



L0962 Cooper 70 8/28/17
P13 east side lrg area of map
cracks with saturation and eff



L0962 Cooper 70 8/28/17 P13
east side cap face with 2 1/2 foot by 4
foot area of shallow delamination and
open map cracks with readings



L0962 Cooper 70 8/28/17 P13
north side step cap with lrg area 2
foot by 10 foot delamination on south
side

L0962 Cooper 70 8/28/17
P13 top of cap under north drain
brace lrg area of delamination 5
foot by 10 foot



L0962 Cooper 70
8/28/17 P13 top of cap under
south drain brace lrg area 6
foot by 10 foot delamination



L0962 Cooper 70
8/28/17 P13 south side step
cap north face with 2 foot by
10 foot area of delamination





L0962 Cooper 70
8/28/17 P13 east side cap
face with lrg area of
delamination 16 foot by 30
foot with hvy map cracks
and saturation

L0962 Cooper 70 8/28/17 P13
north side cap end lrg area of hvy
map cracks with saturation and eff



L0962 Cooper 70 8/28/17 P13
north side step cap west face with 2
foot by 5 foot area of delamination 1
foot by 3 foot spall with rebar
exposed minor sec loss in rebar 90
percent remaining




L0962 Cooper 70
8/28/17 P13 west side lrg
area of map cracks with
delamination and
saturation and eff and rust
stains 16 foot by 30 foot



L0962 Cooper 70 8/28/17 P13
column 1 west side face with lrg hvy
delamination and open cracks with
saturation and rust stains







L0962 Cooper 70 8/28/17 Span
12 profile

L0962 Cooper 70 8/28/17 P13
middle cap and bearing 2 with lrg
amount of debris and bearing with
minor pack rust





L0962 Cooper 70 8/28/17 Span 12
SIP forms with saturation eff and rust
stains north of girder 2 typ throughout



L0962 Cooper 70 8/28/17
Span 12 SIP forms with saturation
eff and rust stains north of girder 2
typ throughout

L0962 Cooper 70 8/28/17 Span 11
girder 1 mid span VWS and bottom flange
connection minor pack rust and sec loss
2 inch by 3 inch area 85 percent
remaining typ throughout span 10-12



L0962 Cooper 70 8/28/17 Span 11
girder 1 and 2nd to last horizontal web
stiffener to the east of P11 1 inch by 4 inch
area of mod pack rust minor sec loss on
web 80 percent remaining typ throughout
horizontal stiffener



L0962 Cooper 70 8/28/17 Span 11
girder 1 and 2nd to last horizontal web
stiffener to the east of P11 1 inch by 4 inch
area of mod pack rust minor sec loss on
web 80 percent remaining typ throughout
horizontal stiffener





**L0962 Cooper 70 8/28/17 Span 10
girder 2 between floorbeam 6 and 7 top
flange and SIP form with saturation and
minor surface rust 4 foot area**



**L0962 Cooper 70 8/28/17 Bent 10
east side cap face lrg hvy map cracks
with saturation and eff with rust stains
entire face with delamination and minor
spalling rebar exposed with sec loss 60
percent remaining in exposed rebar**

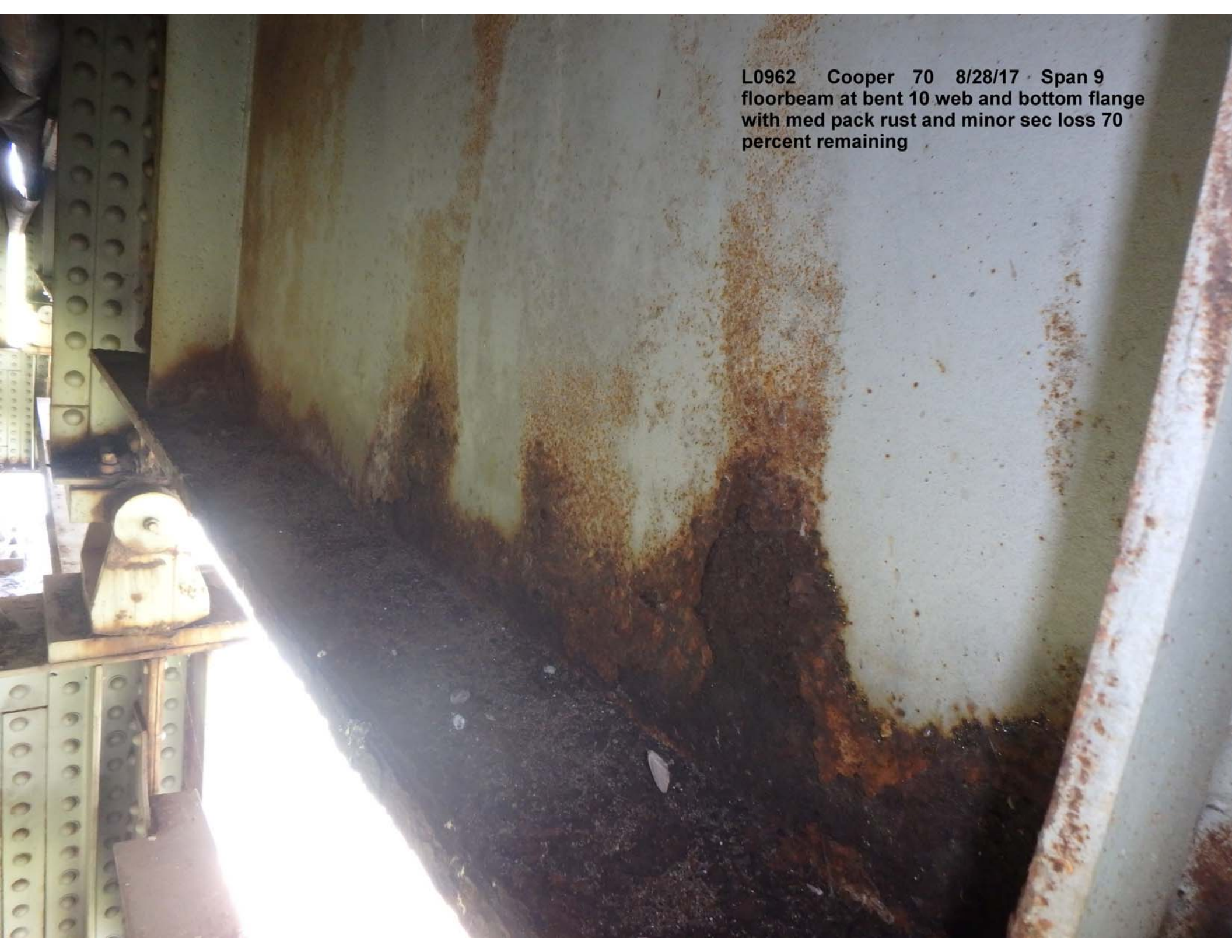


L0962 Cooper 70 8/28/17 Bent 10
column 1 east side face entire face with
deep delaminations open cracks rust stains
eff and saturation



L0962 Cooper 70 8/28/17 Bent 10
bearing 2 med pack rust and minor sec loss
typ throughout bent 10

L0962 Cooper 70 8/28/17 Span 9
floorbeam at bent 10 web and bottom flange
with med pack rust and minor sec loss 70
percent remaining



L0962 Cooper 70 8/28/17
Bent 10 column 1 west side entire
face with map cracks rust stains
and eff from saturation and deep
delamination






L0962 Cooper 70 8/28/17 Bent 10
west side cap face with hvy map cracks
saturation and eff and rust stains med
spalls throughout rebar exposed with sec
loss 70 percent remaining entire face hvy
delamination



**L0962 Cooper 70 8/28/17 Bent 4 east side
under side of finger joint repairs made to broken bolts**



L0962 Cooper 70 8/28/17 Bent
10 east side cap face with lrg hvy
delamination open map cracks with
saturation lrg spalls rebar exposed 70
percent remaining in exposed rebar

L0962 Cooper 70 8/28/17 Bent
10 column 2 east side face with entire
face hvy delamination deep open V
cracks with saturation



L0962 Cooper 70 8/28/17
Span 9 at bent 10 floorbeam
between girders 2 and 3 web and
bottom flange minor pack rust and
sec loss 90 percent remaining 3
inch by 3 foot area





L0962 Cooper 70 8/28/17 Bent
13 west side cap face lrg hvy
delamination open map cracks
saturation with eff lrg spalls rebar
exposed 60 percent remaining

L0962 Cooper 70 8/28/17 Bent 13
west side column 2 lrg hvy delamination
open V crack with saturaiton lrg spalls
rebar exp 60 percent remaining in
exposed rebar



L0962 Cooper 70
8/28/17 Bent 13 cap face
east side lrg hvy map cracks
with saturation and eff lrg hvy
delaminations minor spalling






L0962 Cooper 70
8/28/17 Bent 13 column 2 east
side face hvy delamination
entire face oen cracks



L0962 Cooper 70 8/28/17 Pier 15
west side cap face with hvy delamination
hvy map cracking saturation and eff



L0962 Cooper 70 8/28/17 Pier
15 column 2 west side face sever
delamination hvly map cracking hvly
saturation



A photograph of a concrete pier structure. The pier is light-colored concrete with a grid of rebar visible on its face. A dark, horizontal band of delamination is visible near the top of the pier. Above this band, there is a dark, possibly black, surface with some red markings. A white pipe runs diagonally across the right side of the pier. The background shows a steel structure with vertical and horizontal beams.

L0962 Cooper 70 8/28/17 Pier
15 west side step cap face with hvy
delamination with lrg spalls rebar
exposed

Delam



**L0962 Cooper 70 8/28/17 Pier 15
east side cap face with hvy delamination
with lrg spalls rebar exposed hvy map
cracking**

L0962 Cooper 70 8/28/17
Top view looking east





**L0962 Cooper 70 8/28/17 Bent 4
west side capface all delaminated and
spalled out with rebar exposed**



L0962 Cooper 70 8/28/17 Bent 4
east side under side finger joint with 1 bolt
missing and 1 broke off and hanging
pounding loud



L0962 Cooper 70 8/28/17 Bent 4
east side cap face all delaminated with
hvy spalling rebar exposed and column
2 with areas of delamination



L0962 Cooper 70 8/28/17
Bent 7 west side cap face all
delaminated with hvy spalling
and rebar exposed



Delam

Good

L0962 Cooper 70 8/28/17
Bent 7 east side capface all
delaminated with hvy spalling
with rebar exposed

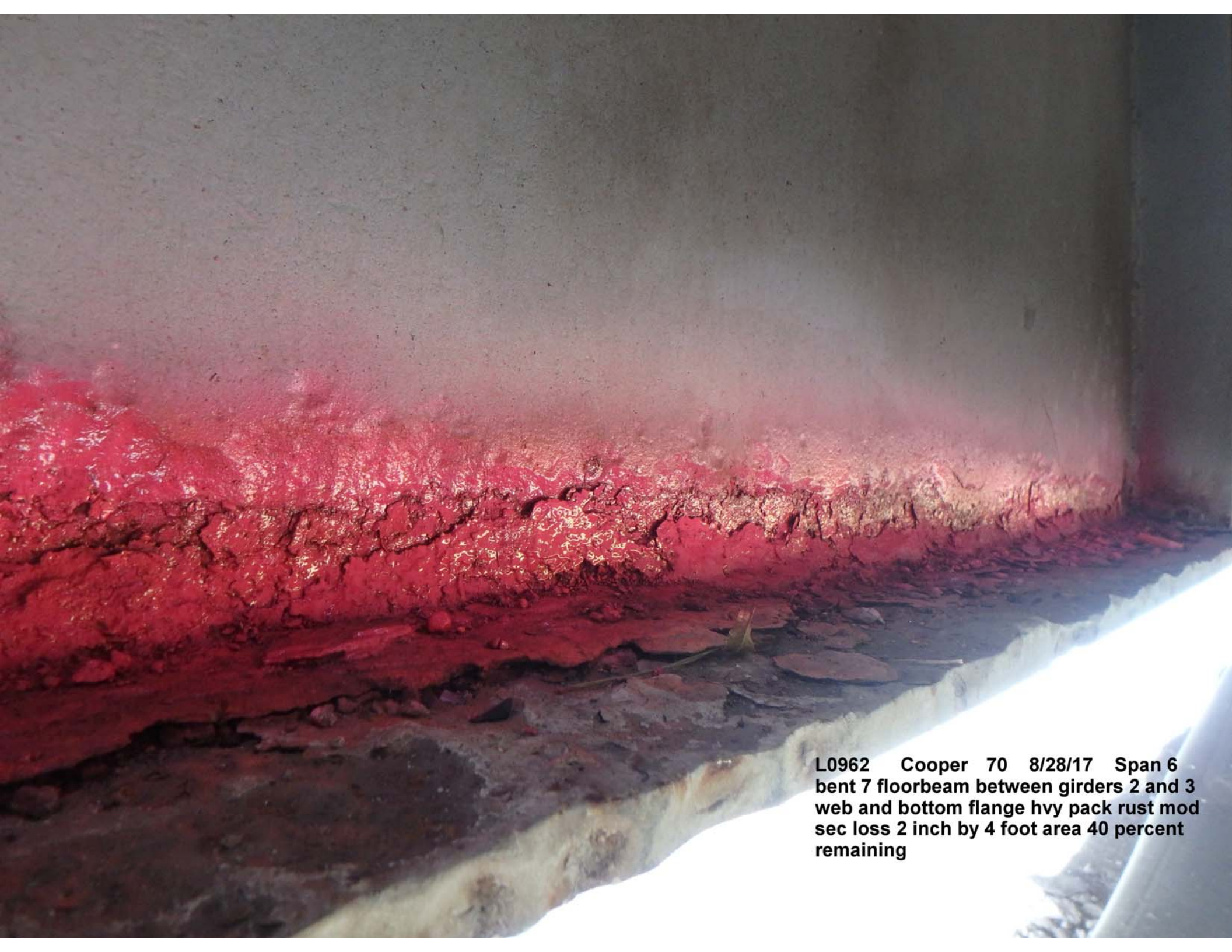


Delam

Delam



L0962 Cooper 70 8/28/17 Bent
7 column 2 with 4 foot area of
delamination



L0962 Cooper 70 8/28/17 Span 6
bent 7 floorbeam between girders 2 and 3
web and bottom flange hvy pack rust mod
sec loss 2 inch by 4 foot area 40 percent
remaining

L0962 Cooper 70 8/28/17
Southside of first 10 spans






L0962 Cooper 70 8/28/17
Span 10 profile



L0962 Cooper 70
8/28/17 Bent 10 west
side capface and column
2 with hvy delamination
with open map cracks
spalling rebar exposed 70
percent remaining on
exposed rebar



L0962 Cooper 70
8/28/17 Span 17 SIP forms
saturation rust stains and eff



L0962 Cooper 70 8/28/17 Span
17 and 18 over bent 17 bottom flange
over bearing with mod pack rust
between plates bulging 3/4 inch

L0962 Cooper 70 8/28/17 Bent 16
lrg drift and debris and silt





L0962 Cooper 70 8/28/17
Top view of deck minor wear



**L0962 Cooper 70 8/28/17 Bent 10
girder ends with minor pack rust and sec
loss at connections 80 percent remaining**

L0962 Cooper 70 8/28/17
Bent 10 span 9 rocker 1 med
pack rust and minor sec loss typ
throughout



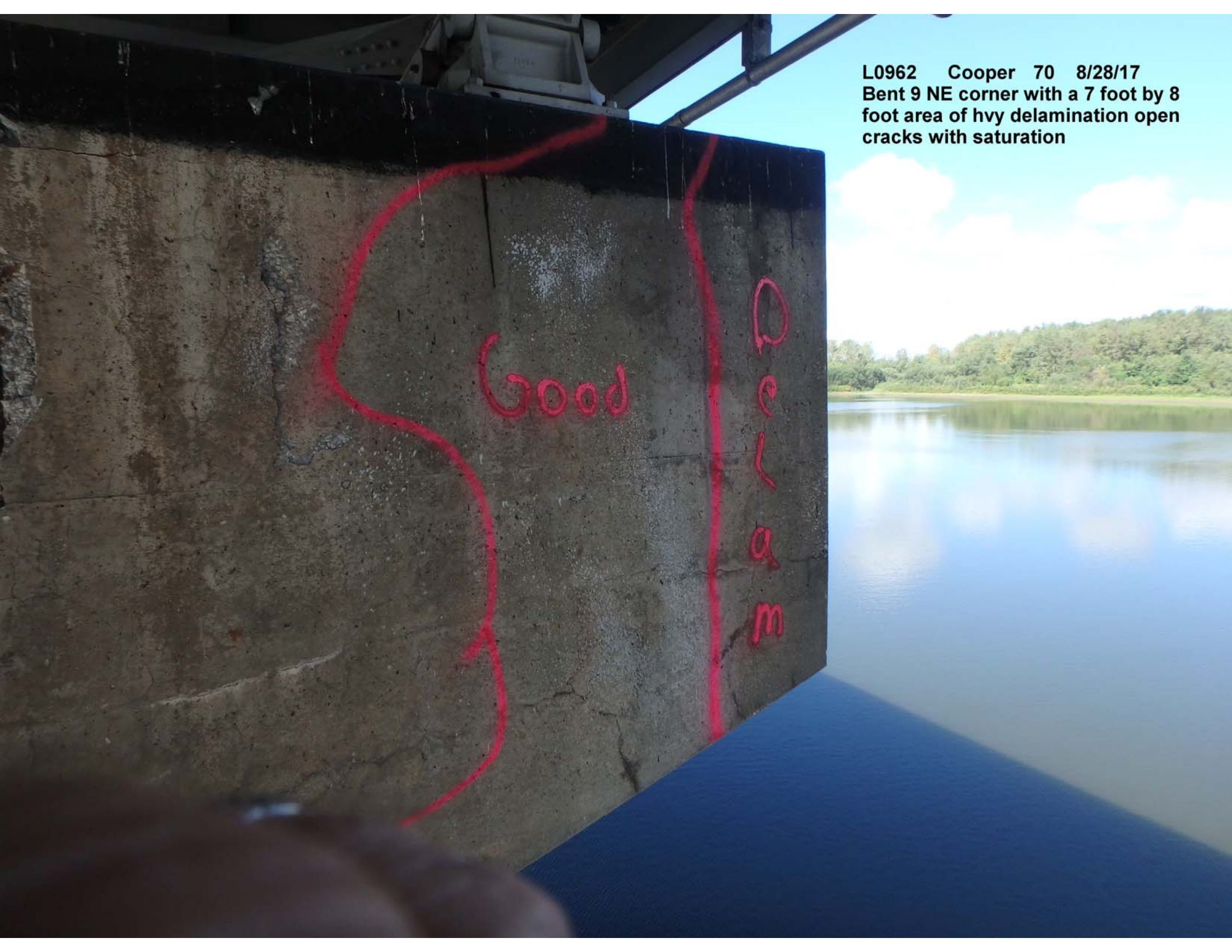


L0962 Cooper 70 8/28/17 Bent 9
west side cap face above column 1 and 2
small delaminas spalling rebar exposed



L0962 Cooper 70 8/28/17 Bent 9 east
side cap face lrg spall rebar exposed with sec
loss to exposed rebar 40 percent remaining

L0962 Cooper 70 8/28/17
Bent 9 NE corner with a 7 foot by 8
foot area of hvy delamination open
cracks with saturation






L0962 Cooper 70 8/28/17 Bent 9
east side cap face with hvy delamination
and spalling rebar exposed 40 percent
remaining in rebar open cracks with rust
stains and saturaiton



L0962 Cooper 70 8/28/17
Bent 9 column 1 east side 7 foot by 7
foot med delamination with map
cracks and saturation with eff and
rust stains



L0962 Cooper 70 8/28/17 Span 6
at bent 7 floorbeam between bearings 1
and 2 with hvy pack rust and mod sec
loss on btm flange and web 2 inch the
entire length with 1 inch hole rusted thru
VWS



L0962 Cooper 70 8/28/17 Span 6 at bent 7 floorbeam between bearings 1 and 2 with hvy pack rust and mod sec loss on btm flange and web 2 inch the entire length with 1 inch hole rusted thru VWS



L0962 Cooper 70 8/28/17 Span 6 at bent 7 floorbeam between bearings 1 and 2 with hvy pack rust and mod sec loss on btm flange and web 2 inch the entire length with 1 inch hole rusted thru VWS



L0962 Cooper 70 8/28/17 Bent 7
bearing 2 with hvy pack rust and minor sec
loss on rocker and masonry plate



L0962 Cooper 70 8/28/17 Bent 7
diaper on finger plate expansion device
full at center line

L0962 Cooper 70 8/28/17
Bent 7 finger plate expansion device
west and east side 1/2 higher in
passing lane with grass growing thru
it

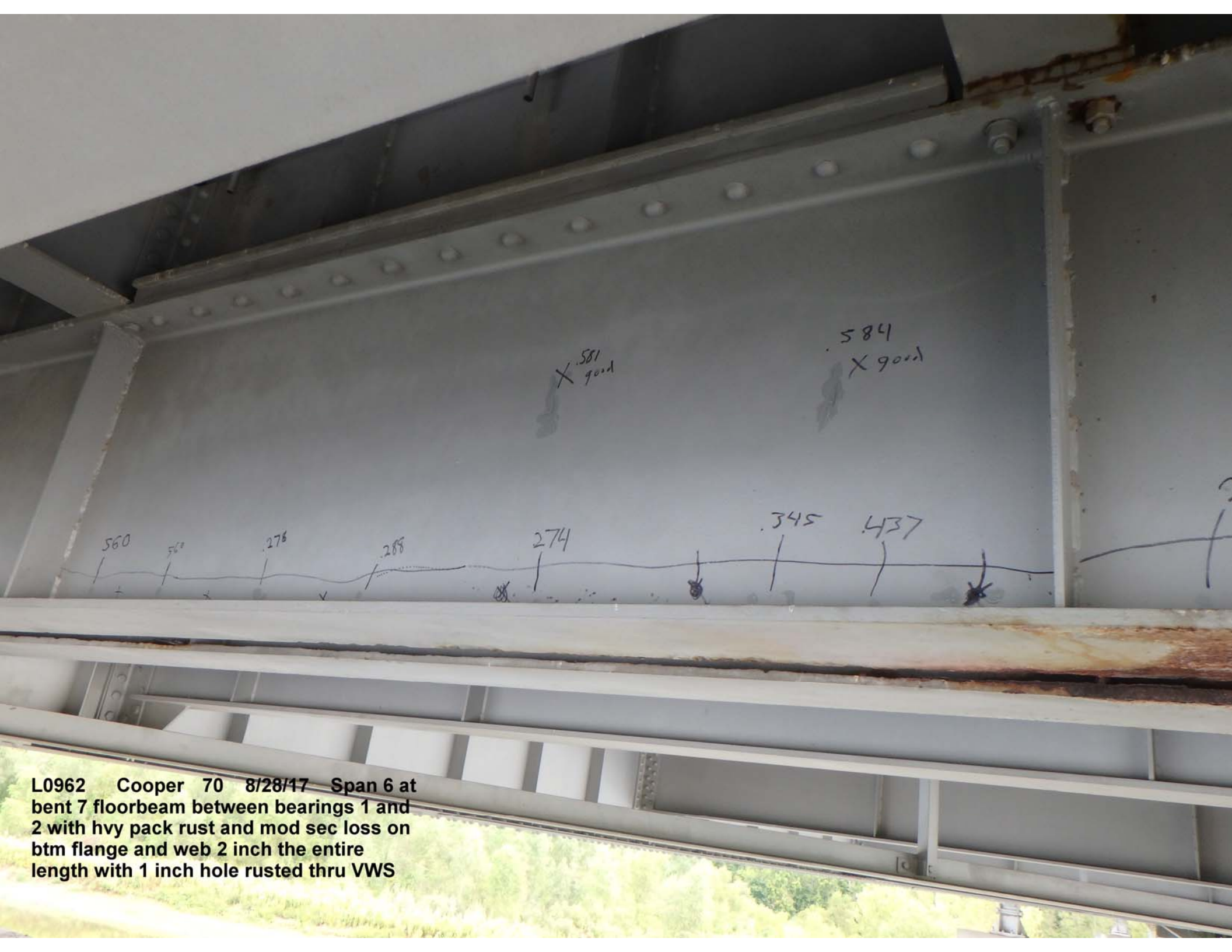


L0962 Cooper 70 8/28/17 Span 6 at
bent 7 bottom flange girder 1 over bearing 2
inch by 4 inch med sec loss 40 percent
remaining





L0962 Cooper 70 8/28/17 Span
6 at bent 7 floorbeam between
bearings 1 and 2 with hvy pack rust
and mod sec loss on btm flange and
web 2 inch the entire length with 1 inch
hole rusted thru VWS



L0962 Cooper 70 8/28/17 Span 6 at bent 7 floorbeam between bearings 1 and 2 with hvy pack rust and mod sec loss on btm flange and web 2 inch the entire length with 1 inch hole rusted thru VWS



**L0962 Cooper 70
8/28/17 Bent 7 west side
capface with hvy spalls rebar
exposed 40 percent
remaining in exposed rebar
hvy map cracks with eff and
rust stains entire cap
delamination and spalling**



L0962 Cooper 70 8/28/17 Bent 4 span
3 floorbeam between girder 1 and 2 web and
bottom flange with hvy pakc rust and sec
loss 3 inch by 15 foot 30 percent remaining



L0962 Cooper 70 8/28/17
Bent 4 east side cap face lrg hvy
delamination throughout lrg spalls
rebar exposed 40 percent remaining
in exposed rebar hvy map cracks
with eff throughout



L0962 Cooper 70 8/28/17 Bent 4
bearing 2 span 3 shifted east with hvy
pack rust and minor sec loss




L0962 Cooper 70
8/28/17 Bent 4 bearing 2 span
3 shifted east with hvy pack
rust and minor sec loss



L0962 Cooper 70 8/28/17
Bent 4 west side entire cap face
hvy delamination open map
cracks lrg spalls rebar exposed
40 percent reminaing in exposed
rebar



L0962 Cooper 70 8/28/17 Span 3
SIP forms at centerline west bound
saturation with eff and rust stains



L0962 Cooper 70 8/28/17 Span 2
SIP forms at centerline west bound with
saturation eff and rust stains

L0962 Cooper 70 8/28/17
Abut 1 hvy vegetation





L0962 Cooper 70 8/28/17 Abut 1 cap face and top of cap with med delamination and back wall with small area of delamination

L0962 Cooper 70
8/28/17 Abut 1 masonry
plates on bearings with hvy
pack rust minor sec loss

