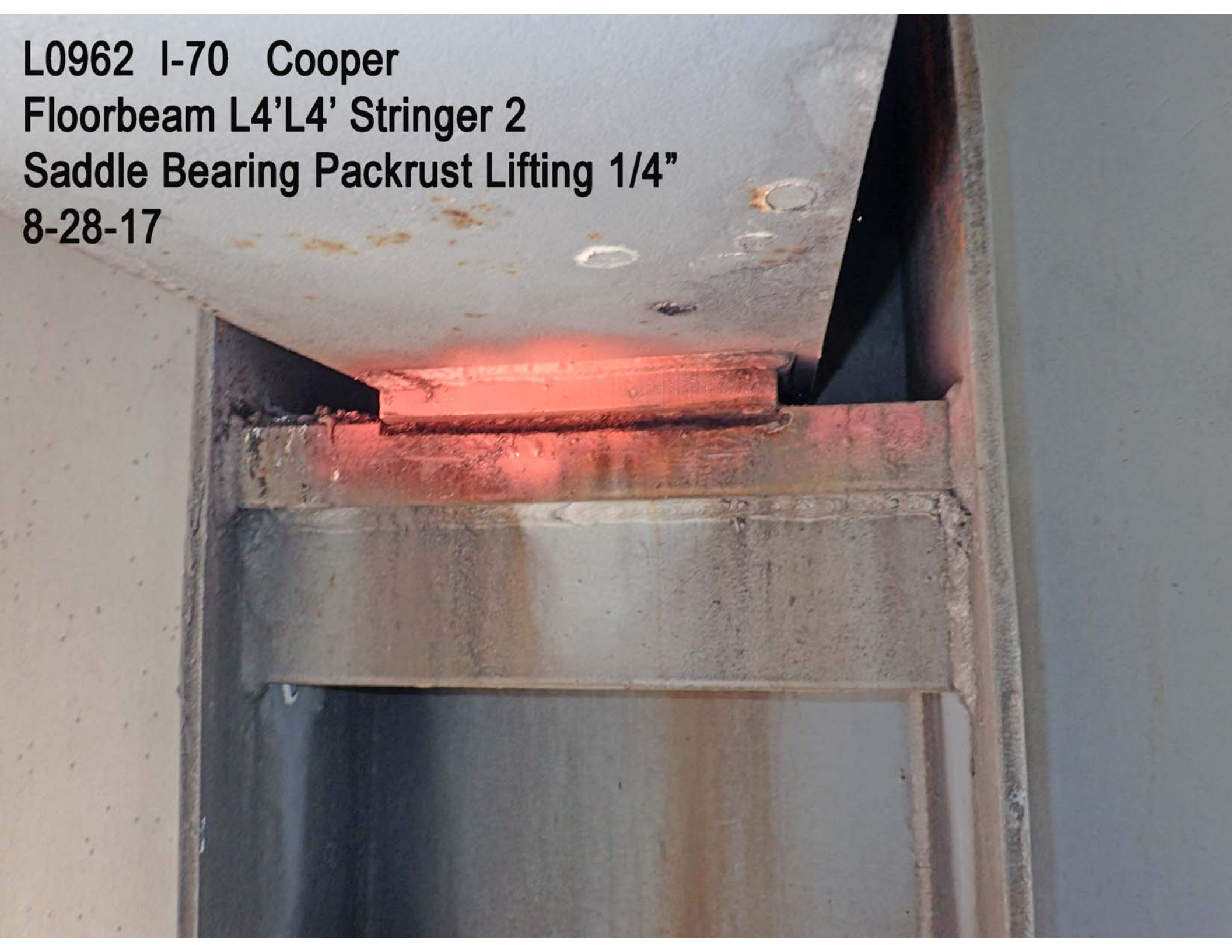


L0962 I-70 Cooper
West End Floorbeam L3'L3'
Top Flange Pump Rust
8-28-17



L0962 I-70 - Cooper
West Truss L4' Lower X-brace
Gusset Plate Distortion
8-28-17

L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 2
Saddle Bearing Packrust Lifting 1/4"
8-28-17





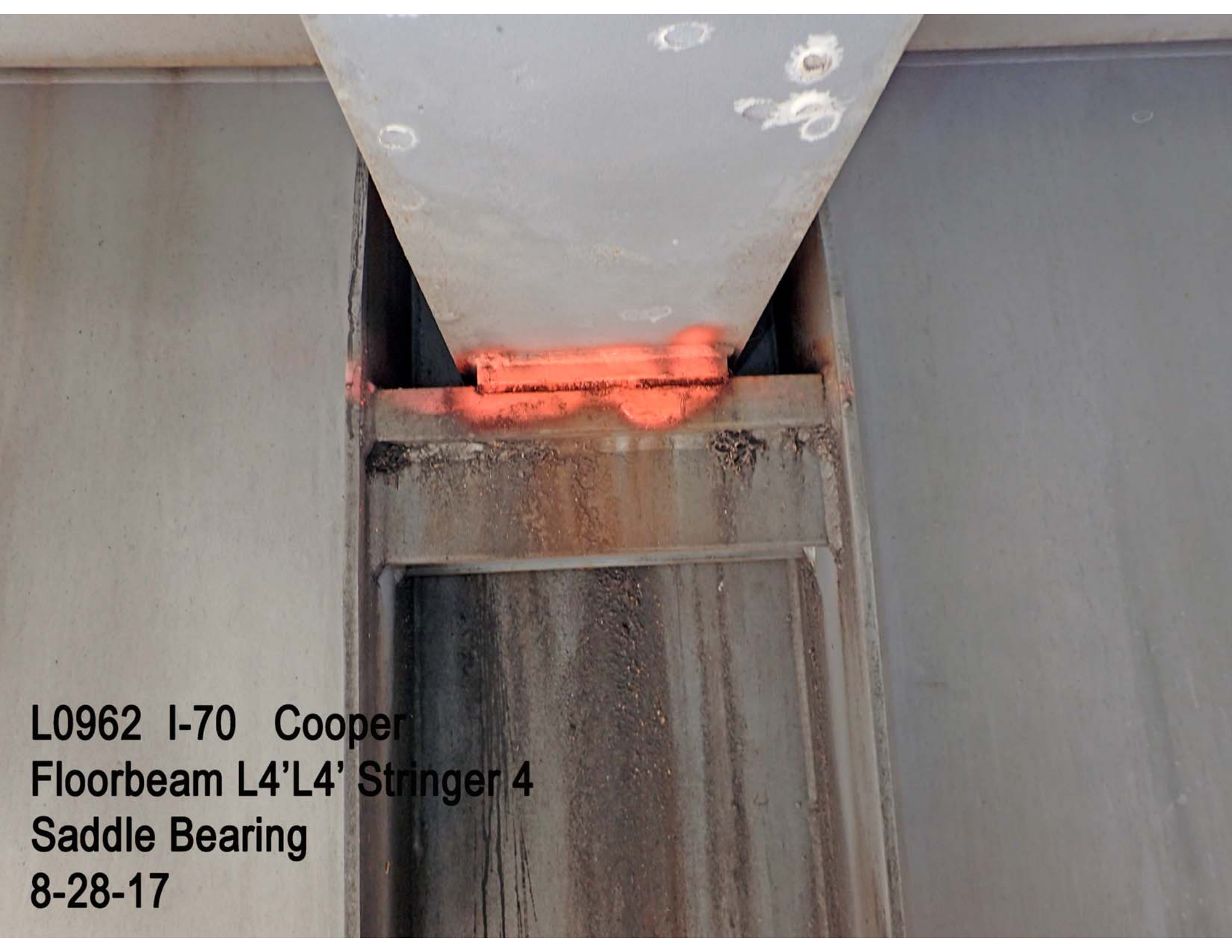
**L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 1
Saddle Bearing Lifting 1"
8-28-17**



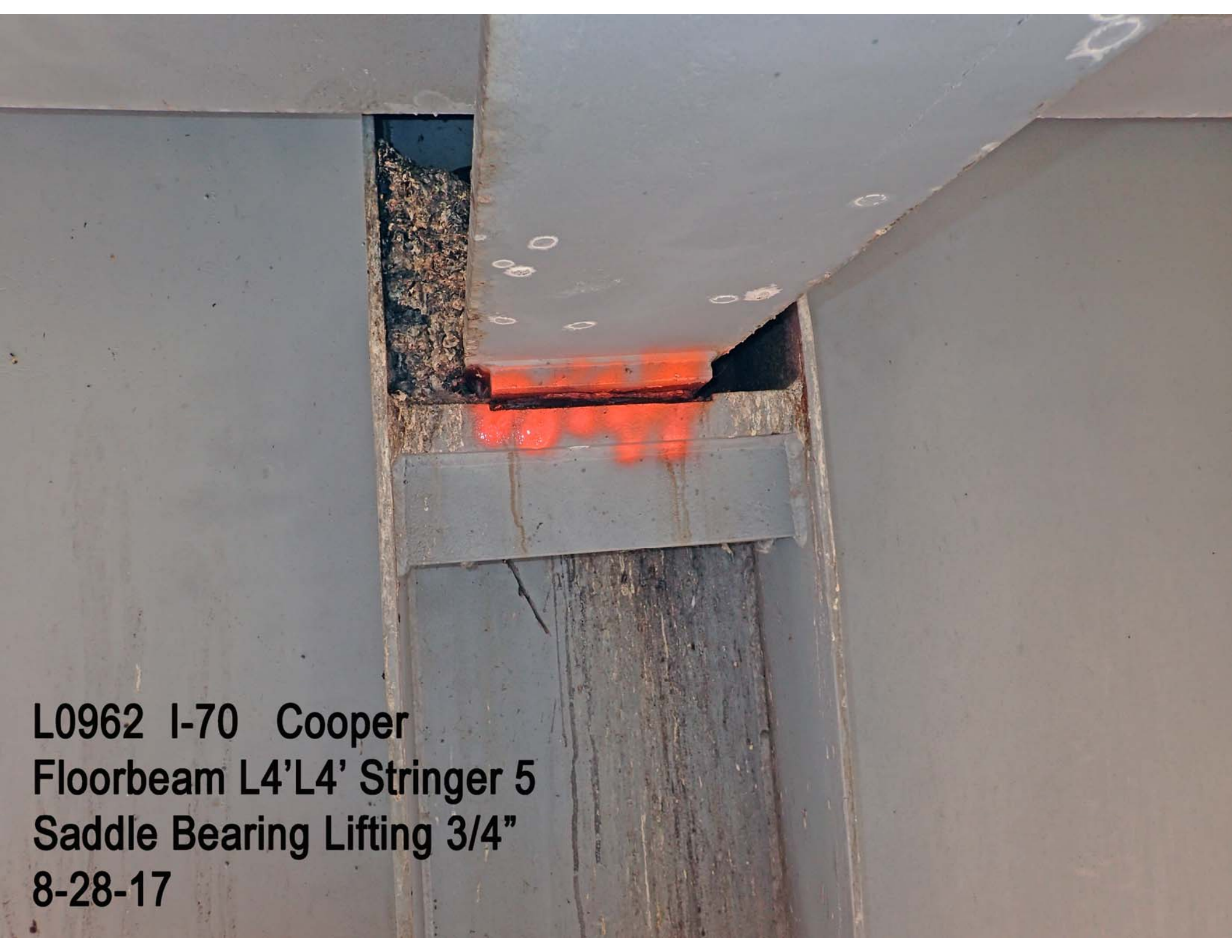
**L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 1
West Bearing Stiffener Section Loss
8-28-17**



L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 3
Saddle Bearing Lifting 1/4"
8-28-17



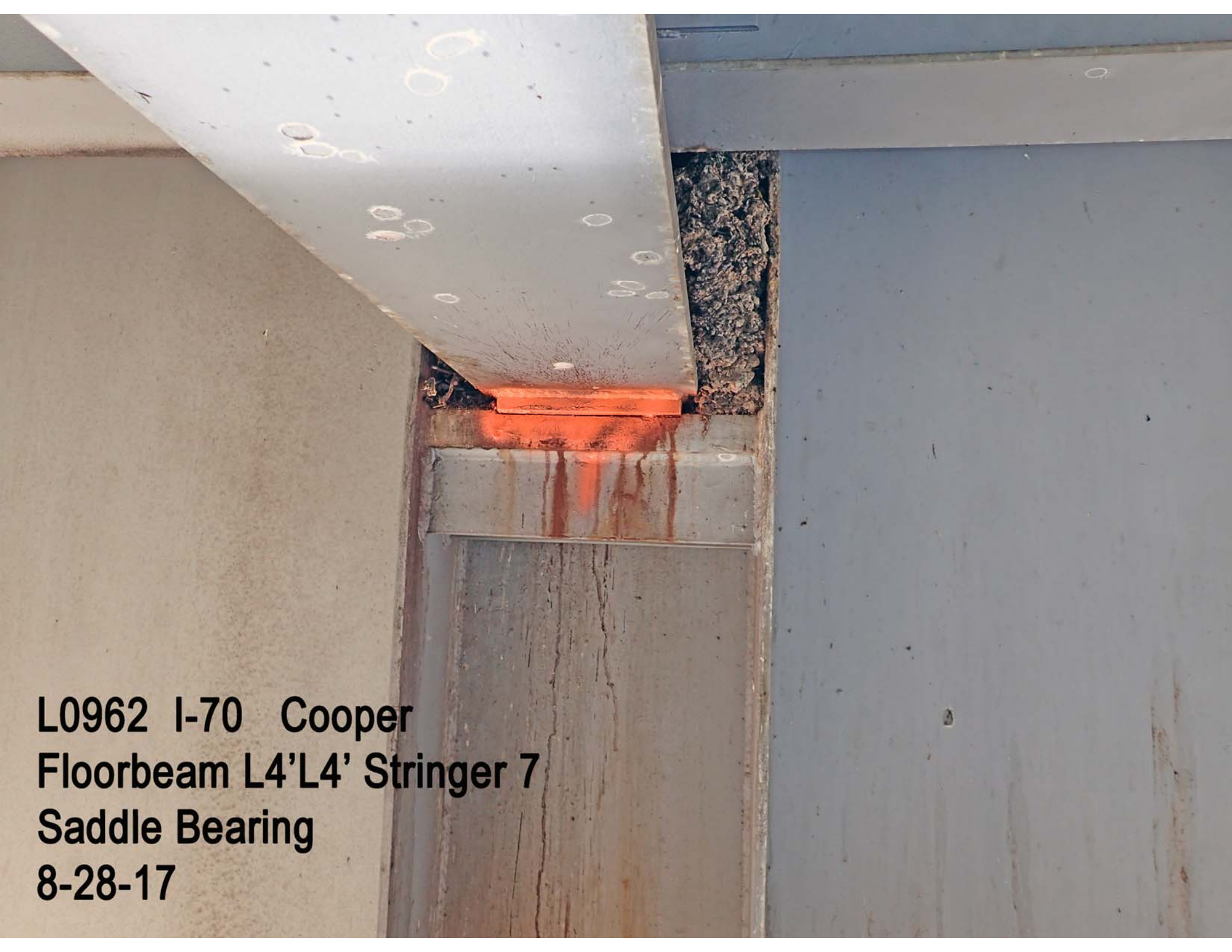
L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 4
Saddle Bearing
8-28-17



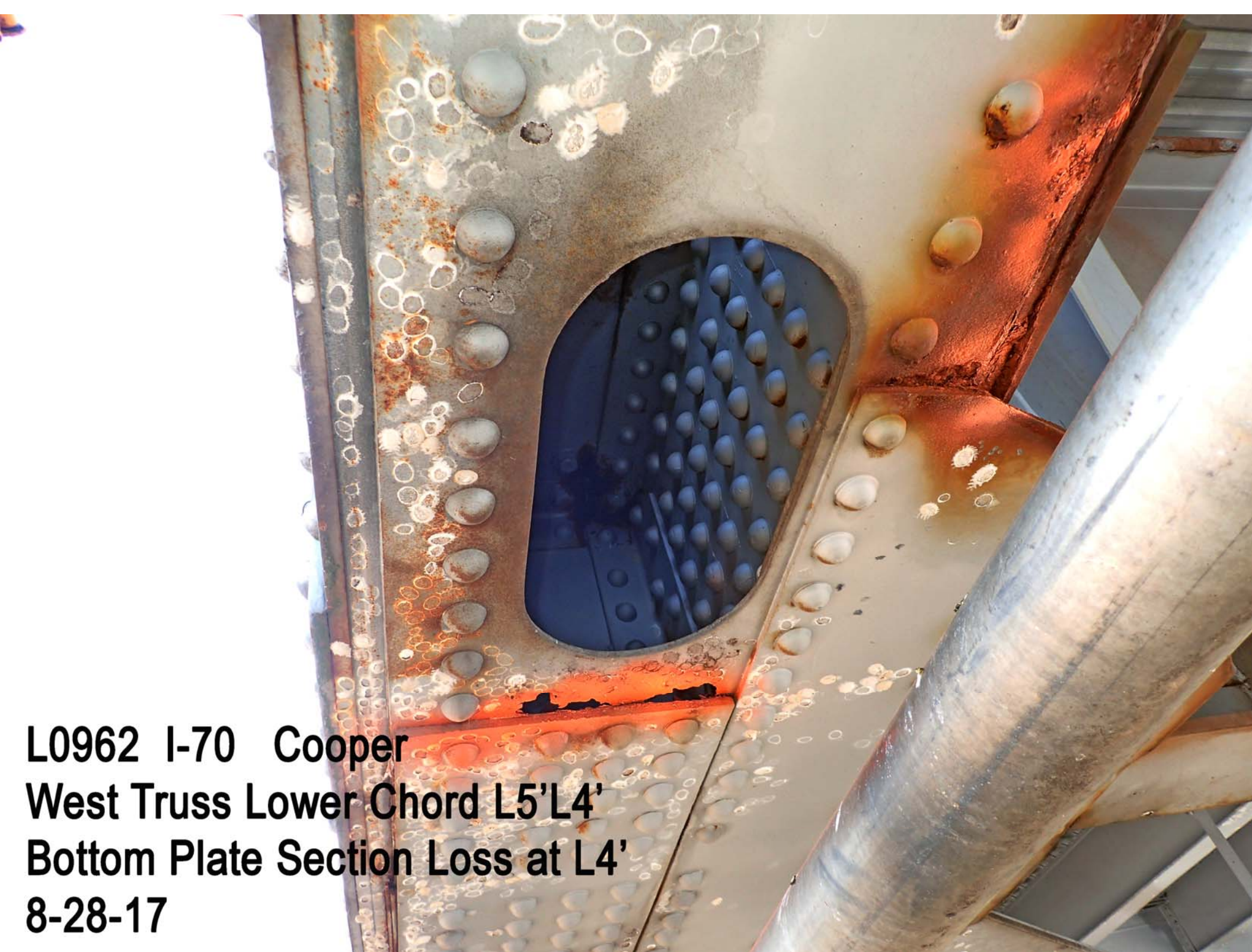
**L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 5
Saddle Bearing Lifting 3/4"
8-28-17**



**L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 6
Saddle Bearing
8-28-17**

A close-up photograph of a steel saddle bearing. The bearing is a rectangular steel plate with a red-painted top surface, resting on a horizontal floorbeam. Above the bearing, a diagonal steel stringer is visible, showing several circular welds. The background consists of a light-colored wall on the left and a grey wall on the right.

**L0962 I-70 Cooper
Floorbeam L4'L4' Stringer 7
Saddle Bearing
8-28-17**



L0962 I-70 Cooper
West Truss Lower Chord L5'L4'
Bottom Plate Section Loss at L4'
8-28-17



L0962 Cooper Co
08/28/2017
Abutment 18, Bearing 3
Nut Missing on Front Bolt



L0962 Cooper Co
08/28/2017
Abutment 18, SE Wing Wall



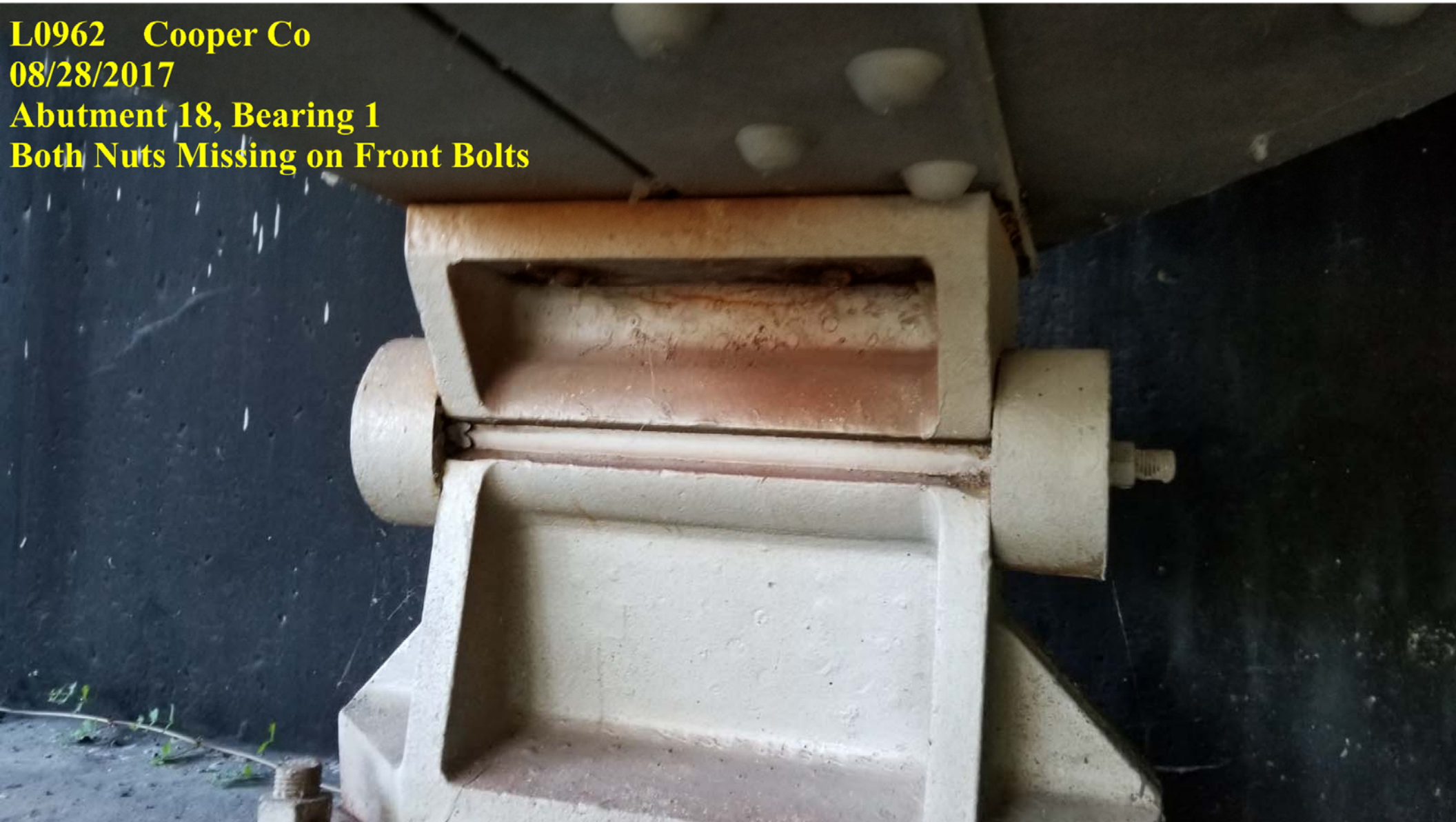
L0962 Cooper Co
08/28/2017
From Abutment 18, S. Side
Looking West

L0962 Cooper Co

08/28/2017

Abutment 18, Bearing 1

Both Nuts Missing on Front Bolts





L0962 Cooper Co
08/28/2017
Abutment 18, Bearing 1
Bolt & Nut Missing on Back Side

A photograph showing a concrete abutment wall. On the left, there is a dense clump of tall, dry, brown grass. To the right of the grass, there is a smaller clump of green grass. A vertical crack is visible in the concrete wall, running down from the top. The ground in front of the wall is dark and appears to be asphalt or a similar material.

L0962 Cooper Co

08/28/2017

Abutment 18, NE Wing Wall

6" of Undermining

L0962 Cooper Co
08/28/2017
Pier 15, Looking South
Rockers Tilted to Max





L0962 Cooper Co
08/28/2017
From Pier 15, Looking East @ Piers 16 & 17



**L0962 Cooper Co
08/28/2017
Pier 15, North Truss Bearing rocker Keeper
Looking South Out of Alignment**



L0962 Cooper Co

08/28/2017

Pier 15, North Truss Bearing rocker Keeper

Looking North Out of Alignment



L0962 Cooper Co
08/28/2017
Pier 15, Looking South
Rockers tilted to Max



L0962 Cooper Co
08/28/2017
Pier 15, North Truss Bearing Rocker Keeper
Out of Alignment Looking North



L0962 Cooper Co

08/28/2017

**Pier 15, Truss Side, approx 1" Pack Rust Bet
Gusset Plate and Middle Bracing Member**

L0962 Cooper Co
08/28/2017
Pier 15, Pack Rust on Truss Side
Looking South





L0962 Cooper Co
08/28/2017
Looking West from Pier 15



L0962 Cooper Co
08/28/2017
Looknig East from Pier 15, South Side



L0962 Cooper Co
08/28/2017
Pier 15, South Truss bearing



L0962 Cooper Co
08/28/2017
From Pier 15, Looking West



L0962 Cooper Co
08/28/2017
From Pier 15, Looking West



L0962 Cooper Co
08/28/2017
From Pier 15, Looking West



L0962 Cooper County
08/28/2017
From Pier 15, Looking West

L0962 Cooper Co
08/28/2017
Pier 15, South Truss Bearing





L0962 Cooper Co
08/28/2017
From Pier 15, Looking West



L0962 Cooper Co
08/28/2017
From Pier 15, Looking West

L0962 Cooper Co
08/28/2017
From Pier 15, Looking West





L0962 Cooper Co
08/28/2017
From Pier 14, Looking West



L0962 Cooper Co
08/28/2017
From Pier 14, Looking West



L0962 Cooper Co
08/28/2017
From Pier 14, Looking West



L0962 Cooper Co
08/28/2017
Looking South, Pier 14





L0962 Cooper Co
08/28/2017
Pier 14, North Truss Bearing
and Gusset Plates



L0962 Cooper Co
08/28/2017
From Pier 14 North Side, Looking Up

L0962 Cooper Co
08/28/2017
Pier 14, North Truss Bearing





L0962 Cooper Co
08/28/2017
Looking West from Pier 14



L0962 Cooper Co

08/28/2017

From Pier 14, Looking up, South Side

Lower Truss Chord

Pack Rust between Vertical & Horizontal Plates



L0962 Cooper Co
08/28/2017
From Pier 14, South Side, Looking East



L0962 Cooper Co
08/28/2017
From Pier 14, South Side, Looking West

L0962 Cooper Co

08/28/2017

From Pier 14, South Side, Looking Up





L0962 Cooper Co
08/28/2017
From Pier 14, South Side, Looking West



L0962 Cooper Co
08/28/2017
From Pier 14, South Side, Looking East



L0962 Cooper Co
08/28/2017
From Pier 14, Looking West



L0962 Cooper Co
08/28/2017
From Pier 14, Looking East



L0962 Cooper Co
08/28/2017
Pier 13, Looking South through Expansion Joint



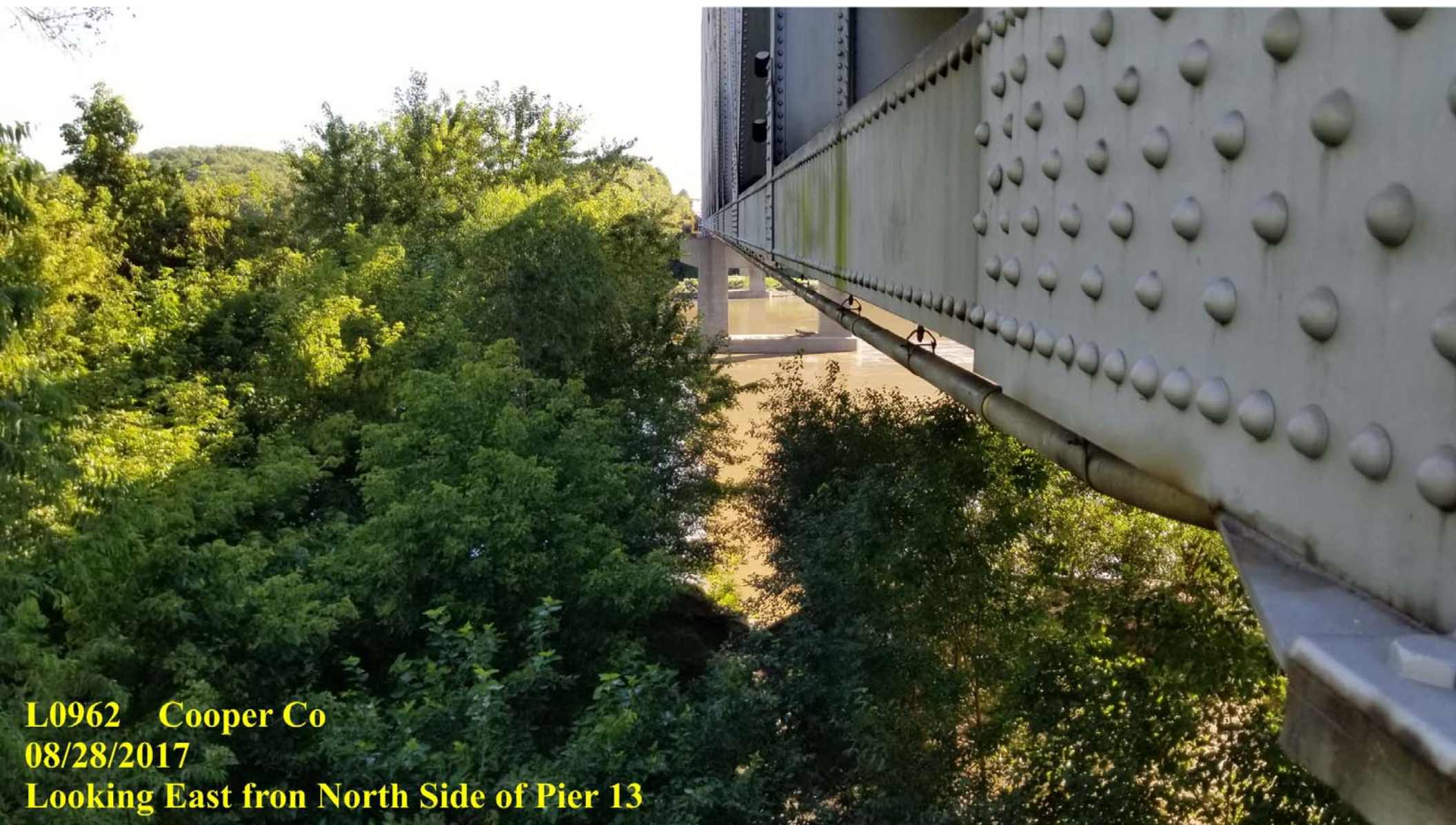
L0962 Cooper Co
08/28/2017
Pier 13, Looking South through Expansion Joint



L0962 Cooper Co
08/28/2017
Looking East, through Lower Chord
From Pier 13

L0962 Cooper Co
08/28/2017
Looking South along Pier 13





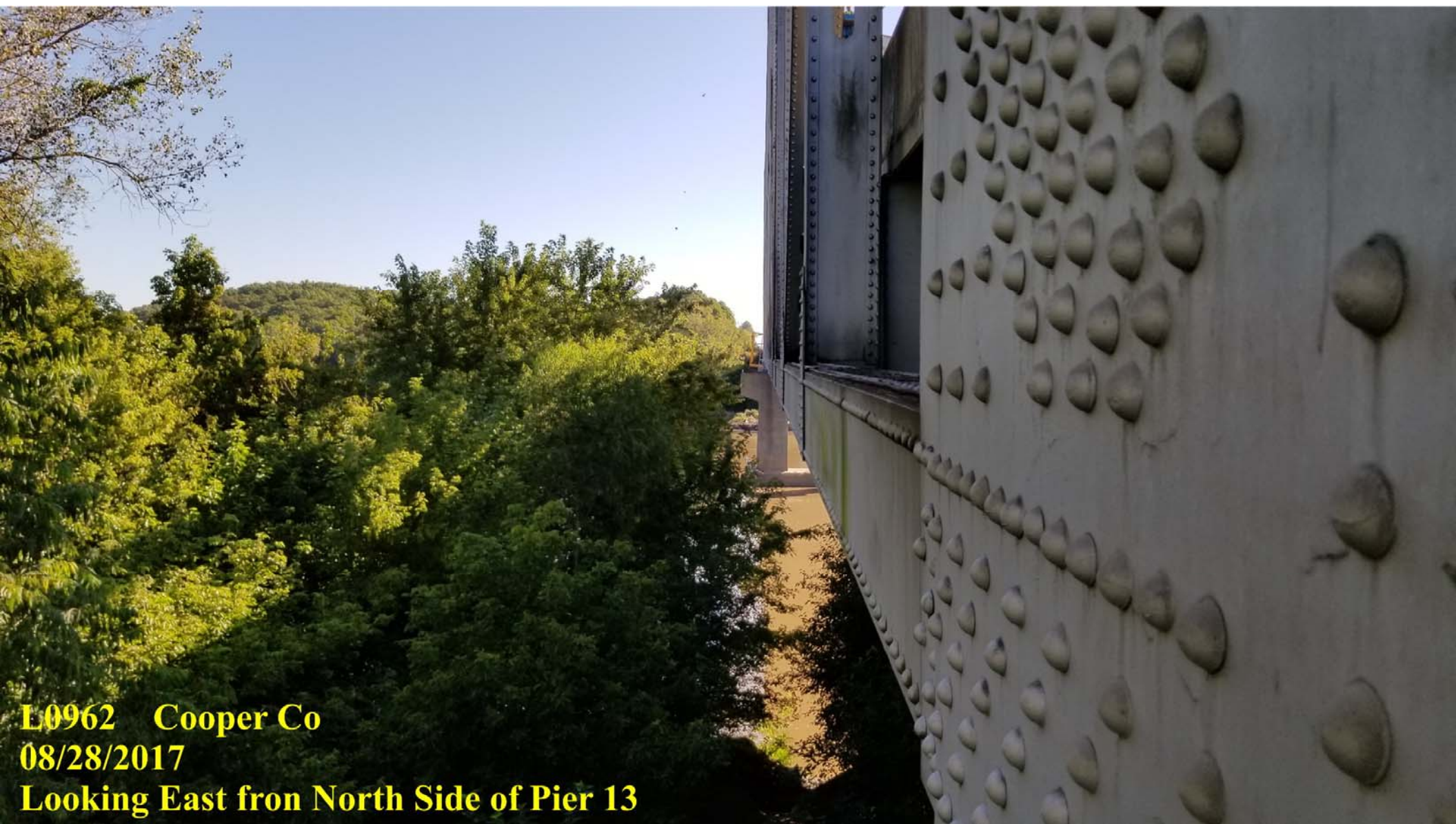
L0962 Cooper Co

08/28/2017

Looking East from North Side of Pier 13



L0962 Cooper Co
08/28/2017
Looking West from North Side of Pier 13





L0962 Cooper Co
08/28/2017
Pier 13, North Side Truss Bearing



L0962 Cooper Co
08/28/2017
Pier 13, North Side Truss Bearing



L0962 Cooper Co
08/28/2017
Looking South along Pier 13



L0962 Cooper Co
08/28/2017
Looking South along Pier 13



L0962 Cooper Co
08/28/2017
Looking West from Pier 13



L0962 Cooper Co
08/28/2017
Looking East from Pier 13



L0962 Cooper Co
08/28/2017
Looking South along Pier 13



L0962 Cooper Co
08/28/2017
Pier 13 Expansion Joint Diaper



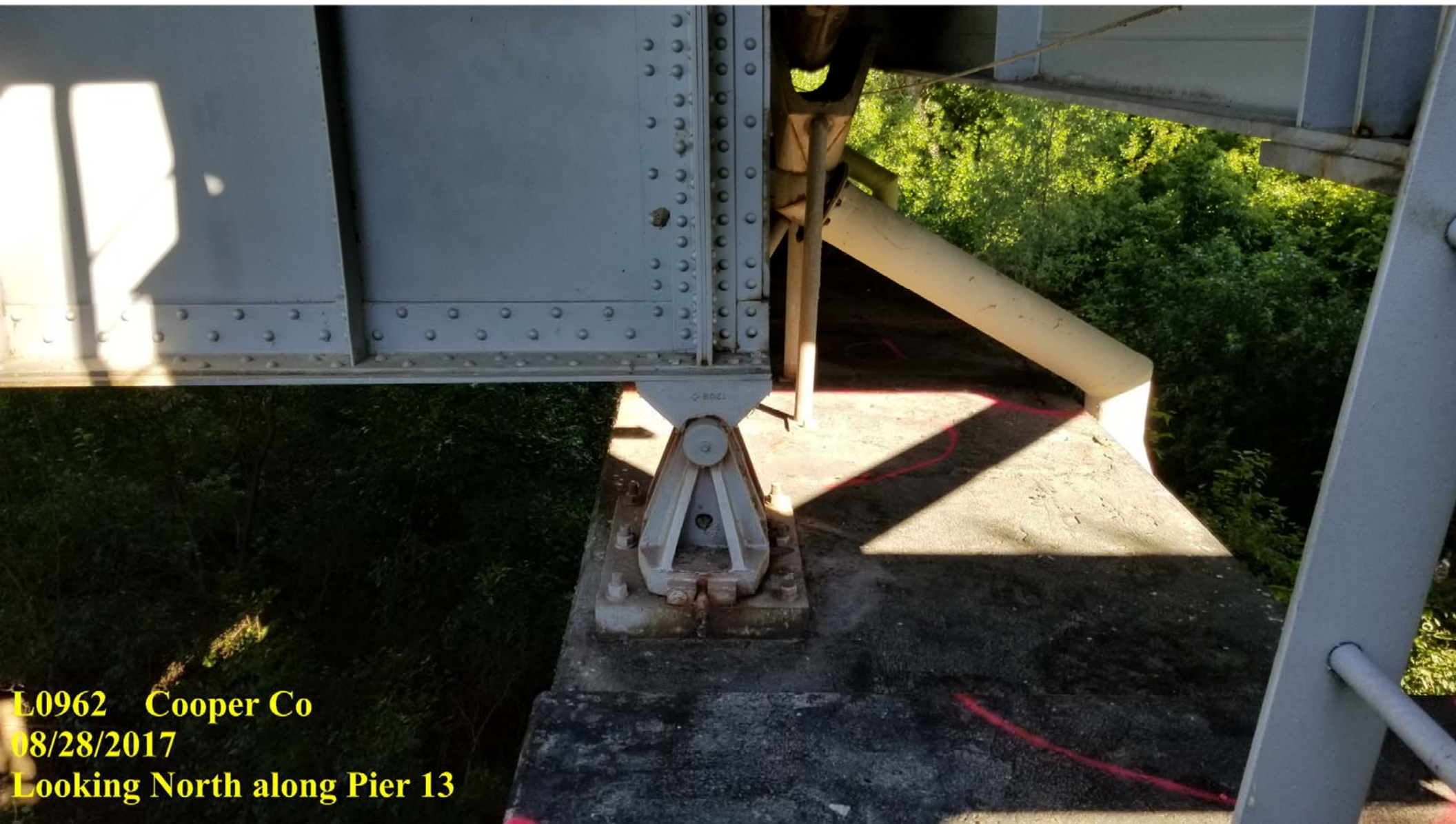
L0962 Cooper Co
08/28/2017
Pier 13, South Side Truss Bearing
Out of Alignment



L0962 Cooper Co
08/28/2017
Looking North along Pier 13



L0962 • Cooper Co
08/28/2017
Pier 13, South Side Truss Bearing
Out of Alignment



L0962 Cooper Co
08/28/2017
Looking North along Pier 13



L0962 Cooper Co
08/28/2017
Looking East from Pier 13

L0962 Cooper Co

08/28/2017

WB lanes, Finger Plate above Pier 7





L0962 Cooper Co
08/28/2017
WB Lanes, Finger Plate
above Pier 7

L0962 Cooper Co
08/28/2017
WB Lanes, Finger Plate
above Pier 4



L0962 Cooper Co

08/28/2017

**WB Lanes, Finger Plate
above Pier 4**



L0962 Cooper Co

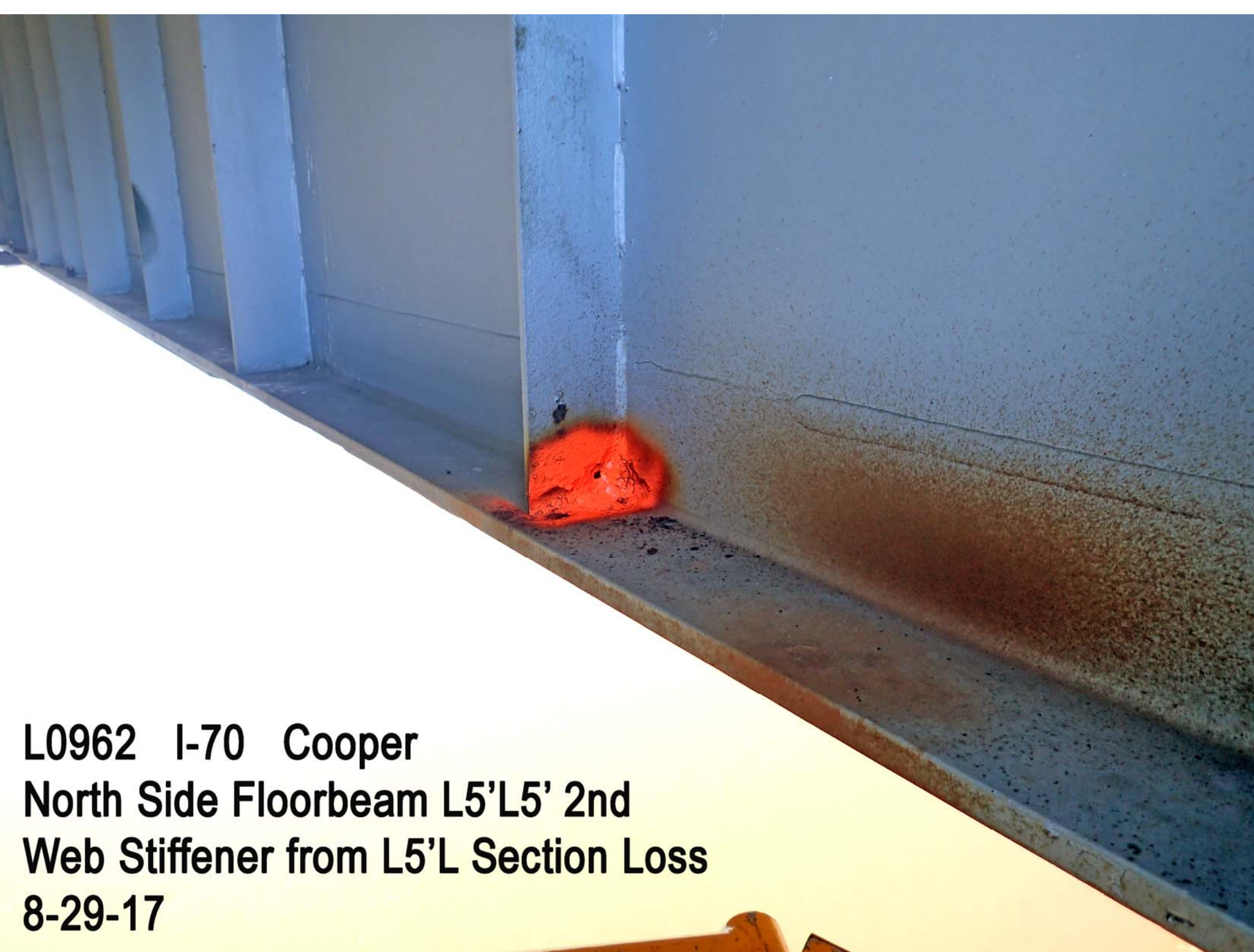
08/28/2017

**WB Lanes Abutment 1
Strip Seal**

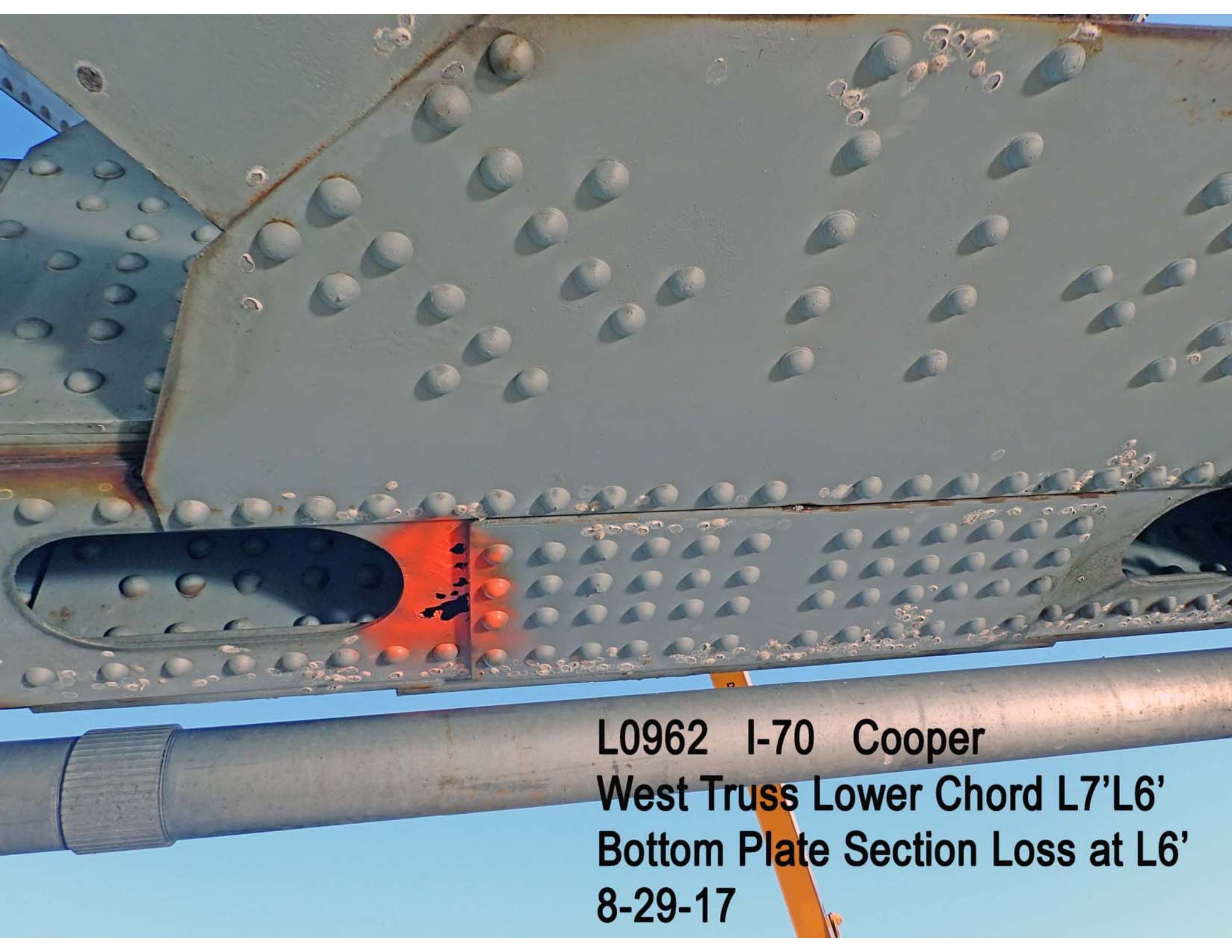




L0962 I-70 Cooper
WBL Expansion Joint at L4'
8-29-17



L0962 I-70 Cooper
North Side Floorbeam L5'L5' 2nd
Web Stiffener from L5'L Section Loss
8-29-17

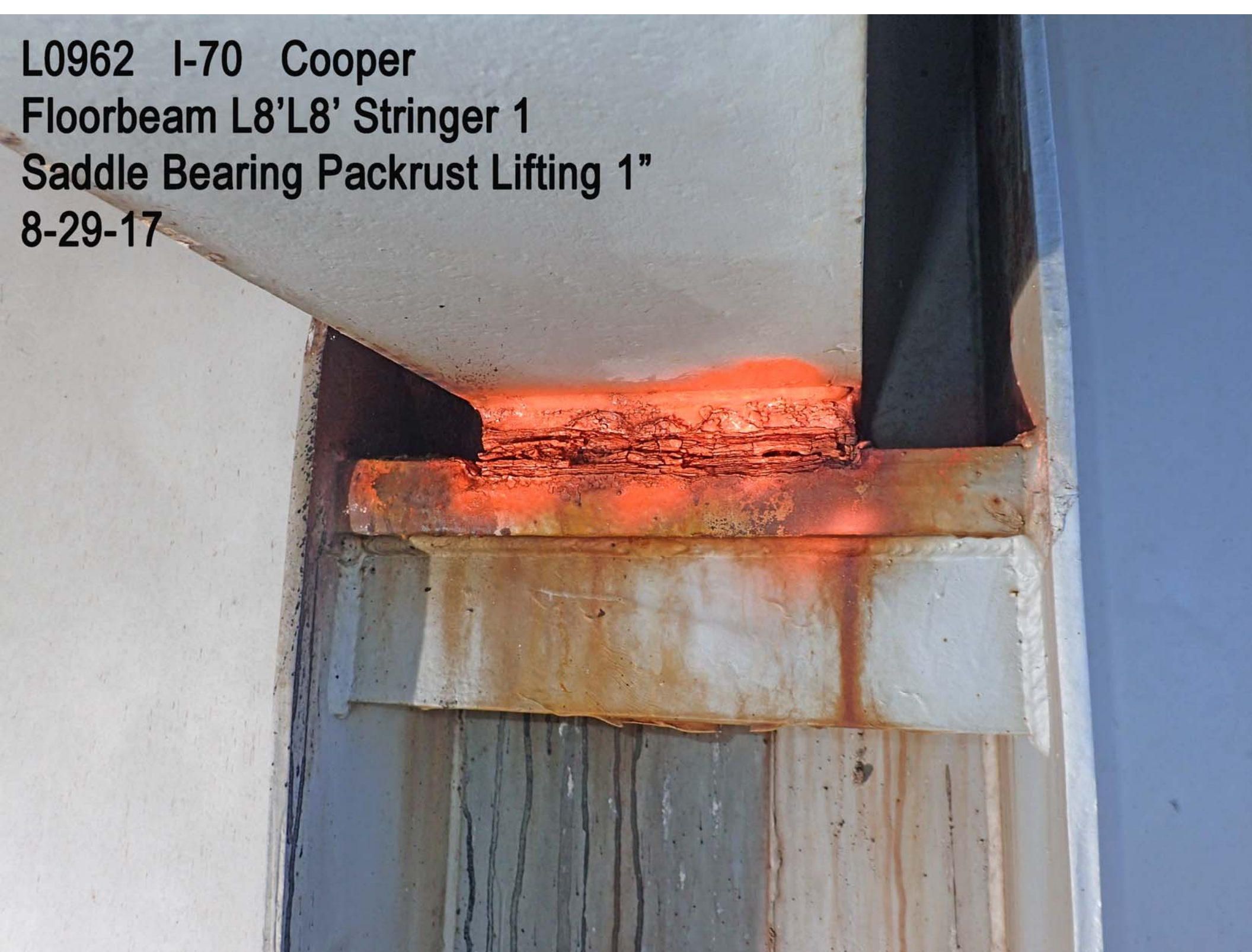


**L0962 I-70 Cooper
West Truss Lower Chord L7'L6'
Bottom Plate Section Loss at L6'
8-29-17**



**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 1
Bearing Area Advanced Section Loss
8-29-17**

L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 1
Saddle Bearing Packrust Lifting 1"
8-29-17





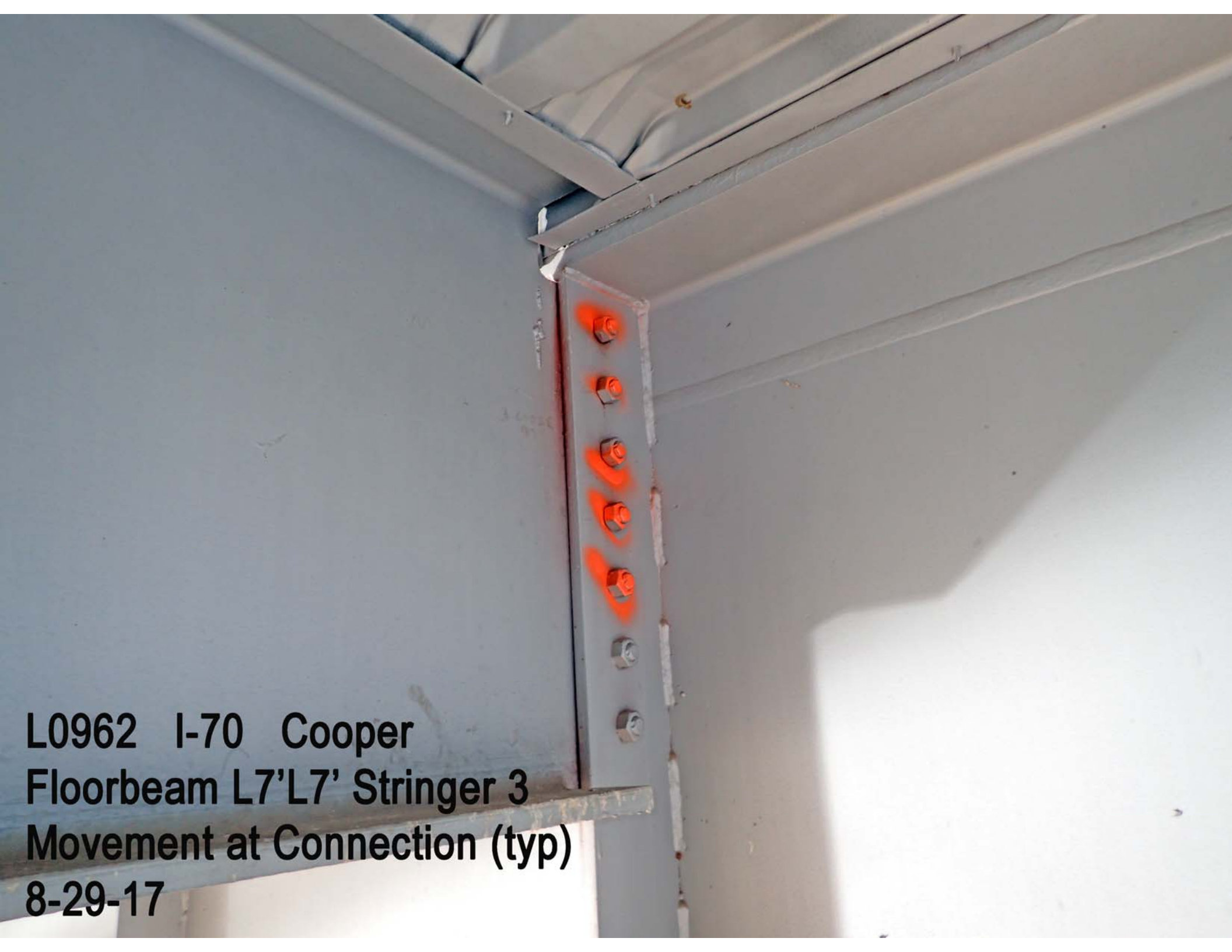
**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 1
Top Flange Section Loss
8-29-17**



L0962 I-70 Cooper
West Truss Lower X-brace
Gusset Plate Distortion at L8'
8-29-17



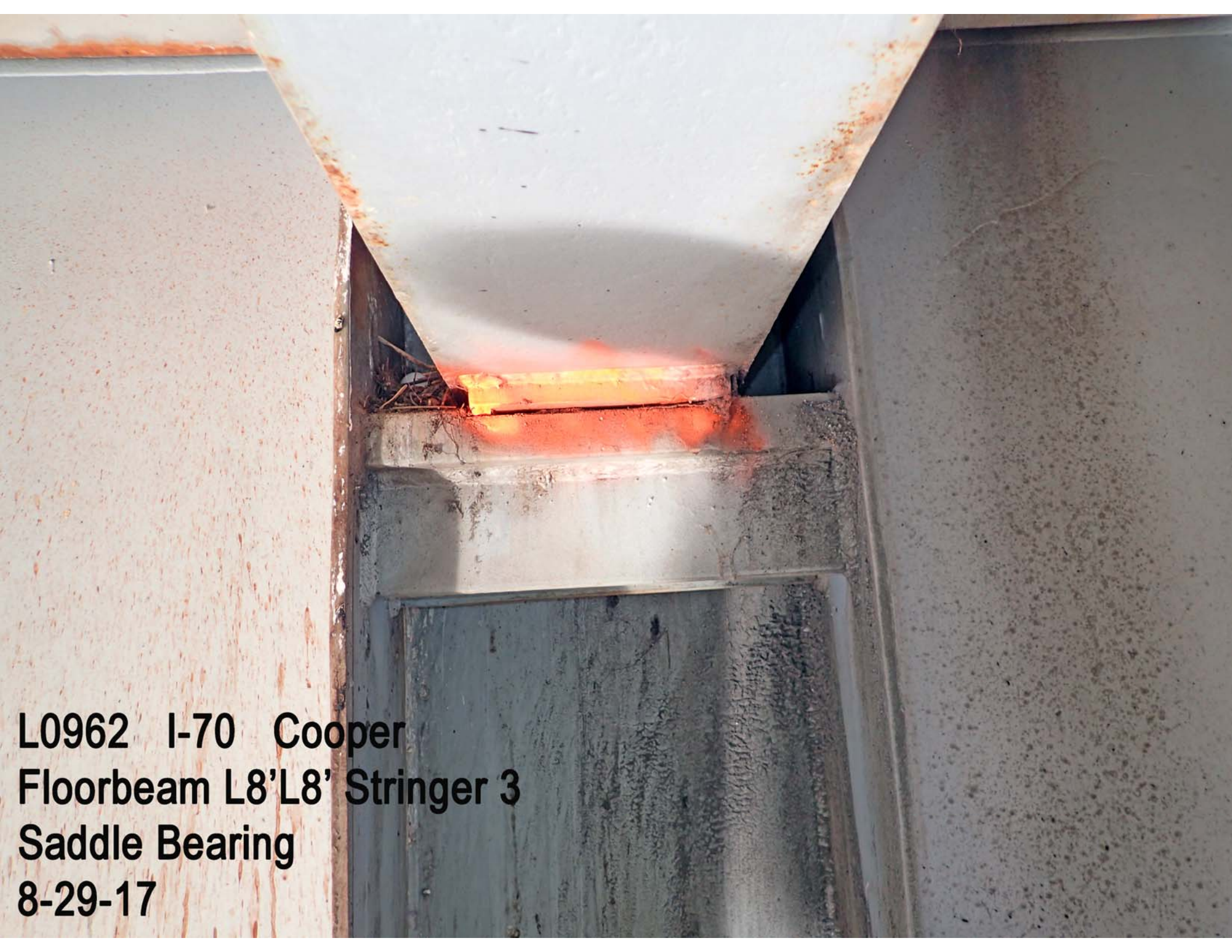
**L0962 I-70 Cooper
Floorbeam L7'L7' Middle X-brace
Gusset Plate and Member Section Loss
8-29-17**



L0962 I-70 Cooper
Floorbeam L7'L7' Stringer 3
Movement at Connection (typ)
8-29-17

A close-up photograph of a steel saddle bearing assembly. The bearing is a horizontal steel plate with a central slot, mounted on a vertical steel stringer. The assembly is painted with a bright orange-red paint. The surrounding structure is made of grey-painted steel. The background shows a white wall and a grey floor.

**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 2
Saddle Bearing
8-29-17**



L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 3
Saddle Bearing
8-29-17

A close-up photograph of a steel beam connection. A horizontal steel beam is shown with a red saddle bearing installed on its top flange. The bearing is a rectangular block of red material, likely a polymer or composite, designed to support a vertical member. The surrounding steel structure is painted grey, and there is some visible rust and debris at the connection point. The background is a plain, light-colored wall.

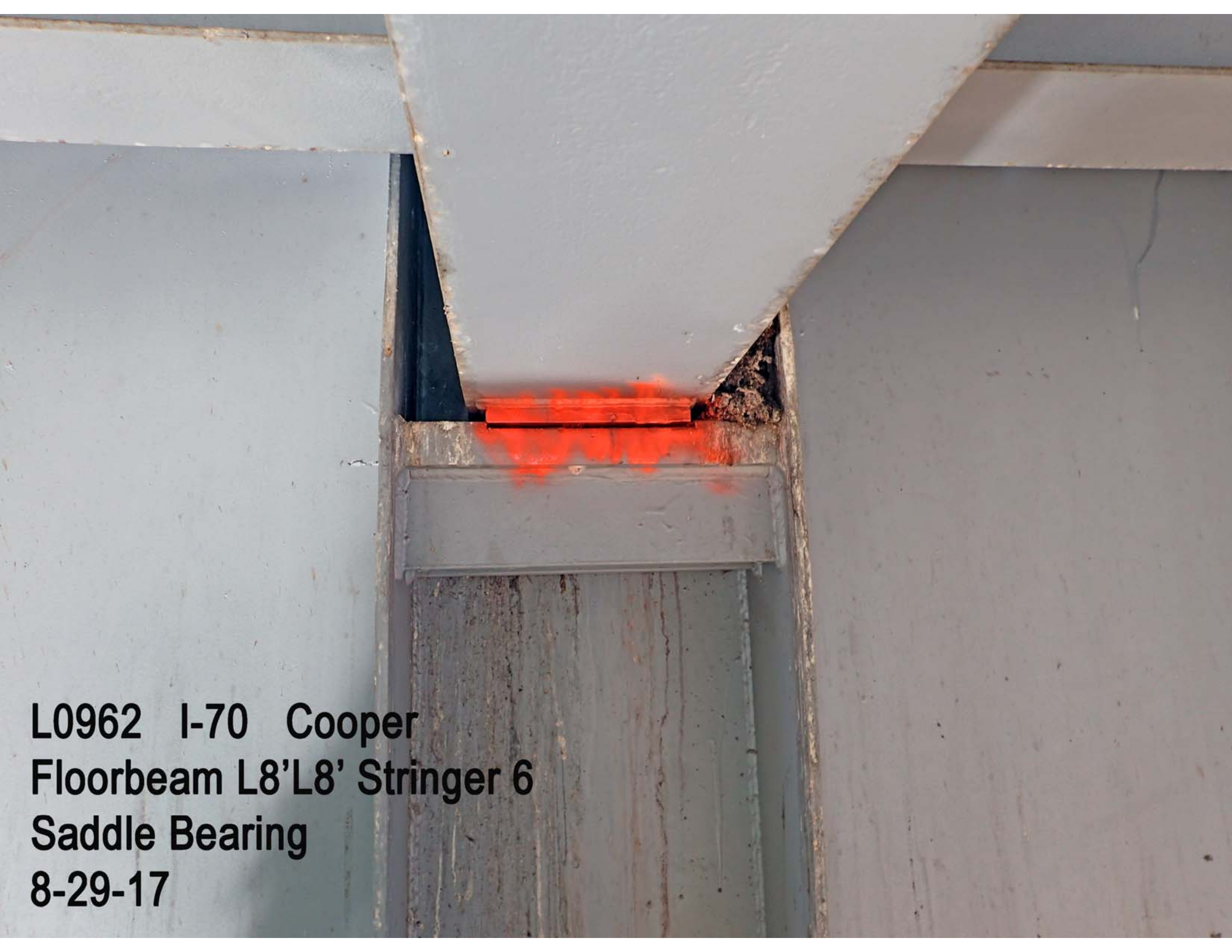
**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 4
Saddle Bearing
8-29-17**

A close-up photograph of a steel beam connection. A horizontal steel beam is shown, with a vertical steel beam intersecting it. A red-painted saddle bearing is visible on the horizontal beam, supporting the vertical beam. The surrounding steel structure is painted grey. The text overlay provides details about the project and date.

**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 5
Saddle Bearing Lifting 3/4"
8-29-17**



**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 5 Saddle Bearing
West Support Moderate Section Loss
8-29-17**



L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 6
Saddle Bearing
8-29-17

A close-up photograph of a steel saddle bearing assembly. A horizontal steel beam, identified as a floorbeam, is shown with a saddle bearing mounted on its top surface. The bearing consists of a central steel plate with a red-painted top surface, which is supported by a larger, weathered steel base. The surrounding structure includes a vertical steel member on the left and a corrugated metal surface on the right. The floorbeam itself shows signs of rust and wear.

**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 7
Saddle Bearing
8-29-17**

A close-up photograph of a steel beam connection. A vertical L-shaped steel beam is bolted to a horizontal steel beam. The connection is made with several large, silver-colored bolts. One of the bolts at the top of the vertical beam is broken off, and the remaining part of the bolt is bent and hanging. The background is a plain, light-colored wall.

**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 7
Connection Rivet Broken Off
8-29-17**



L0962 I-70 Cooper
West Truss Lower Chord L10'L9'
Built-Up Member Distortion at Joints
8-29-17



L0962 I-70 Cooper
South Side Floorbeam L8'L8'
Rust Pumping (typ)
8-29-17



L0962 I-70 Cooper
WBL Expansion Joint at L8'
8-29-17

A close-up photograph of a vertical steel beam, likely part of a bridge truss. The beam is light gray and shows significant rust and pitting. The marking 'L8' is painted in black on the beam. The background shows a river with brown water, a forested hill, and a blue sky with white clouds. The beam is part of a larger structure, with other beams visible in the background.

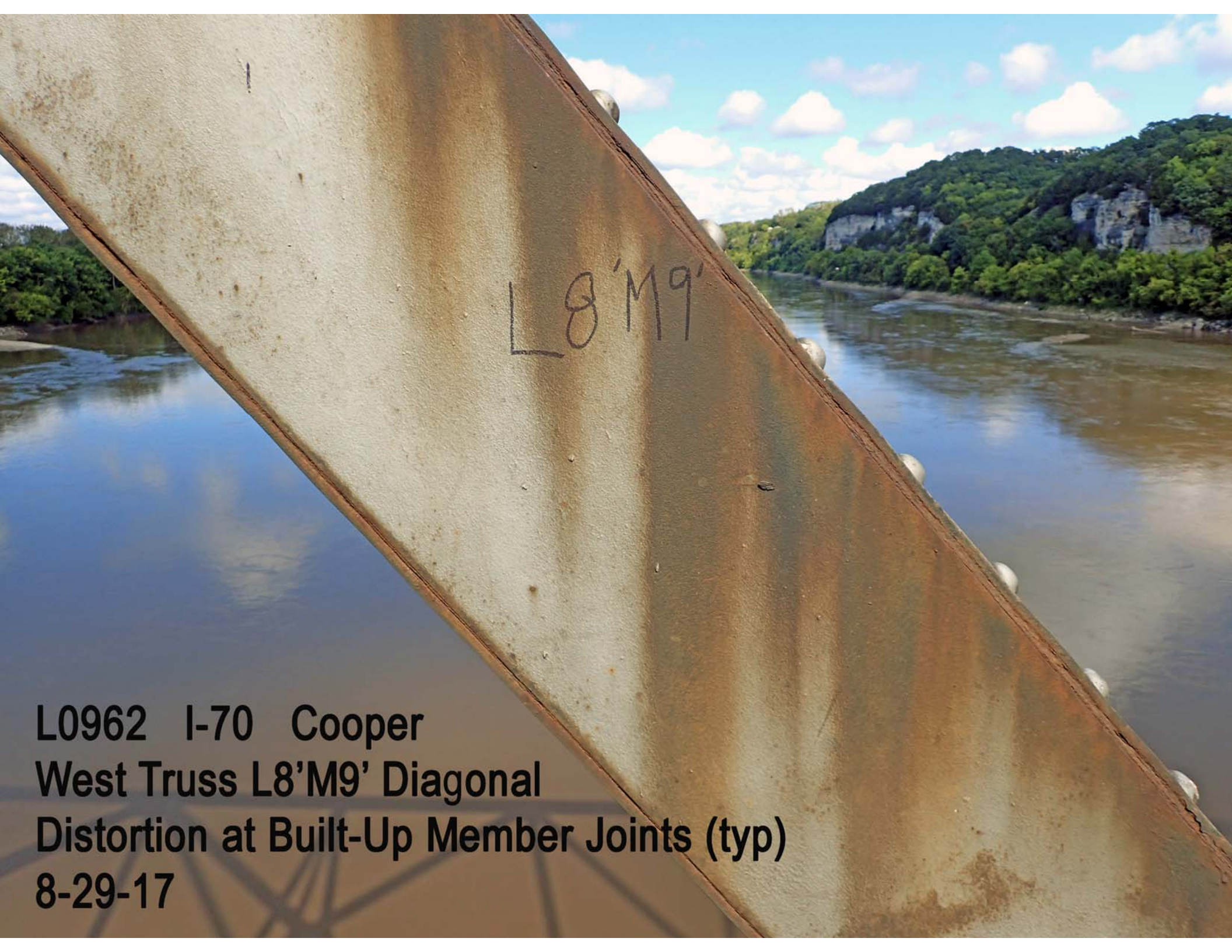
L8

**L0962 I-70 Cooper
West Truss L8'U8' Vertical Distortion
at Built-Up Member Joints (typ)
8-29-17**



L 7'

L0962 I-70 Cooper
West Truss L7'M7' Vertical
Distortion Between Built-Up Members.(typ)
8-29-17



L8'M9'

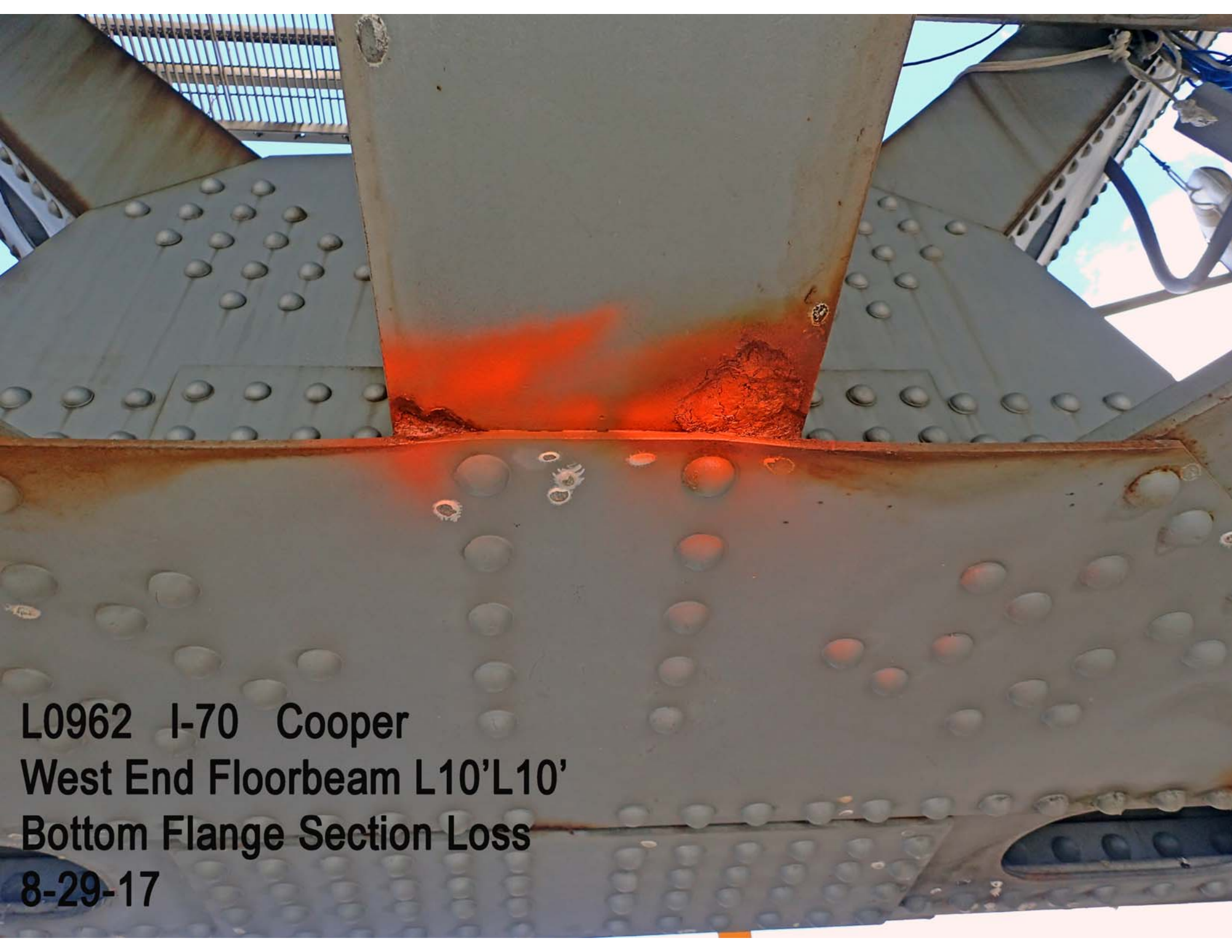
L0962 I-70 Cooper
West Truss L8'M9' Diagonal
Distortion at Built-Up Member Joints (typ)
8-29-17



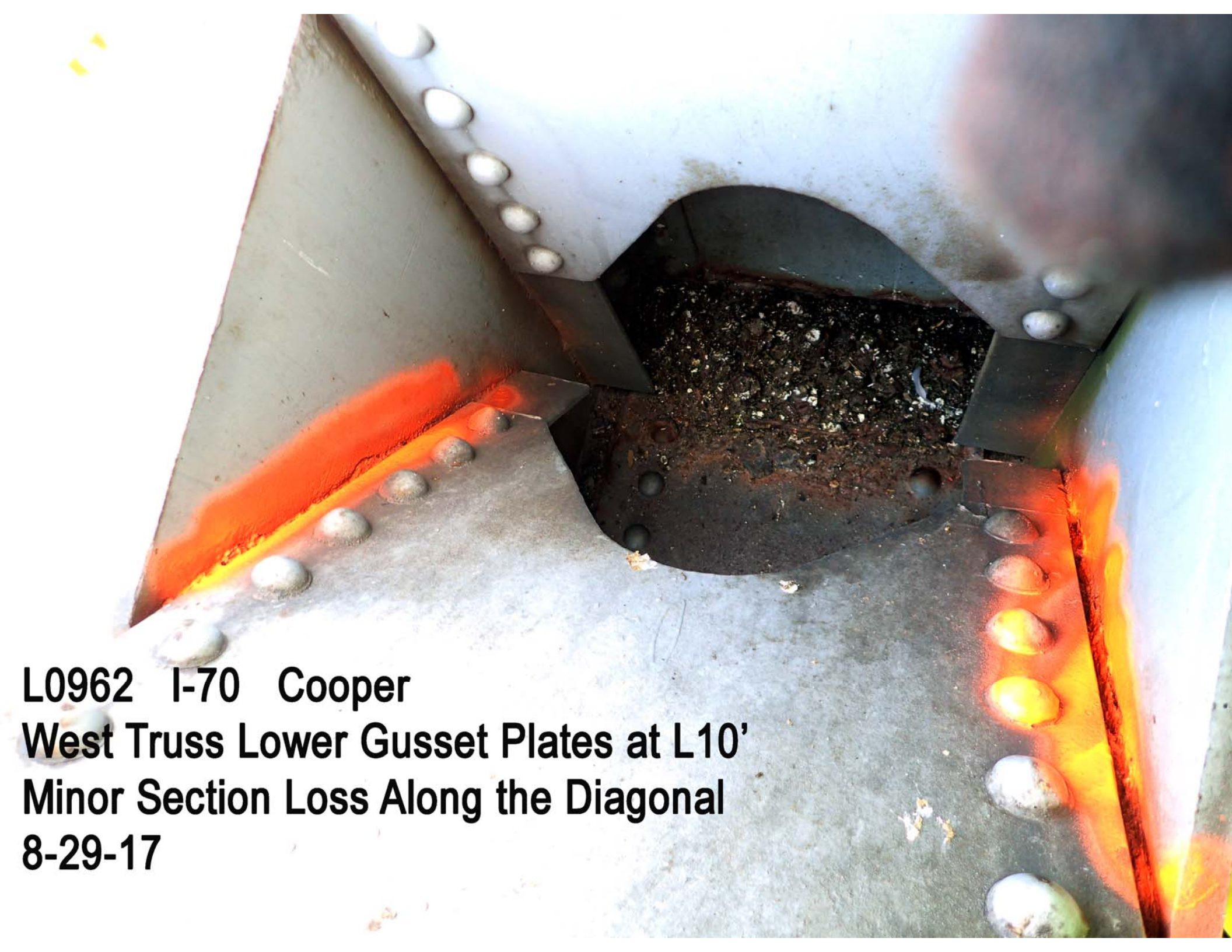
L0962 I-70 Cooper
WBLExpansion Joint at L12'
8-29-17



L0962 I-70 Cooper
WBL Expansion Joint at L16'
8-29-17



L0962 I-70 Cooper
West End Floorbeam L10'L10'
Bottom Flange Section Loss
8-29-17



L0962 I-70 Cooper
West Truss Lower Gusset Plates at L10'
Minor Section Loss Along the Diagonal
8-29-17



**L0962 I-70 Cooper
West Truss Lower Gusset Plate L10'
Minor Distortion at Diagonal
8-29-17**

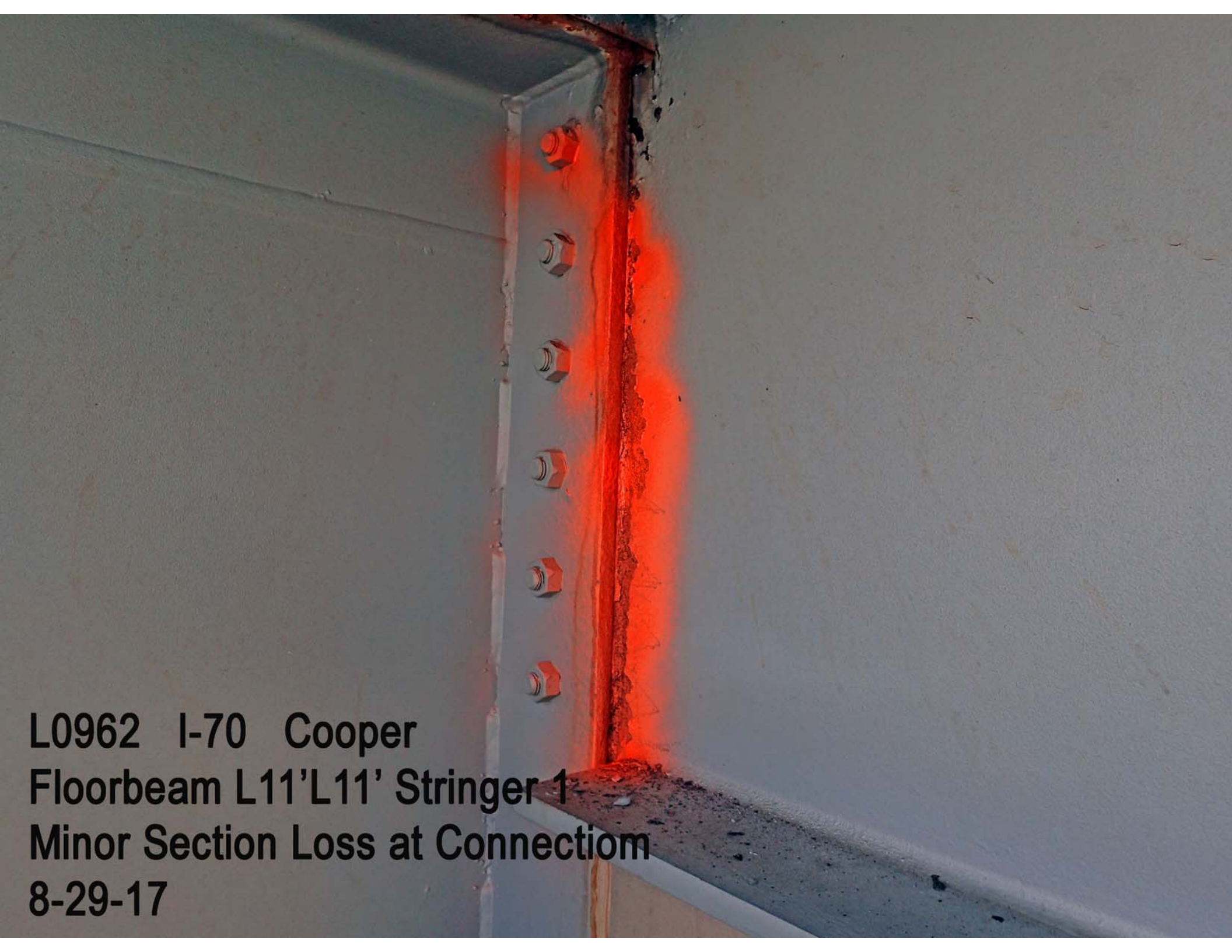
L0962 I-70 Cooper

West Truss Lower Gusset Plate L10'

Moderate Section Loss at Floorbeam Connection

8-29-17





L0962 I-70 Cooper
Floorbeam L11'L11' Stringer 1
Minor Section Loss at Connection
8-29-17



L0962 I-70 Cooper
Floorbeam L11'L11' Lower X-brace
Gusset Plate Section Loss
8-29-17

L0962 I-70 Cooper
West Truss L11' Lower Guset Plate
Moderate Packrust Distortion
8-29-17





L0962 I-70 Cooper
West Truss L11' Lower Gusset Plates
Minor Section Loss at Vertical Flanges
8-29-17



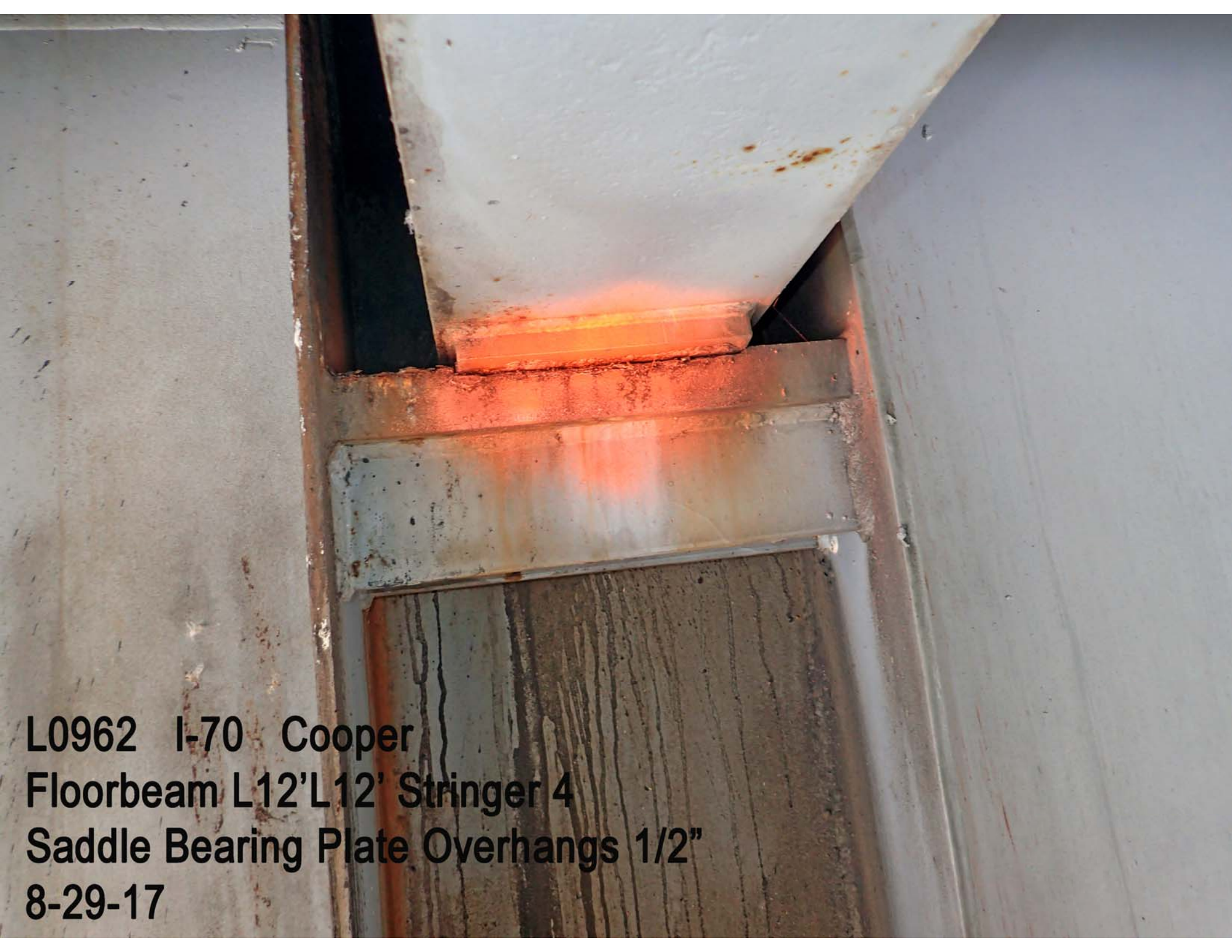
L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 1
Saddle Bearing Packrust Lifting 1/4"
8-29-17



L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 2
Saddle Bearing
8-29-17



L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 3
Saddle Bearing Packrust Lifting 1/2"
8-29-17

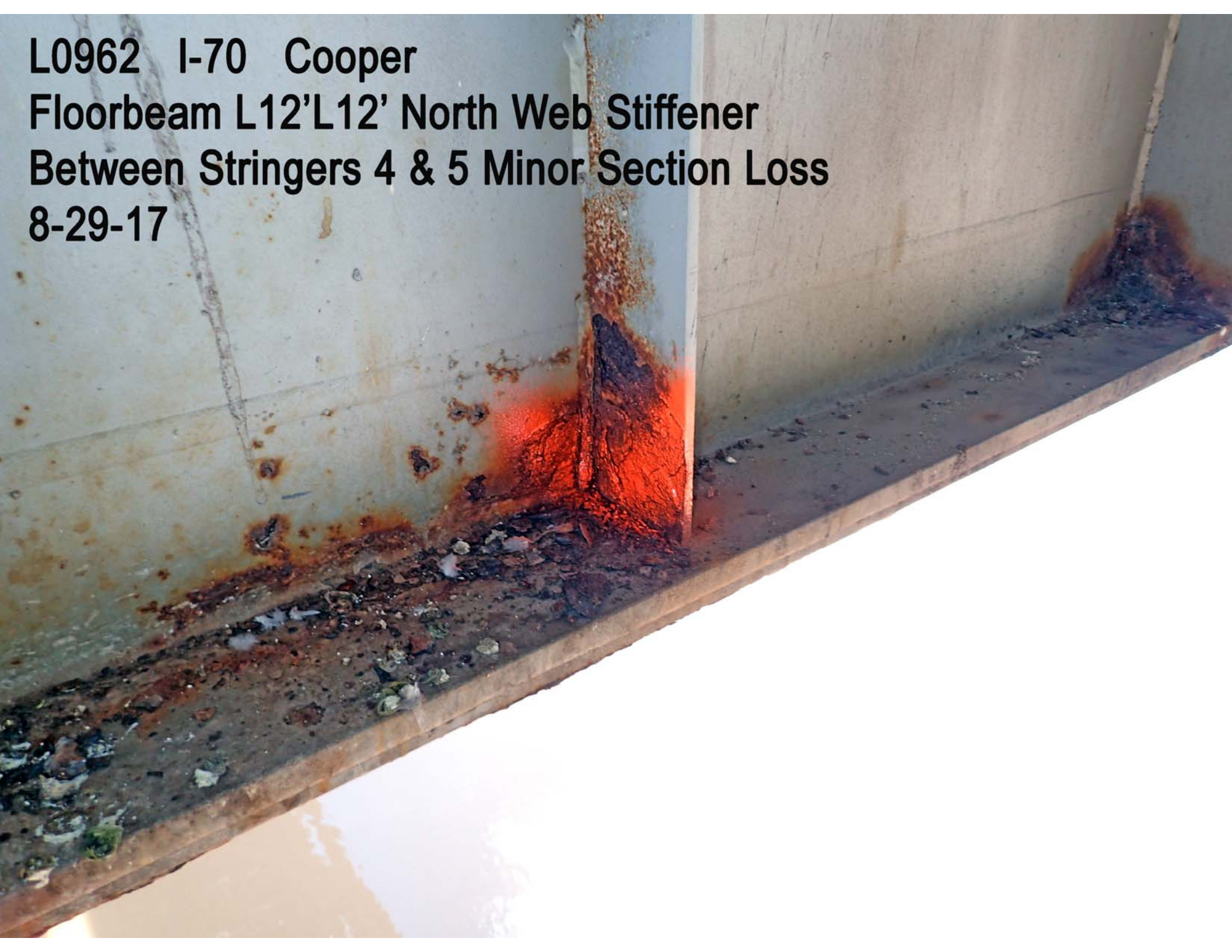


L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 4
Saddle Bearing Plate Overhangs 1/2"
8-29-17

A close-up photograph of a steel beam-to-stringer connection. A horizontal steel beam is shown with a red-painted saddle bearing packrust applied to its top surface. The packrust is a thick, irregular layer of material, likely a combination of paint and rust, used to lift the beam slightly from the stringer. The stringer is a vertical steel member. The surrounding steel surfaces are grey and show signs of rust and wear. The red paint is a bright, saturated color, contrasting with the grey steel.

**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 5
Saddle Bearing Packrust Lifting 1/4"
8-29-17**

**L0962 I-70 Cooper
Floorbeam L12'L12' North Web Stiffener
Between Stringers 4 & 5 Minor Section Loss
8-29-17**





**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 5
Saddle Bearing Support Moderate Section Loss
8-29-17**



**L0962 I-70 Cooper
Floorbeam L12'L12' North Web Stiffener
Between Stringers 5 & 6 Advanced Section Loss
8-29-17**



**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 6
Saddle Bearing
8-29-17**

A close-up photograph of a steel saddle bearing mounted on a stringer. The bearing is a horizontal steel plate with a central slot, showing significant rust and wear. It is positioned between two vertical steel members. Above the bearing, a diagonal steel beam is visible, also showing rust and some yellowish markings. The background is a light-colored, possibly concrete or steel, surface.

**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 7
Saddle Bearing
8-29-17**



L0962 Cooper Co
08/28/2017
Abutment 1
SW Wing Wall



L0962 Cooper Co
08/28/2017
Abutment 1 Looking North



L0962 Cooper Co
08/28/2017
Abutment 1, Looking North
Bearings 1, 2, & 3

L0962 Cooper Co
08/28/2017
Abutment 1, Looking North
Bearing 3





L0962 Cooper Co
08/28/2017
Abutment 1, Looking North
Bearings 2 & 1



L0962 Cooper Co
08/28/2017
Abutment 1, Looking North
Bearings 2 & 1

L0962 Cooper Co
08/28/2017
Abutment 1, Looking North
Bearing 1





L0962 Cooper Co
08/28/2017
Abutment 1, Bearings 1, Rocker Keeper
Front Side, Both nuts missing &
1 bolt missing



L0962 Cooper Co
08/28/2017
Abutment 1, Bearing 1,
rocker Keeper, Back Side
1 Nut Missing



L0962 Cooper Co
08/28/2017
Abutment 1 NW Wing Wall
No Undermining Present

L0962 Cooper Co
08/28/2017
Pier 4 Delamination
Looking East





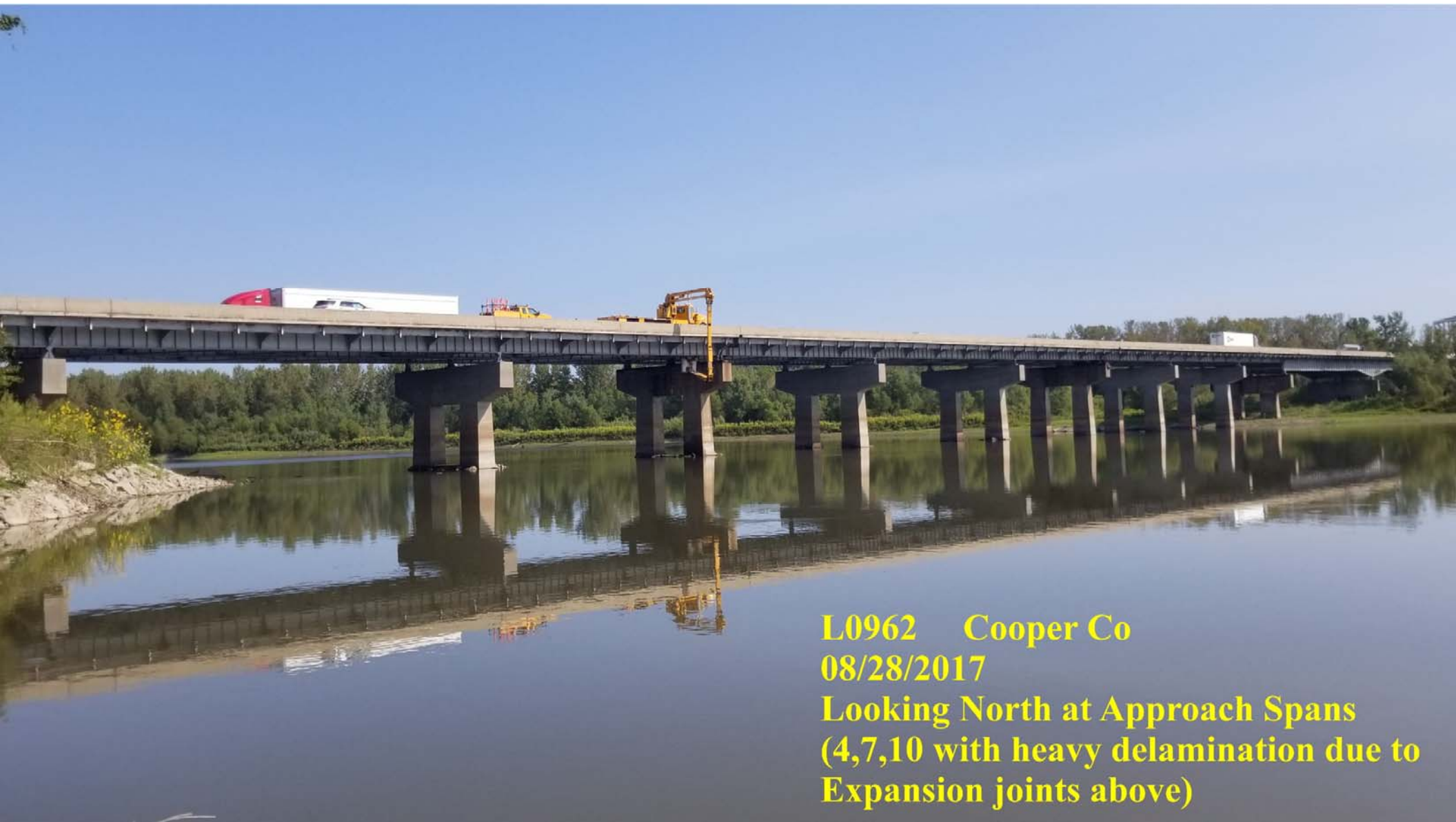
L0962 Cooper Co
08/28/2017
Pier 4 Delamination,
Looking East



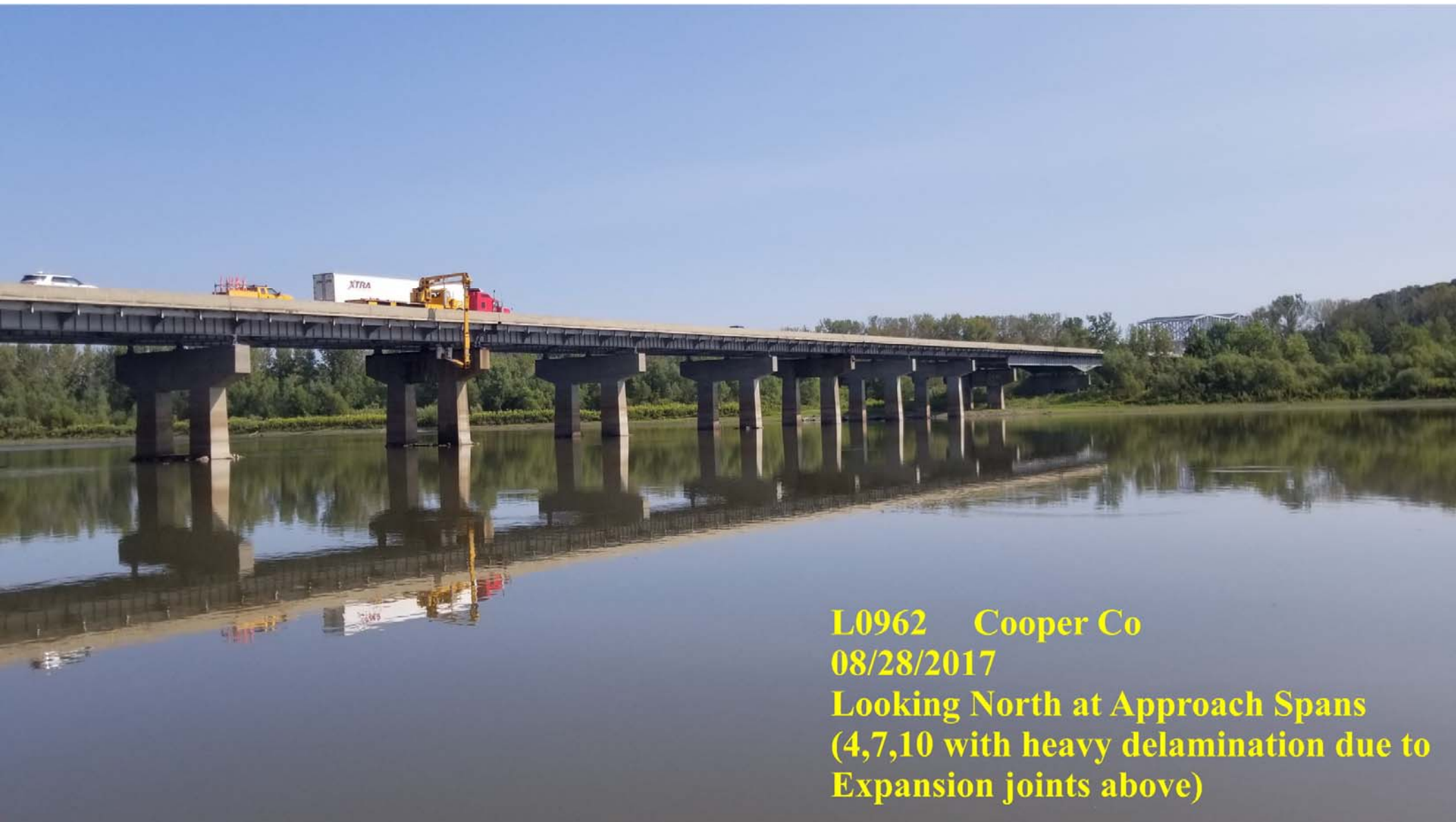
L0962 Cooper Co
08/28/2017
Looking East Through
Approach Spans 3, 4, 5, 6, 7...



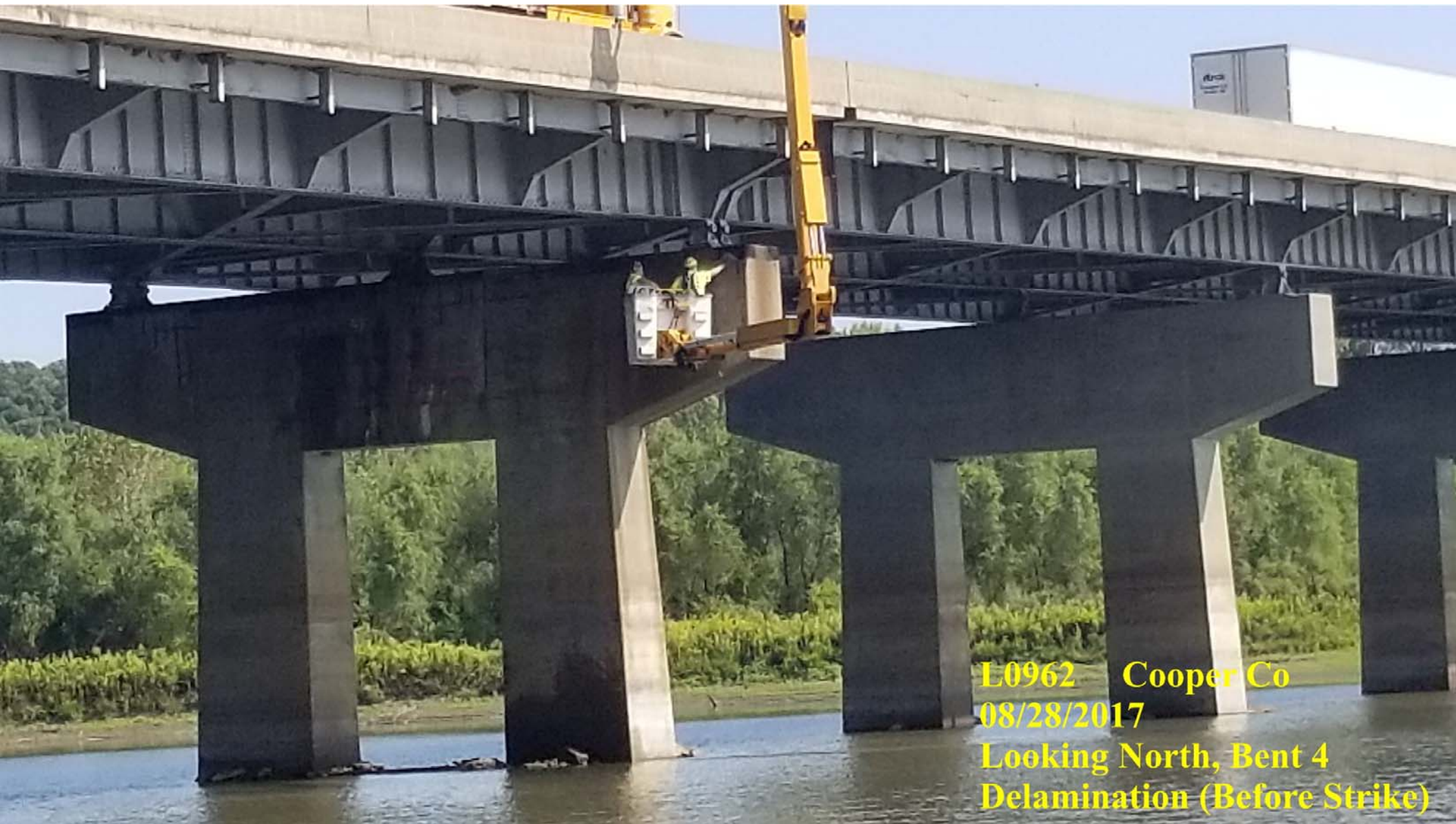
L0962 Cooper Co
08/28/2017
Looking East Through Approach Spans, 3, 4, 5, 6, 7...



L0962 Cooper Co
08/28/2017
Looking North at Approach Spans
(4,7,10 with heavy delamination due to
Expansion joints above)



L0962 Cooper Co
08/28/2017
Looking North at Approach Spans
(4,7,10 with heavy delamination due to
Expansion joints above)



L0962 Cooper Co
08/28/2017
Looking North, Bent 4
Delamination (Before Strike)



L0962 Cooper Co
08/28/2017
Looking North, Bent 4
Delamination (After Strike)

L0962 Cooper Co

08/28/2017

Abutment 1, EB Lanes, Strip Seal



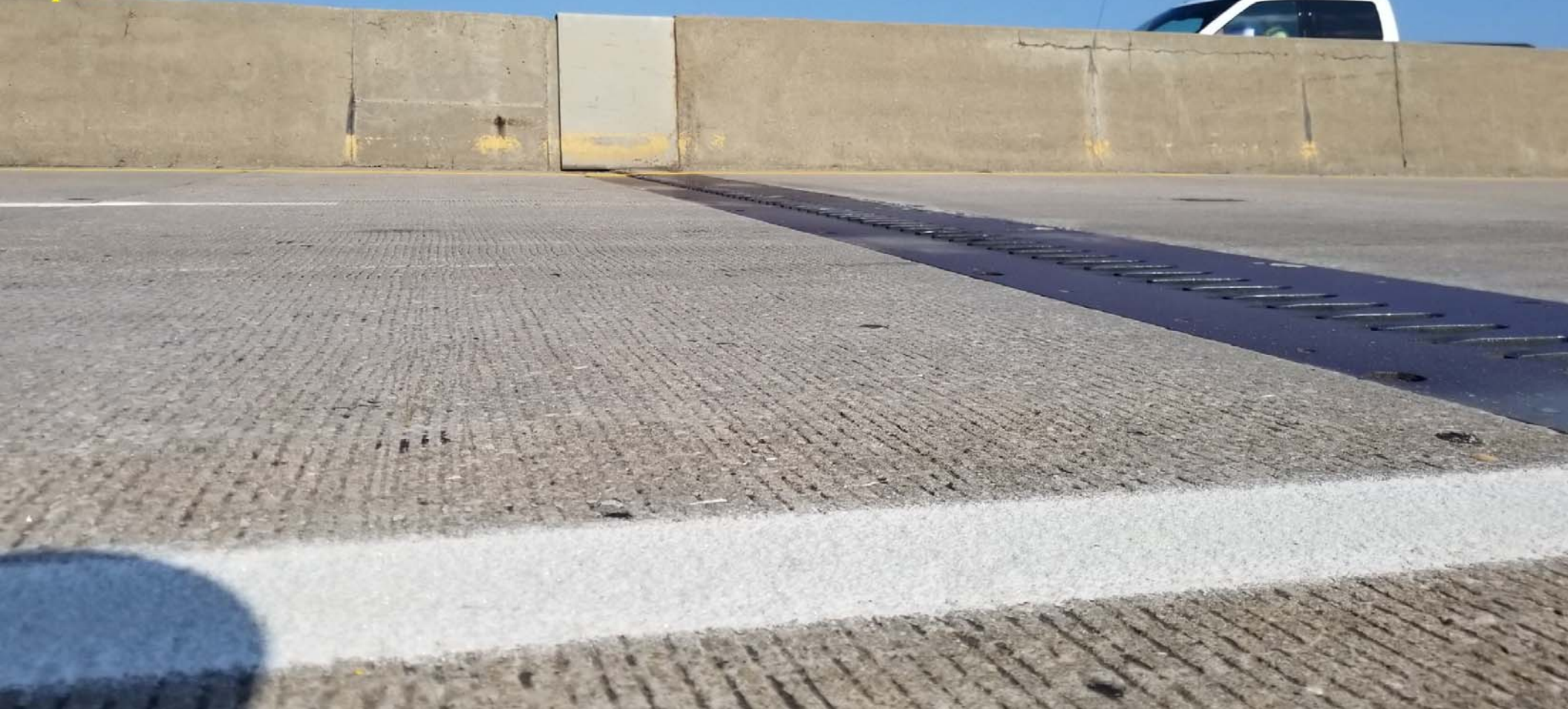
L0962 Cooper Co

08/28/2017

**Pier 4, EB Lanes, Finger Plate
Expansion Joint**



L0962 Cooper Co
08/28/2017
Pier 4, EB Lanes Finger Plate
Expansion Joint



L0962 Cooper Co
08/28/2017
Pier 7, EB Lanes, Finger Plate
Expansion Joint



L0962 Cooper Co
08/28/2017
Pier 7, EB Lanes, Finger Plate
Expansion Joint



L0962 Cooper Co

08/28/2017

Pier 10, EB Lanes, Finger Plate
Expansion Joint



L0962 Cooper Co
08/28/2017
Pier 13, EB Lanes, Finger Plate
Expansion Joint



L0962 Cooper Co
08/28/2017
L4, EB Lanes, Strip Seal



L0962 Cooper Co
08/28/2017
L8, EB Lanes, Strip Seal





L0962 Cooper Co
08/28/2017
L12, EB Lanes, Strip Seal



L0962 Cooper Co
08/28/2017
L16, EB Lanes, Strip Seal



L0962 Cooper Co
08/28/2017
L19, EB Lanes, Strip Seal



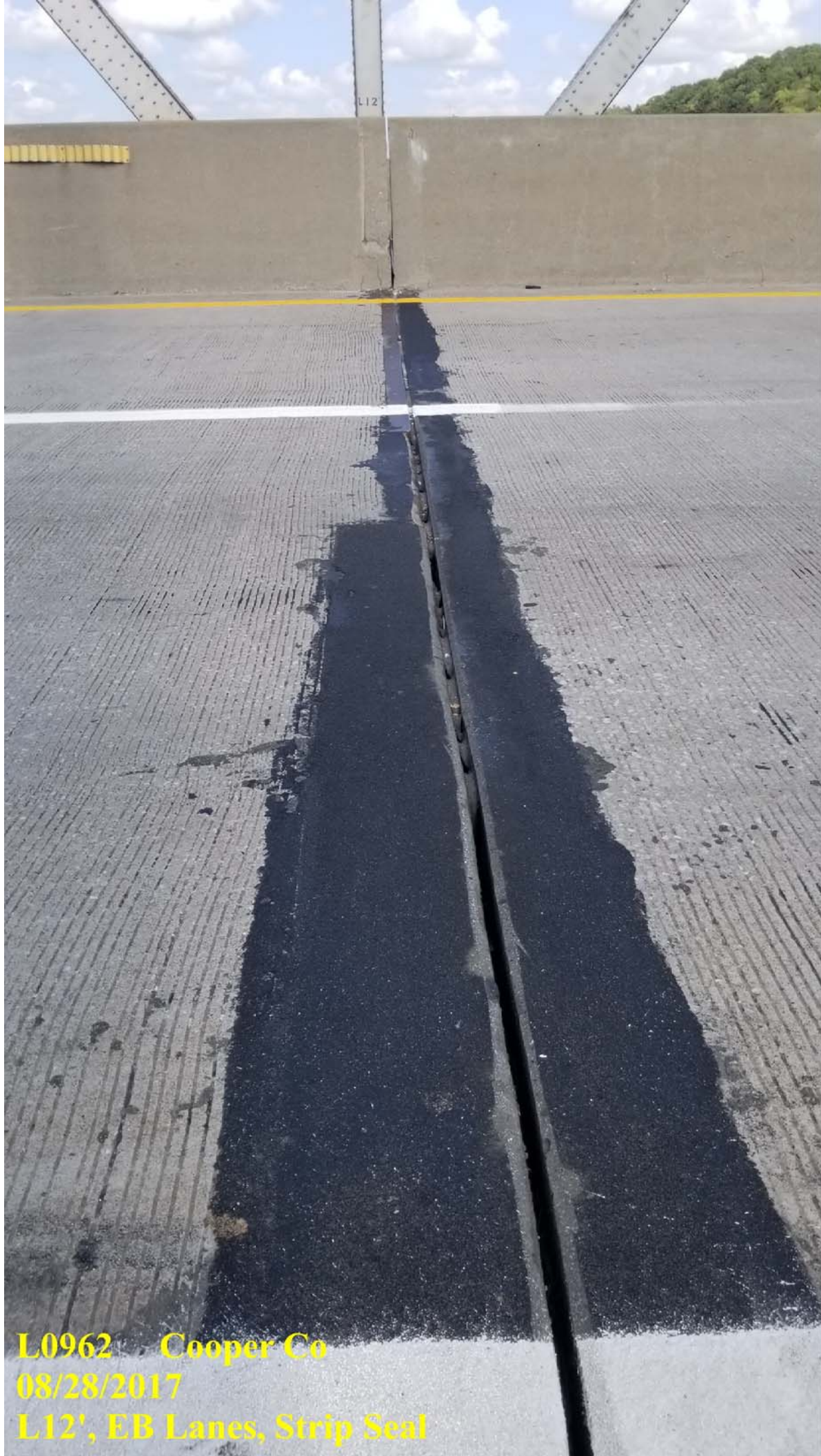
L0962 Cooper Co
08/28/2017
L19' EB Lanes, Strip Seal



L0962 Cooper Co

08/28/2017

L16', EB Lanes, Strip Seal



L0962 Cooper Co
08/28/2017
L12', EB Lanes, Strip Seal



L0962 Cooper Co
08/28/2017
L8', EB Lanes, Strip Seal

L0962 Cooper Co

08/28/2017

L4", EB Lanes, Strip Seal





L0962 Cooper Co

08/28/2017

Pier 15, EB Lanes, Finger Plate Expansion Joint



L0962 Cooper Co
08/28/2017
Abutment 18, EB Lanes, Strip Seal



L0962 Cooper Co

08/28/2017

**L2', South Side of Truss Top
of Lower Chord East Side**



L0962 Cooper Co
08/28/2017
L2', South Side of Truss, Top
of Lower Chord, West Side





L0962 Cooper Co
08/28/2017
L4', South Side of Truss
Top of Lower Chord
East Side

L0962 Cooper Co
08/28/2017
L4', South Side of Truss
Top of Lower Chord
West Side





L0962 Cooper Co

08/28/2017

L6', South Side of Truss

Top of Lower Chord

East Side

L0962 Cooper Co
08/28/2017
L6' South Side of Truss
Top Lower Chord, West Side





L0962 - Cooper Co
08/28/2017
L8' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L8' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L10' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co

08/28/2017

L10' South Side of Truss

Top Lower Chord, West Side

L0962 Cooper Co

08/28/2017

L12' South Side of Truss

Top Lower Chord, East Side





L0962 Cooper Co
08/28/2017
L12' South Side of Truss
Top Lower Chord, West Side

L0962 Cooper Co
08/28/2017
L14' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L14' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co

08/28/2017

L16' South Side of Truss

Top Lower Chord, East Side





L0962 Cooper Co
08/28/2017
L16' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L18' South Side of Truss
Top Lower Chord, East Side

L0962 Cooper Co
08/28/2017
L18' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L20' South Side of Truss
Top Lower Chord, East Side





L0962 Cooper Co

08/28/2017

L20' South Side of Truss

Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L18' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L18' South Side of Truss
Top Lower Chord, West Side

L0962 Cooper Co

08/28/2017

L16' South Side of Truss

Top Lower Chord, East Side





L0962 Cooper Co
08/28/2017
L16' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L14' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017

L14' South Side of Truss
Top Lower Chord, West Side

L0962 Cooper Co
08/28/2017
L12' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L12' South Side of Truss
Top Lower Chord, West Side





L0962 Cooper Co
08/28/2017
L10' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co

08/28/2017

L10' South Side of Truss

Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L8' South Side of Truss
Top Lower Chord, East Side



L0962 - Cooper Co
08/28/2017
L8' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L6' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L16' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co
08/28/2017
L4' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L4' South Side of Truss
Top Lower Chord, West Side

L0962 Cooper Co
08/28/2017
L2' South Side of Truss
Top Lower Chord, East Side



L0962 Cooper Co
08/28/2017
L2' South Side of Truss
Top Lower Chord, West Side



L0962 Cooper Co

08/28/2017

EB Lanes, Barrier Curb Collision Damage

Approx 100' E. of Pier 10



L0962 I-70 Cooper
EBL Expansion Joint at L0
8-30-17





**L0962 I-70 Cooper
Floorbeam L0L0 Stringer 9 West Side
Web Bracket Advanced Section Loss
8-30-17**



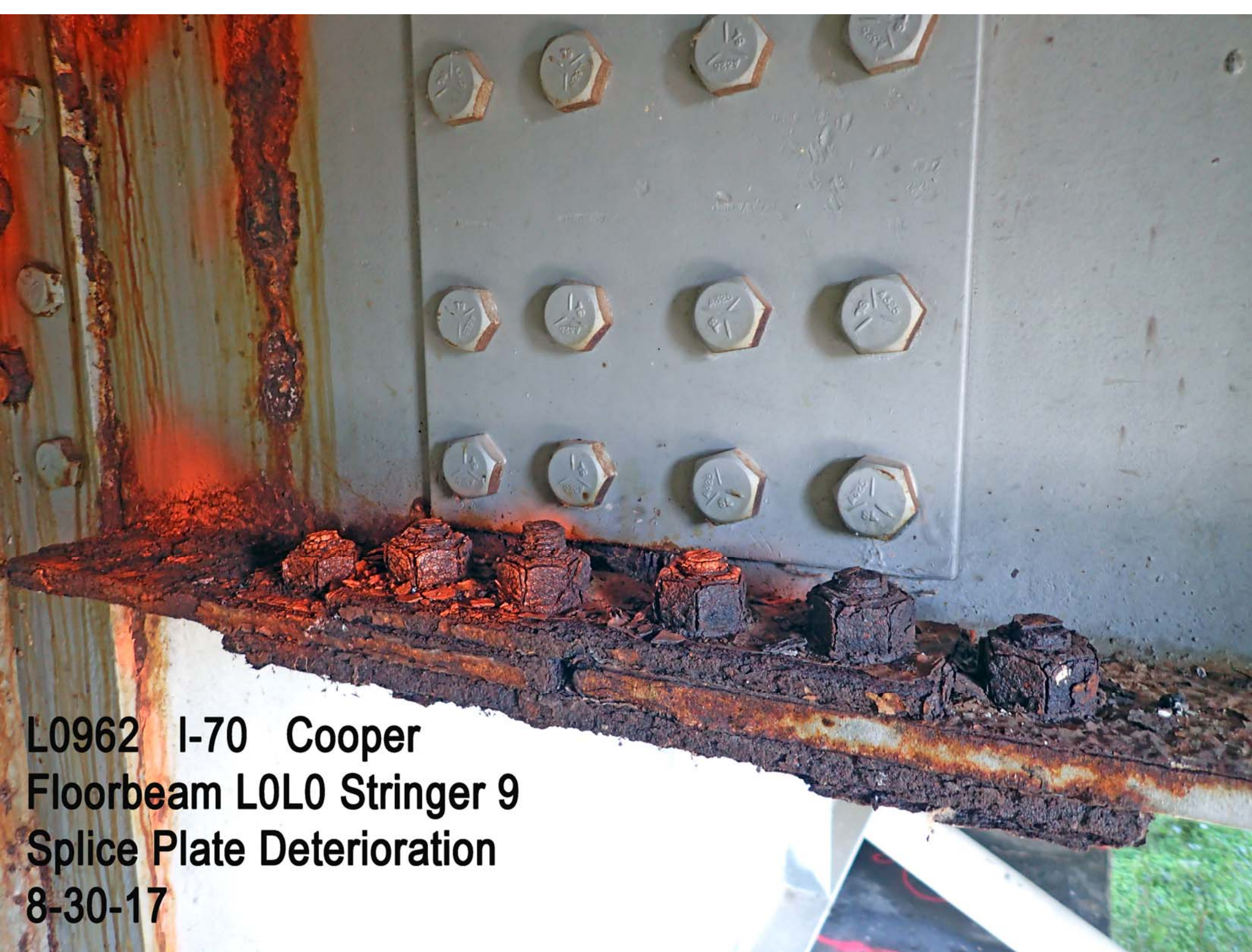
**L0962 I-70 Cooper
Floorbeam L0L0 at Stringer 9
Web Minor Section Loss
8-30-17**



L0962 I-70 Cooper
Floorbeam L0L0 at Stringer 9
Web and Stiffener Rust
8-30-17



**L0962 I-70 Cooper
Floorbeam L0L0 Stringer 9 East Side
Web Bracket Advanced Section Loss
8-30-17**



**L0962 I-70 Cooper
Floorbeam L0L0 Stringer 9
Splice Plate Deterioration
8-30-17**



**L0962 I-70 Cooper
Floorbeam L0L0 NE End Top Flange
Moderate Section Loss
8-30-17**

**L0962 I-70 Cooper
Floorbeam L0L0 at Stringer 9
Bottom Flange and Web Minor Section Los
8-30-17**



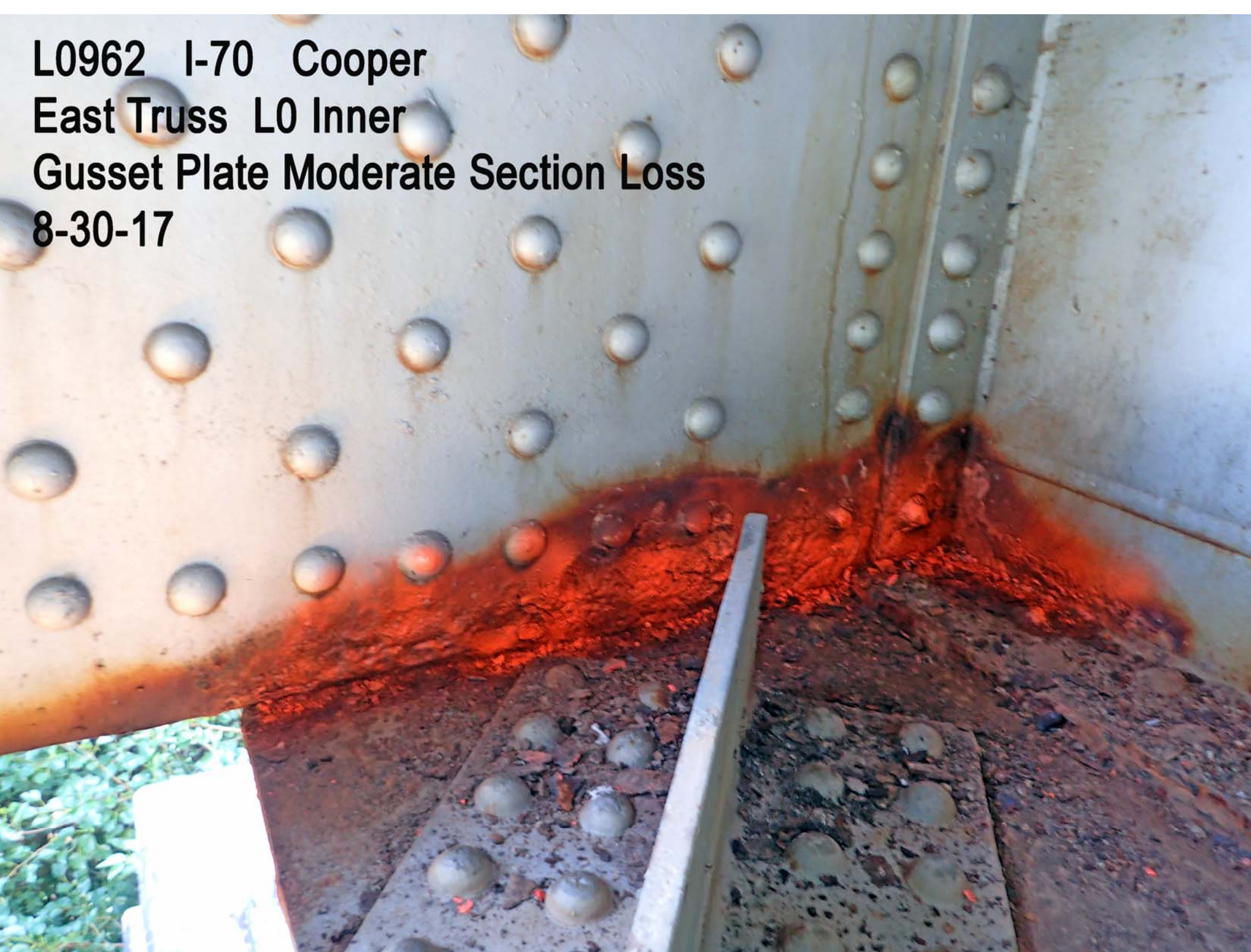


**L0962 I-70 Cooper
Floorbeam L0L0 at Stringer 9 Web Stiffener
and Stringer Support Advanced Section Loss
8-30-17**

**L0962 I-70 Cooper
Floorbeam L0L0 at Stringer 9 Web Stiffener
and Stringer Support Advanced Section Loss
8-30-17**



**L0962 I-70 Cooper
East Truss L0 Inner
Gusset Plate Moderate Section Loss
8-30-17**





**L0962 - I-70 Cooper
East Truss L0 Moveable Bearing
8-30-17**

L0962 I-70 Cooper
East Truss Floorbeam L0L0 Bottom
Cabin Post Minor Section Loss
8-30-17



L0962 I-70 Cooper
Backside Floorbeam L0L0 at Stringer 9 Web
Stiffener and Stringer Support Minor Section Loss
8-30-17





L0962 I-70 Cooper

SE End Floorbeam L0L0 Top Flange Deterioration

8-30-17



L0962 I-70 Cooper
Floorbeam L3L3 Center X-brace
Guset Plate Advanced Section Loss
8-30-17



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 9
East Side Bearing Area Section Loss
8-30-17**



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 9 West Side
Bearing Area Minor Section Loss
8-30-17**

A close-up photograph of a steel beam-to-stringer connection. A horizontal floorbeam is welded to a vertical stringer. A saddle bearing is positioned between the beam and the stringer, and a packrust lifting is visible, showing a gap between the components. The steel surfaces are heavily rusted, particularly around the welds and the saddle bearing. The background shows a concrete wall and a wooden surface.

**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 9 Saddle Bearing
Packrust Lifting 1/2"
8-30-17**



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 9
Saddle Bearing Support
8-30-17**



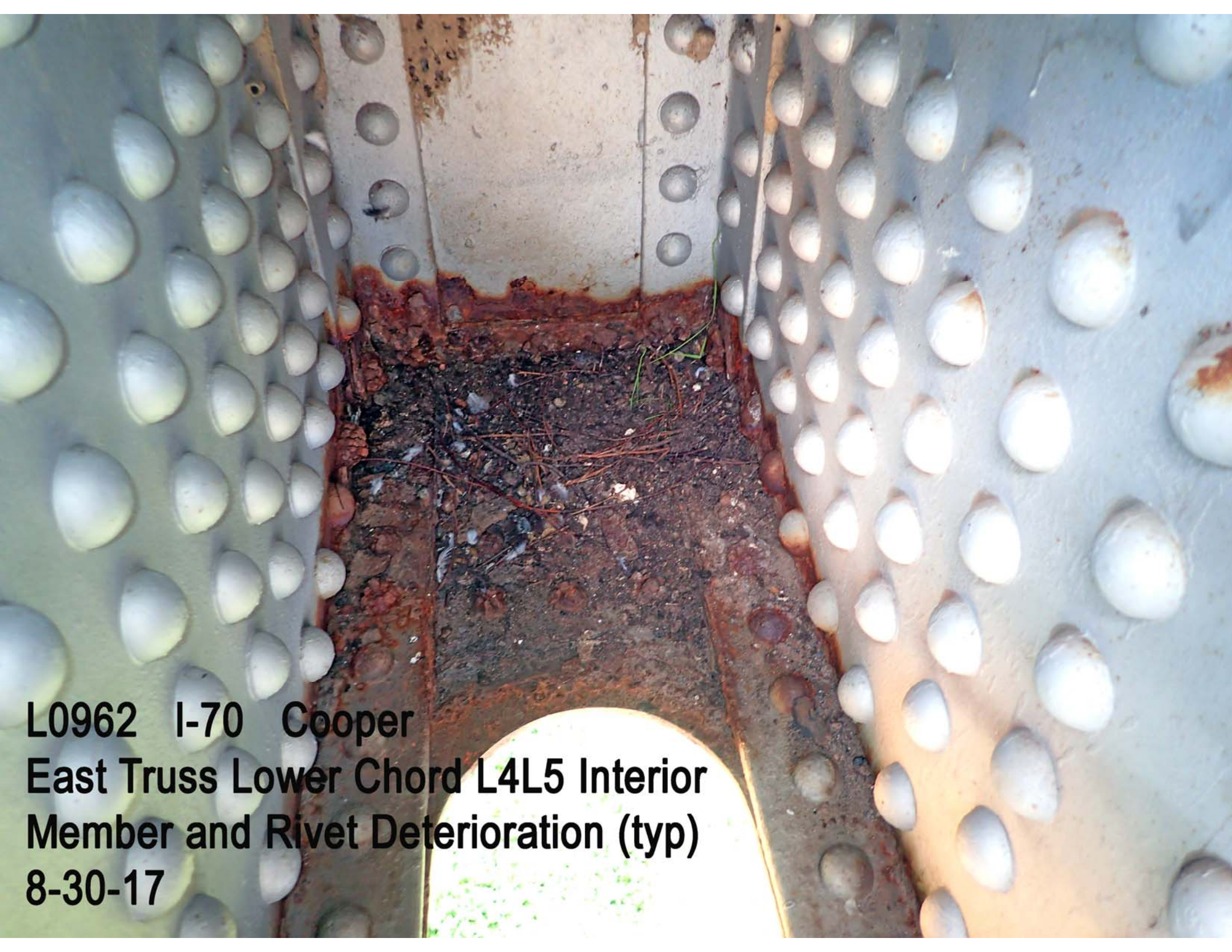
L0962 I-70 Cooper
East Truss Lower Chord L3L4
Top Plate Packrust Distortion (typ)
8-30-17



**L0962 I-70 Cooper
Floorbeam L4L4 at Stringer 9
Minor Section Loss
8-30-17**



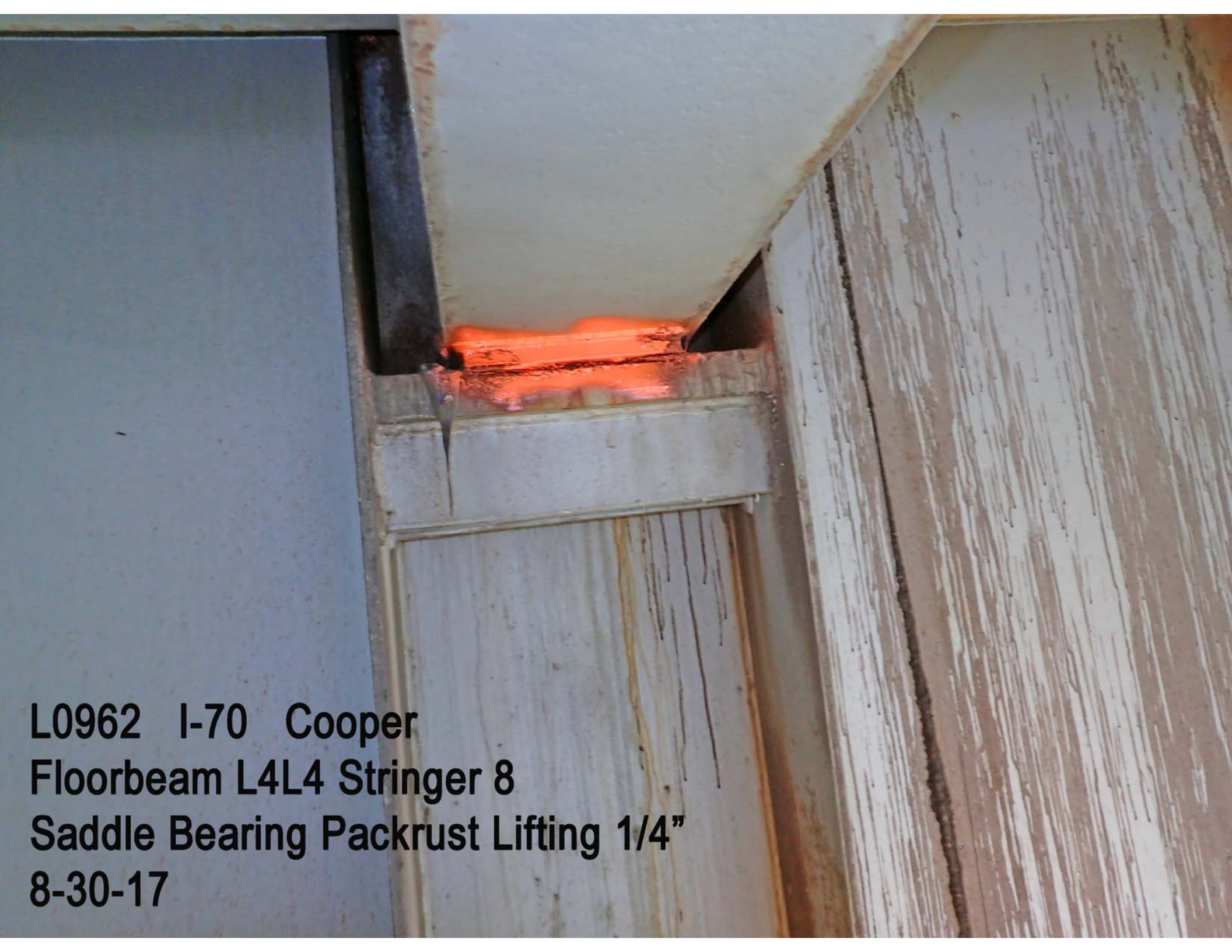
**L0962 I-70 Cooper
East Truss Lower Chord L4L5
Bottom Plate Packrust Distortion (typ)
8-30-17**




**L0962 I-70 Cooper
East Truss Lower Chord L4L5 Interior
Member and Rivet Deterioration (typ)
8-30-17**

L0962 I-70 Cooper
East Truss Lower Gusset Plate L4
Moderate Section Loss Along Lower Chord
8-30-17

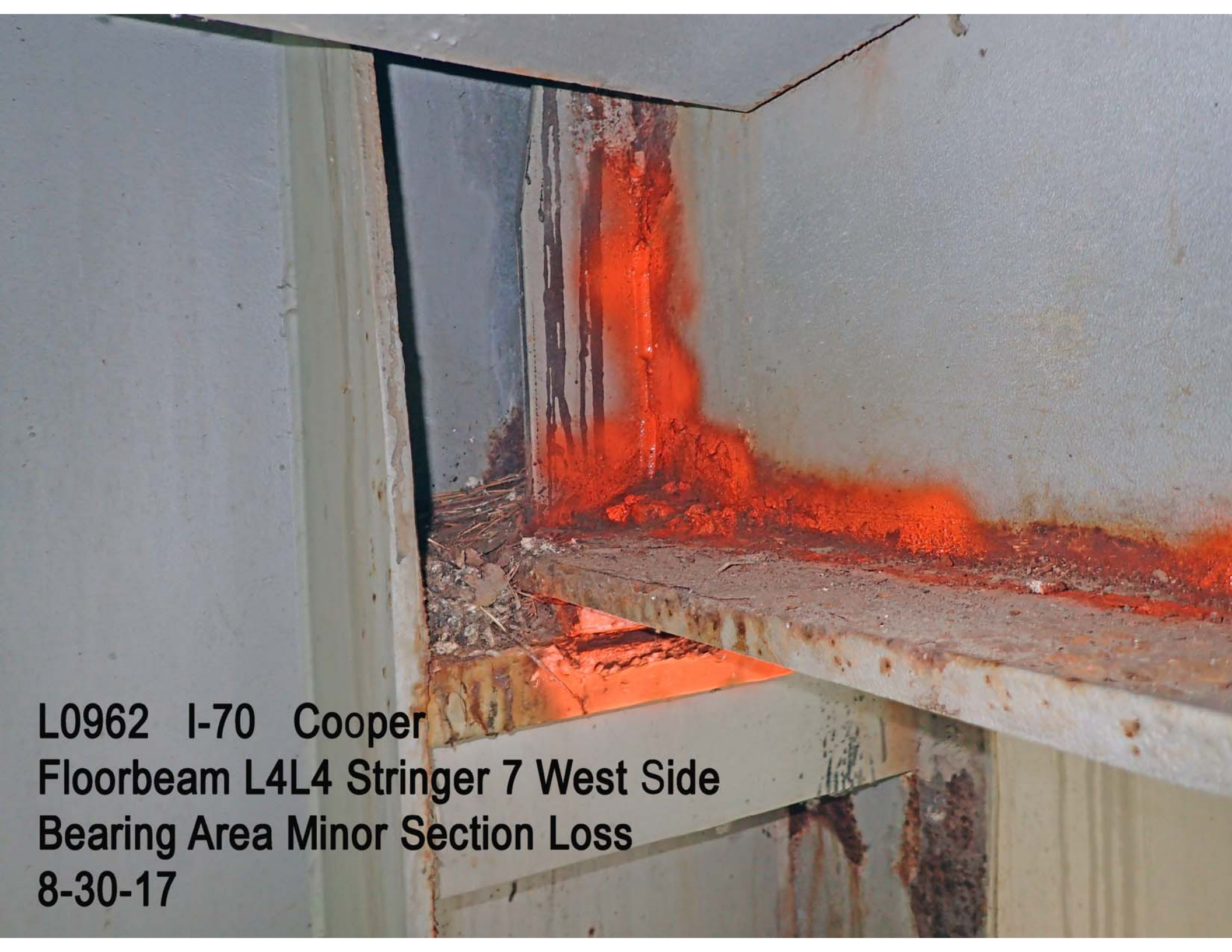




L0962 I-70 Cooper
Floorbeam L4L4 Stringer 8
Saddle Bearing Packrust Lifting 1/4"
8-30-17



L0962 I-70 Cooper
Floorbeam L4L4 Stringer 7
Saddle Bearing Packrust Lifting 1/2"
8-30-17



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 7 West Side
Bearing Area Minor Section Loss
8-30-17**



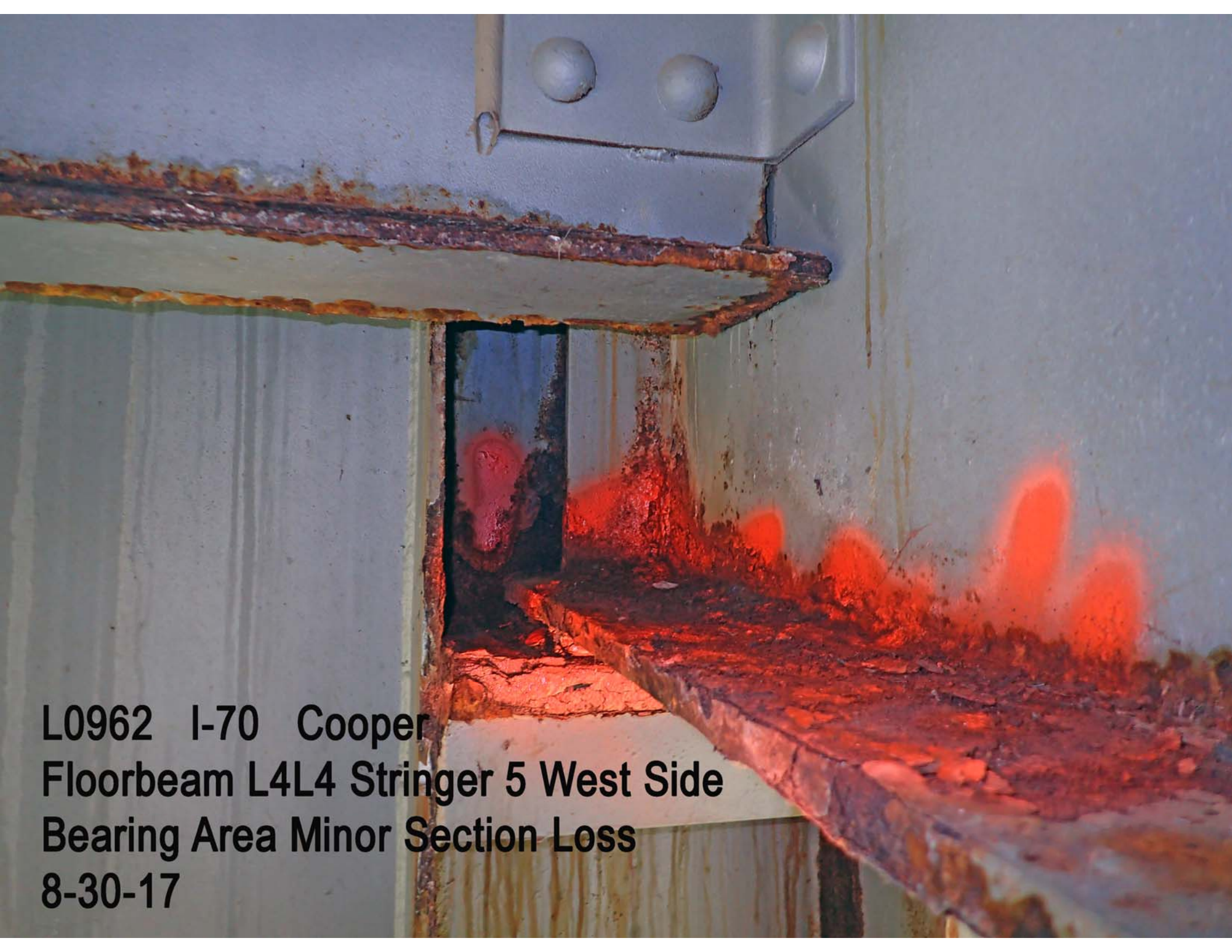
L0962 I-70 Cooper
Floorbeam L4L4 Stringer 7 East Side
Bearing Area Minor Section Loss
8-30-17



L0962 I-70 Cooper
Floorbeam L4L4 Stringer 6
Saddle Bearing Packrust Lifting 1/4"
8-30-17



L0962 I-70 Cooper
Floorbeam L4L4 Stringer 5
Saddle Bearing Heavy Packrust
8-30-17



L0962 I-70 Cooper
Floorbeam L4L4 Stringer 5 West Side
Bearing Area Minor Section Loss
8-30-17



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 5 East Side
Bearing Area Minor Section Loss
8-30-17**



L0962 I-70 Cooper
Floorbeam L4L4 at Stringer 5
Minor Section Loss
8-30-17



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 4 East Side
Bearing Area Advanced Section Loss
8-30-17**



**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 4 East Side
Bearing Area Advanced Section Loss
8-30-17**



The photograph shows a close-up of a steel beam-to-stringer connection. The steel surfaces are heavily corroded, with a bright orange-red rust visible on the vertical flange of the beam and the horizontal flange of the stringer. The concrete deck surface is cracked and peeling, revealing the underlying steel. The text overlay provides the following information:

**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 4 West Side
Bearing Area Advanced Section Loss
8-30-17**

A close-up photograph of a steel beam connection. A red laser line is projected onto the top flange of a horizontal beam, indicating a specific measurement or alignment point. The steel surface shows signs of rust and wear. The background is a light-colored, possibly painted, surface.

**L0962 I-70 Cooper
Floorbeam L4L4 Stringer 4
Saddle Bearing Packrust Lifting 1/4"
8-30-17**



L0962 I-70 Cooper
Floorbeam L4L4
8-30-17

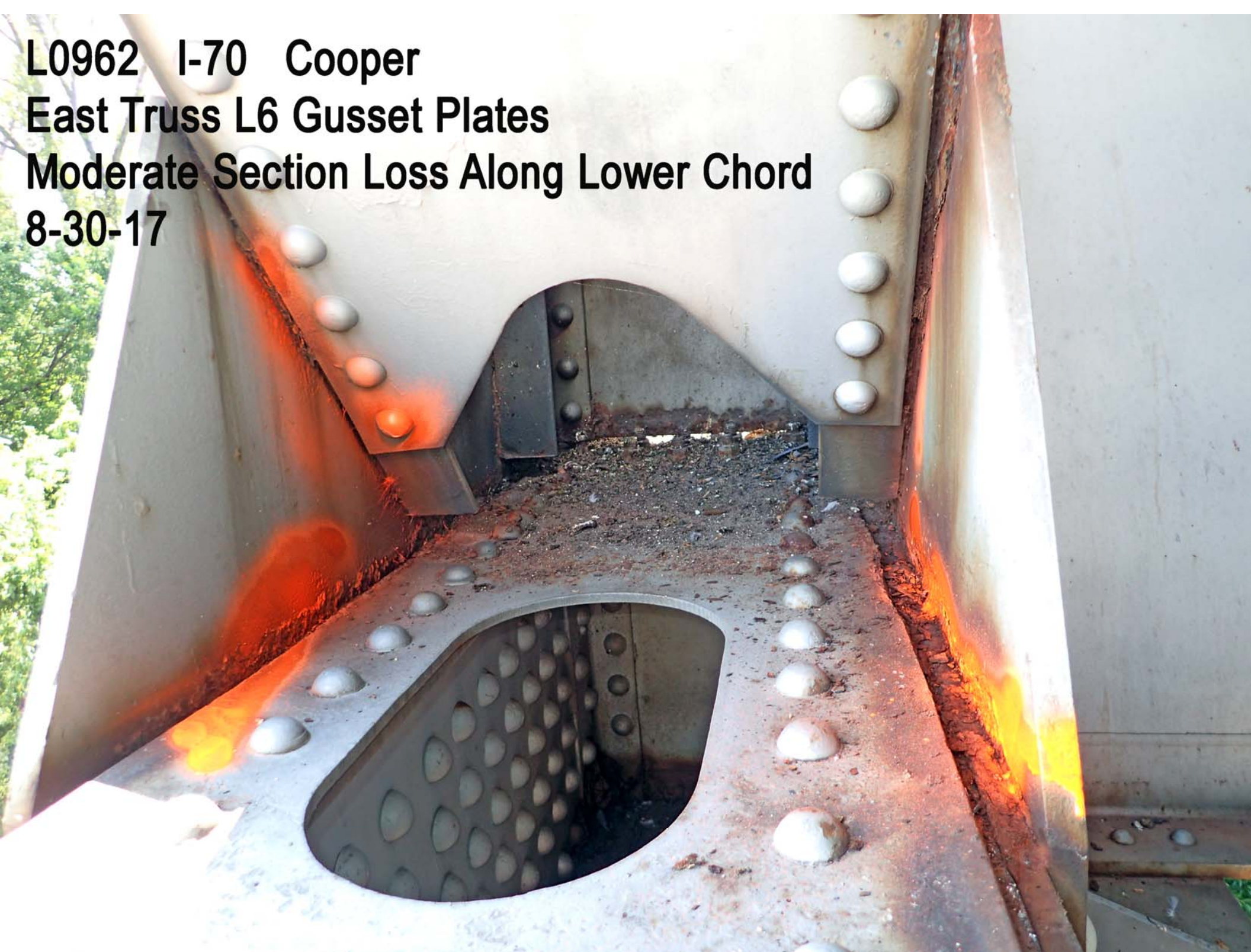


**L0962 I-70 Cooper
Floorbeam L4L4 and Stringer 9
Moderate Web and Top Flange Section Loss
8-30-17**



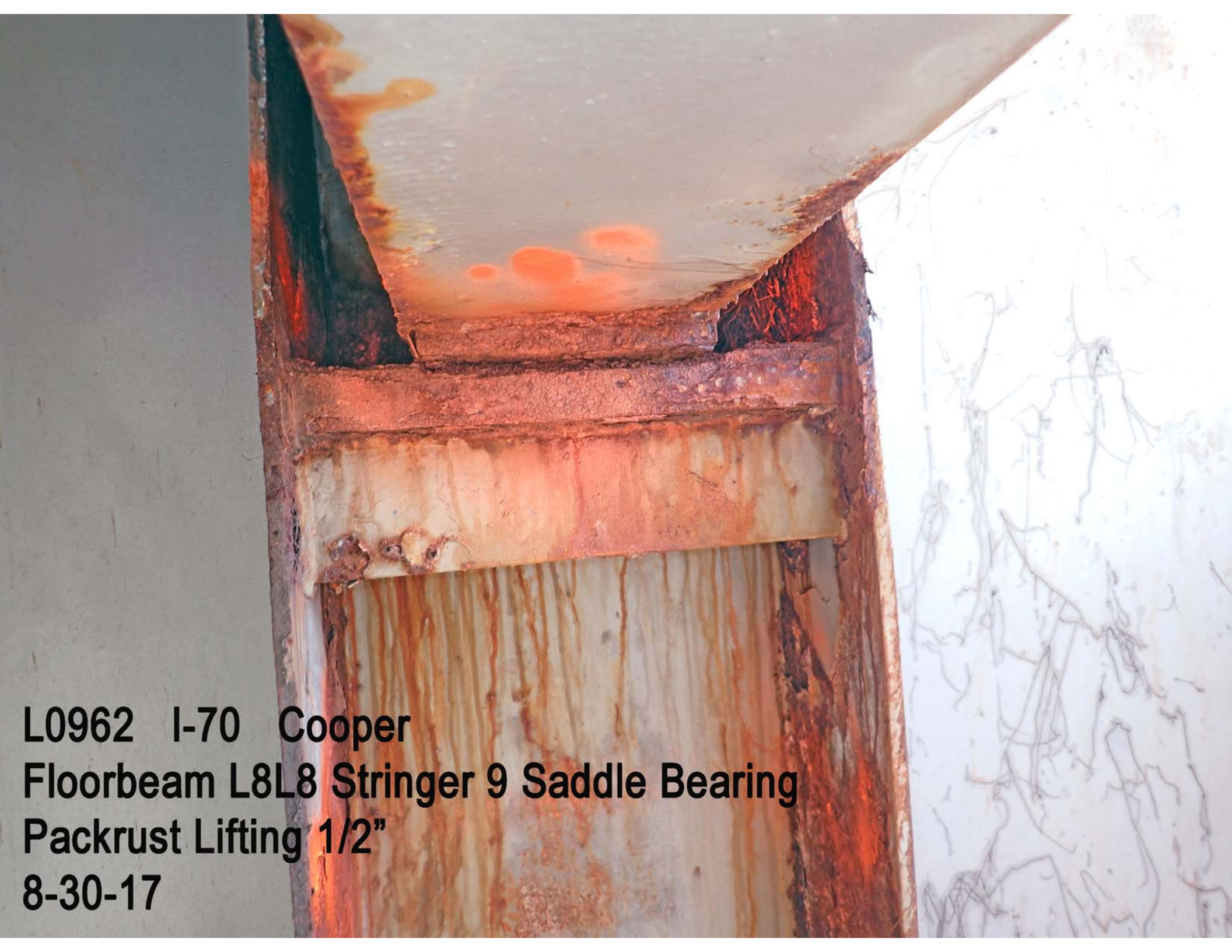
L0962 I-70 Cooper
East Truss Diagonal L6M7 Moderate
Section Loss at L6 Inner Gusset Plate
8-30-17

L0962 I-70 Cooper
East Truss L6 Gusset Plates
Moderate Section Loss Along Lower Chord
8-30-17



L0962 I-70 Cooper
EBL Expansion Joint at L4
8-30-17





**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 9 Saddle Bearing
Packrust Lifting 1/2"
8-30-17**



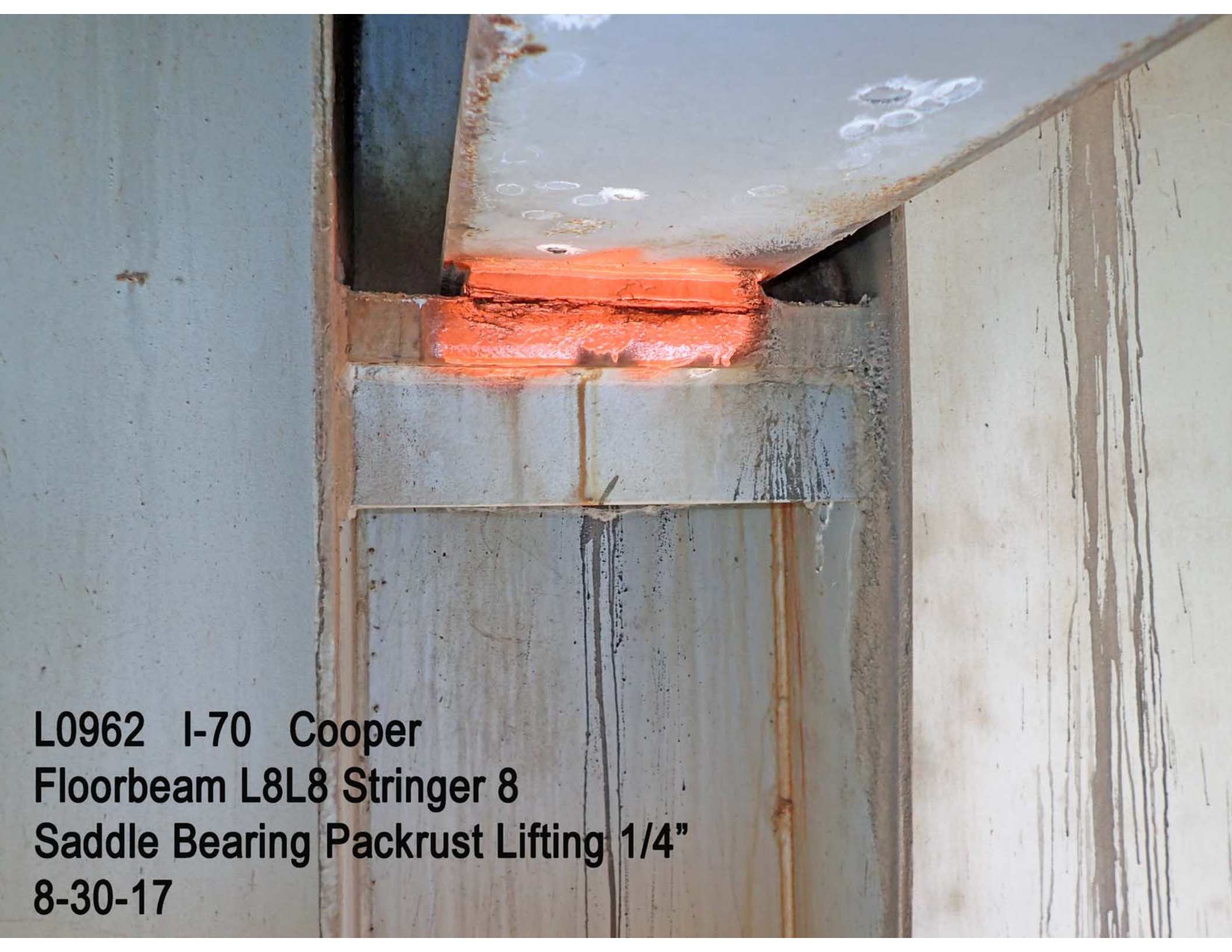
**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 9 West Side
Bearing Area Minor Section Loss
8-30-17**



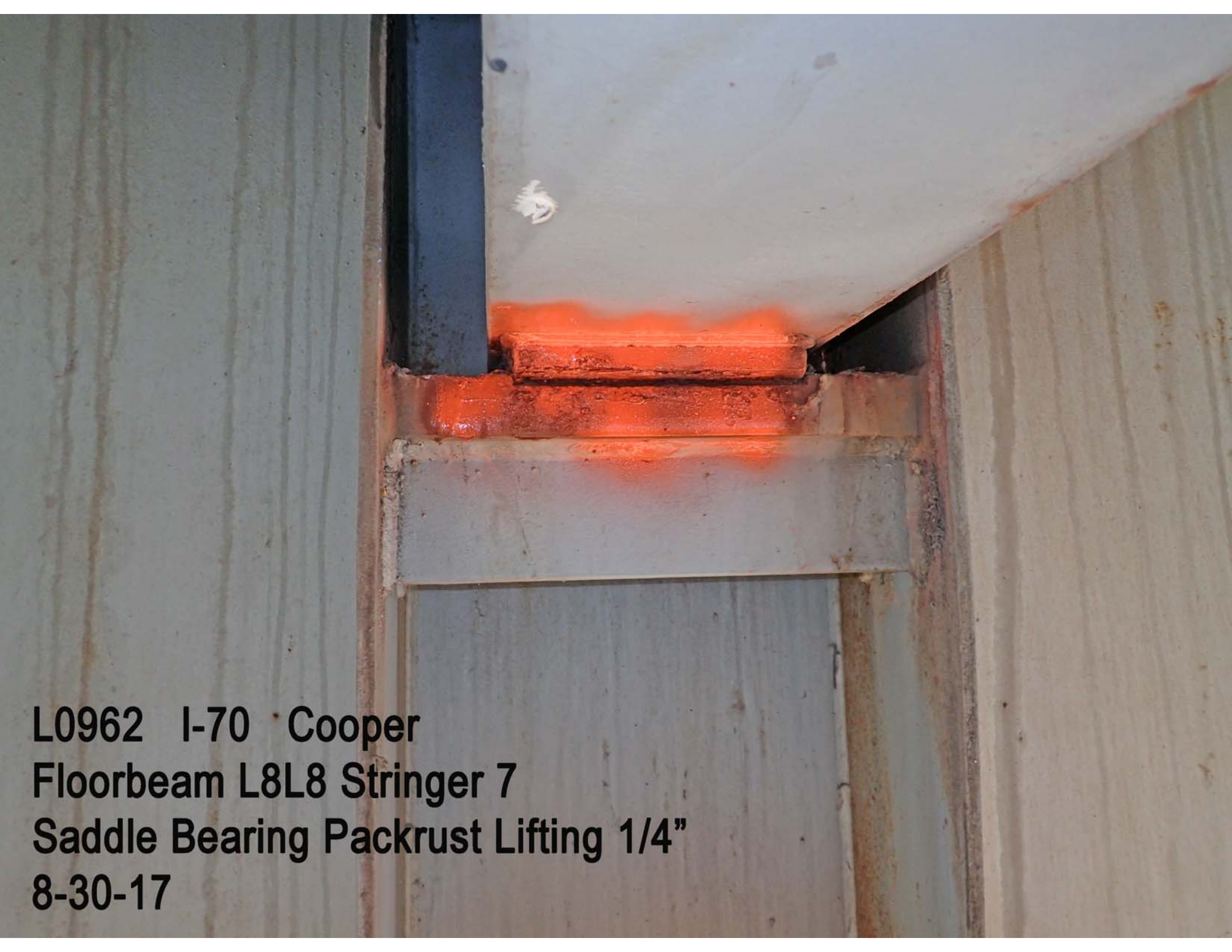
**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 9 East Side
Bearing Area Minor Section Loss
8-30-17**



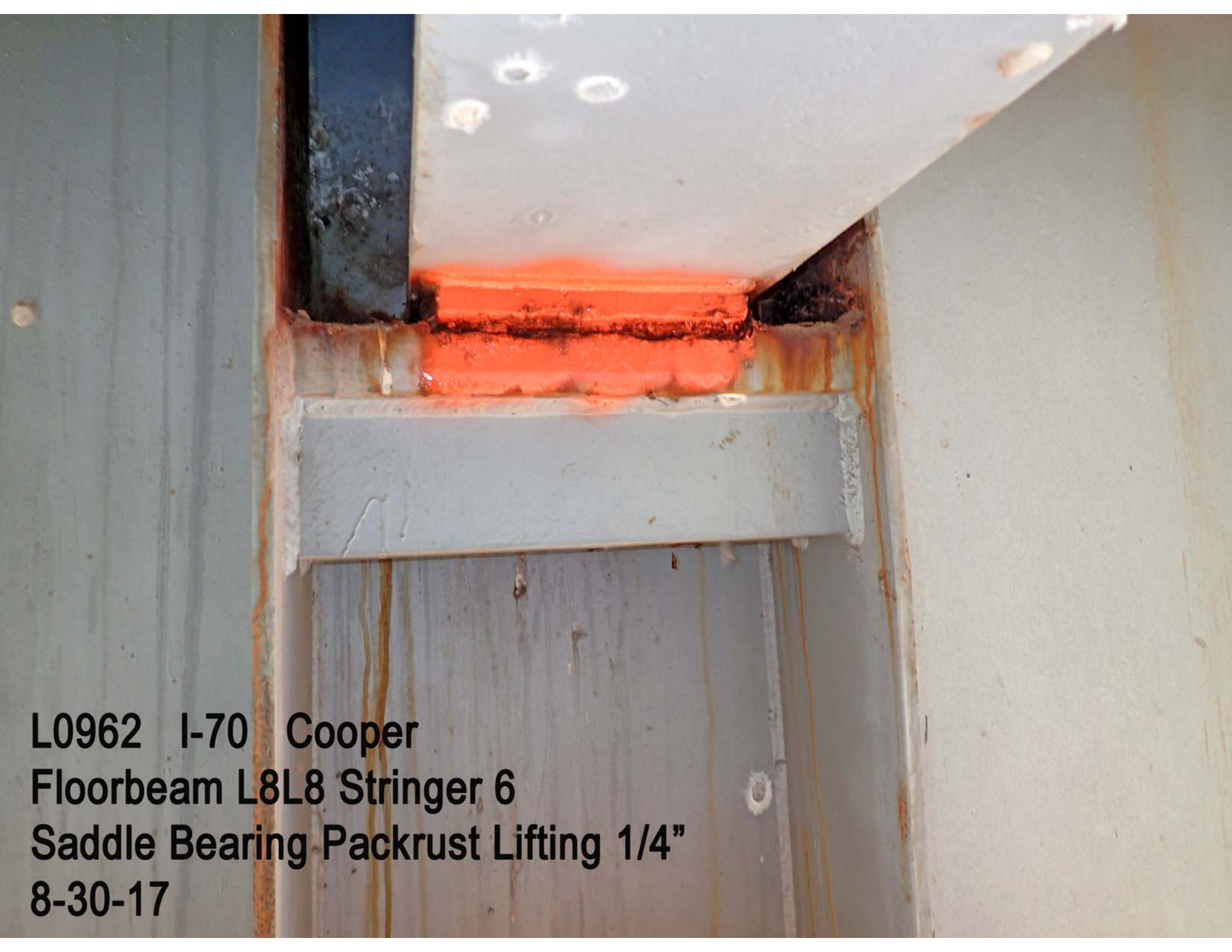
**L0962 I-70 Cooper
Floorbeam L8L8 at Stringer 9
Minor Section Loss
8-30-17**



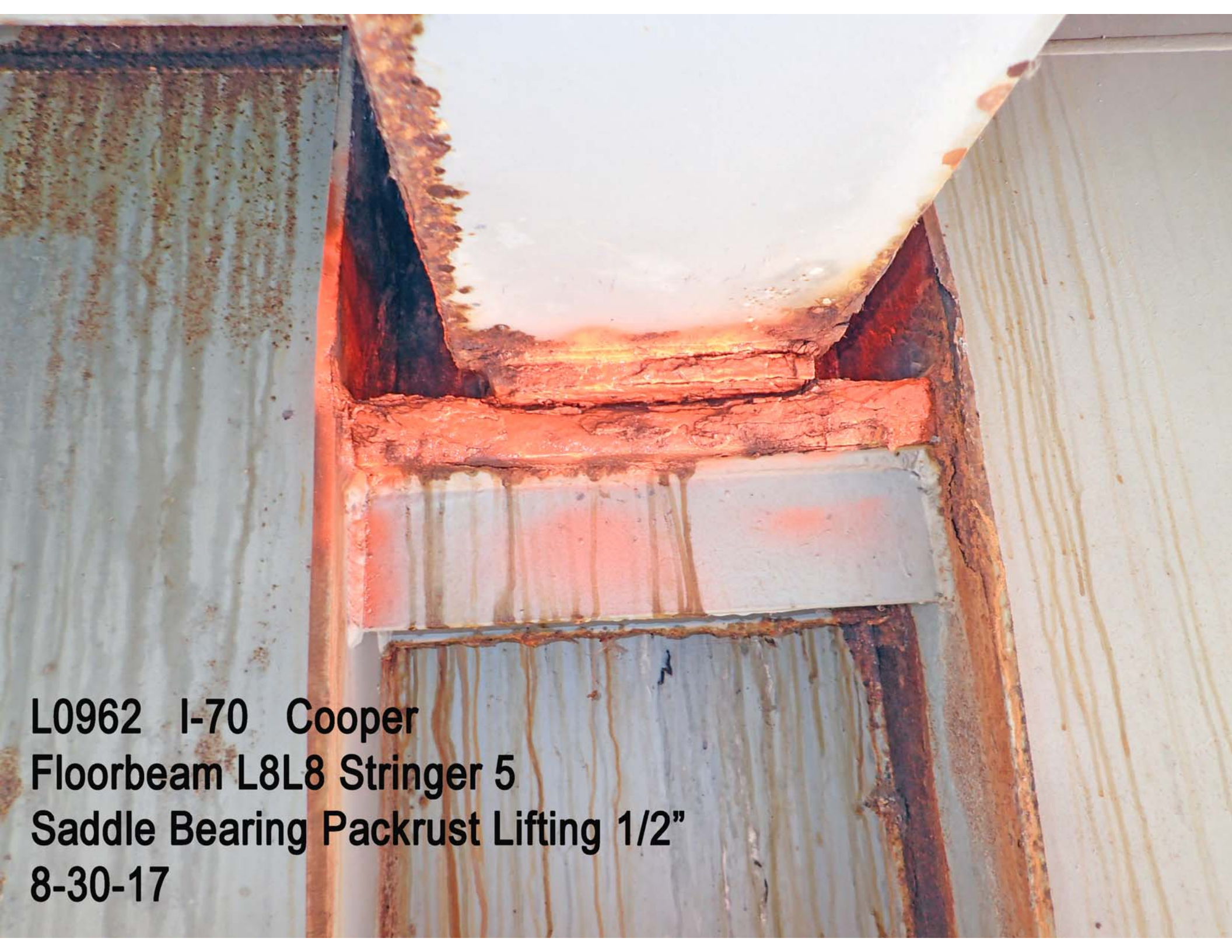
**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 8
Saddle Bearing Packrust Lifting 1/4"
8-30-17**



L0962 I-70 Cooper
Floorbeam L8L8 Stringer 7
Saddle Bearing Packrust Lifting 1/4"
8-30-17



L0962 I-70 Cooper
Floorbeam L8L8 Stringer 6
Saddle Bearing Packrust Lifting 1/4"
8-30-17



**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 5
Saddle Bearing Packrust Lifting 1/2"
8-30-17**



**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 5 West Side
Bearing Area Minor Section Loss
8-30-17**



**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 5 East Side
Bearing Area Minor Section Loss
8-30-17**



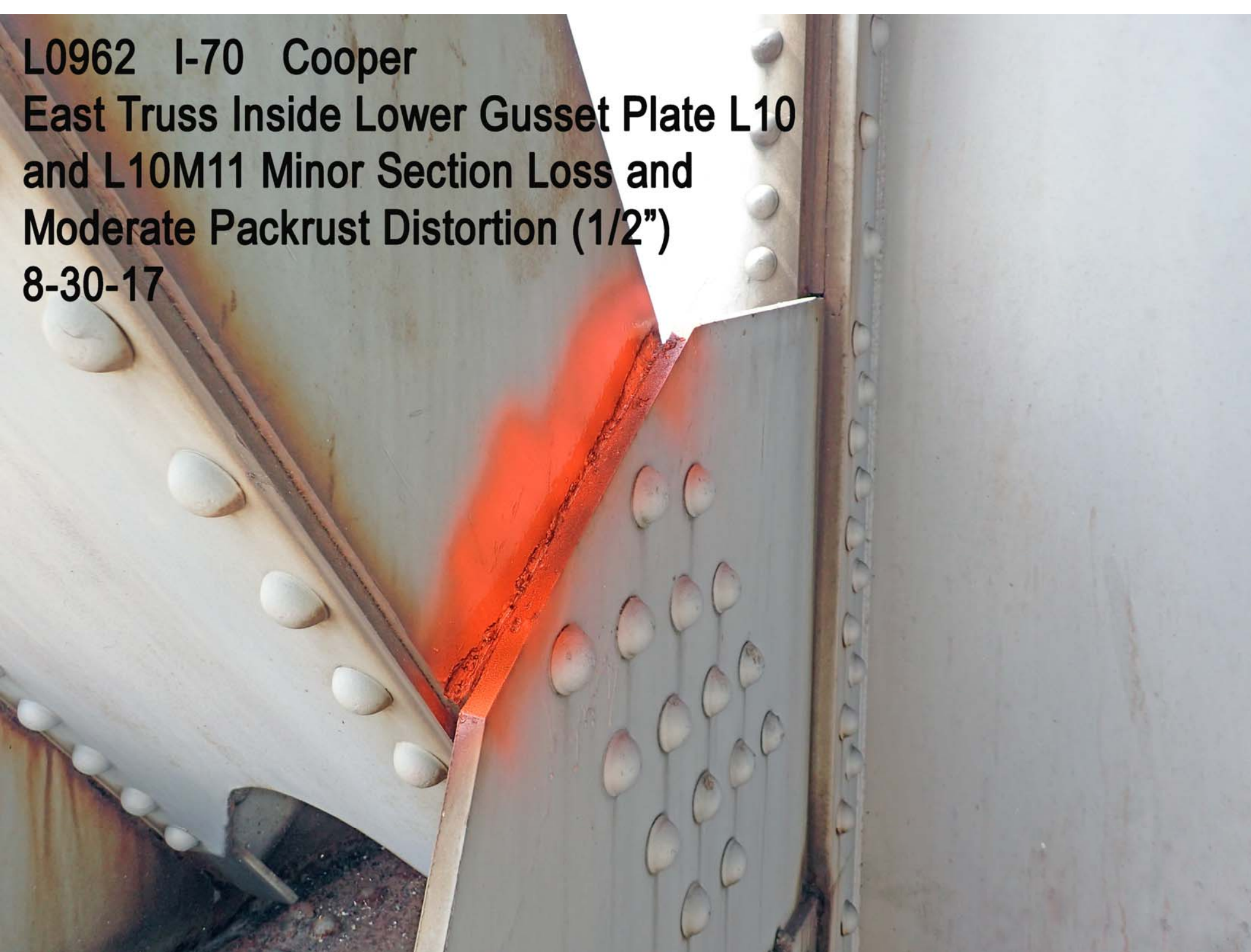
L0962 I-70 Cooper
Floorbeam L8L8 at Stringer 5
Minor Section Loss
8-30-17





**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 4 Saddle Bearing
8-30-17**

L0962 I-70 Cooper
East Truss Inside Lower Gusset Plate L10
and L10M11 Minor Section Loss and
Moderate Packrust Distortion (1/2")
8-30-17





A close-up photograph of a steel bridge joint. The image shows a horizontal steel beam (Floorbeam L12L12) and a vertical stringer (Stringer 9). A saddle bearing packrust is visible, lifting 1/4 inch. The text overlay provides the following information:

L0962 I-70 Cooper
Floorbeam L12L12 Stringer 9
Saddle Bearing Packrust Lifting 1/4"
8-30-17



L0962 I-70 Cooper
Floorbeam L12L12 Stringer 8
Saddle Bearing
8-30-17



L0962 I-70 Cooper
Floorbeam L12L12 Stringer 7
Saddle Bearing Packrust Lifting 1/4"
8-31-17



**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 7 East Side
Bearing Area Minor Section Loss
8-31-17**



**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 7 West Side
Bearing Area Minor Section Loss
8-31-17**

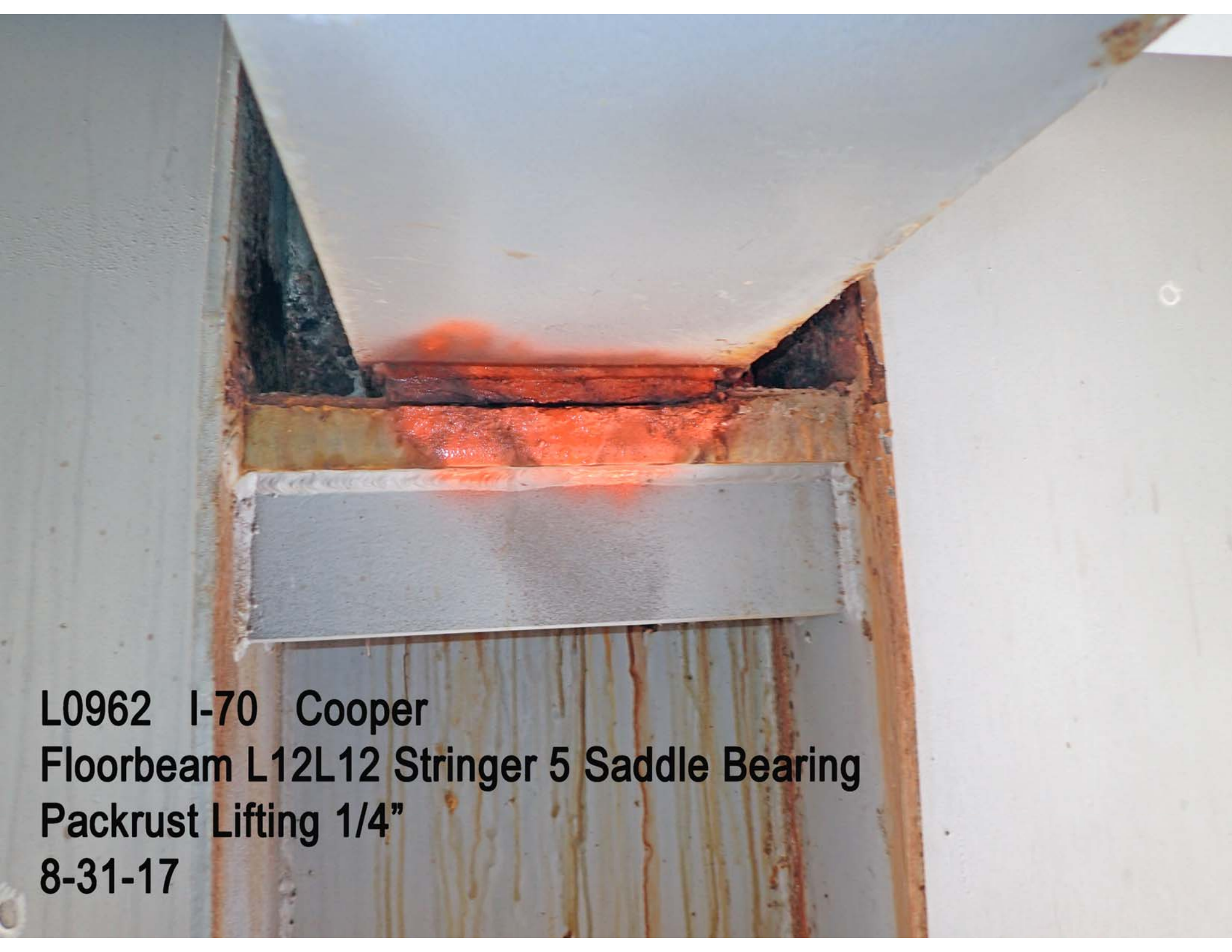


L0962 I-70 Cooper
Floorbeam L12L12 at Stringer 7
Minor Section Loss
8-31-17

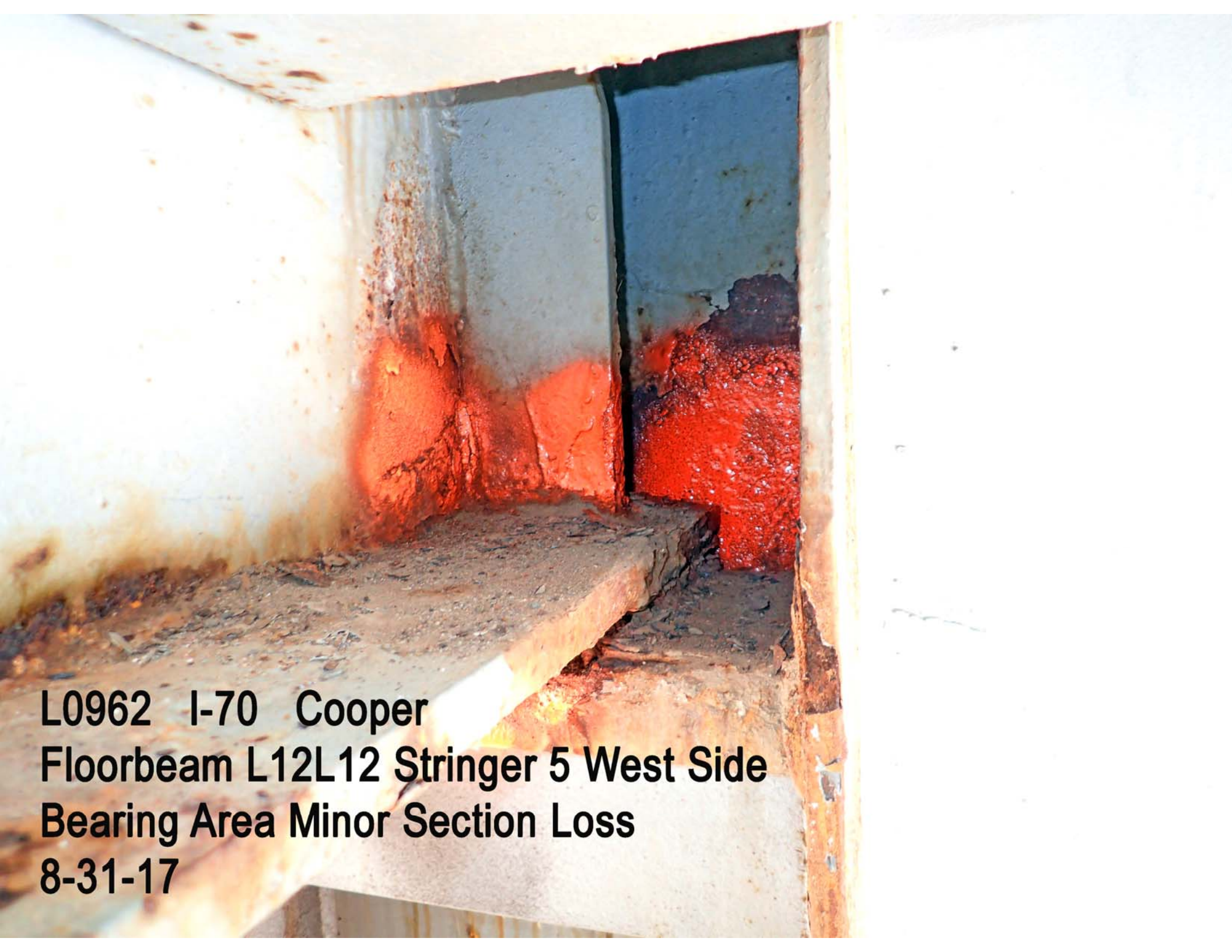


A close-up photograph of a steel bridge structure. A horizontal steel beam is visible, with a red-painted saddle bearing mounted on top. The bearing is positioned between two vertical steel supports. The surrounding area shows some rust and debris. The text 'L0962 I-70 Cooper' is visible in the upper left corner, and 'Floorbeam L12L12 Stringer 5' is visible in the lower left corner. The date '8-31-17' is visible in the bottom left corner.

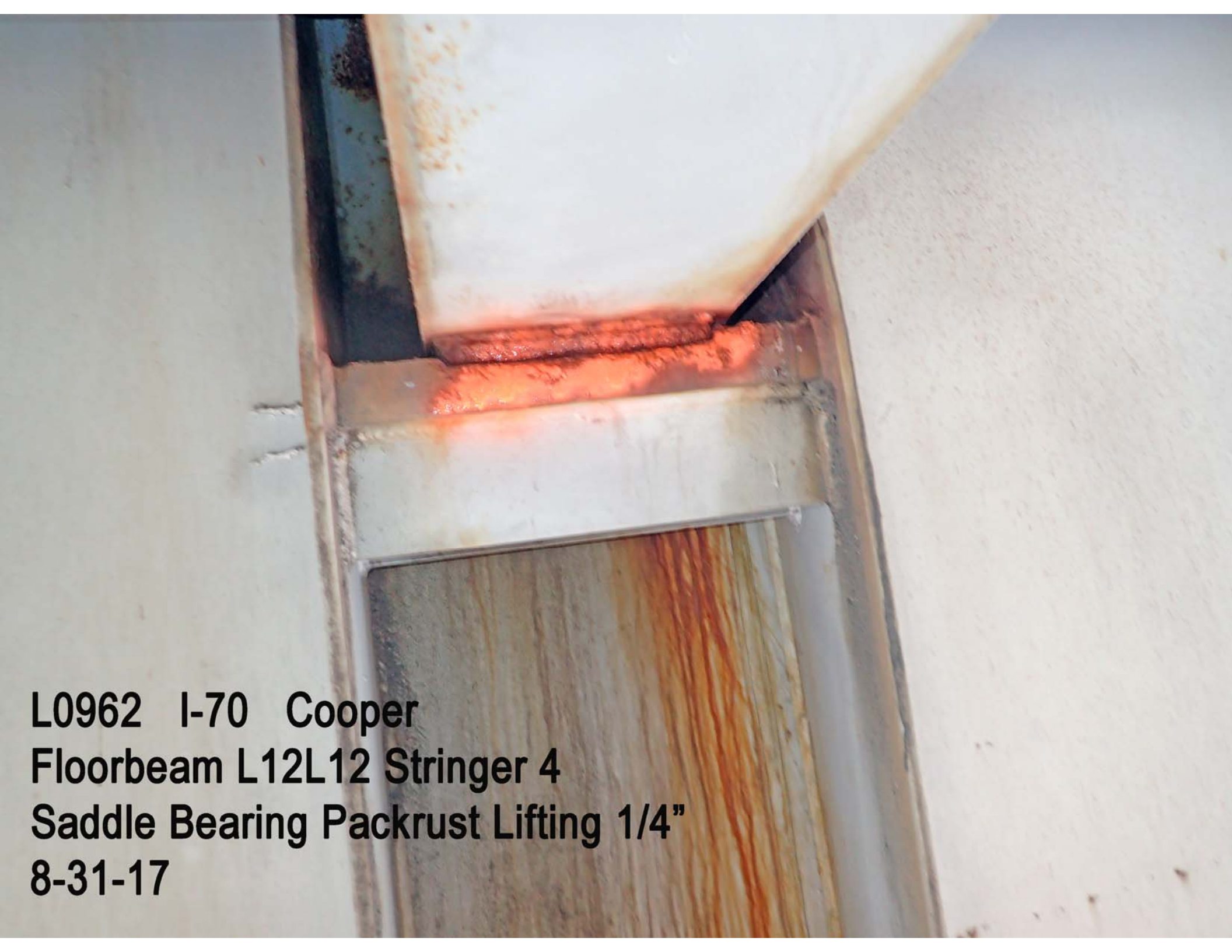
L0962 I-70 Cooper
Floorbeam L12L12 Stringer 5
Saddle Bearing
8-31-17



**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 5 Saddle Bearing
Packrust Lifting 1/4"
8-31-17**



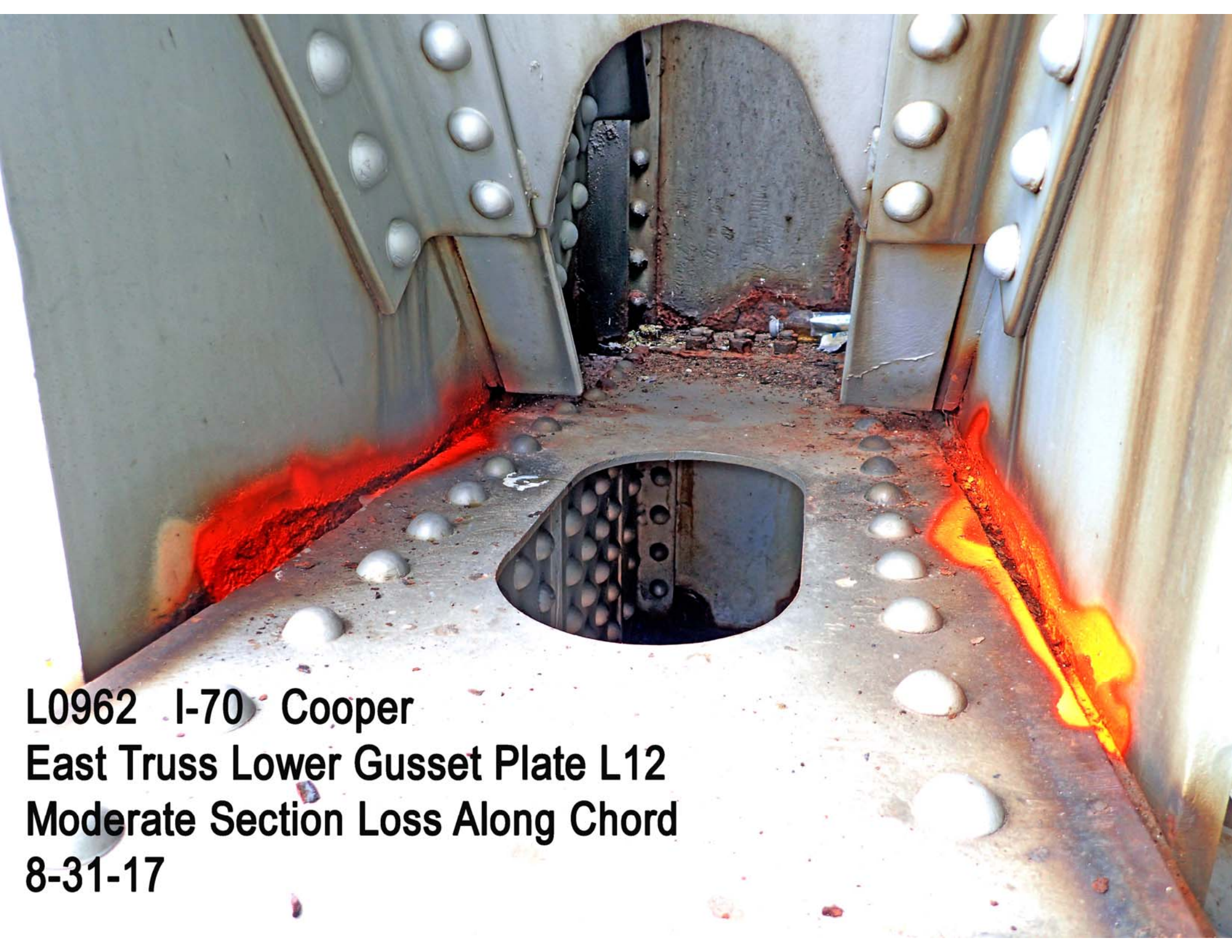
L0962 I-70 Cooper
Floorbeam L12L12 Stringer 5 West Side
Bearing Area Minor Section Loss
8-31-17

A close-up photograph of a steel beam-to-column connection. The beam is an L12L12 stringer, and the column is a Cooper floorbeam. A red heat-treated area is visible on the beam's flange, indicating a lifting operation. The text overlay provides details about the location (L0962 I-70 Cooper) and the date (8-31-17).

L0962 I-70 Cooper
Floorbeam L12L12 Stringer 4
Saddle Bearing Packrust Lifting 1/4"
8-31-17



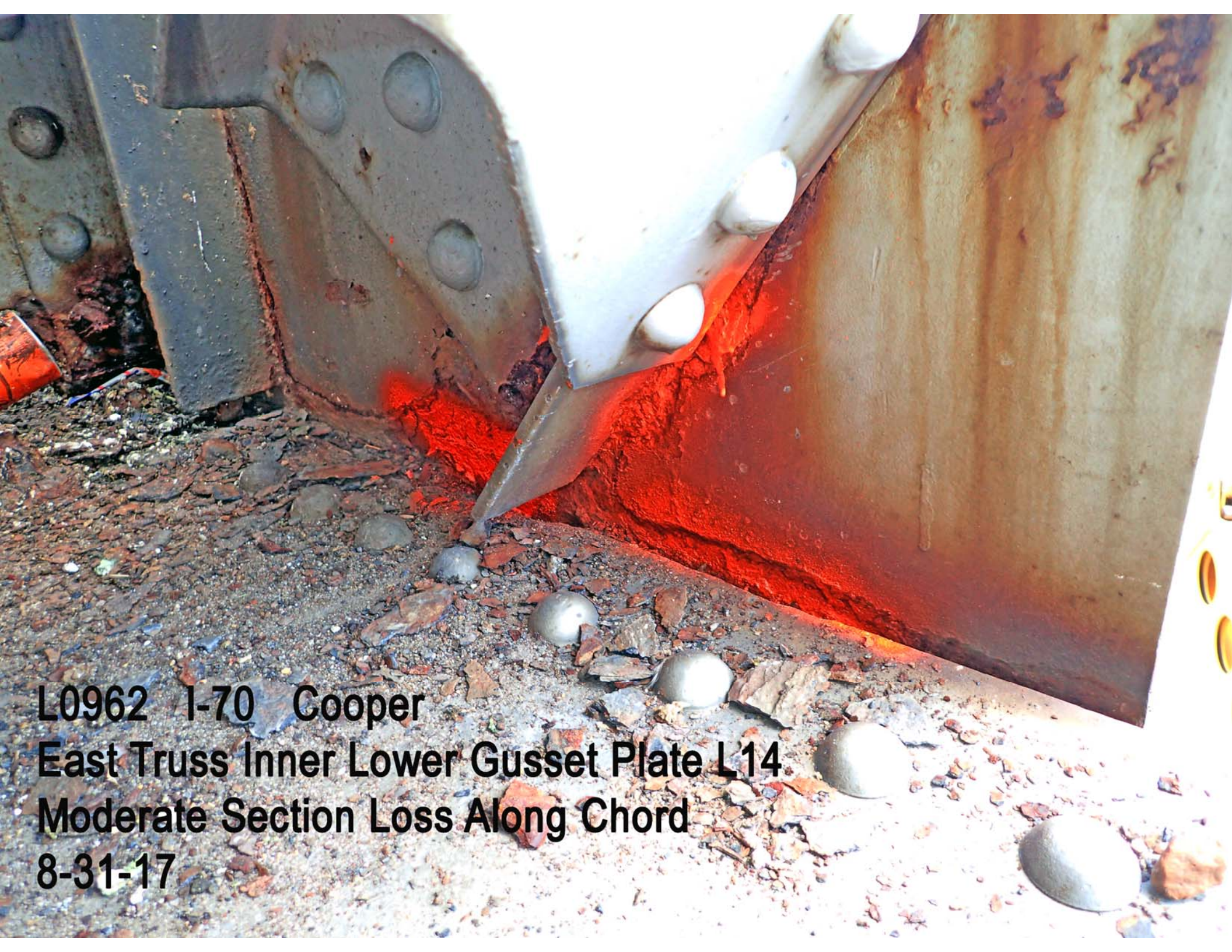
L0962 I-70 Cooper
Floorbeam L12L12 Stringer 4 at West Diaphragm
Clip Angle Top Minor Section Loss
8-31-17



**L0962 I-70 Cooper
East Truss Lower Gusset Plate L12
Moderate Section Loss Along Chord
8-31-17**



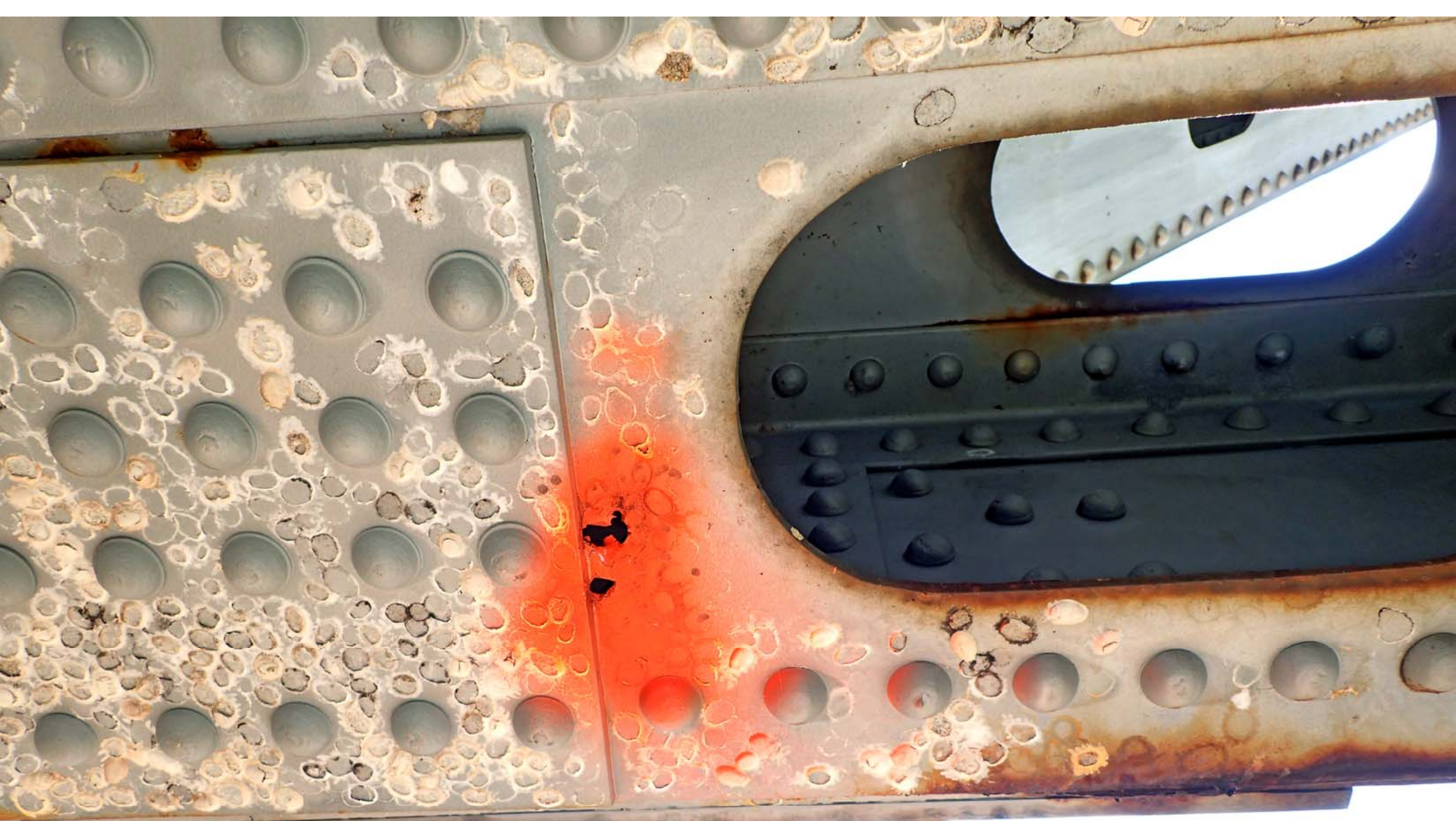
**L0962 I-70 Cooper
East Truss Lower Chord L11L12 Bottom Plate
Advanced Section Loss at L12
8-31-17**



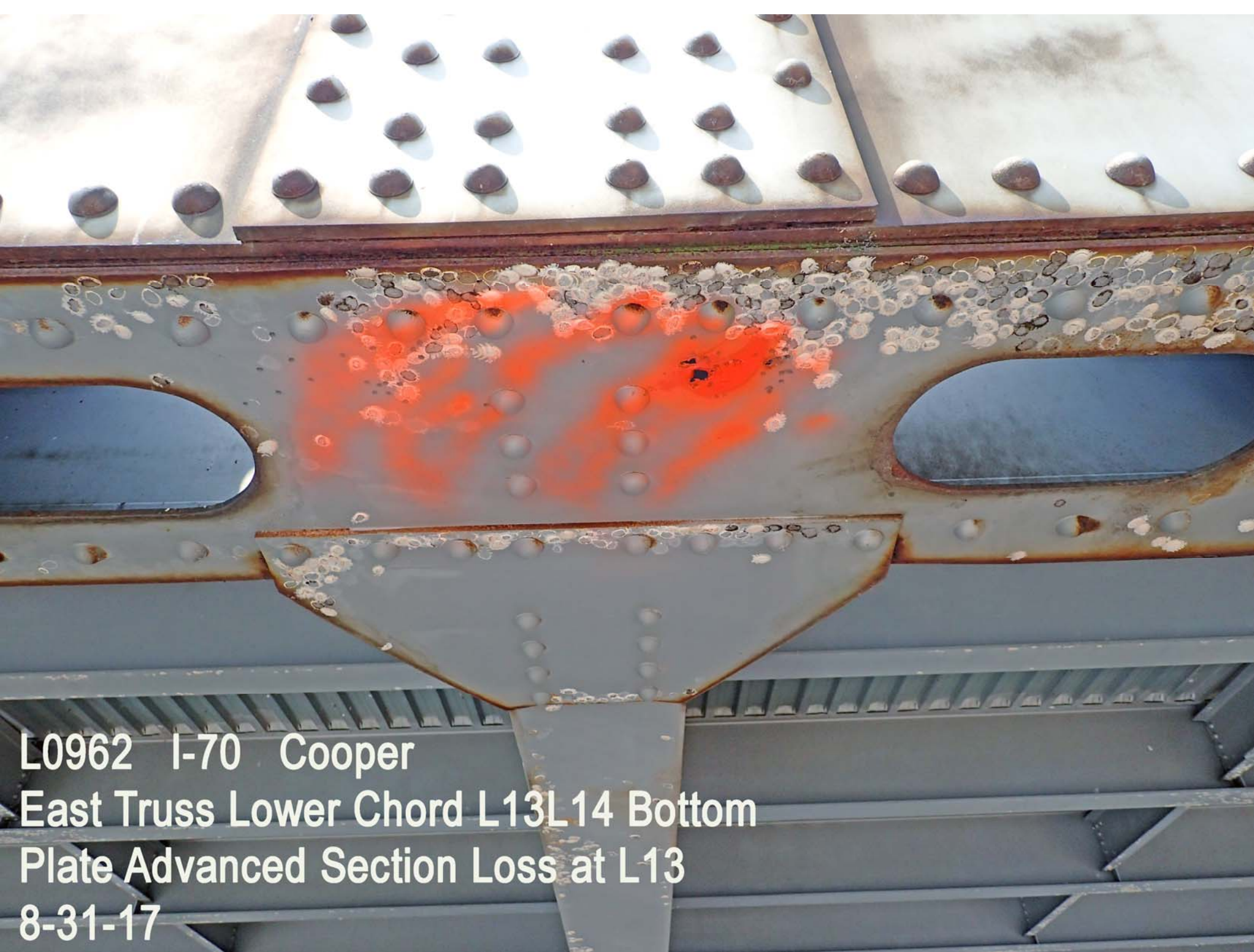
L0962 I-70 Cooper
East Truss Inner Lower Gusset Plate L14
Moderate Section Loss Along Chord
8-31-17



L0962 I-70 Cooper
East Truss Outer Lower Gusset Plate L14
Moderate Section Loss Along Chord
8-31-17

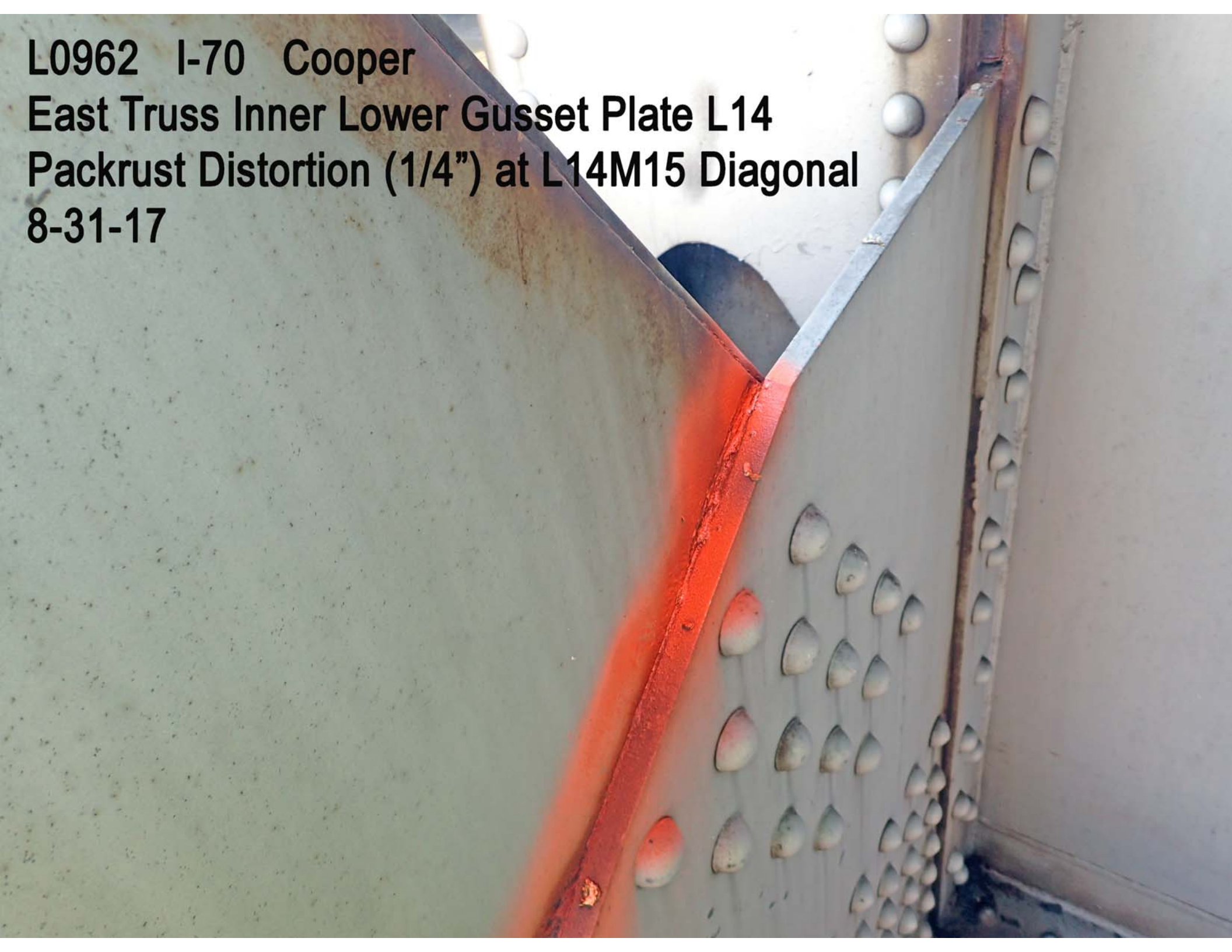


**L0962 I-70 Cooper
East Truss Lower Chord L13L14 Bottom
Plate Advanced Section Loss at L13 L14
8-31-17**

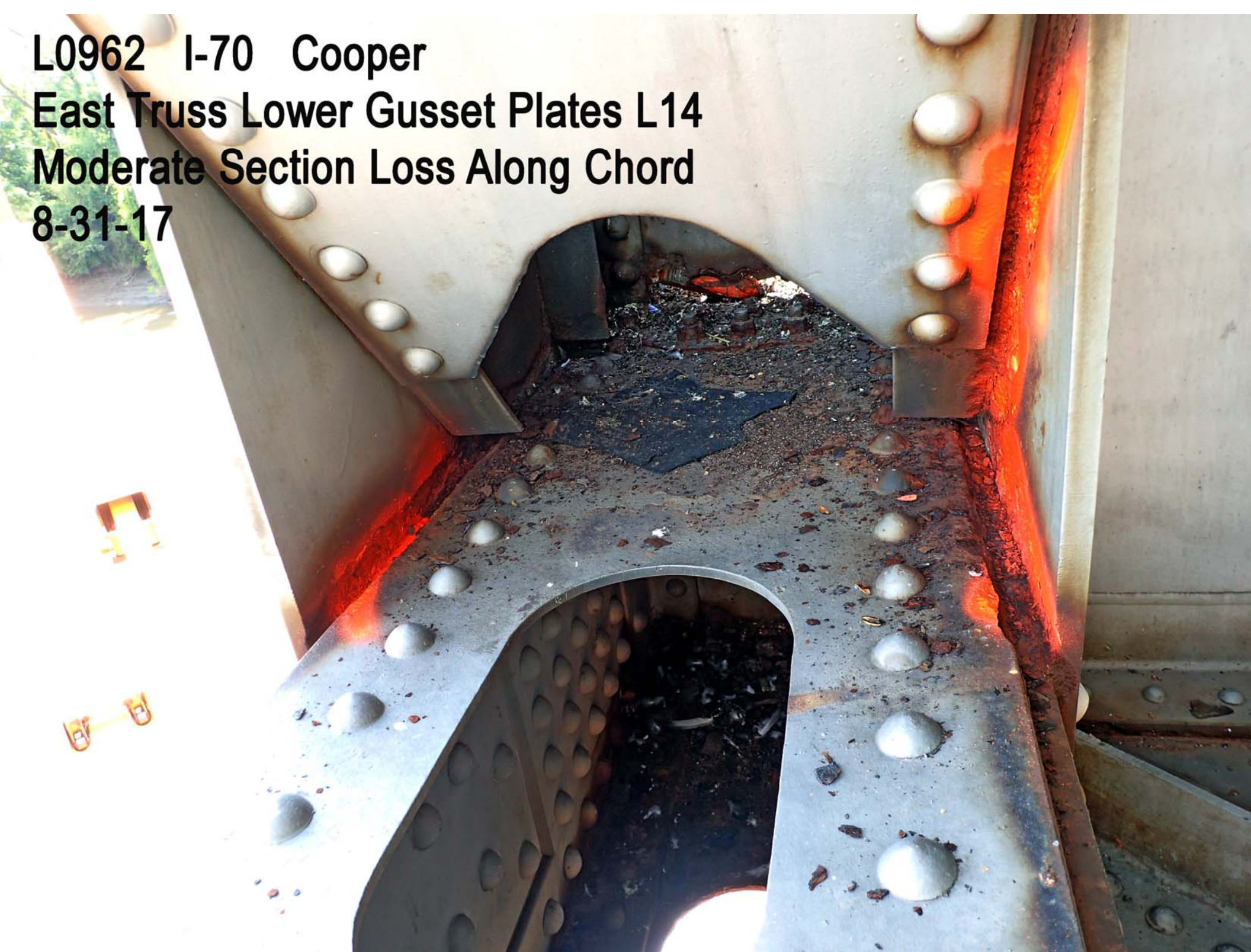


L0962 I-70 Cooper
East Truss Lower Chord L13L14 Bottom
Plate Advanced Section Loss at L13
8-31-17

**L0962 I-70 Cooper
East Truss Inner Lower Gusset Plate L14
Packrust Distortion (1/4") at L14M15 Diagonal
8-31-17**



L0962 I-70 Cooper
East Truss Lower Gusset Plates L14
Moderate Section Loss Along Chord
8-31-17





L0962 I-70 Cooper
East Truss Lower Chord L14L15 Bottom
Plate Advanced Section Loss at L15
8-31-17

L0962 I-70 Cooper
East Truss Outer Lower Gusset Plate L16
Heavy Section Loss (up to 50%) Along Chord
8-31-17

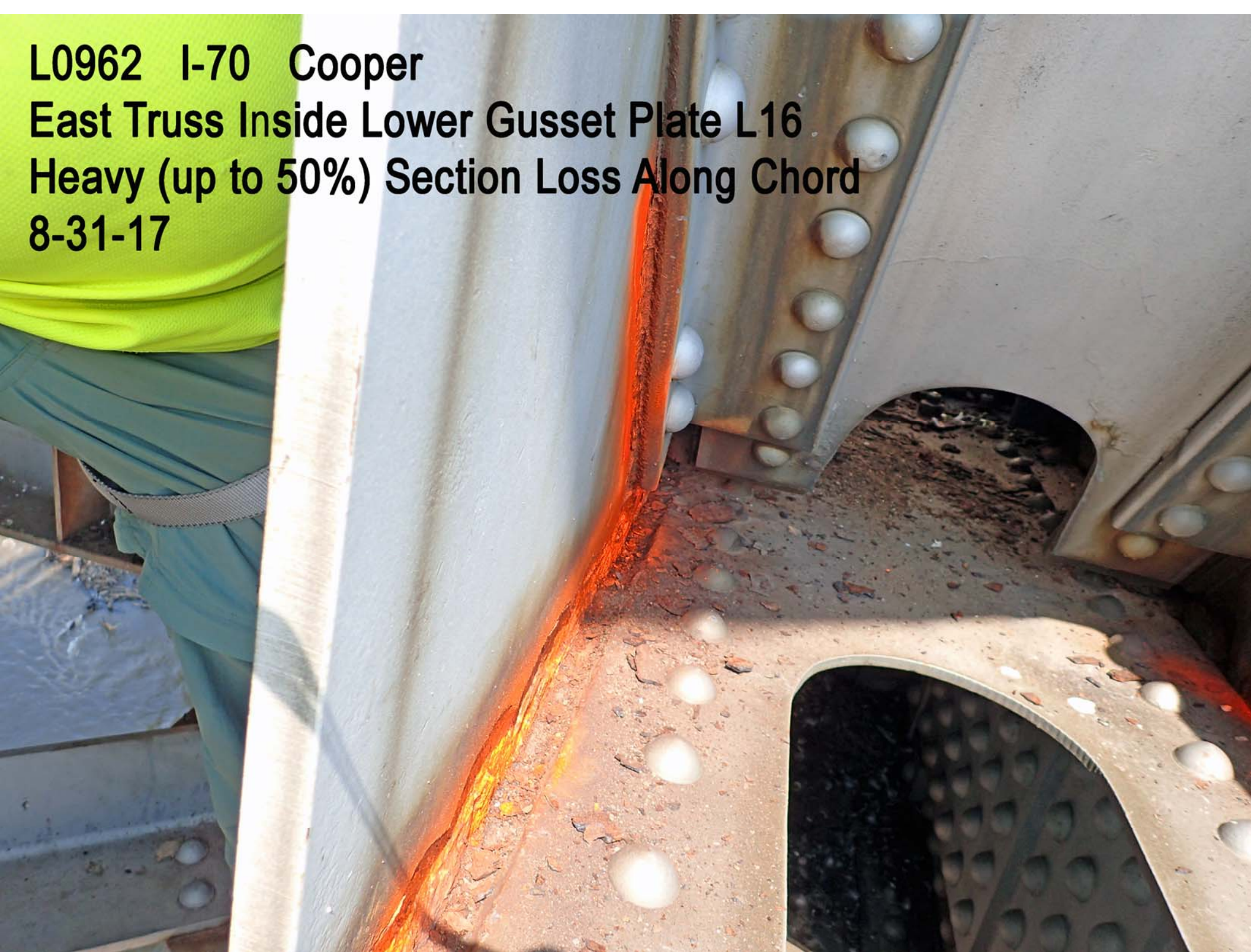


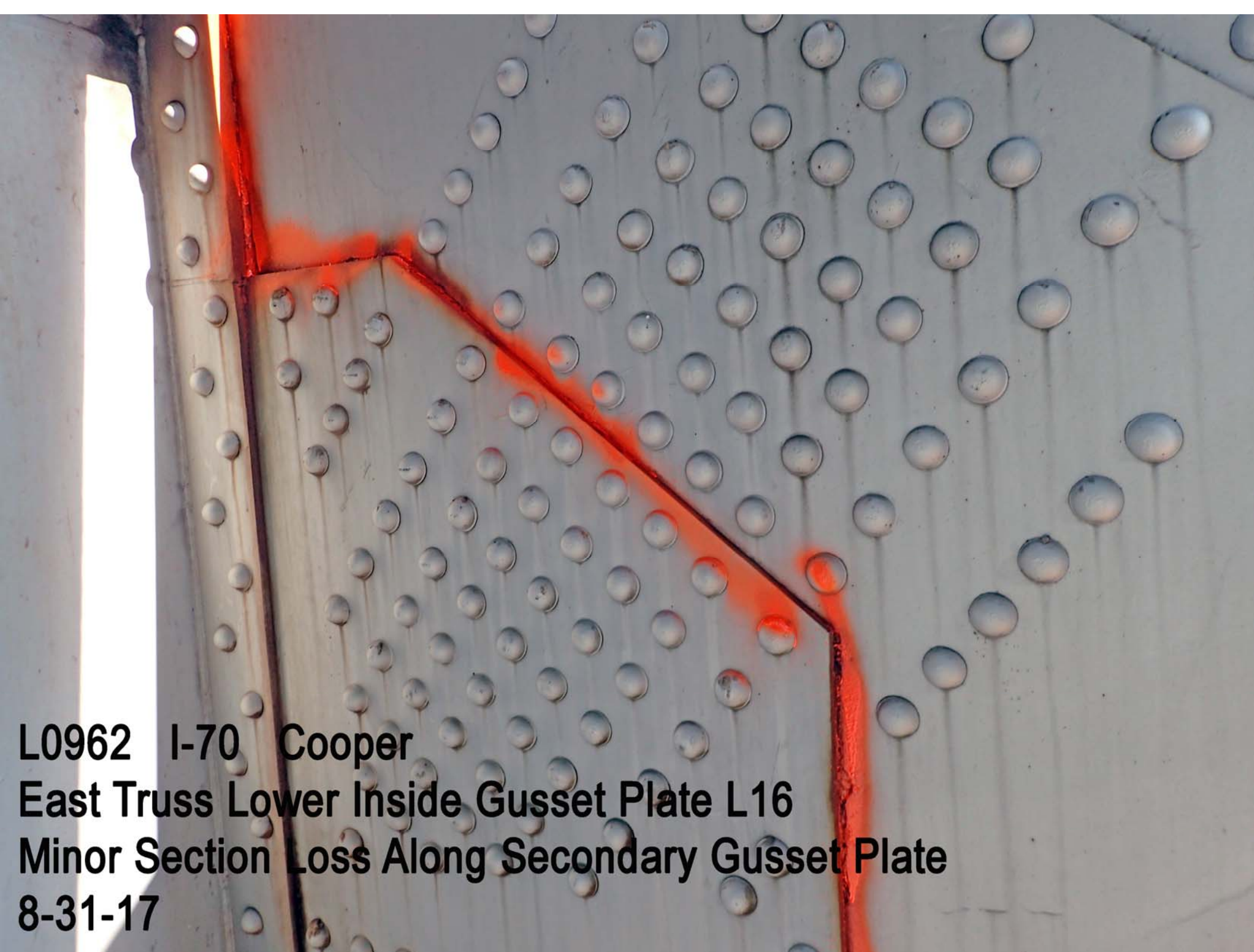
L0962 I-70 Cooper

East Truss Inside Lower Gusset Plate L16

Heavy (up to 50%) Section Loss Along Chord

8-31-17





L0962 I-70 Cooper
East Truss Lower Inside Gusset Plate L16
Minor Section Loss Along Secondary Gusset Plate
8-31-17



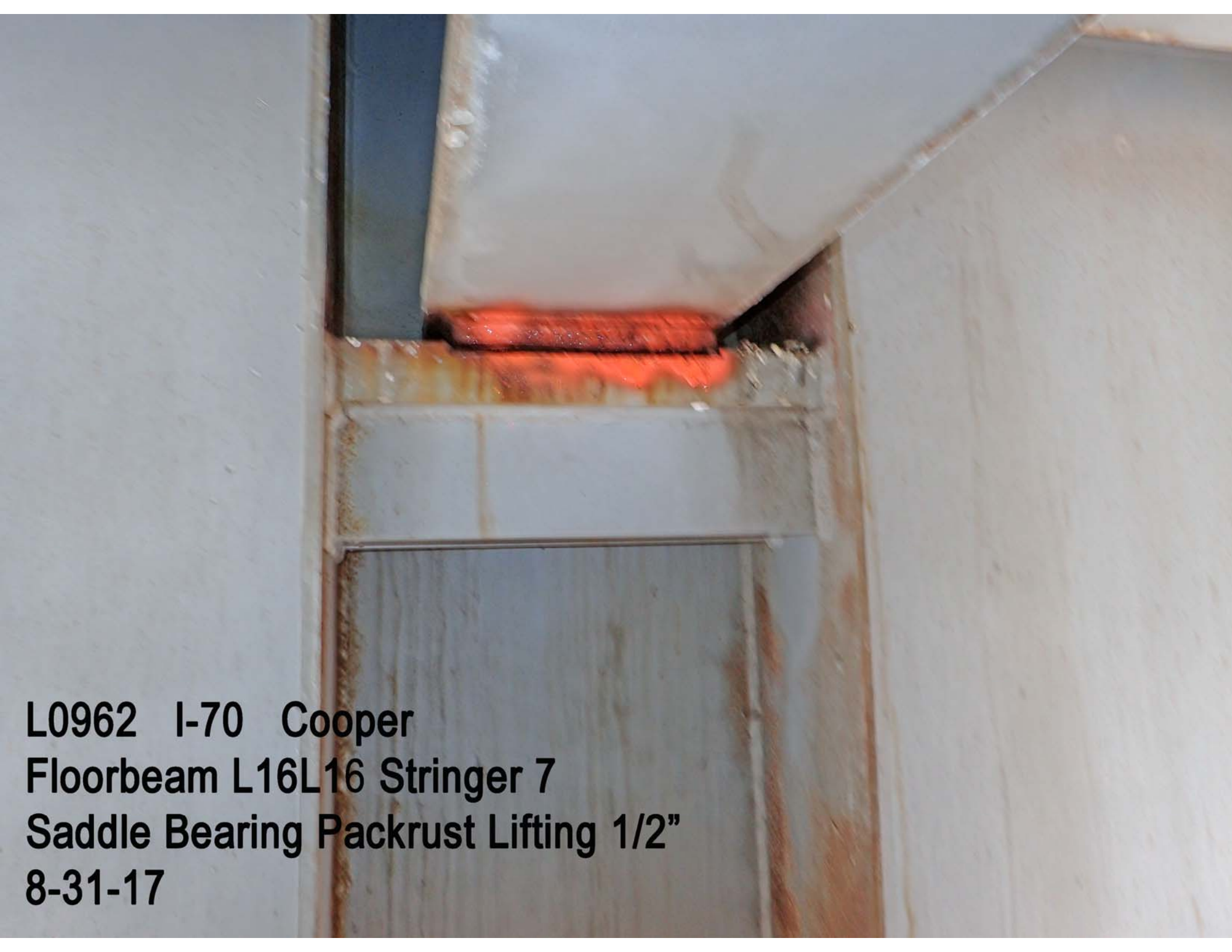
A close-up photograph of a steel beam-to-stringer connection. A horizontal steel beam is positioned below a vertical stringer. A red-painted saddle bearing packrust is visible, lifting the beam by approximately 1 1/4 inches. The surrounding steel surfaces are grey and show signs of rust and wear.

L0962 I-70 Cooper
Floorbeam L16L16 Stringer 9
Saddle Bearing Packrust Lifting 1 1/4"
8-31-17




A close-up photograph of a steel beam-to-stringer connection. The beam is a large, dark grey I-beam with the number '34 42' faintly visible on its top flange. It is connected to a horizontal stringer, which is a smaller steel beam. The connection area, particularly the saddle bearing, is heavily corroded with bright orange rust. The stringer itself shows vertical streaks of rust. The background is a light-colored, possibly concrete, surface.

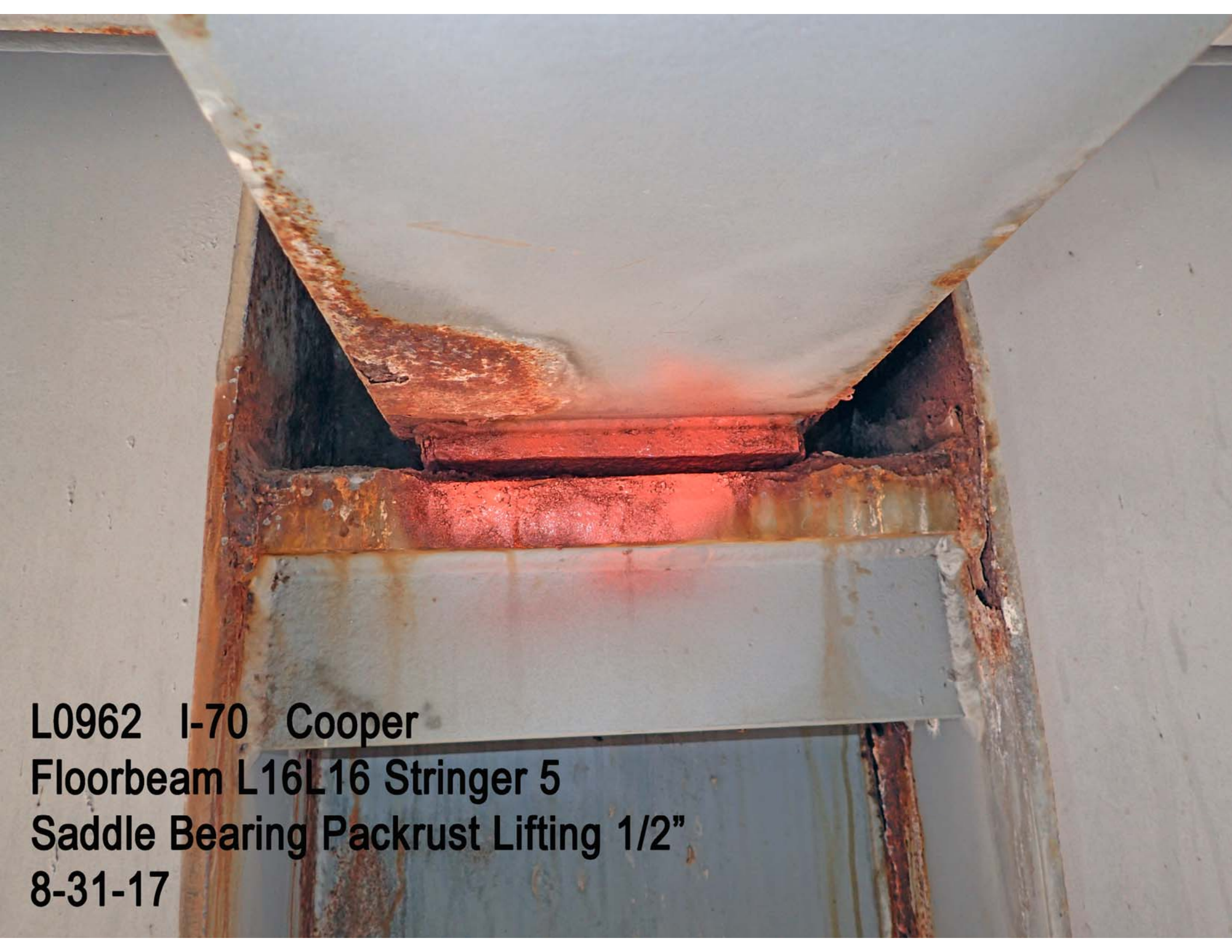
L0962 I-70 Cooper
Floorbeam L16L16 Stringer 8
Saddle Bearing Pumping Rust
8-31-17



L0962 I-70 Cooper
Floorbeam L16L16 Stringer 7
Saddle Bearing Packrust Lifting 1/2"
8-31-17

A close-up photograph of a steel beam connection. A horizontal steel beam is visible, with a section of its top surface painted orange. Below this, another horizontal steel beam is visible, also with some orange paint. The surrounding area is grey, likely the original steel or a different material. There is some rust and wear visible at the joint. The text is overlaid in the bottom left corner.

L0962 I-70 Cooper
Floorbeam L16L16 Stringer 6
Saddle Bearing Packrust Lifting 1/2"
8-31-17



L0962 I-70 Cooper
Floorbeam L16L16 Stringer 5
Saddle Bearing Packrust Lifting 1/2"
8-31-17



L0962 I-70 Cooper
Floorbeam L16L16 at Stringer 5
Bearing Area Minor Section Loss
8-31-17



**L0962 I-70 Cooper
Floorbeam L16L16 Stringer 5 East Side
Bearing Area Minor Section Loss
8-31-17**

A close-up photograph of a steel saddle bearing assembly. The assembly consists of a horizontal floorbeam (L16L16) supported by a vertical stringer (4). The saddle bearing is made of steel and is painted red. It is mounted on the floorbeam and rests on the stringer. The surrounding structure is made of light-colored steel plates. The text "L0962 I-70 Cooper Floorbeam L16L16 Stringer 4 Saddle Bearing 8-31-17" is overlaid on the bottom left of the image.

L0962 I-70 Cooper
Floorbeam L16L16 Stringer 4
Saddle Bearing
8-31-17

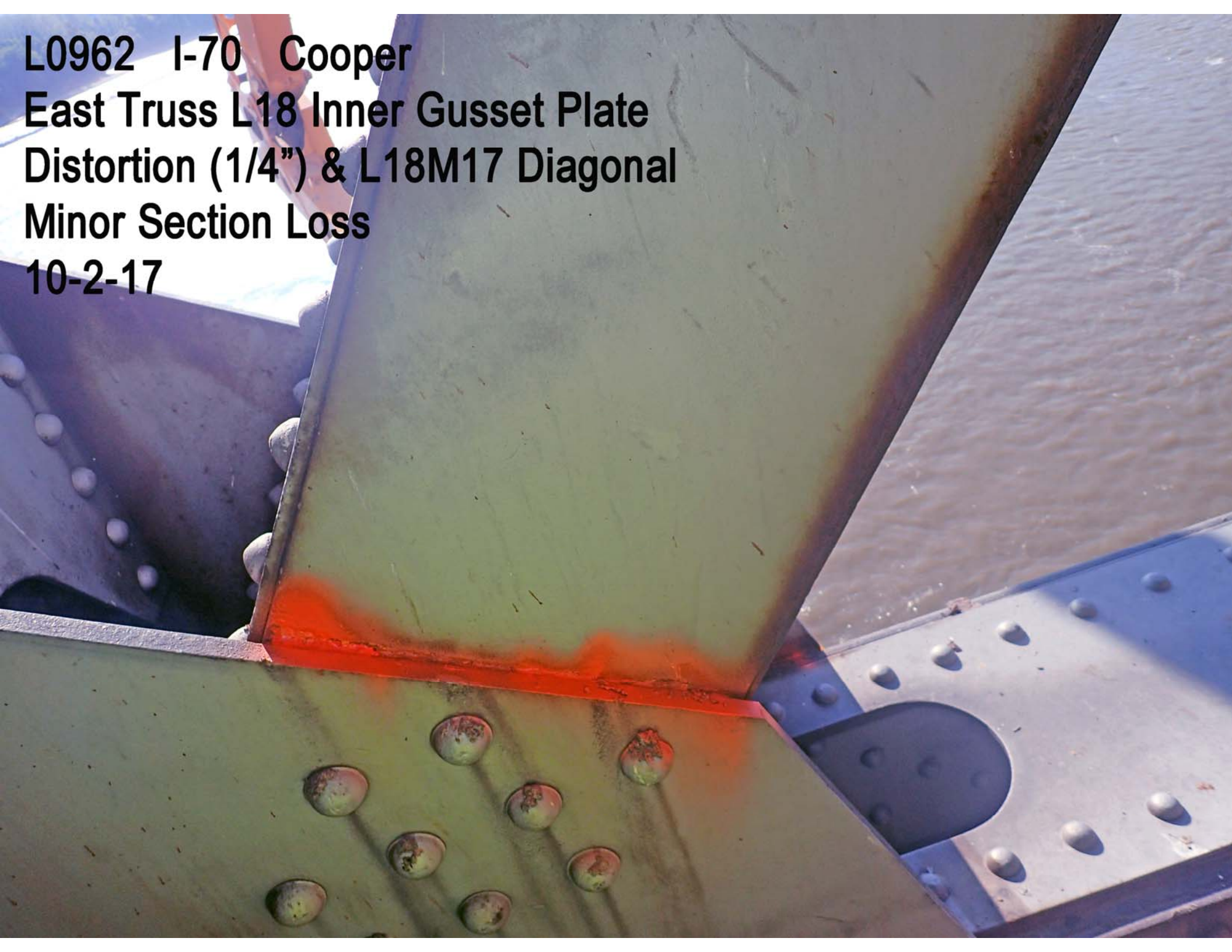
L0962 Cooper 70
9/26/17 North profile west
approach



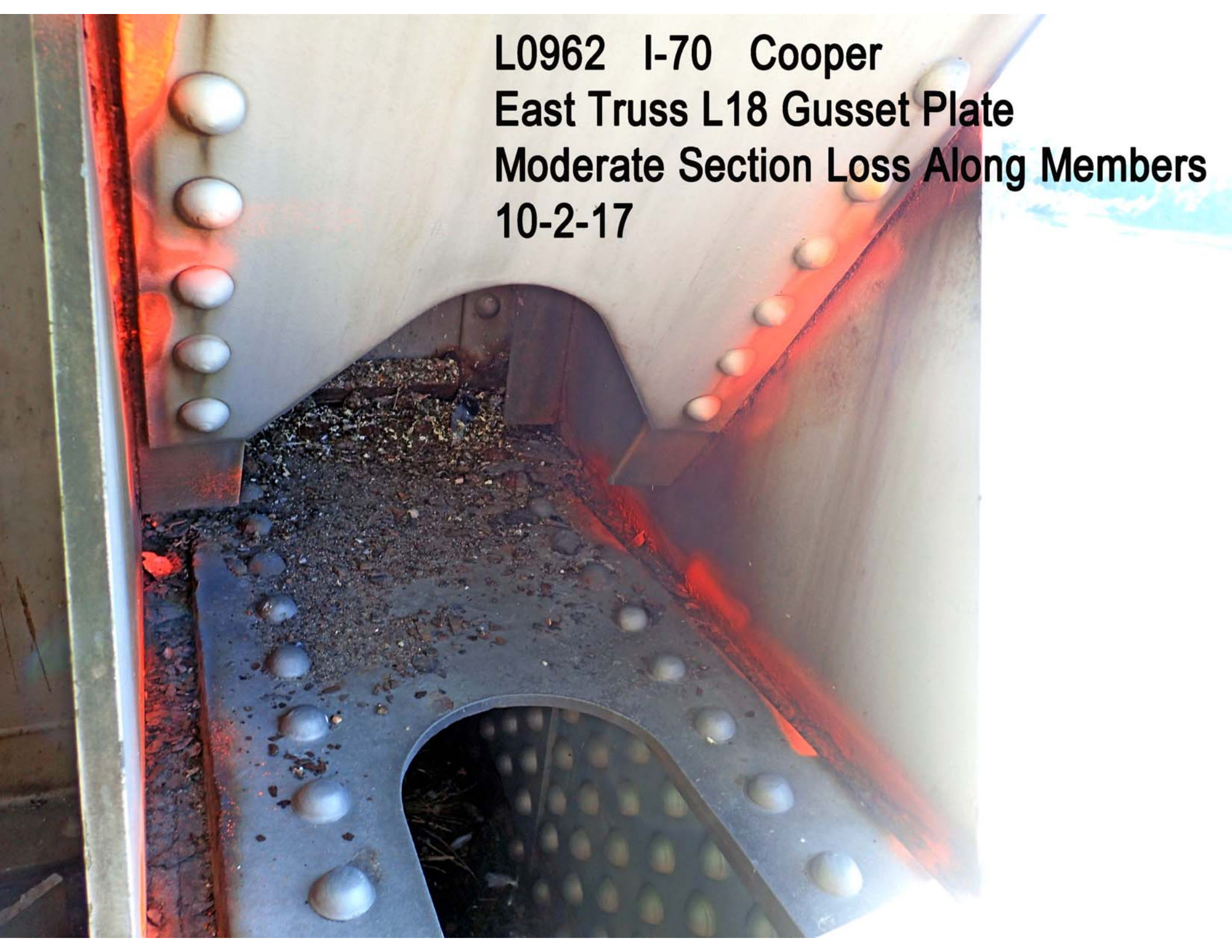
L0962 Cooper 70 9/26/17
North profile west approach



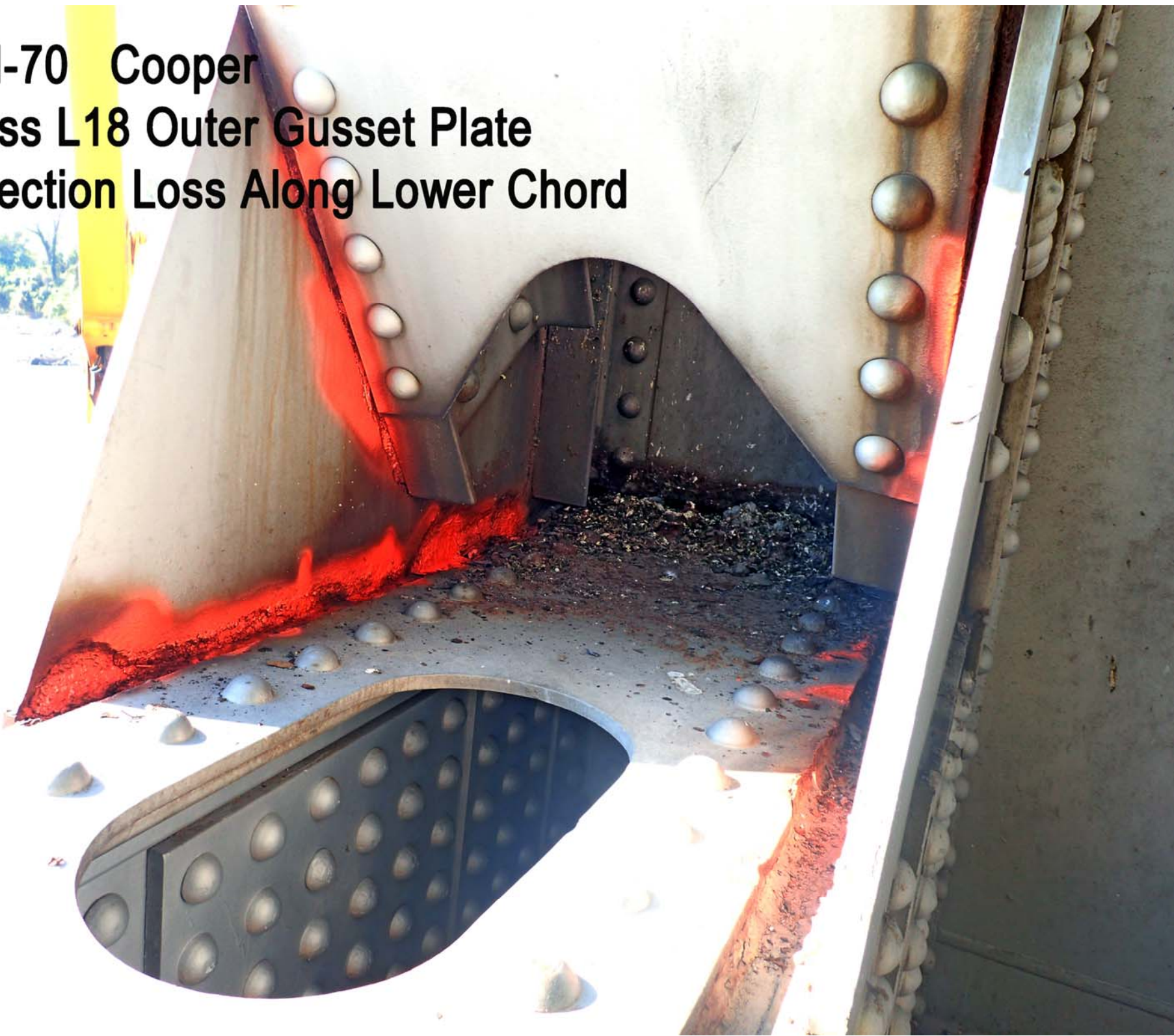
**L0962 I-70 Cooper
East Truss L18 Inner Gusset Plate
Distortion (1/4") & L18M17 Diagonal
Minor Section Loss
10-2-17**



**L0962 I-70 Cooper
East Truss L18 Gusset Plate
Moderate Section Loss Along Members
10-2-17**

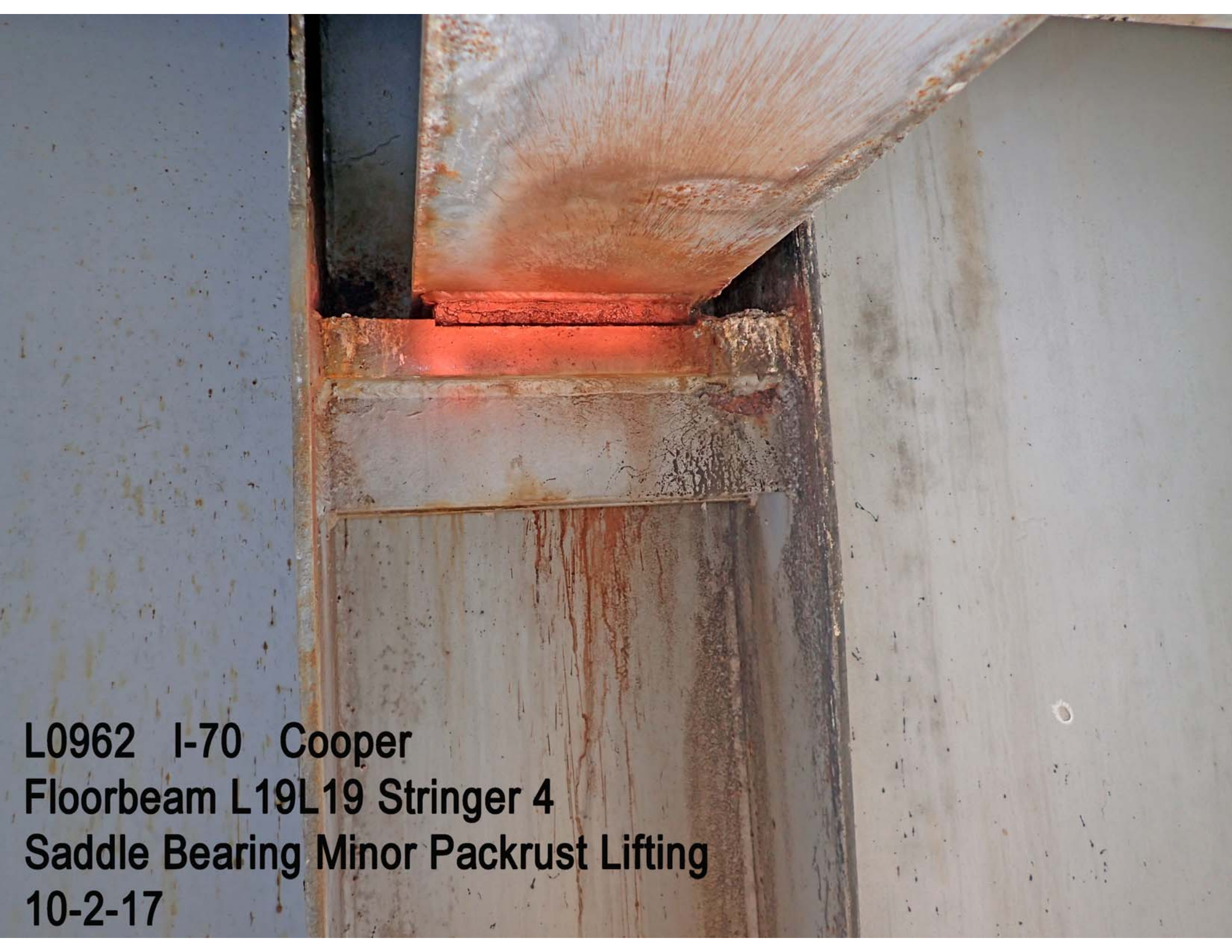


L0962 I-70 Cooper
East Truss L18 Outer Gusset Plate
Heavy Section Loss Along Lower Chord
10-2-17

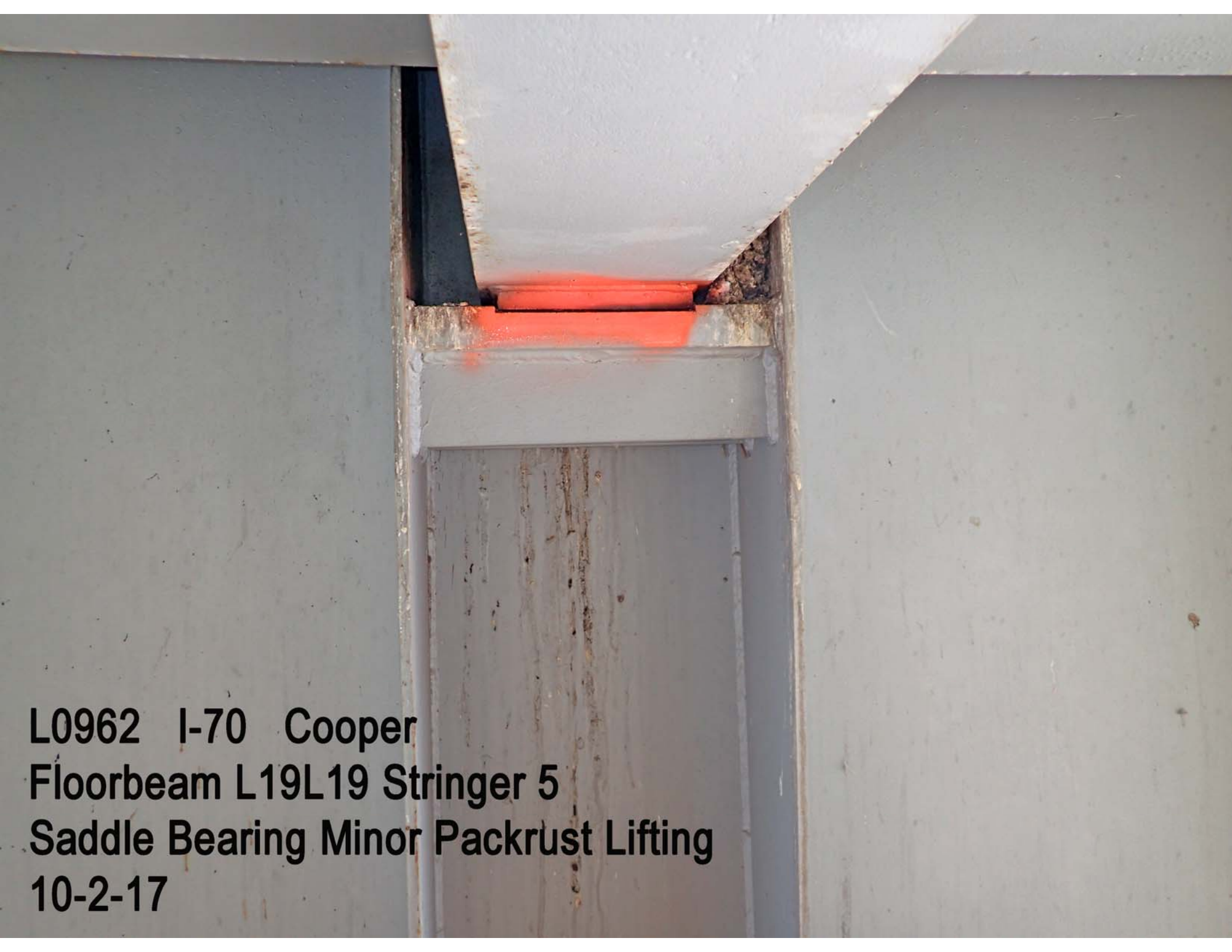


L0962 I-70 Cooper
East Truss L18 Inner Gusset Plate
Heavy Section Loss Along Lower Chord.
10-2-17





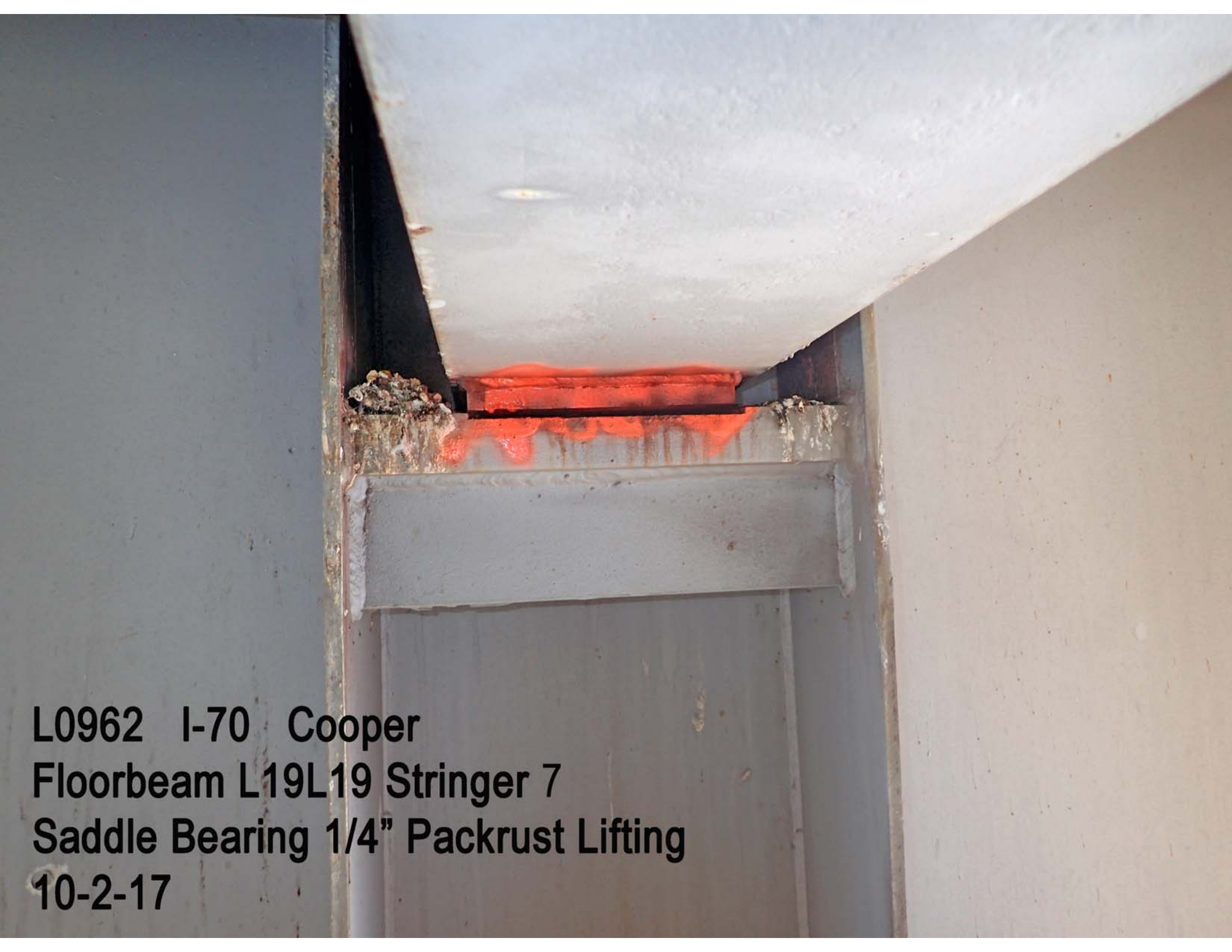
L0962 I-70 Cooper
Floorbeam L19L19 Stringer 4
Saddle Bearing Minor Packrust Lifting
10-2-17



**L0962 I-70 Cooper
Floorbeam L19L19 Stringer 5
Saddle Bearing Minor Packrust Lifting
10-2-17**



**L0962 I-70 Cooper
Floorbeam L19L19 Stringer 6
Saddle Bearing Minor Packrust Lifting
10-2-17**



L0962 I-70 Cooper
Floorbeam L19L19 Stringer 7
Saddle Bearing 1/4" Packrust Lifting
10-2-17

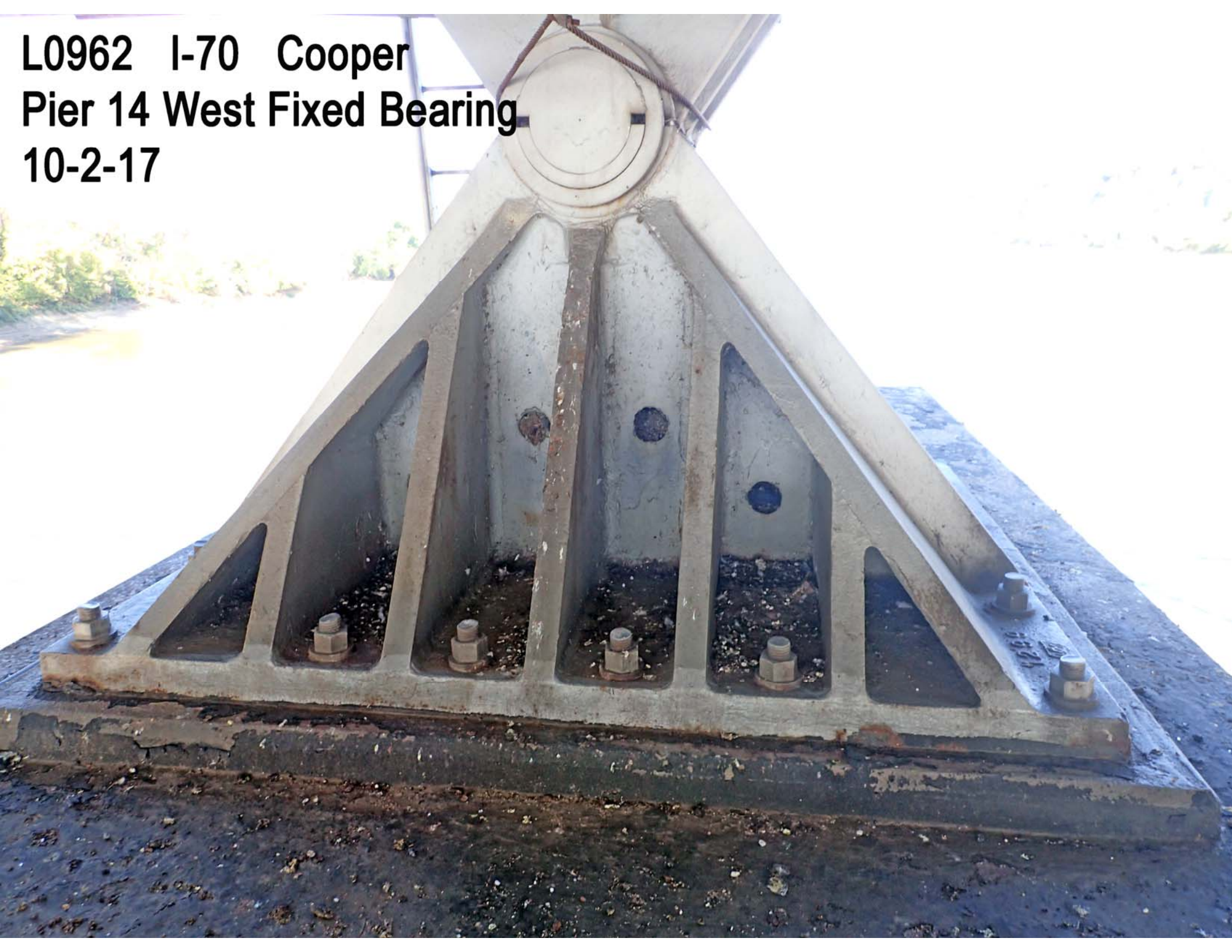


**L0962 I-70 Cooper
Floorbeam L19L19 Stringer 8
Saddle Bearing 1/4" Packrust Lifting
10-2-17**



L0962 I-70 Cooper
Floorbeam L19L19 Stringer 9
Saddle Bearing 1/2" Packrust Lifting
10-2-17

**L0962 I-70 Cooper
Pier 14 West Fixed Bearing
10-2-17**



L0962 I-70 Cooper
Pier 14 East Fixed Bearing
10-2-17



L0962 I-70 Cooper
L20L19' Stringer 9 Minor
Section Loss at L19'L19' Floorbeam
10-2-17





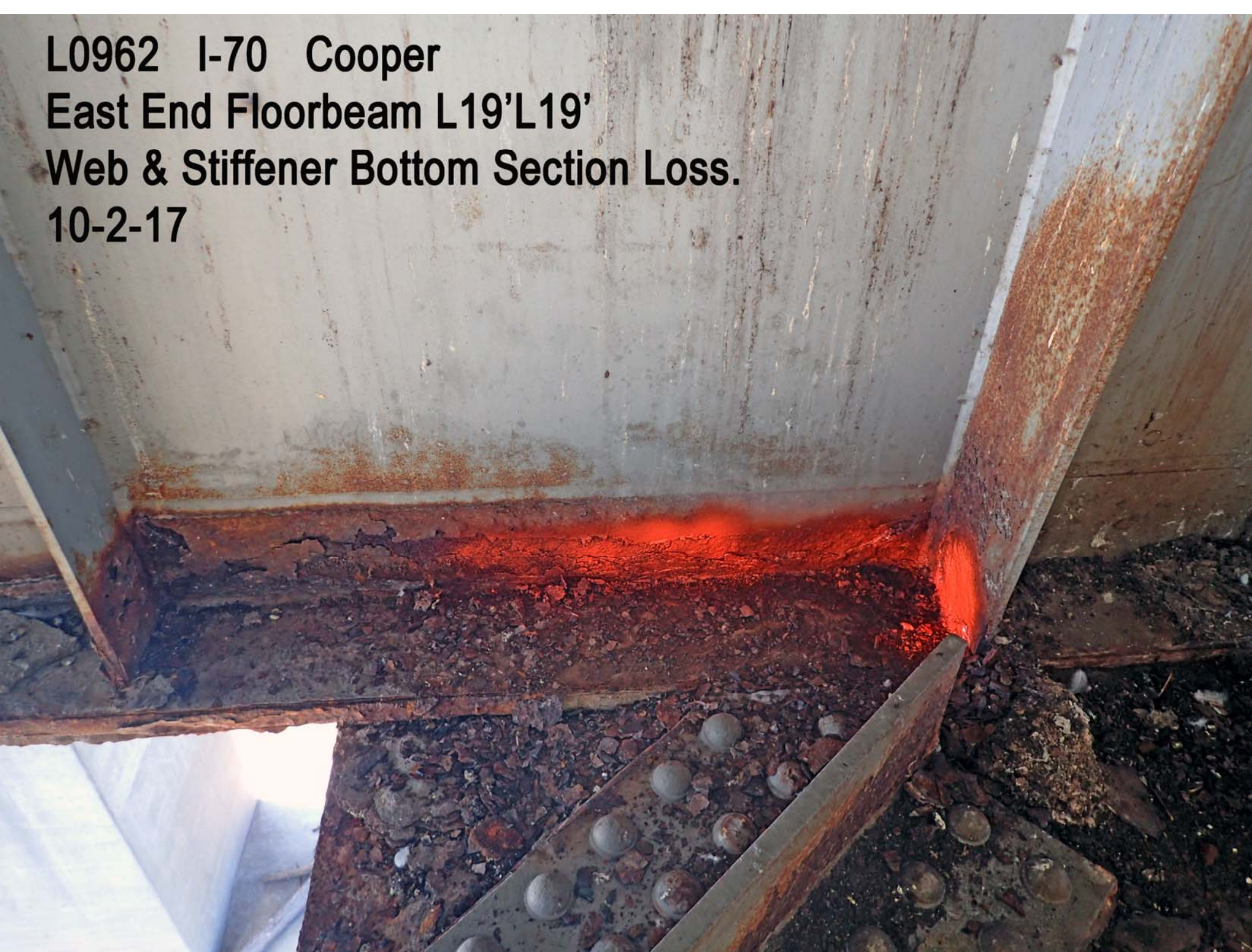
**L0962 I-70 Cooper
East Truss L19'M19' Vertical Inner
Flange Distortion at L19' Gusset Plate (typ)
10-2-17**

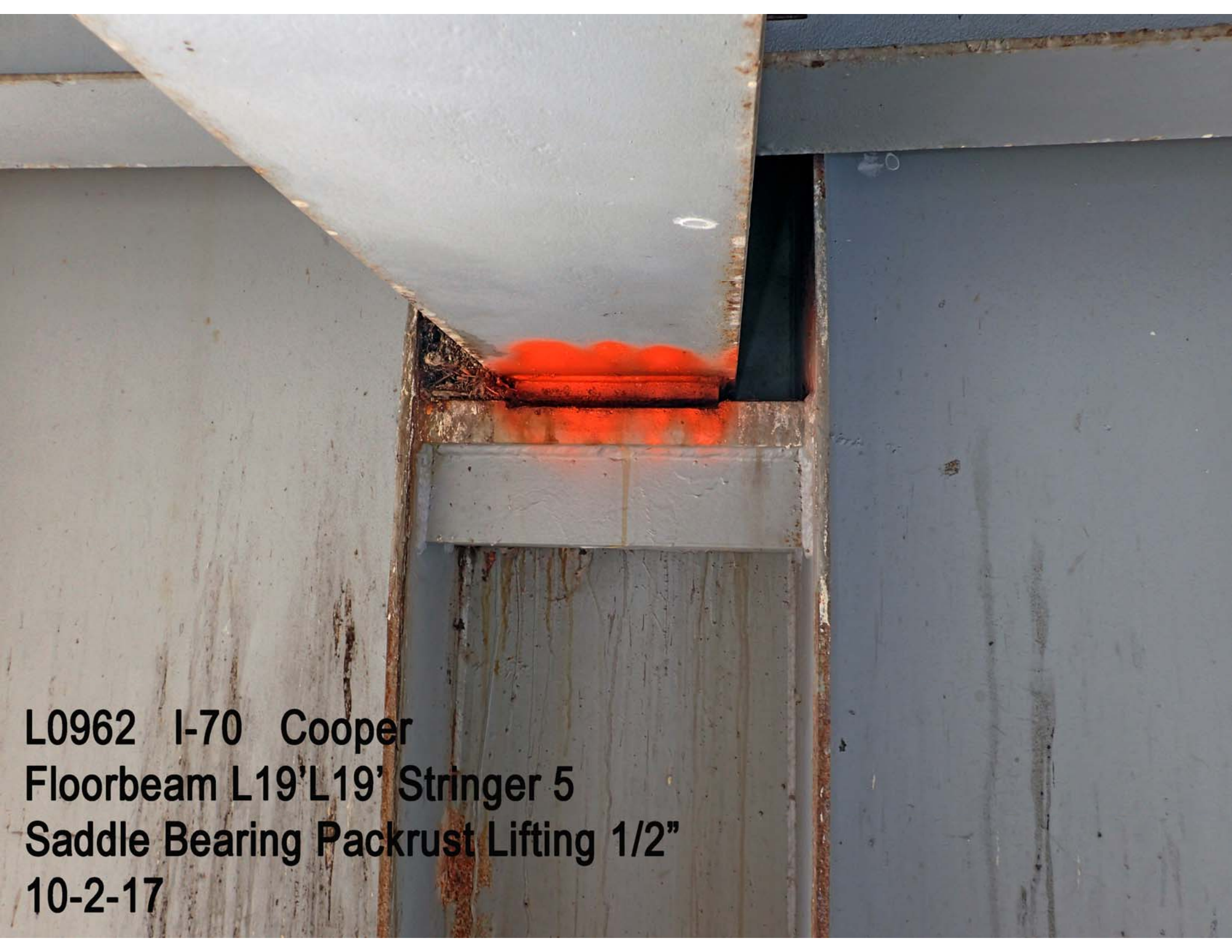
L0962 I-70 Cooper

East End Floorbeam L19'L19'

Web & Stiffener Bottom Section Loss.

10-2-17





**L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 5
Saddle Bearing Packrust Lifting 1/2"
10-2-17**



A close-up photograph of a steel beam connection. A large, light-colored steel beam is positioned diagonally across the frame. Below it, a horizontal steel beam is visible. A red, cylindrical saddle bearing is placed between the two beams. The surrounding steel surfaces show signs of wear, including scratches and rust. The background is a grey, textured surface, possibly a wall or another part of the structure.

L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 6
Saddle Bearing Minor Packrust Lifting
10-2-17

A close-up photograph of a steel beam connection. A horizontal steel beam is shown, with a vertical steel beam intersecting it. The connection area is highlighted with a bright red heat-treated surface, likely from a torch or welding process. The surrounding steel is dark and shows signs of rust and wear. The background is a light-colored, textured surface, possibly a wall or floor.

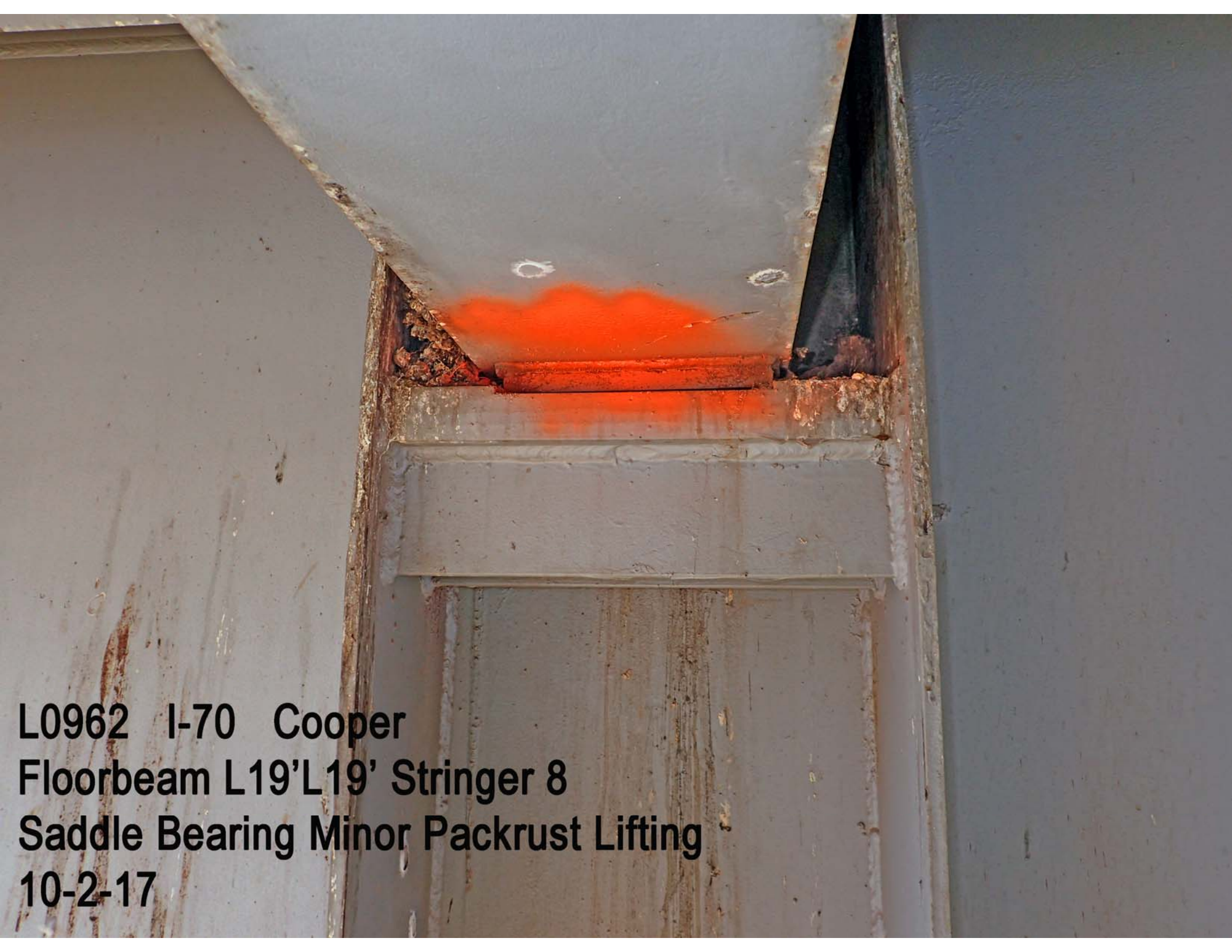
**L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 7
Saddle Bearing Minor Packrust Lifting
10-2-17**



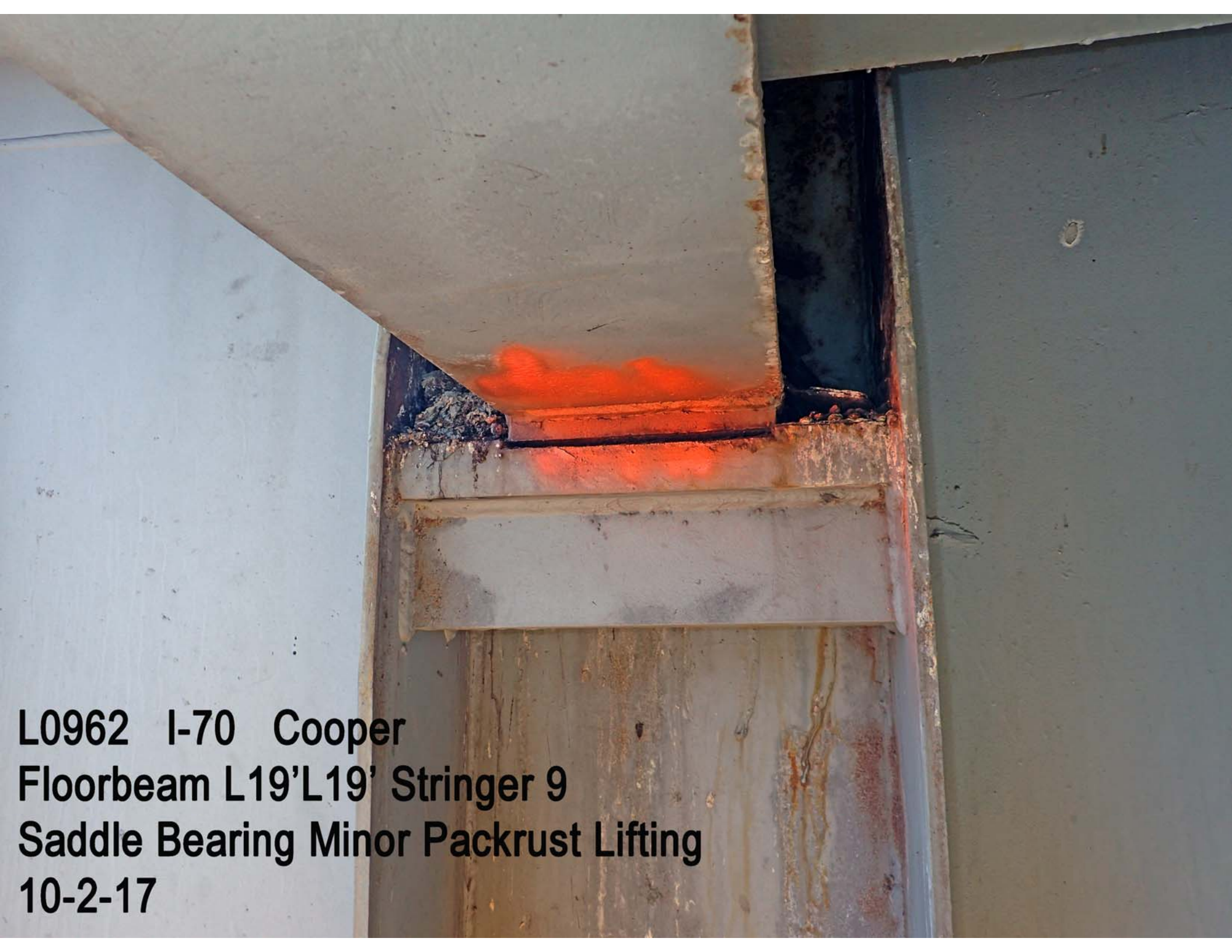
**L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 7
Web & Bearing Stiffener Minor Section Loss
10-2-17**



**L0962 I-70 Cooper
Floorbeam L19'L19' at Stringer 7 Saddle Bearing
East Support Minor Section Loss
10-2-17**



L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 8
Saddle Bearing Minor Packrust Lifting
10-2-17




**L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 9
Saddle Bearing Minor Packrust Lifting
10-2-17**



L0962 I-70 Cooper
Floorbeam L16L16
EBL Expansion Joint
10-2-17



L0962 I-70 Cooper
Floorbeam L19L19
EBL Expansion Joint
10-2-17



**L0962 I-70 Cooper
Floorbeam L19'L19'
EBL Expansion Joint
10-2-17**



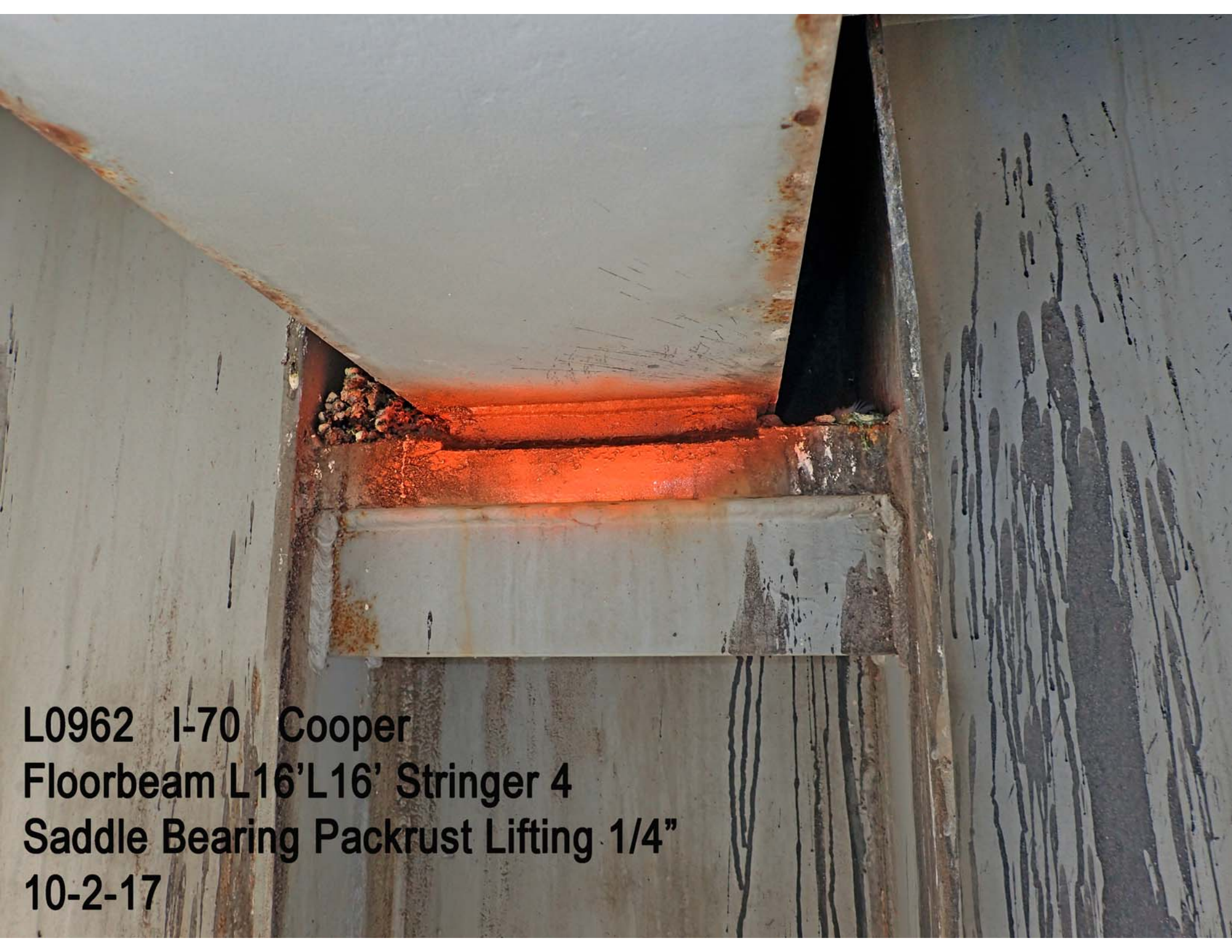
L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 9
Heavy Section Loss at Floorbeam
10-2-17



L0962 I-70 Cooper
Floorbeam L16'L16' East End
Bottom Flange Heavy Section Loss
10-2-17



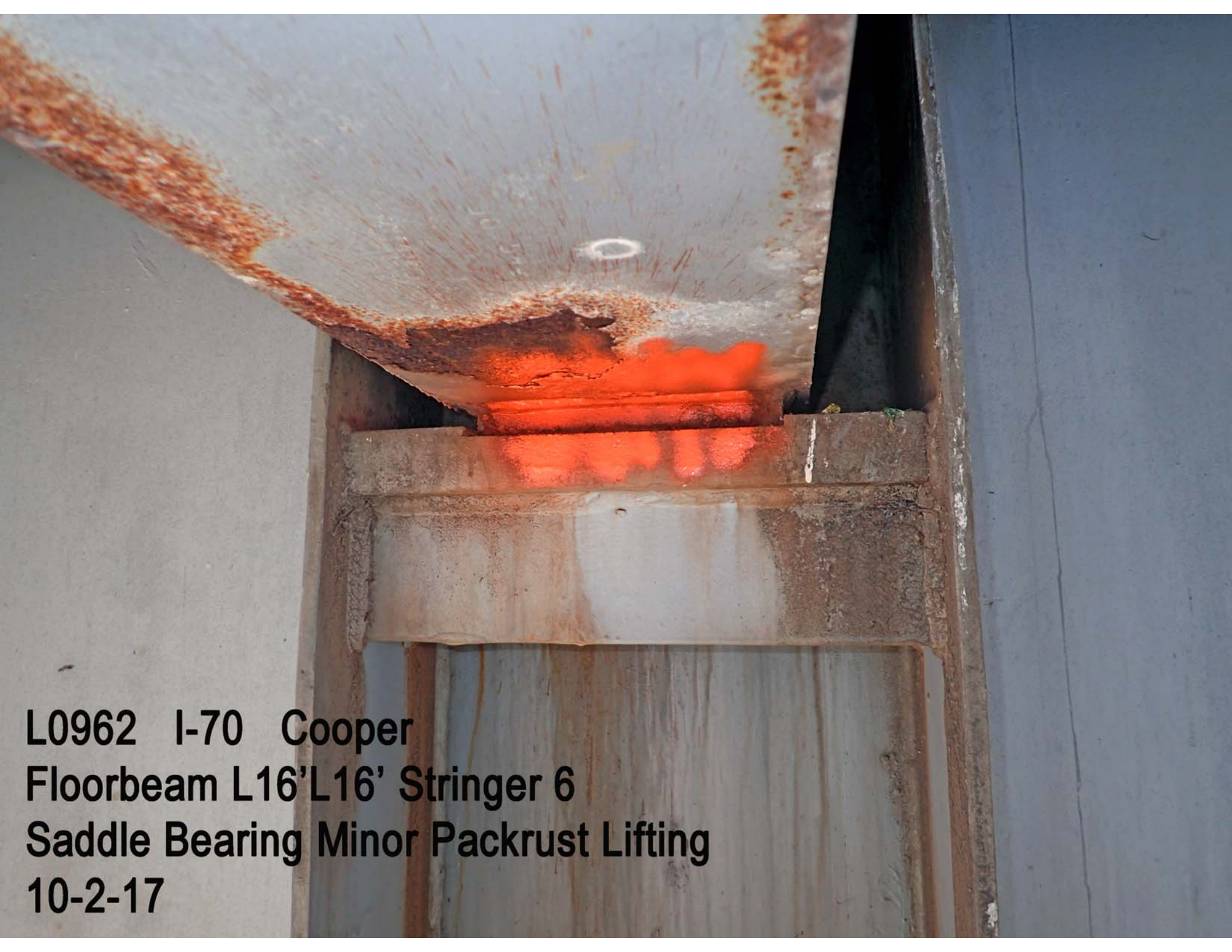
L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 3
Saddle Bearing
10-2-17



L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 4
Saddle Bearing Packrust Lifting 1/4"
10-2-17



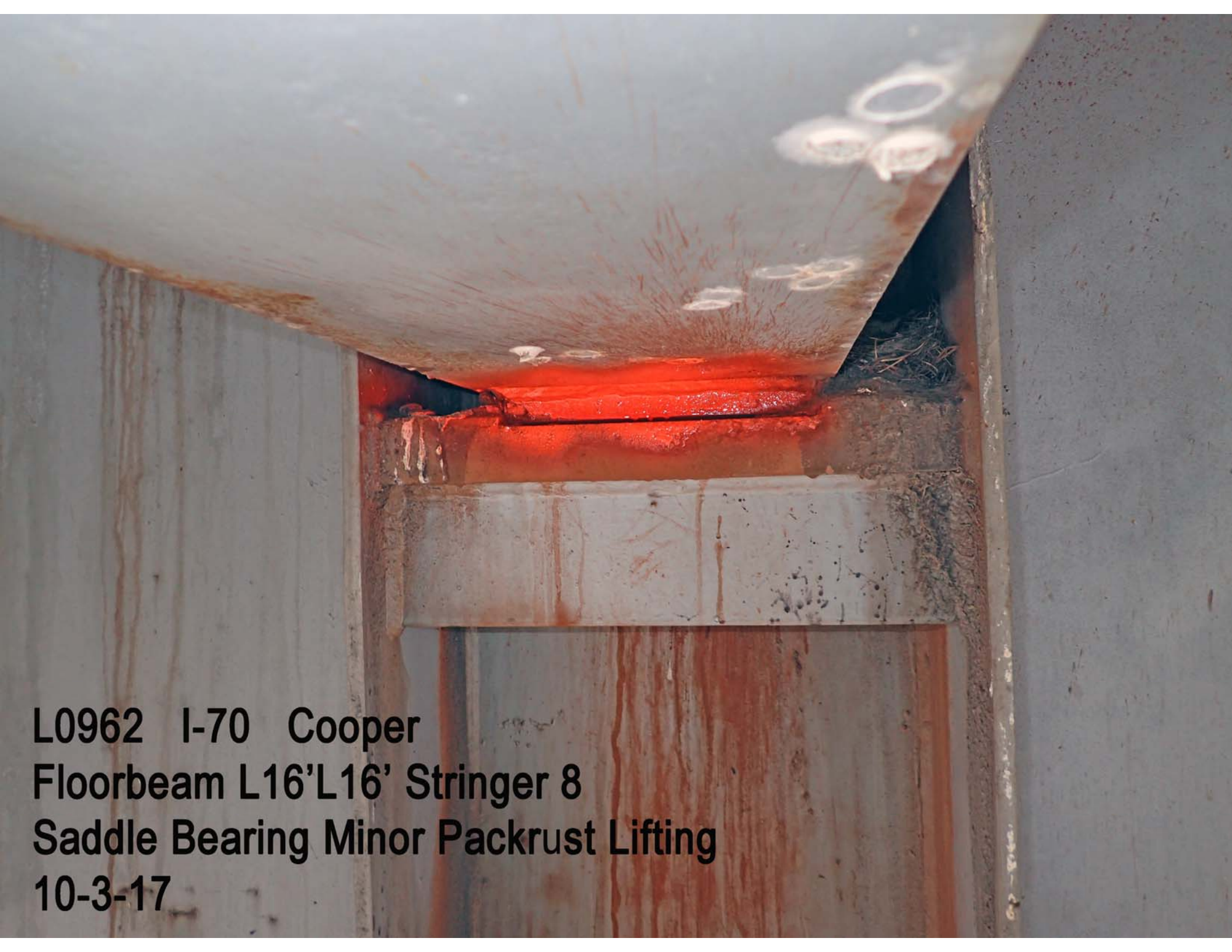
**L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 5
Saddle Bearing Minor Packrust Lifting
10-2-17**



**L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 6
Saddle Bearing Minor Packrust Lifting
10-2-17**

A close-up photograph of a steel beam connection. A horizontal steel beam is positioned below a vertical steel beam. The contact surface between them is painted bright orange. To the right of this joint, there is a pile of dark, crumbly material, likely rust or debris. The background shows more of the steel structure and some vertical staining on a lower beam.

**L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 7
Saddle Bearing Minor Packrust Lifting
10-2-17**



**L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 8
Saddle Bearing Minor Packrust Lifting
10-3-17**

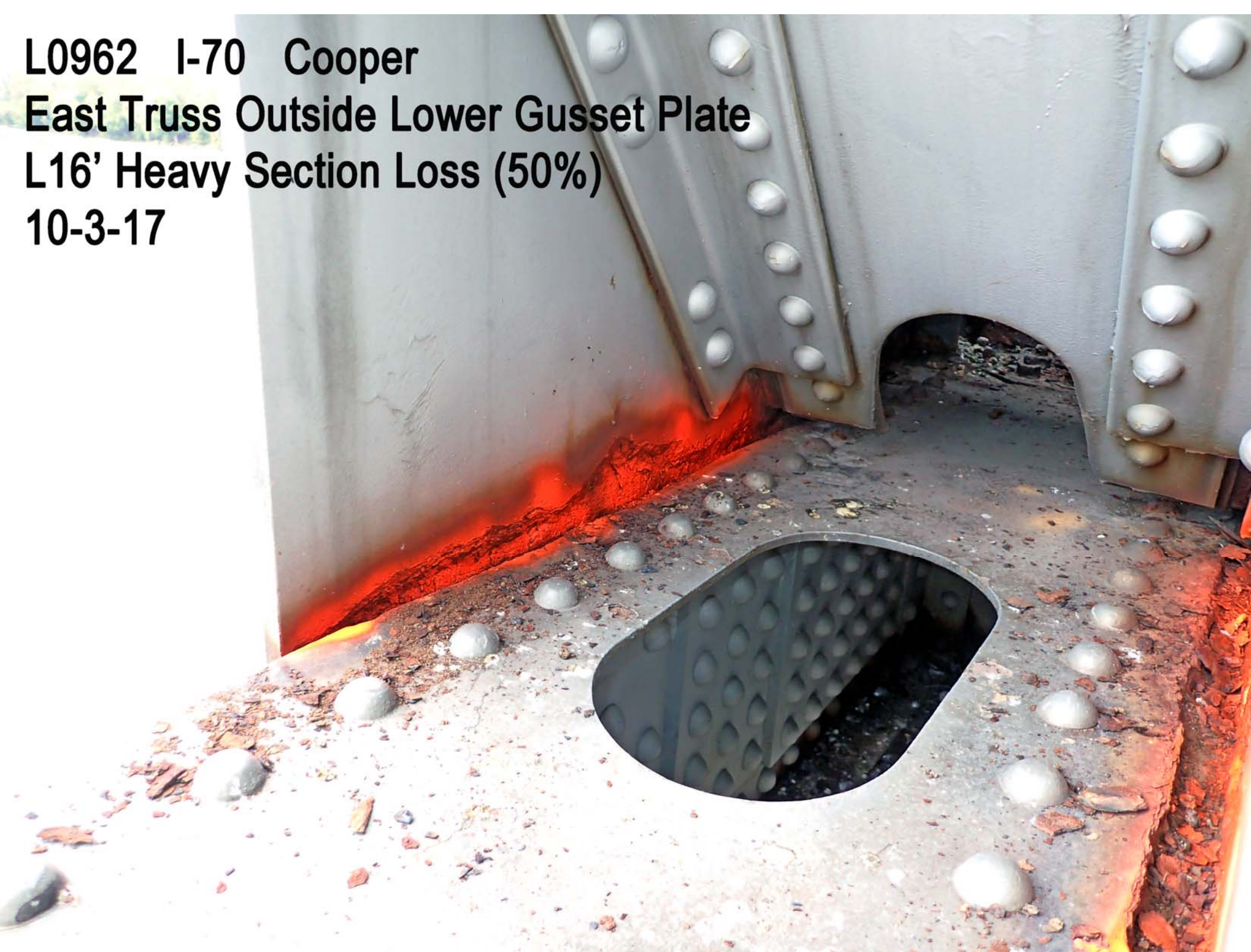


**L0962 I-70 Cooper
North Side Floorbeam L16'L16' Web Stiffener
Between Stringers 8 & 9 Section Loss
10-3-17**

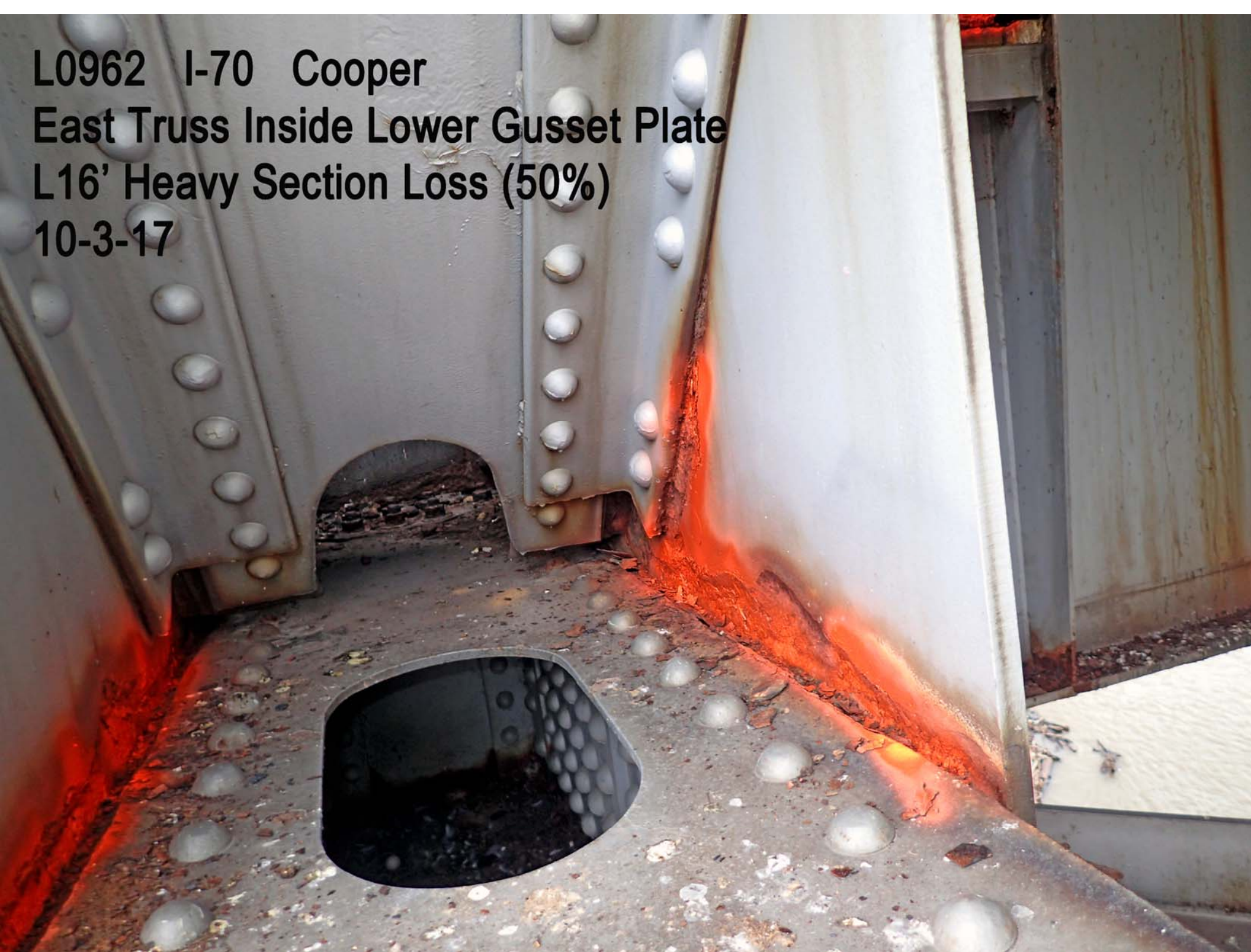
L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 9
Saddle Bearing Packrust Lifting 1 1/4"
10-3-17



L0962 I-70 Cooper
East Truss Outside Lower Gusset Plate
L16' Heavy Section Loss (50%)
10-3-17



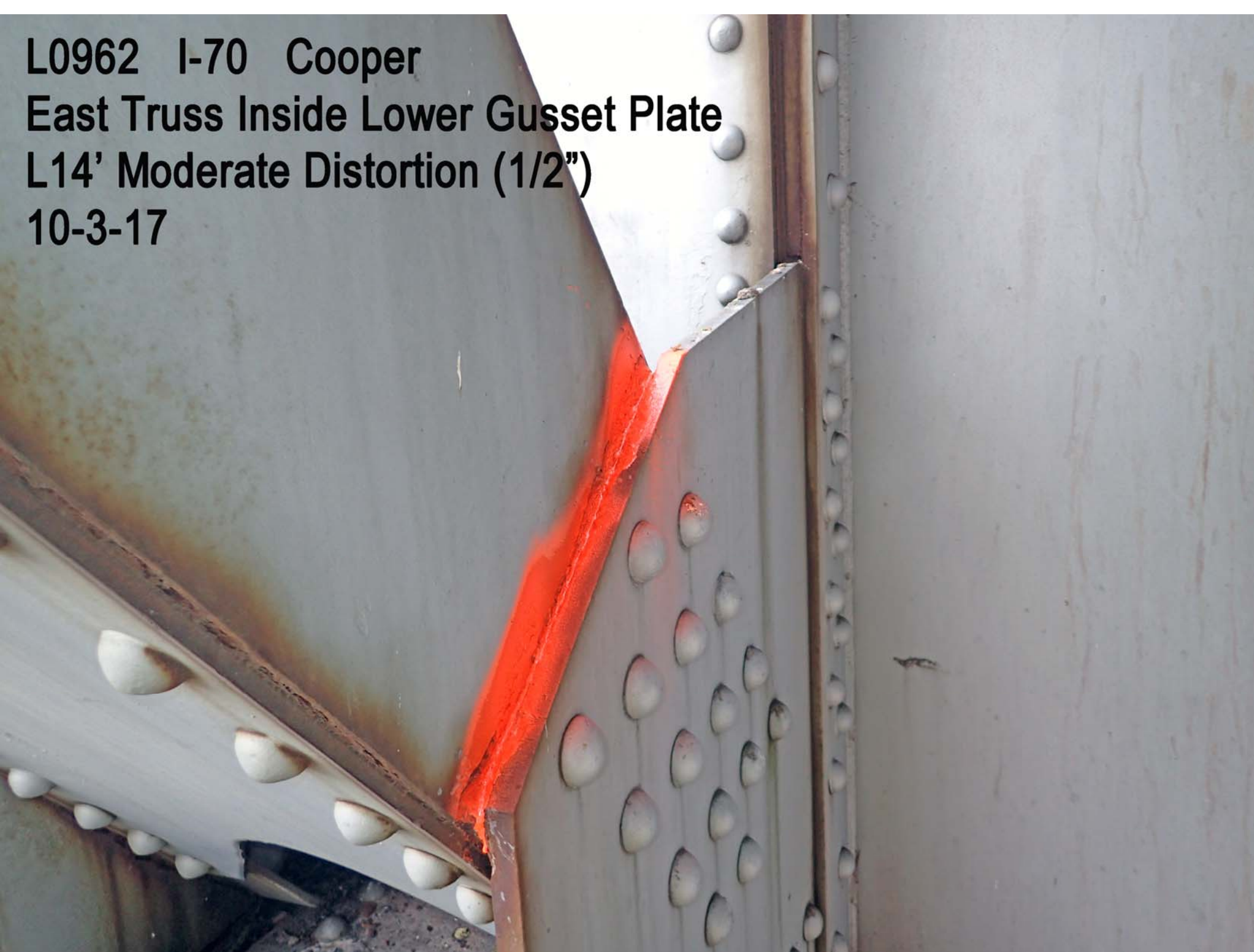
L0962 I-70 Cooper
East Truss Inside Lower Gusset Plate
L16' Heavy Section Loss (50%)
10-3-17



L0962 I-70 Cooper
L15'L14' Stringer 9 at Floorbeam
L14'L14' Heavy Section Loss (50%)
10-3-17



L0962 I-70 Cooper
East Truss Inside Lower Gusset Plate
L14' Moderate Distortion (1/2")
10-3-17



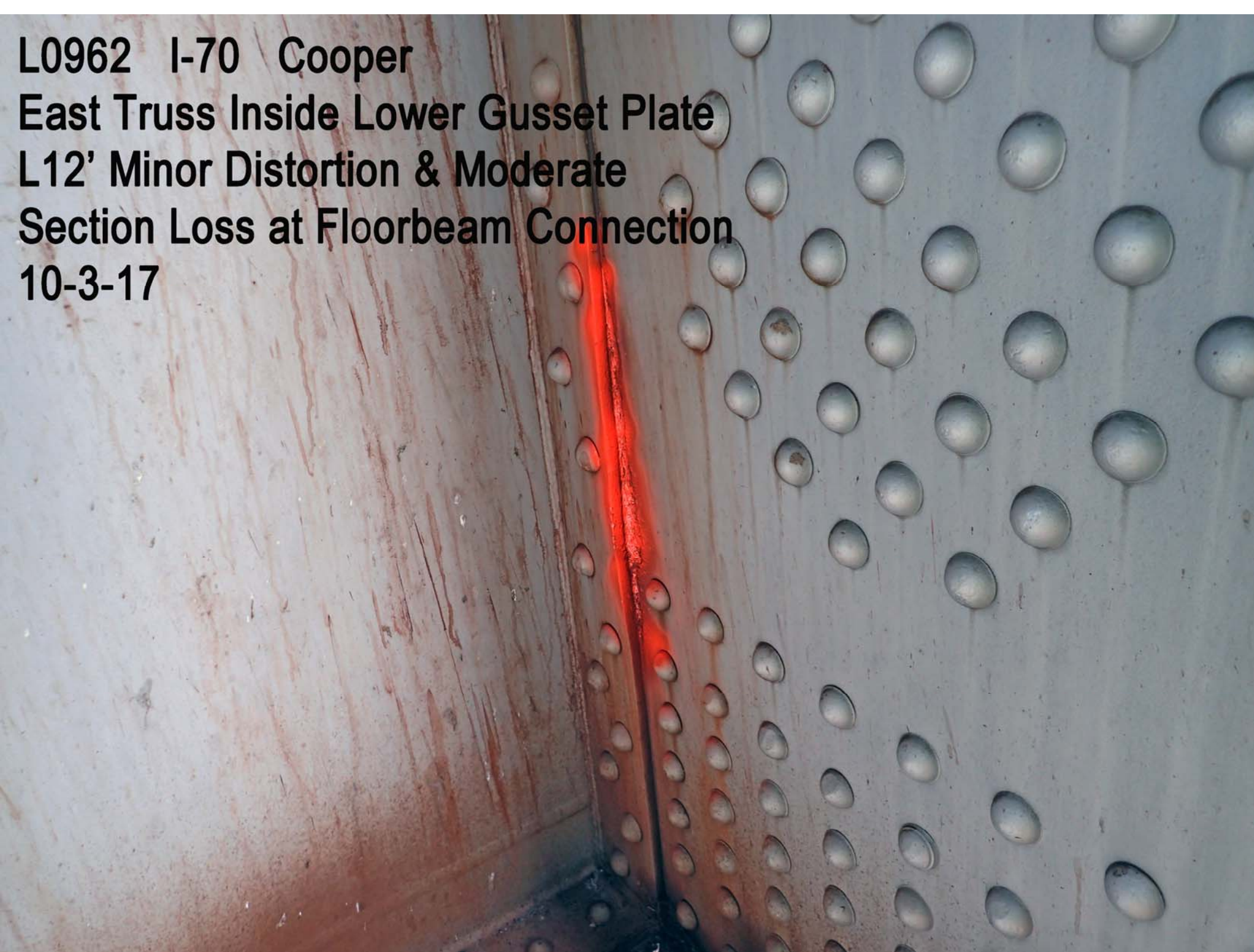
L0962 I-70 Cooper
L14'L13' Stringer 9 at Floorbeam
L13'L13' Heavy Section Loss (60%)
10-3-17





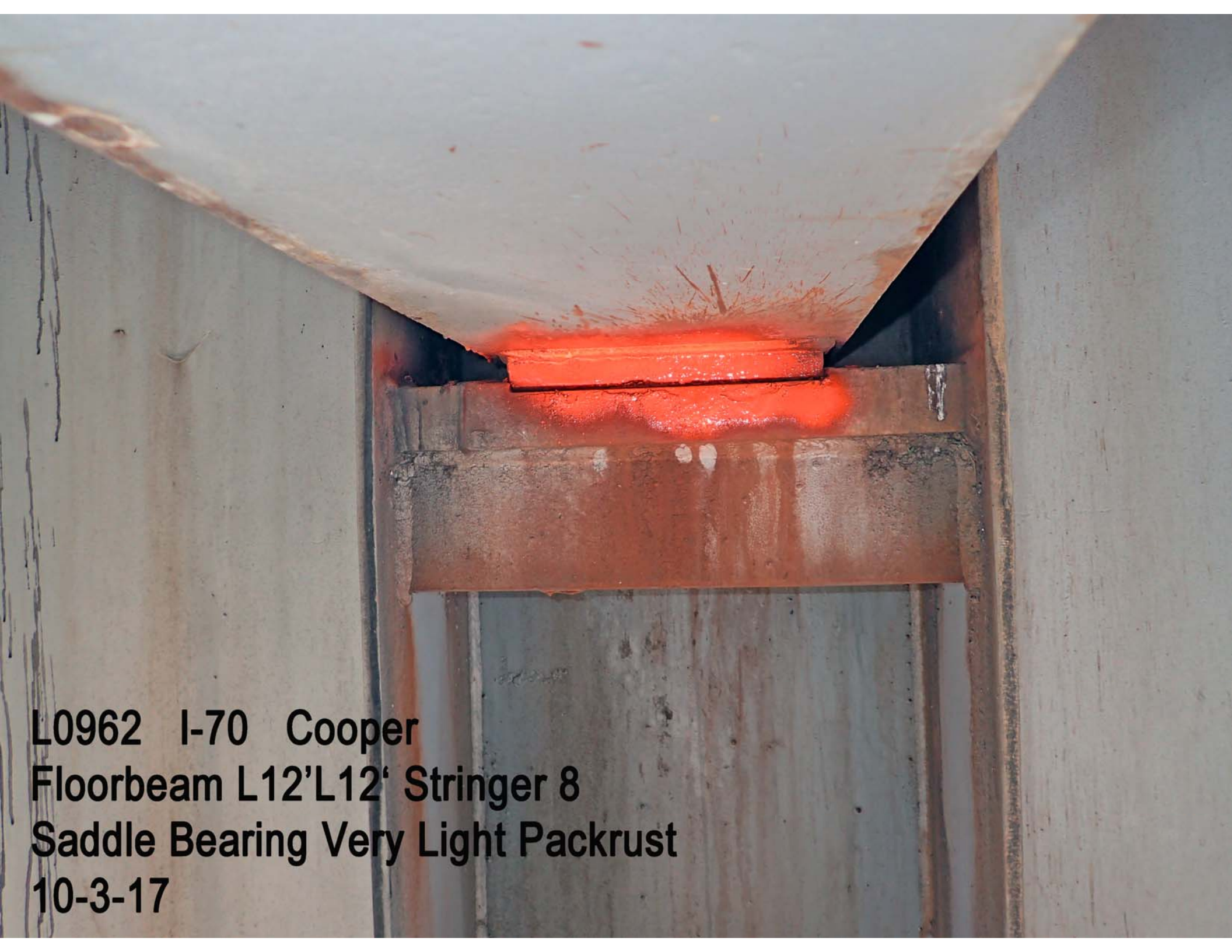
L0962 I-70 Cooper
EBL Expansion Joint at L16'
10-3-17

**L0962 I-70 Cooper
East Truss Inside Lower Gusset Plate
L12' Minor Distortion & Moderate
Section Loss at Floorbeam Connection
10-3-17**



L0962 I-70 Cooper
L13'L12' Stringer 9 at Floorbeam
L12'L12' Moderate Section Loss
10-3-17

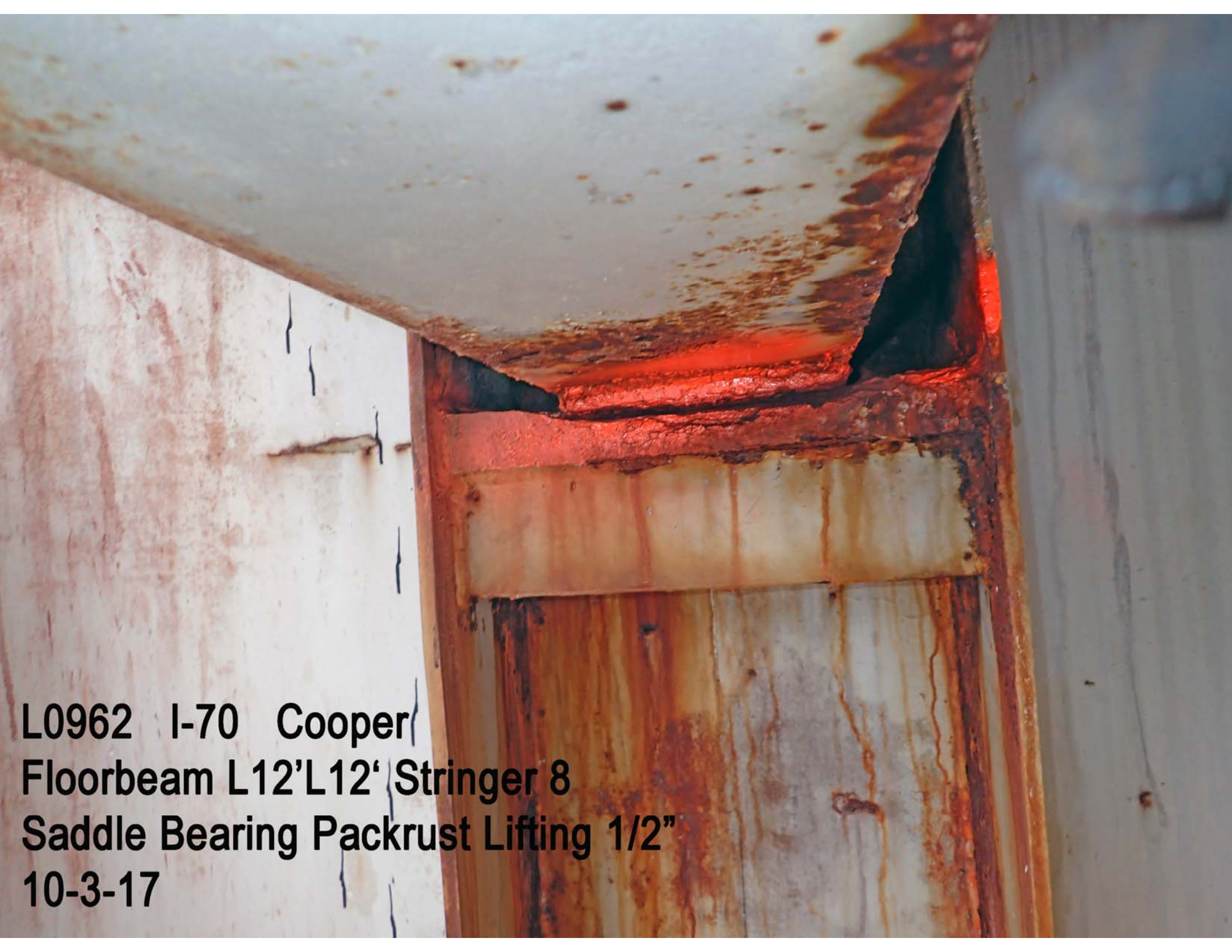




**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 8
Saddle Bearing Very Light Packrust
10-3-17**



**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 8 West Side
Stringer End Heavy Packust
Moderate Section Loss
10-3-17**



L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 8
Saddle Bearing Packrust Lifting 1/2"
10-3-17



**L0962 I-70 Cooper
Floorbeam L12'L12' at Stringer 9 Bottom
Flange, Web, and Bottom of Bearing Supports
Moderate Section Loss
10-3-17**



**L0962 I-70 Cooper
Floorbeam L12'L12' Stringer 9 East Side
Stringer End Heavy Packust
Moderate Section Loss
10-3-17**



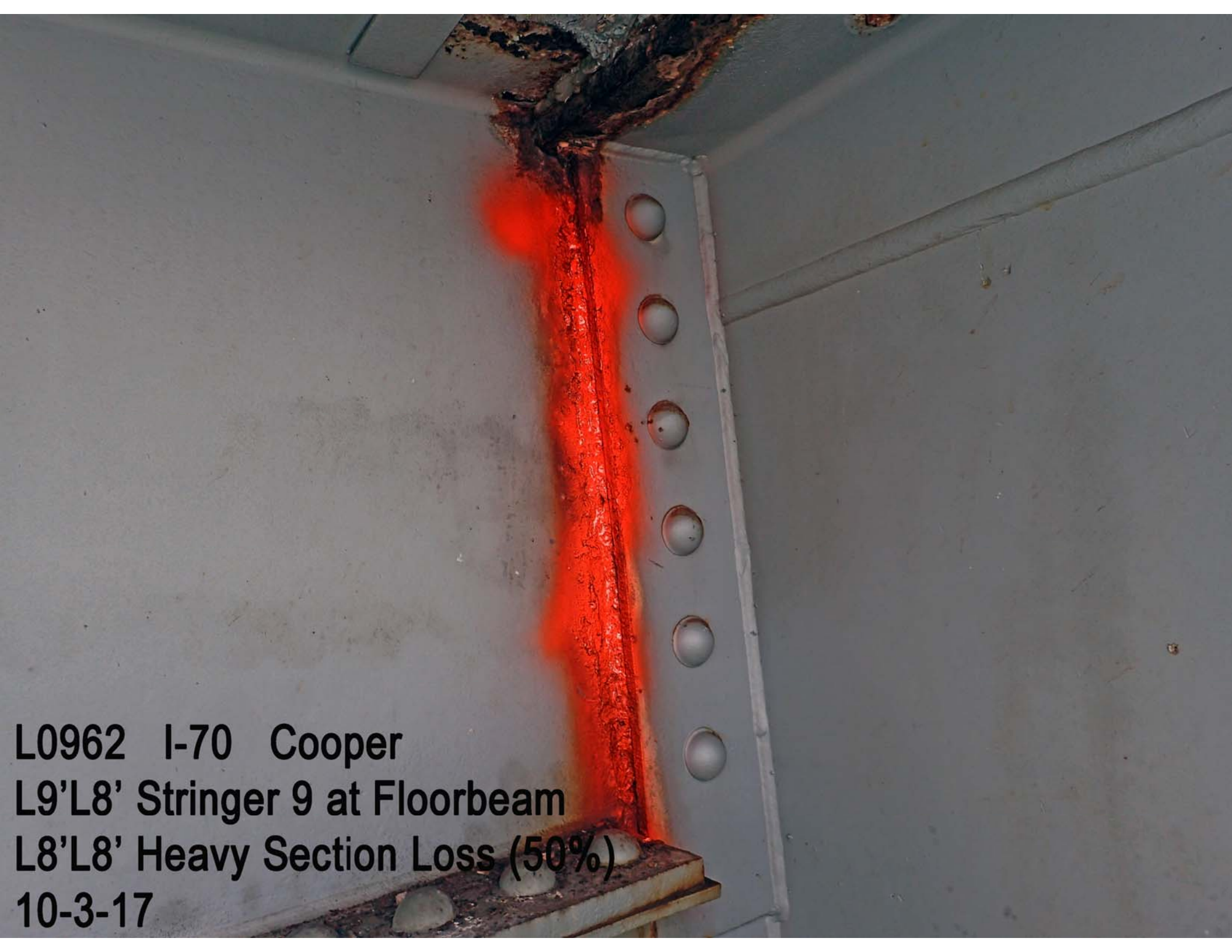
L0962 I-70 Cooper
East Truss Inside Lower Gusset Plate L10'
1/2" Distortion and L10'M11' Section Loss
10-3-17



L0962 I-70 Cooper
East Truss Lower Chord L11'L10' Bottom Plate
Advanced Section Loss at L10'
10-3-17

**L0962 I-70 Cooper
East Truss Inside Lower Gusset
Plate 1/2" Distortion & Section Loss
on L10'M9'
10-3-17**





L0962 I-70 Cooper
L9'L8' Stringer 9 at Floorbeam
L8'L8' Heavy Section Loss (50%)
10-3-17



**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 8
Saddle Bearing Minor Packrust
10-3-17**

L0962 I-70 Cooper

East Truss Inner Lower Gusset Plate L8'

1/2" Distortion

10-3-17



**L0962 I-70 Cooper
Floorbeam L8'L8' Stringer 9 Saddle Bearing
Heavy Packrust Lifting 3/4" and Moderate
Section Loss Throughout Bearing
10-3-17**



L0962 I-70 Cooper
East Truss Inner Lower Gusset
Plate L7' Missing 3 Fasteners
10-3-17



L0962 I-70 Cooper
EBL Expansion Joint at L12'
10-3-17

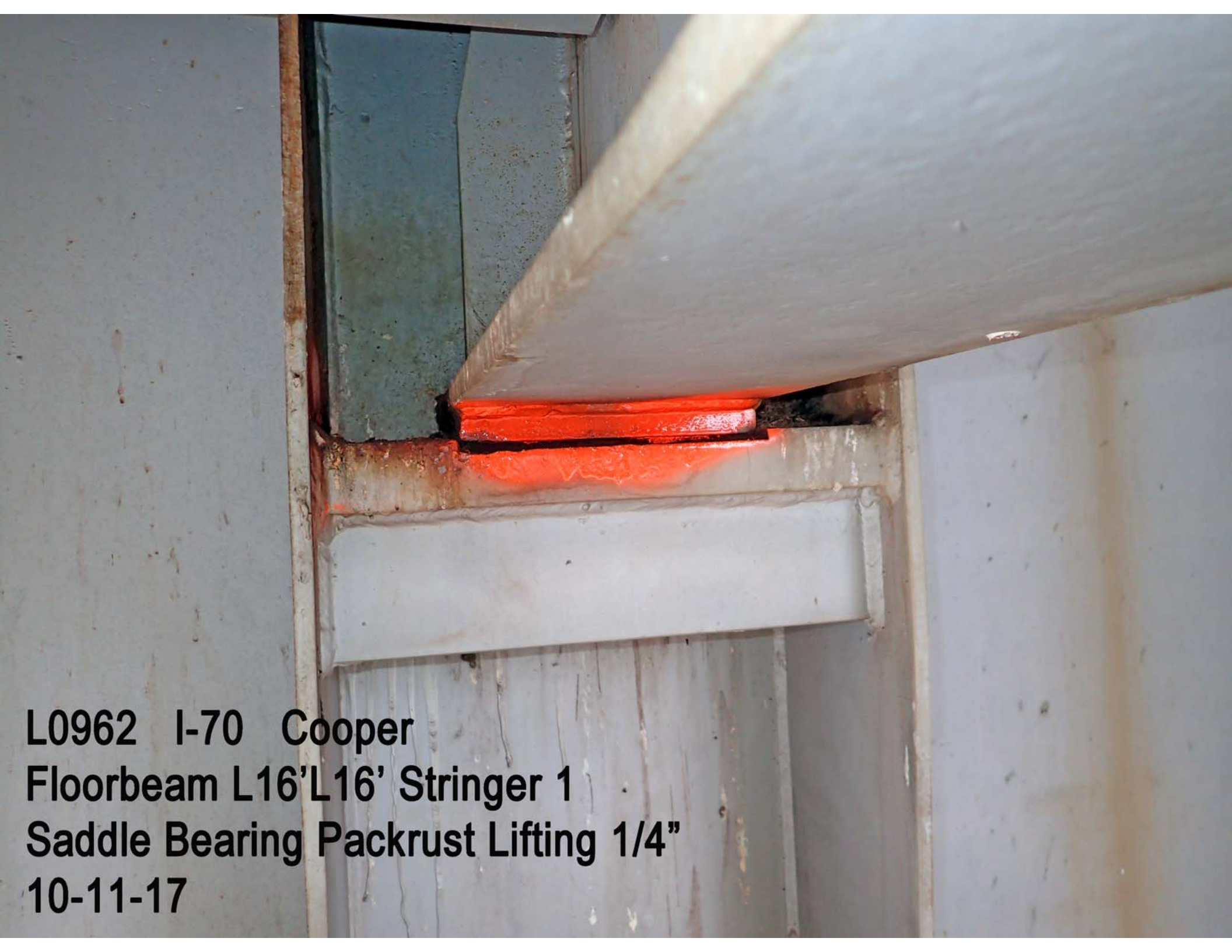




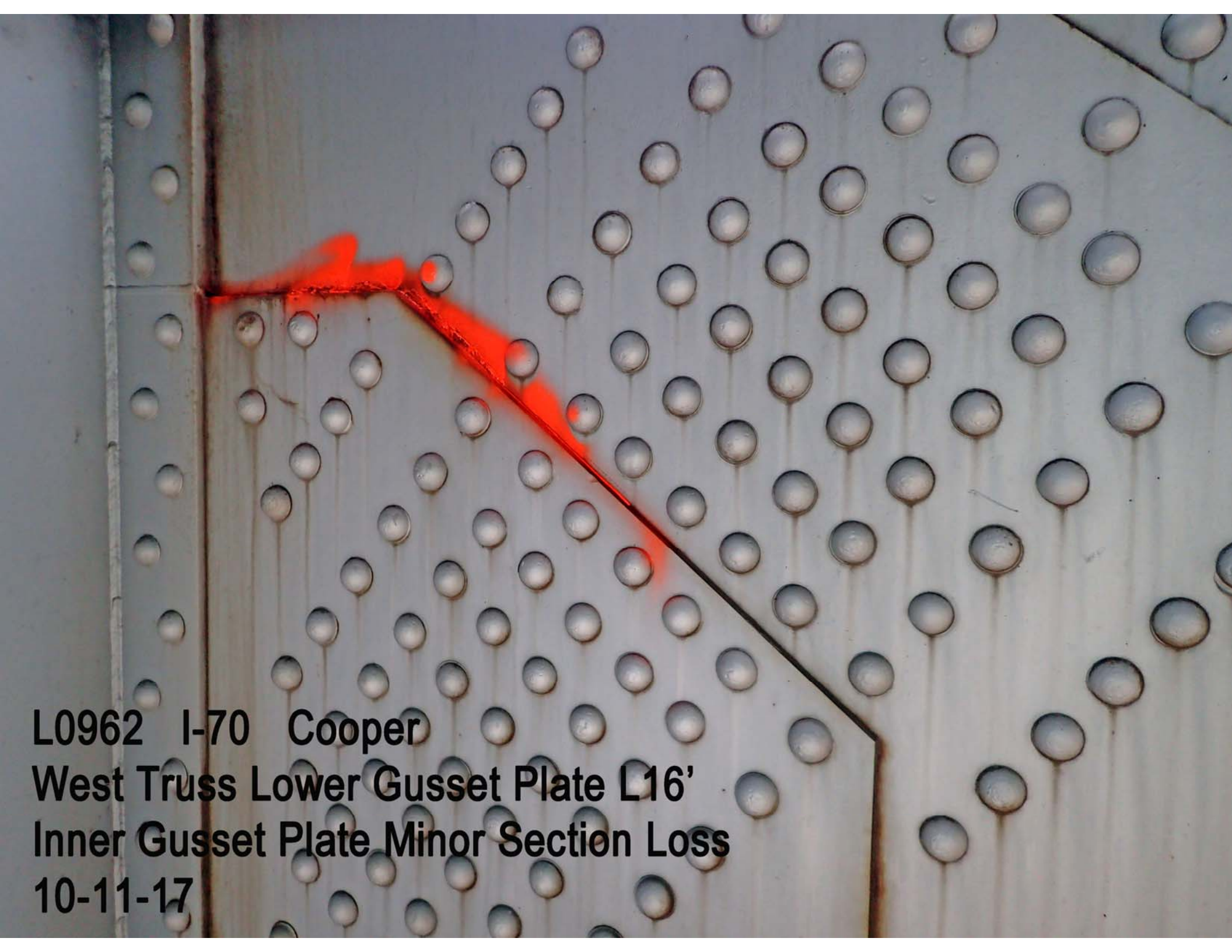
L0962 I-70 Cooper
L7'L6' Stringer 9 at Flooream L6'L6'
Heavy Web Section Loss (50%)



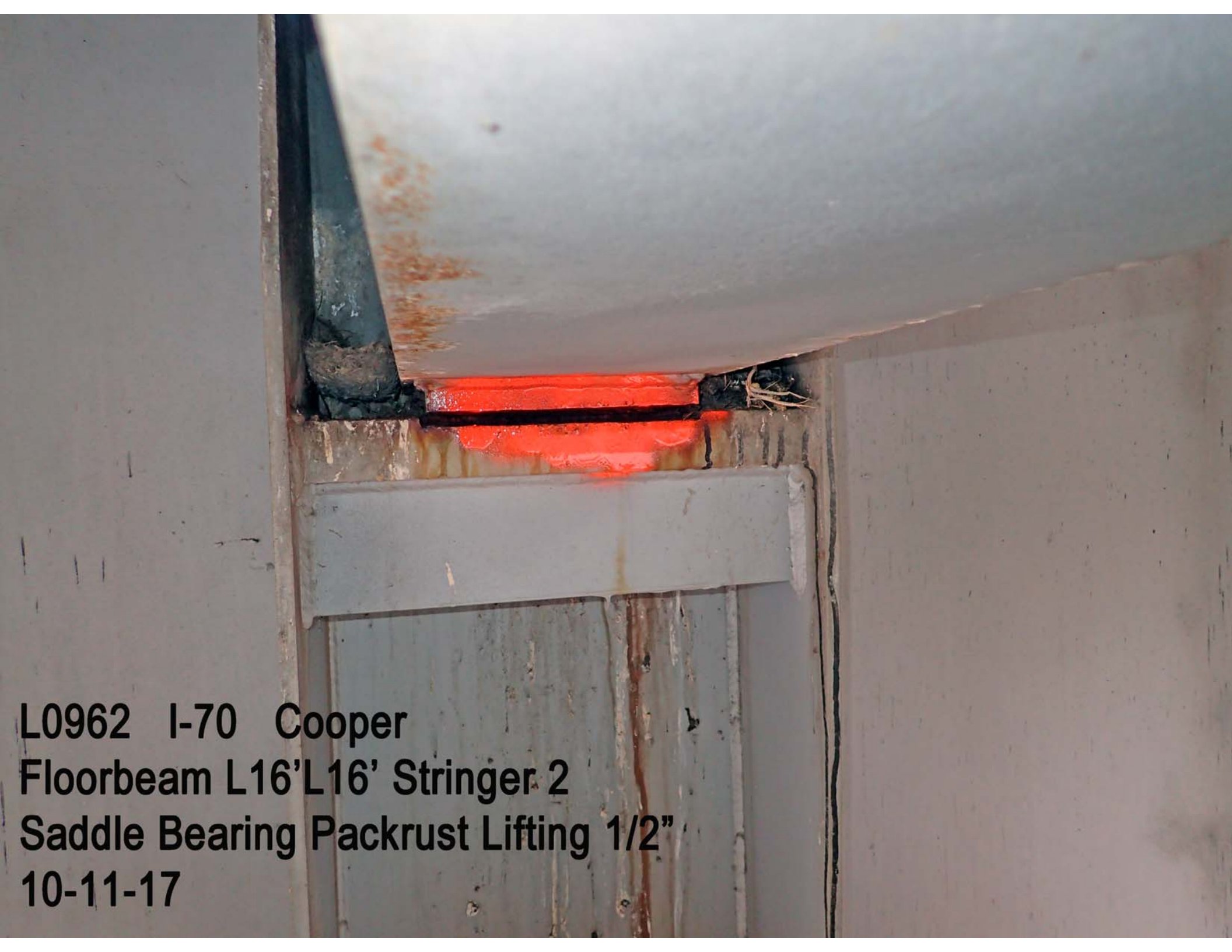
L0962 I-70 Cooper
East Truss Lower Chord L7'L6' Bottom Plate
Advanced Section Loss at L6' Joint
10-5-17



**L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 1
Saddle Bearing Packrust Lifting 1/4"
10-11-17**



L0962 I-70 Cooper
West Truss Lower Gusset Plate L16'
Inner Gusset Plate Minor Section Loss
10-11-17



L0962 I-70 Cooper
Floorbeam L16'L16' Stringer 2
Saddle Bearing Packrust Lifting 1/2"
10-11-17



**L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 4
Saddle Bearing Packrust Lifting 3/4"
10-11-17**

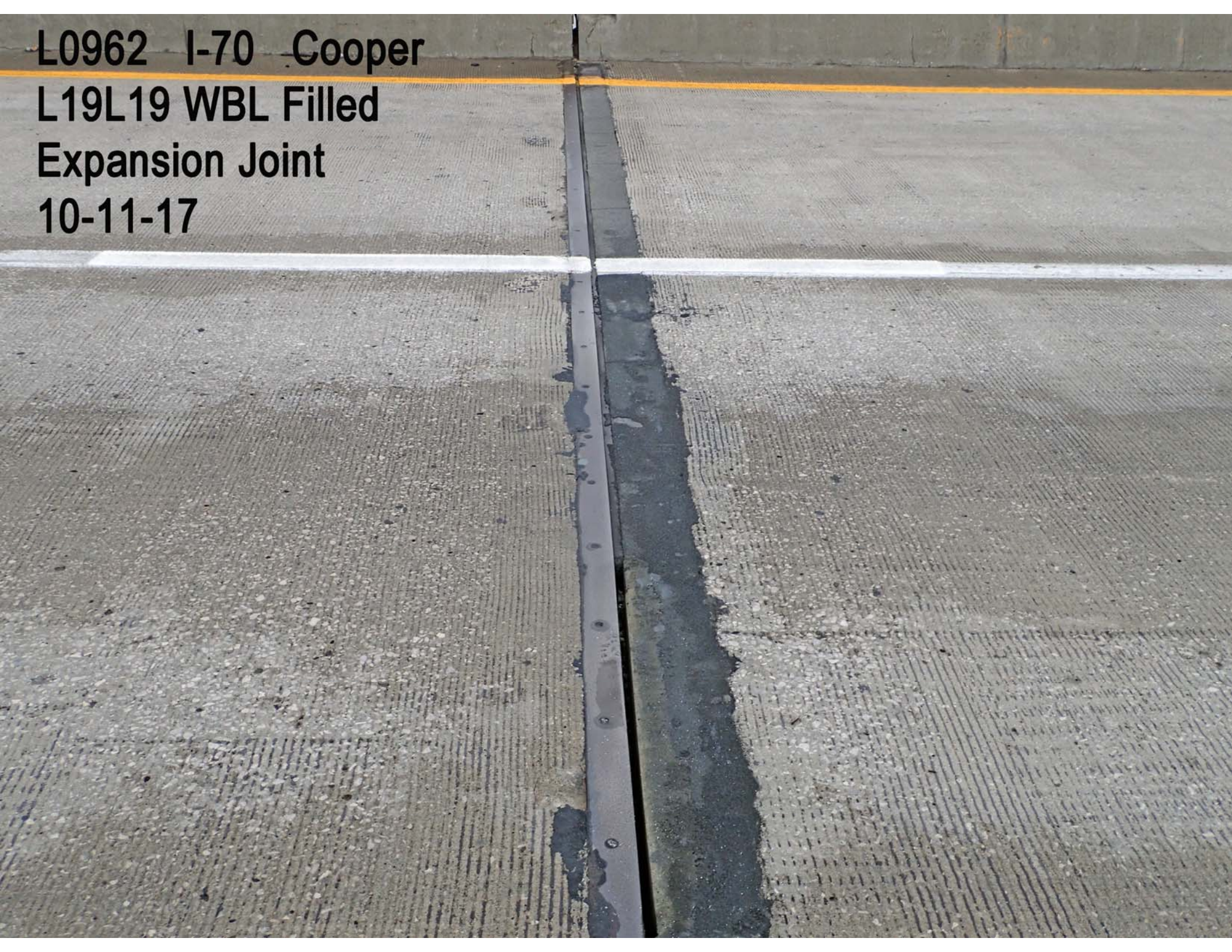


L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 3
Saddle Bearing Packrust Lifting 1/2"
10-11-17



L0962 I-70 Cooper
Floorbeam L19'L19' Stringer 2
Saddle Bearing Packrust Lifting 1/2"
10-11-17

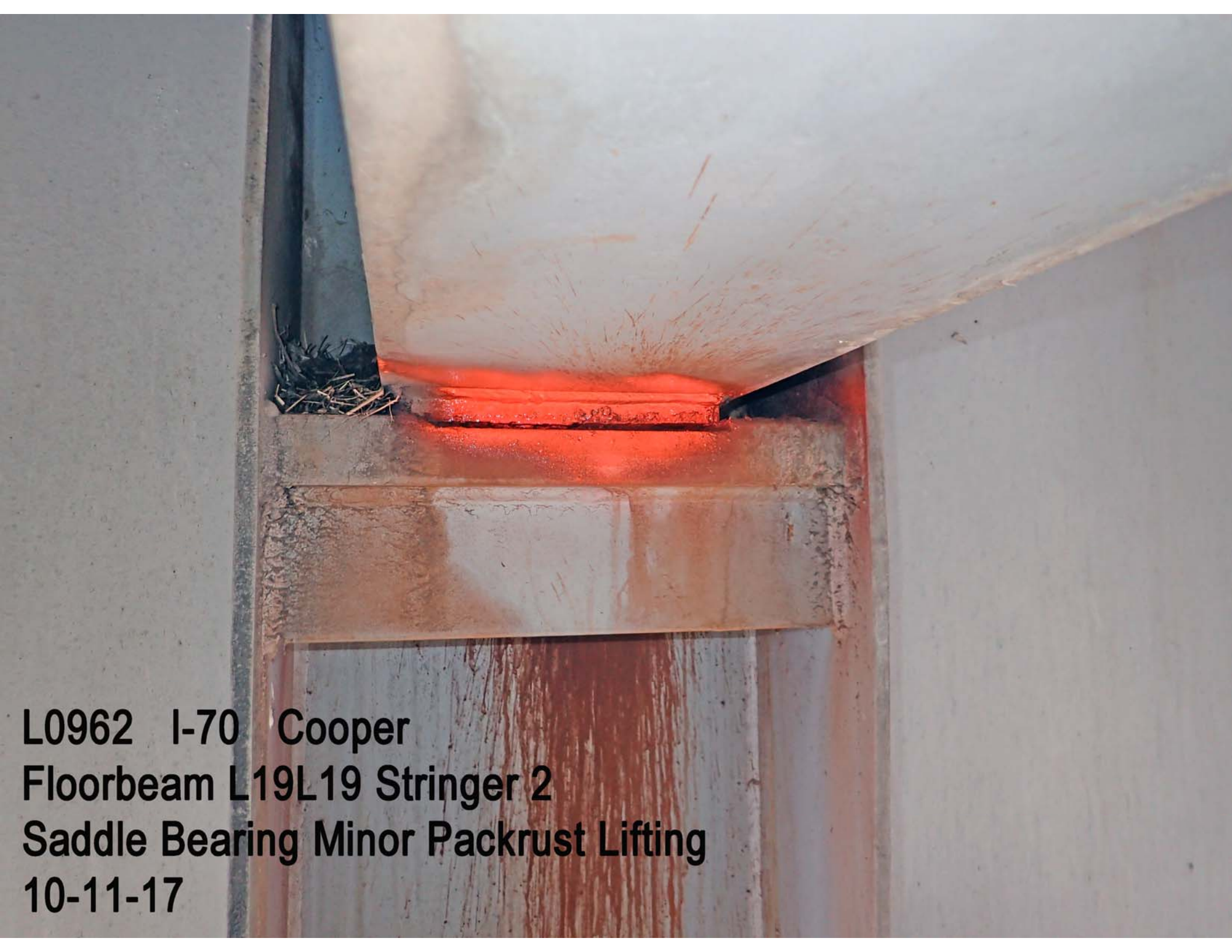
L0962 I-70 Cooper
L19L19 WBL Filled
Expansion Joint
10-11-17





A close-up photograph of a steel bridge structure. The image shows a horizontal floorbeam (L19L19) supported by a saddle bearing. The bearing is a thick, dark, rectangular block. The floorbeam is a light-colored steel beam. The structure is surrounded by concrete walls. The text "L0962 I-70 Cooper" is visible on the left side of the image. The text "Floorbeam L19L19 Stringer 3" is visible on the right side of the image. The text "Saddle Bearing Minor Packrust Lifting" is visible at the bottom of the image. The date "10-11-17" is visible at the bottom right of the image.

L0962 I-70 Cooper
Floorbeam L19L19 Stringer 3
Saddle Bearing Minor Packrust Lifting
10-11-17

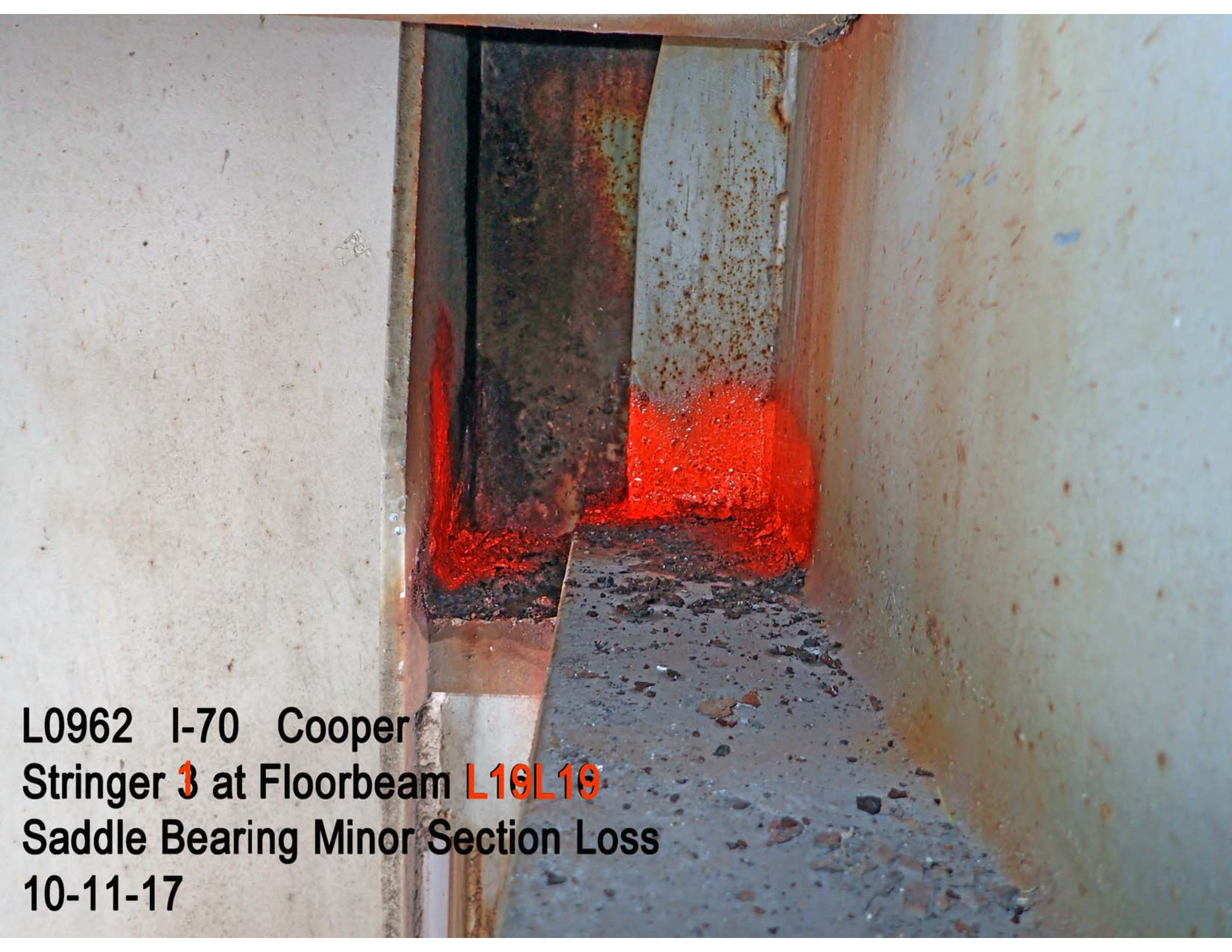


L0962 I-70 Cooper
Floorbeam L19L19 Stringer 2
Saddle Bearing Minor Packrust Lifting
10-11-17

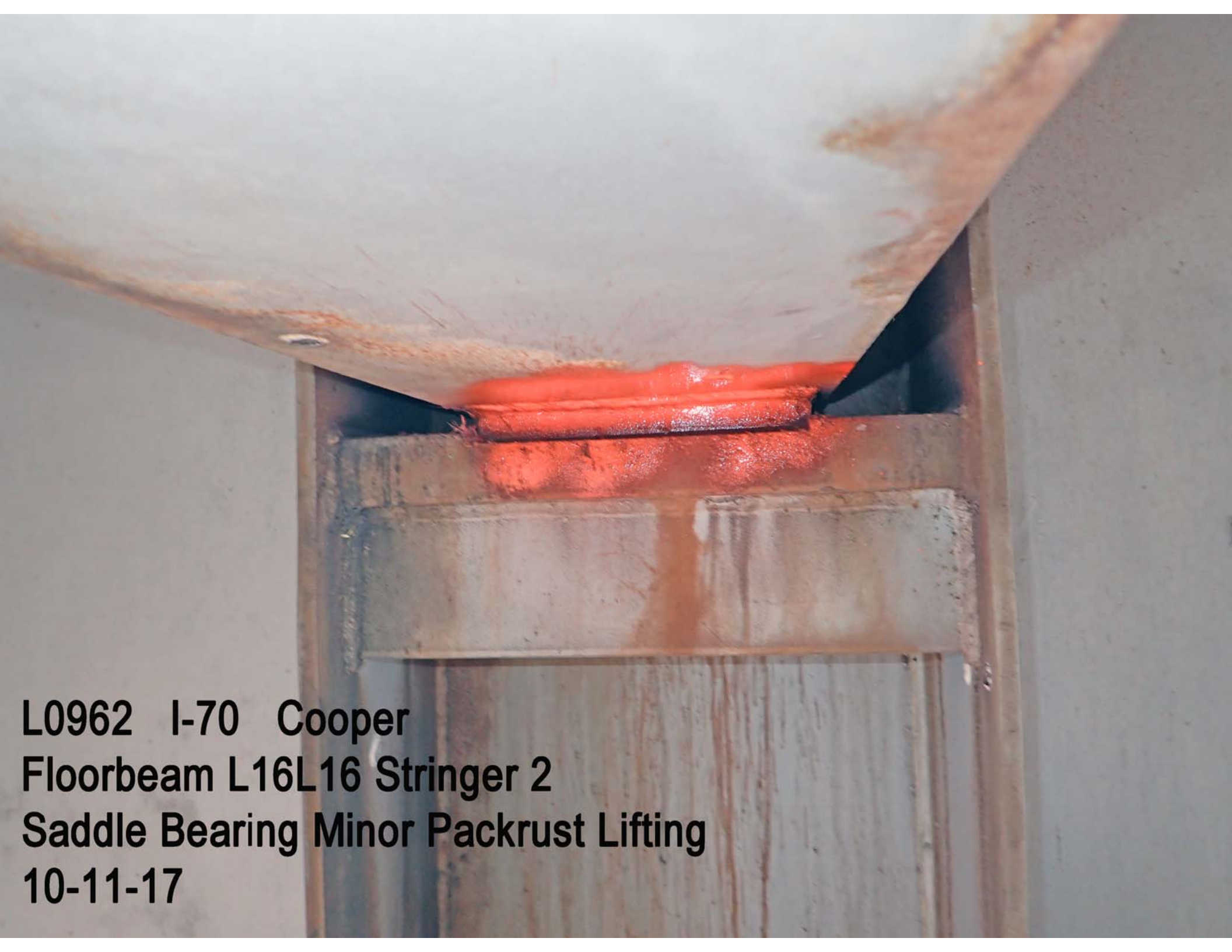


A close-up photograph of a steel bridge joint. A horizontal steel beam is positioned above a vertical steel stringer. The contact surface between them is heavily corroded, showing a bright orange-red rust. The rust has caused the top surface of the beam to lift upwards by approximately 1/2 inch. The surrounding steel surfaces are grey and show some minor surface rust.

L0962 I-70 Cooper
Floorbeam L19L19 Stringer 1
Saddle Bearing Packrust Lifting 1/2"
10-11-17



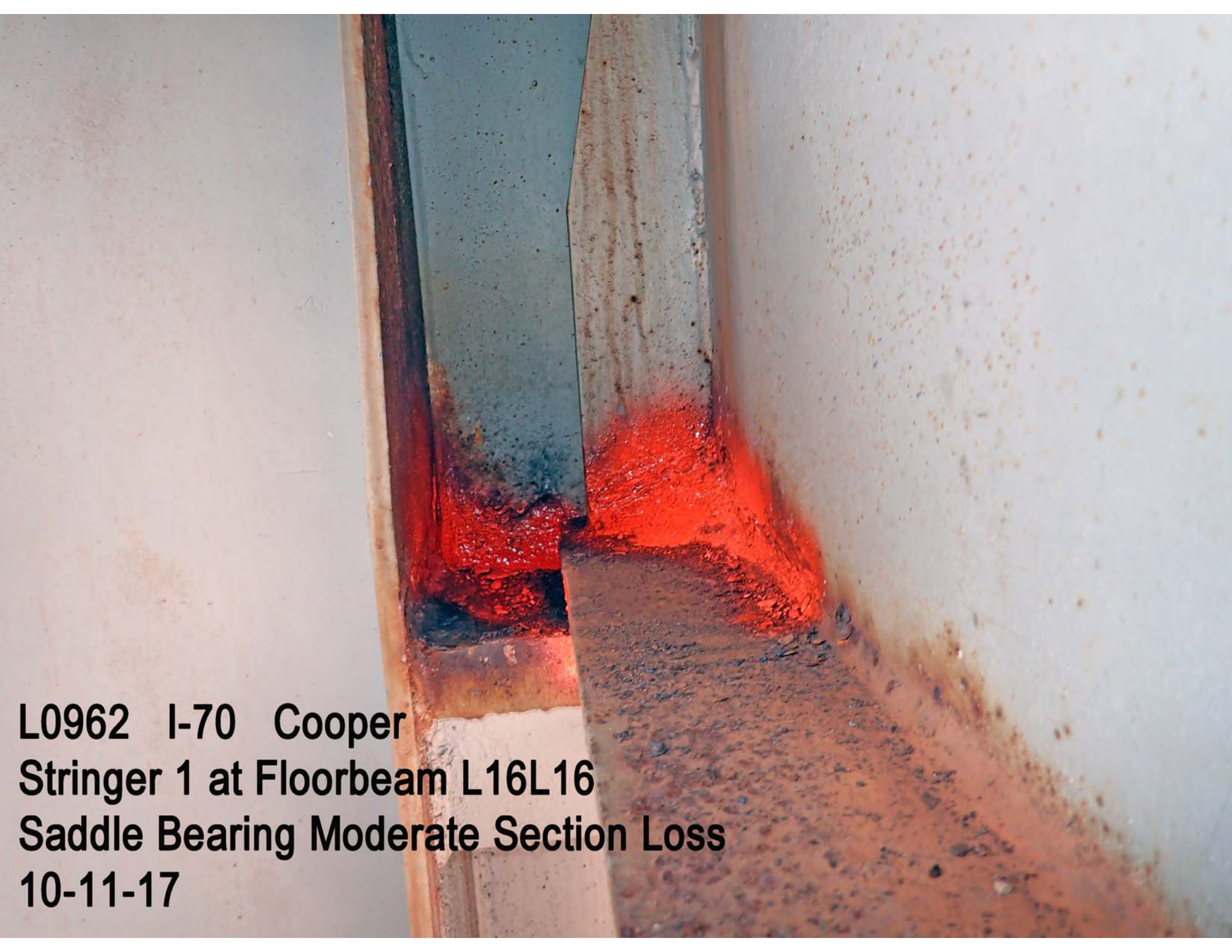
L0962 I-70 Cooper
Stringer **3** at Floorbeam **L10L19**
Saddle Bearing Minor Section Loss
10-11-17



L0962 I-70 Cooper
Floorbeam L16L16 Stringer 2
Saddle Bearing Minor Packrust Lifting
10-11-17



**L0962 I-70 Cooper
Floorbeam L16L16 Stringer 1
Saddle Bearing Packrust Lifting 1/2"
10-11-17**



**L0962 I-70 Cooper
Stringer 1 at Floorbeam L16L16
Saddle Bearing Moderate Section Loss
10-11-17**



L0962 I-70 Cooper

**West Truss Lower Chord L11L12 Bottom
Plate Advanced Section Loss at L12**

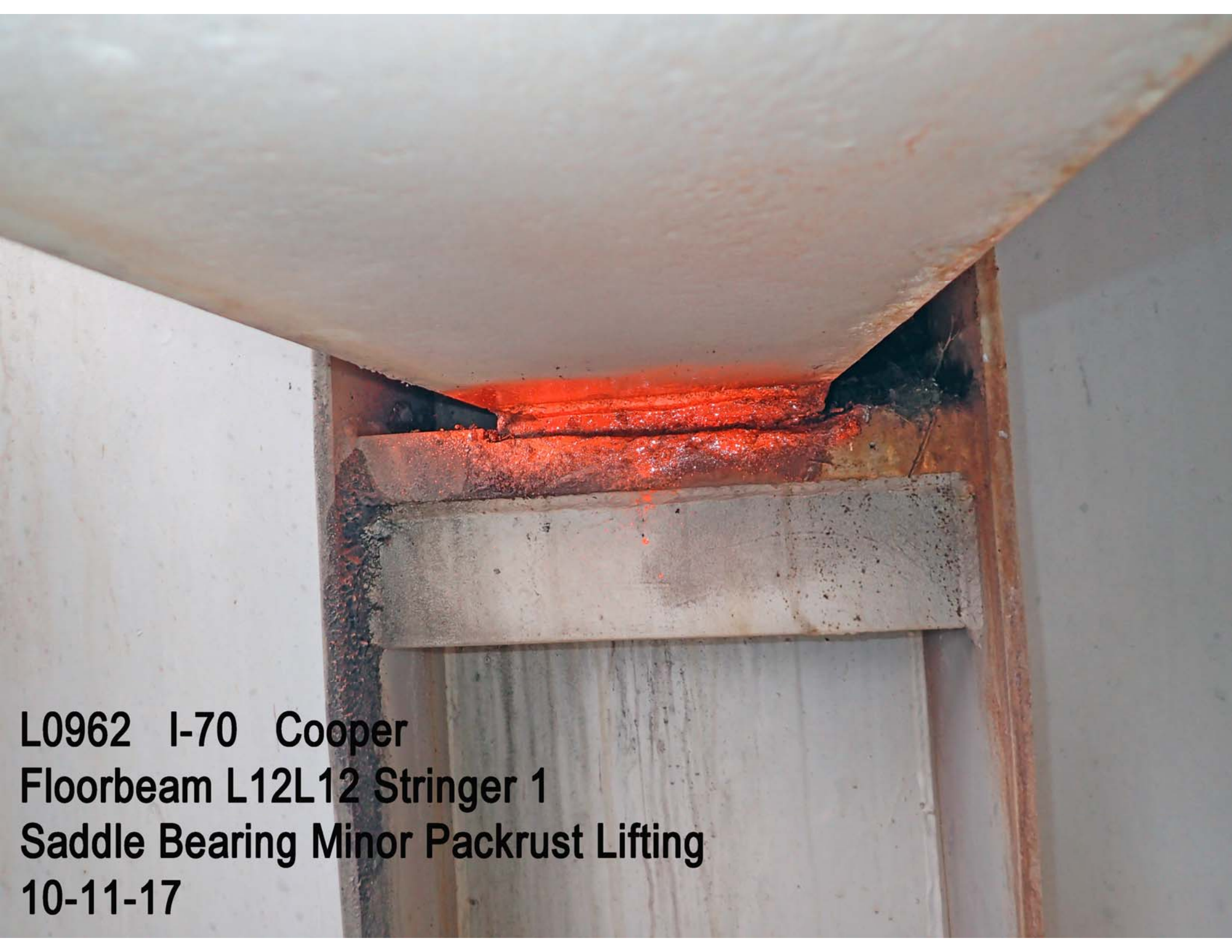
10-11-17

A close-up photograph of a metal beam, likely a floorbeam, showing a section where a saddle bearing packrust has been lifted. The lifted area is painted red, and the surrounding metal is grey. The beam is positioned between two vertical metal supports. The background is a light-colored wall.

**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 3
Saddle Bearing Packrust Lifting 1/4"
10-11-17**



**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 2
Saddle Bearing Minor Packrust Lifting
10-11-17**



**L0962 I-70 Cooper
Floorbeam L12L12 Stringer 1
Saddle Bearing Minor Packrust Lifting
10-11-17**



L0962 I-70 Cooper
Floorbeam L8L8 Stringer 3
Saddle Bearing Packrust Lifting 1/2"
10-11-17



L0962 I-70 Cooper
Stringer 3 at Floorbeam L8L8
Saddle Bearing Moderate Section Loss
10-11-17

A close-up photograph of a steel beam connection. A horizontal steel beam is visible, with a red marker applied to its top surface. The marker is a bright red, rectangular shape. The steel beam is part of a larger structure, with other beams and welds visible in the background. The text overlay provides context for the image, indicating it is a record of a lifting operation on a bridge structure.

**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 2
Saddle Bearing Minor Packrust Lifting
10-11-17**

**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 2
Saddle Bearing Support Damage
10-11-17**





**L0962 I-70 Cooper
Floorbeam L8L8 Stringer 1
Saddle Bearing Minor Packrust Lifting
10-11-17**



L0962 I-70 Cooper
L12L12 WBL Filled
Expansion Joint
10-11-17



L0962 I-70 - Cooper
L8L8 WBL Filled
Expansion Joint
10-11-17



L0962 I-70 Cooper
L4L4 WBL Filled
Expansion Joint
10-11-17



L0962 Cooper 70 8/29/17 Span
14 right side L1' - U1' pack rust in
connection with 1/4 inch distortion

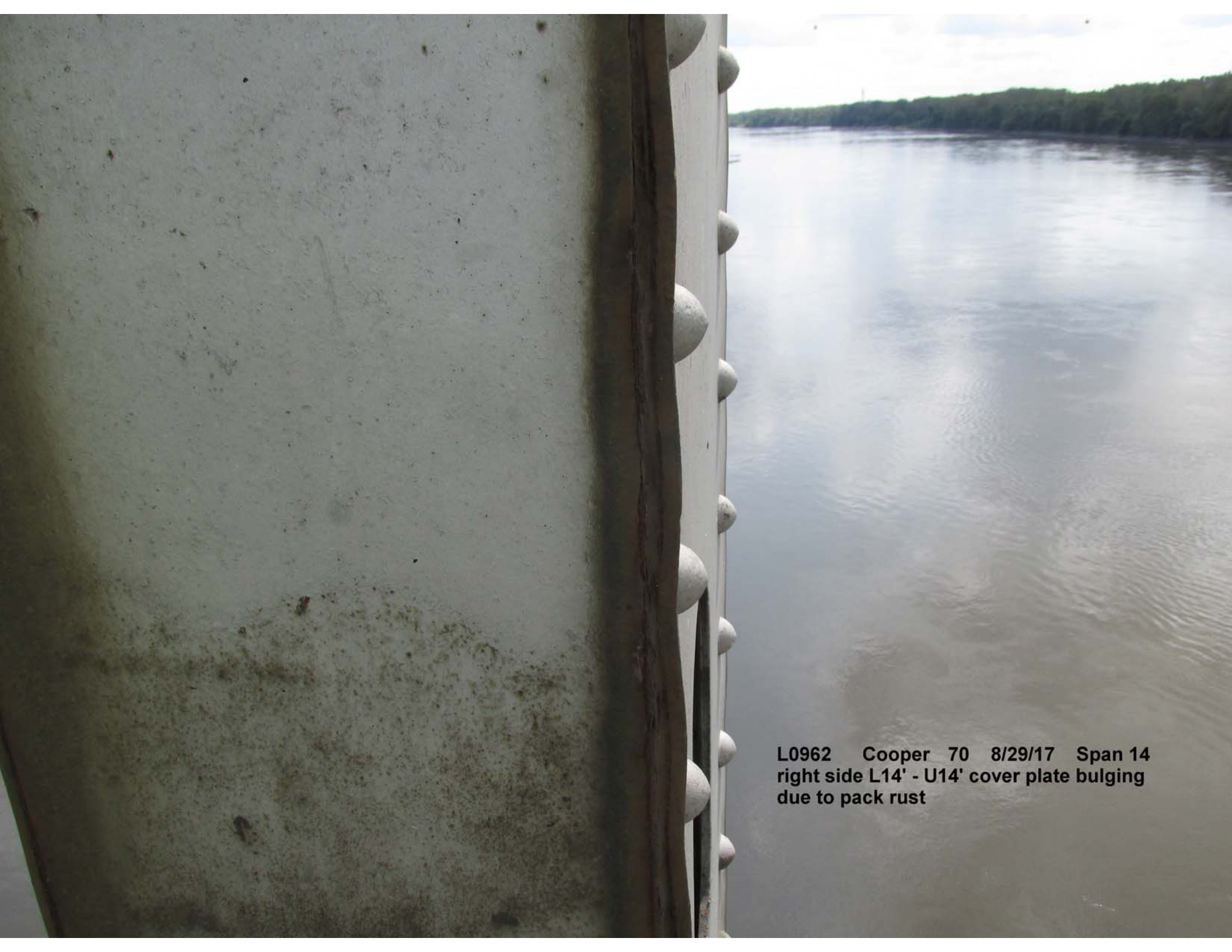
L0962 Cooper 70 8/29/17
Span 13 right side L7 - M7 vertical 6
inch by 6 inch area of initial sec loss
and 1/8 inch distortion due to pack
rust





A close-up photograph of a bridge's steel structure. A diagonal cover plate, perforated with holes, is bolted to a larger steel beam. The bolts are large and dark. The background shows a river, a line of trees, and a cloudy sky.

L0962 Cooper 70 8/29/17 Span 14
right side M13' - L12' cover plate bulging
due to pack rust




L0962 Cooper 70 8/29/17 Span 14
right side L14' - U14' cover plate bulging
due to pack rust



L0962 Cooper 70 8/29/17 Span
14 right side M13' - L12' cover plate
bulging due to pack rust

L0962 Cooper 70
8/29/17 Span 13 right side L2-
M3 diagonal cover plate
bulging due to pack rust





L0962 Cooper 70 8/29/17 Span
14 L1' - U1' vertical left side mod pack
rust in angle with 3/8 inch distortion in
splash zone



L0962 Cooper 70 8/29/17
Span 14 M1' - L1' right side inside
gusset with minor surface rust



L13


L0962 Cooper 70 8/29/17 Span 13
left side collision damage to barrier wall
at L13



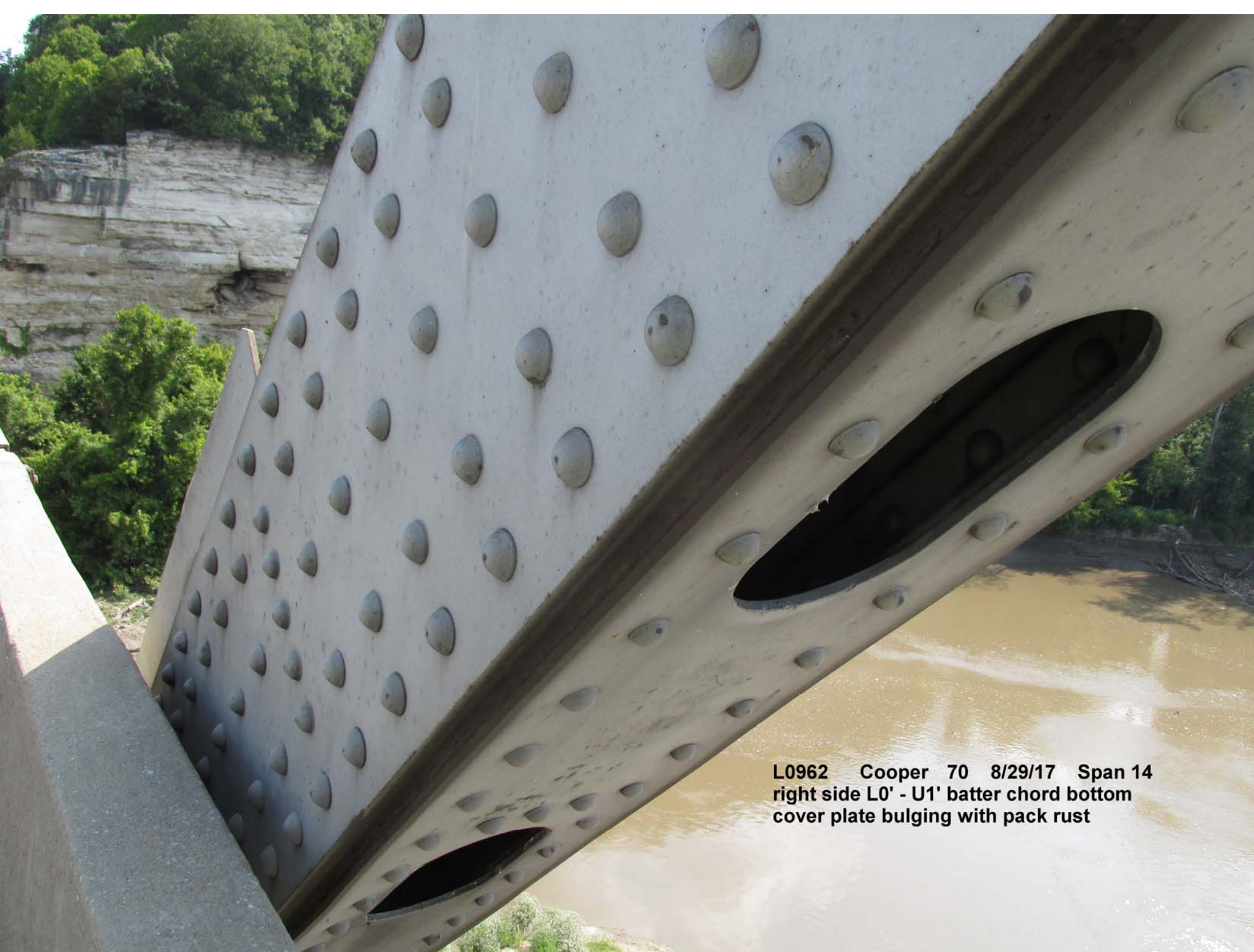
L0962 Cooper 70 8/29/17
Span 13 L15 - M15 left side with
minor collision damage

L0962 Cooper 70 8/29/17 Span
14 L18' left side vertical mod pack
rust with minor bulging in splash zone





L0962 Cooper 70 8/29/17
Span 13 right side L4-U4 vertical
cover plate bulging due to pack
rust



**L0962 Cooper 70 8/29/17 Span 14
right side L0' - U1' batter chord bottom
cover plate bulging with pack rust**



L20

**L0962 Cooper 70 8/29/17 Span
14 L20 - U20 left side cover plates
bulging 1/4 inch due to pack rust**



L0962 Cooper 70 8/29/17 Span 14
L15' - M15' left side vertical minor surface
rust



L0962 Cooper 70 8/29/17 Span 14
M7' - L8' left side debris in box



L 2

L0962 Cooper 70 8/29/17 Span
14 L2' - M1' left side pack rust bulging
cover plates typ throughout builtup
members in splash zone

L0962 Cooper 70 8/29/17 Span 13
L18 - U18 left side cover plates bulging 1/4
inch due to pack rust

L 18



L0962 Cooper 70
8/29/17 Span 4 M3' - M3' cross
brace with collision damage

L0962 Cooper 70
8/29/17 Span 13 M15 left side
outside gusset with surface
rust



L0962 Cooper 70 8/29/17
Span 13 I20 - M19 left side grass
growing in portal connection



L0962 Cooper 70 8/29/17
Span 14 M7' - L7' vertical minor
surface rust

