



NATIONAL TRANSPORTATION SAFETY BOARD - **Public Hearing**

Conrail Derailment in Paulsboro, NJ with Vinyl Chloride Release

GROUP	5
EXHIBIT	
C	

Agency / Organization

CONRAIL

Title

**Conrail Bridge Inspection Reports from
2010 - 2012**

MW 203 R5 11-92

Bridge inspection report

CONSOLIDATED RAIL CORPORATION

Pennsgrove Sec.
Mantua CRK

R	D	LINE CODE	T	BRIDGE NUMBER	BR TYP	DK TYP	MILEPOST	TOT #TK	TOT #SP	U S	#TK INS	#SP INS	PAG NUM	INSP NUMBER	DATE		
G	V		P											M	DAY	YR	
10	99	1 2 D		1370	STOP			1	5	S	1	5	1105	5	08	12	
0	0	0 0 0 0 0	C O 0 C O U	0 0 0 0 0	T R O P	0 0 0 0 0	0 0 0 0 0	0 0	0 0	1	0 0	0 0	0 0	0 0	0 0	0 0	
1	1	1 1 1 1 1	D P 1 D P A	1 1 1 1 1	D G L T	1 1 1 1 1	1 1 1 1 1	1 1	1 1	2	1 1	1 1	1 1	1 1	1 1	1 1	
2	2	2 2 2 2 2	E Q 2 E Q B	2 2 2 2 2	I B T B	2 2 2 2 2	2 2 2 2 2	2 2	2 2	3	2 2	2 2	2 2	2 2	2 2	2 2	
3	3	3 3 3 3 3	F R 3 F R D	3 3 3 3 3	S U C S	3 3 3 3 3	3 3 3 3 3	3 3	3 3	4	3 3	3 3	3 3	3 3	3 3	3 3	
4	4	4 4 4 4 4	G S 4 G S L	4 4 4 4 4	B A S G	4 4 4 4 4	4 4 4 4 4	4 4	4 4	5	4 4	4 4	4 4	4 4	4 4	4 4	
5	5	5 5 5 5 5	H T 5 H T R	5 5 5 5 5	C I P A	5 5 5 5 5	5 5 5 5 5	5 5	5 5	6	5 5	5 5	5 5	5 5	5 5	5 5	
6	6	6 6 6 6 6	I U 6 I U S	6 6 6 6 6	P C I	6 6 6 6 6	6 6 6 6 6	6 6	6 6	7	6 6	6 6	6 6	6 6	6 6	6 6	
7	7	7 7 7 7 7	J V 7 J V T	7 7 7 7 7	M P	7 7 7 7 7	7 7 7 7 7	7 7	7 7	S	7 7	7 7	7 7	7 7	7 7	7 7	
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		A M Y A M Y Y			L M					N							
		B N Z B N Z Z				TRACK		C									
						RAIL		W									

ITM	GENERAL	CONDITIONS
1	PAINT (_____ YR) *	0 1 2 3 4 5
2	CLEARANCE SIGNS	1 2 3 4
3	UG CLR (_____)	1 2 3 4
4	LOAD LIMIT (_____ TN)	1 2 3 4
5	FIRE PROTECTION	1 2 3 4
6	ACTION UNDER LOAD	1 2 3 4 5
7	APPROACH TRACK	1 2 3 4 5
8	TRACK ON BRIDGE	1 2 3 4 5
9	CLEANLINESS	1 2 3 4

ITM	STREAM BED	CONDITIONS
10	PAVING	1 2 3 4 5
11	SHEET PILING	1 2 3 4 5
12	SCOUR	1 2 3 4 5
13	RIP RAP	1 2 3 4 5
14	FENDER	1 2 3 4 5

ITM	MASONRY	CONDITIONS
15	ABUT N E	1 2 3 4 5
16	ABUT S W	1 2 3 4 5
17	WINGWALL	1 2 3 4 5
18	BACKWALL	1 2 3 4 5
19	BRIDGE SEAT	1 2 3 4 5
20	PIER	1 2 3 4 5
21	PIER CAP	1 2 3 4 5
22	PEDESTAL	1 2 3 4 5
23	GRILLAGE	1 2 3 4 5
24	ARCHES	1 2 3 4 5
25	SPANDRELS	1 2 3 4 5
26	PARAPETS	1 2 3 4 5
27	POINTING	1 2 3 4 5
28	GUNITE	1 2 3 4 5
29	SLAB	1 2 3 4 5
30	ENCASEMENT CONC	1 2 3 4 5
31	HEADWALL	1 2 3 4 5
32	FOOTING	1 2 3 4 5

CODES	FORM MW205 USED?	FORM MW206 USED?	FORM MW207 USED?	SKETCH MADE?	PHOTOS TAKEN?	*USE PAINT CODES
1 - NEW	Y	Y	Y	Y		ITEM 1
2 - GOOD						
3 - FAIR						
4 - POOR						
5 - CRITICAL						

ITM	BEAMS/TRUSSES	CONDITIONS
33	TOP FL/CHORD	1 2 3 4 5
34	BOT FL/CHORD	1 2 3 4 5
35	BEARING STFN R	1 2 3 4 5
36	WEB/DIAGONAL	1 2 3 4 5
37	HANGERS	1 2 3 4 5
38	COUNTERS	1 2 3 4 5
39	END POSTS	1 2 3 4 5
40	INT POSTS	1 2 3 4 5
41	PINS	1 2 3 4 5
42	CONN PLATES	1 2 3 4 5
43	RIVETS/BOLTS	1 2 3 4 5
44	WELDS	1 2 3 4 5
45	COL/BENTS	1 2 3 4 5
46	TOWERS	1 2 3 4 5
47	SOLE PLATES	1 2 3 4 5
48	MASONRY PLATES	1 2 3 4 5
49	SHOES	1 2 3 4 5
50	ROLLER/ROCKER	1 2 3 4 5
51	SLIDE PLATES	1 2 3 4 5
52	SHIMS	1 2 3 4 5
53	ANCHOR BOLTS	1 2 3 4 5
54	WOOD BLKING	1 2 3 4 5

ITM	TRESTLES	CONDITIONS
55	FOUNDATIONS	1 2 3 4 5
56	BULKHEADS	1 2 3 4 5
57	PILING	1 2 3 4 5
58	SILLS	1 2 3 4 5
59	POSTS	1 2 3 4 5
60	CAPS	1 2 3 4 5
61	CROSS-CAPS	1 2 3 4 5
62	STRINGERS	1 2 3 4 5
63	LAT. BRACING	1 2 3 4 5
64	LONG. BRACING	1 2 3 4 5
65	SHIMS	1 2 3 4 5

RECOMMEND ANNUAL INSP.?	IS BRIDGE CONCEALED?	BRIDGE LIST CHECKED?	ADDITIONAL REMARKS MADE?
Y	Y		Y

SUPERVISOR
DIVN ENGR

ITM	FLOOR SYSTEM	CONDITIONS
66	FLR BM WEB	1 2 3 4 5
67	FLR BM TOP FL	1 2 3 4 5
68	FLR BM BOT FL	1 2 3 4 5
69	FLR BM CONN	1 2 3 4 5
70	STR WEB	1 2 3 4 5
71	STR TOP FLG	1 2 3 4 5
72	STR BOT FLG	1 2 3 4 5
73	STR CONN	1 2 3 4 5
74	STEEL FLOOR	1 2 3 4 5
75	CONCRETE FLOOR	1 2 3 4 5
76	TIMBER FLOOR	1 2 3 4 5
77	ASPHALT FLOOR	1 2 3 4 5
78	WATERPROOFING	1 2 3 4 5
79	TIES (# 162)	1 2 3 4 5
80	TIESPACER	1 2 3 4 5
81	HOOK BOLTS	1 2 3 4 5
82	SPACING BLOCK	1 2 3 4 5
83	GUARDRAIL	1 2 3 4 5
84	DECK HARDWARE	1 2 3 4 5
85	WALK	1 2 3 4
86	RAILING	1 2 3 4
87	DRAINAGE	1 2 3 4 5
88	EXPANSION JOINTS	1 2 3 4 5
89	BALLAST RETAINER	1 2 3 4 5
90	BALLAST SECTION	1 2 3 4 5

ITM	BRACING	CONDITIONS
91	TOP LATERALS	1 2 3 4 5
92	TOP LAT PLATES	1 2 3 4 5
93	BOT LATERALS	1 2 3 4 5
94	BOT LAT PLATES	1 2 3 4 5
95	SWAY FRAMES	1 2 3 4 5
96	DIAPHRAGMS	1 2 3 4 5
97	PORTALS	1 2 3 4 5
98	TOWERS	1 2 3 4 5

IS TRACK IN SERVICE? (N)
IS BRIDGE IN SERVICE? (N)
IS BRIDGE CR MTCE? (N)
IS BRIDGE PART CR MTCE? (Y)

INSPECTOR

Pivot bearing is worn there is a gap of about 1/4" on the back end when the swing span is closed. The bearing seat gusset are cracked and the top lateral intersection plate is reduced very thin. There is a small hole in the girder web next to the bridgetseat gear.

BRIDGE NUMBER 113.70

LINE CODE 9912

COMMENTS		
<p>GENERAL CONDITION</p> <input type="checkbox"/> CLEARANCE SIGNS LOOSE <input type="checkbox"/> LOAD LIMIT SIGNS MISSING <input type="checkbox"/> ONLY ONE LOAD LIMIT SIGN <input type="checkbox"/> LOAD LIMIT SIGNS ILLEGIBLE <input type="checkbox"/> LATERAL MOTION UNDER LOAD <input type="checkbox"/> EXCESSIVE VERTICAL MOTION <input type="checkbox"/> BEARINGS PUMPING <input type="checkbox"/> LOW APPROACHES <input type="checkbox"/> TRACK LINE POOR <input type="checkbox"/> TRACK SURFACE POOR <input type="checkbox"/> RAIL JOINTS POOR <input type="checkbox"/> PAVING BROKEN UP <input type="checkbox"/> WATER FLOWING UNDER PAVING <input type="checkbox"/> NO PAVING <input type="checkbox"/> RUSTY OR DEFORMED SHEETING <input type="checkbox"/> SHEET FILING DESTROYED <input type="checkbox"/> SCOUR UNDER ABUTS OR PIERS <input type="checkbox"/> SCOUR UNDER WINGWALLS <input checked="" type="checkbox"/> RIP RAP NEEDED ALONG BANKS <input type="checkbox"/> RIP RAP NEEDED PIER/ABUTS <input type="checkbox"/> SPECIAL COMMENTS 1	<input type="checkbox"/> GIRDER OR BEAM WEB REDUCED <input type="checkbox"/> HOLES IN WEB OVER BEARING <input type="checkbox"/> HOLES IN WEB ALONG BOT FLG <input type="checkbox"/> DIAGONAL LOOSE ON PINS <input type="checkbox"/> DIAGONAL DAMAGED BY IMPACT <input type="checkbox"/> HANGERS CRACKED AT TOP <input type="checkbox"/> HANGERS CRACKED AT BOTTOM <input type="checkbox"/> HANGERS DAMAGED BY IMPACT <input type="checkbox"/> COUNTERS LOOSE ON PINS <input type="checkbox"/> COUNTERS DAMAGED BY IMPACT <input type="checkbox"/> RIVETS LOOSE OR BROKEN <input type="checkbox"/> RIVET HEADS REDUCED TOP FLG <input type="checkbox"/> RIVET HEADS REDUCED BOT FLG <input type="checkbox"/> PINS LOOSE <input type="checkbox"/> PINS WORN <input type="checkbox"/> NUTS LOOSE OR MISSING <input type="checkbox"/> COLUMNS REDUCED AT BOTTOM <input type="checkbox"/> COLUMNS REDUCED AT TOP <input type="checkbox"/> COLUMNS DAMAGED BY IMPACT <input type="checkbox"/> SOLE PLATES DEFORMED <input type="checkbox"/> SOLE PLATES CRACKED <input type="checkbox"/> MASONRY PLATES DEFORMED <input type="checkbox"/> MASONRY PL WORN INTO B-SEAT <input type="checkbox"/> SHOES WORN INTO MASONRY <input type="checkbox"/> SHOES OUT OF LEVEL <input type="checkbox"/> ROCKERS OUT OF LEVEL <input type="checkbox"/> EXPANSION ROLLERS MISSING <input type="checkbox"/> EXPANSION ROLLERS FROZEN <input type="checkbox"/> SHIMS WORKING OUT <input type="checkbox"/> SHIMS NEEDED <input type="checkbox"/> ANCHOR BOLTS MISSING <input type="checkbox"/> ANCHOR BOLTS BENT <input type="checkbox"/> WOOD BLOCKING NEEDED <input type="checkbox"/> WOOD BLOCKING CRUSHING <input type="checkbox"/> REMOVE DIRT/STONE FROM BRGS <input type="checkbox"/> SPECIAL COMMENTS 4	<input type="checkbox"/> FLOOR BEAM CONN CRACKED <input type="checkbox"/> BOLTS/RIVETS LOOSE/MISSING <input type="checkbox"/> STRINGER WEBS REDUCED <input type="checkbox"/> STRINGER WEBS CRACKED <input type="checkbox"/> HOLES IN STRINGER WEBS <input type="checkbox"/> TOP FLG STR RED/CRACKED <input type="checkbox"/> BOT FLG STR RED/CRACKED <input type="checkbox"/> STRINGER CONN CRACKED <input type="checkbox"/> STR BOLTS/RIVETS MISSING <input type="checkbox"/> WELDS CRACKED <input type="checkbox"/> STEEL FLOOR RED OR CRACKED <input type="checkbox"/> HOLES IN STEEL FLOOR <input type="checkbox"/> CONCRETE FLOOR CRACKED <input type="checkbox"/> CONCRETE FLOOR SPALLED <input type="checkbox"/> BALLAST FALLING THRU <input type="checkbox"/> TIMBER FLOOR SOFT <input type="checkbox"/> TIMBER FLOOR ROTTED <input type="checkbox"/> HOLES IN TIMBER FLOOR <input type="checkbox"/> WATER LEAKING THRU <input type="checkbox"/> TIES SPIKE KILLED <input type="checkbox"/> TIES SPLIT <input type="checkbox"/> TIES PLATE CUT <input type="checkbox"/> SPACE BAR/TIMBER DAMAGED <input type="checkbox"/> HOOK BOLTS BROKEN/MISSING <input type="checkbox"/> GUARD RAILS MISSING <input type="checkbox"/> SOME DECK HARDWARE MISSING <input type="checkbox"/> SOME FOOTWALK MISSING <input type="checkbox"/> SOME HANDRAIL MISSING <input type="checkbox"/> POSTS RUSTED OR BROKEN OFF <input type="checkbox"/> DRAINAGE SYSTEM NOT WORKING <input type="checkbox"/> SPECIAL COMMENTS 6
<p>FENDER SYSTEM</p> <input type="checkbox"/> SHEETING DAMAGED OR MISSING <input type="checkbox"/> WALERS DAMAGED OR MISSING <input type="checkbox"/> PILING DAMAGED OR MISSING <input type="checkbox"/> SPECIAL COMMENTS 2	<p>MASONRY</p> <input type="checkbox"/> ABUTMENTS CRACKED/SPALLED <input type="checkbox"/> ABUTMENTS LEAVING <input type="checkbox"/> ABUTMENTS CRACKS WIDENING <input type="checkbox"/> WINGWALLS CRACKED/SPALLED <input type="checkbox"/> WINGWALL CRACKS WIDENING <input type="checkbox"/> TIMBER B-WALLS DISPLACED <input type="checkbox"/> TIMBER B-WALLS DETERIORATING <input type="checkbox"/> TIMBER B-WALLS UNDERCUT <input type="checkbox"/> PIERS CRACKED OR SPALLED <input type="checkbox"/> PIERS LEANING <input type="checkbox"/> PIER CRACKS WIDENING <input type="checkbox"/> PEDESTALS CRACKED/SPALLED <input type="checkbox"/> ARCHES CRACKED OR SPALLED <input type="checkbox"/> PARAPETS CRACKED/SPALLED <input type="checkbox"/> PARAPETS LEANING <input type="checkbox"/> POINTING NEEDED ARCH RING <input type="checkbox"/> POINTING NEEDED ALONG WALLS <input type="checkbox"/> GUNITE COMING OFF <input type="checkbox"/> SLAB SPALLED STEEL EXPOSED <input type="checkbox"/> SLAB SPALLED STEEL NOT EXPD <input type="checkbox"/> SLAB CRACKED <input type="checkbox"/> SPECIAL COMMENTS 3	<p>STEEL BRACING</p> <input type="checkbox"/> TOP LATERALS REDUCED <input type="checkbox"/> TOP LATERALS BROKEN <input type="checkbox"/> TOP LAT PLS REDUCED <input type="checkbox"/> TOP LAT PLS BROKEN <input type="checkbox"/> BOT LATERALS REDUCED <input type="checkbox"/> BOT LATERALS BROKEN <input type="checkbox"/> BOT LAT PLS REDUCED <input type="checkbox"/> BOT LAT PLS BROKEN <input type="checkbox"/> SWAY FRAMES RED OR CRACKED <input type="checkbox"/> PORTALS DAMAGED OR CRACKED <input type="checkbox"/> TOWER LEGS RED OR CRACKED <input type="checkbox"/> TOWER BRACING REDUCED <input type="checkbox"/> COVERED WITH VEGETATION <input type="checkbox"/> SPECIAL COMMENTS 5
<p>BEAMS OR TRUSSES</p> <input type="checkbox"/> TOP FLG/CHORD RED IN WIDTH <input type="checkbox"/> TOP FLG/CHORD RED IN THICK <input type="checkbox"/> BOT FLG/CHORD RED IN WIDTH <input type="checkbox"/> BOT FLG/CHORD RED IN THICK <input type="checkbox"/> BOT FLG/CHORD CRACKED @ BRG <input type="checkbox"/> BEARING STIFF GONE @ BOTTOM	<p>FLOOR SYSTEM</p> <input type="checkbox"/> FLOOR BEAM WEBS REDUCED <input type="checkbox"/> HOLES IN FLOOR BEAM WEBS <input type="checkbox"/> FLOOR BEAM WEBS CRACKED <input type="checkbox"/> TOP FLG FLBM RED/CRACKED <input type="checkbox"/> BOT FLG FLBM RED/CRACKED	<p>TIMBER TRESTLES</p> <input checked="" type="checkbox"/> TIMBER BULKHEADS ROTTED <input type="checkbox"/> TIMBER BULKHEADS UNDERCUT <input type="checkbox"/> PILING HOLLOW <input type="checkbox"/> PILING SPLIT <input type="checkbox"/> SILLS ROTTED & CRUSHING <input type="checkbox"/> POSTS ROTTED <input type="checkbox"/> CAPS CRUSHING <input type="checkbox"/> CAPS SPLIT <input type="checkbox"/> CAPS HOLLOW <input type="checkbox"/> STRINGER CRUSHING <input type="checkbox"/> STRINGER SPLIT <input type="checkbox"/> HELPER STRINGER INSTALLED <input type="checkbox"/> SPECIAL COMMENTS 7
		<p>TIMBER BRACING</p> <input type="checkbox"/> BRACING SPLIT OR LOOSE <input type="checkbox"/> BRACING MISSING OR BROKEN <input type="checkbox"/> ADDITIONAL BRACING REQUIRED <input type="checkbox"/> LONG BRACING SPLIT OR LOOSE <input type="checkbox"/> LONG BRACING GONE OR BROKEN <input type="checkbox"/> ADDITIONAL LONG BRACE REQ'D <input type="checkbox"/> MUD SILLS ROTTED & CRUSHING <input checked="" type="checkbox"/> SPECIAL COMMENTS 8 <input type="checkbox"/> SPECIAL COMMENTS 9 <input type="checkbox"/> SPECIAL COMMENTS 10 <input type="checkbox"/> SPECIAL COMMENTS 11

The pivot bearing is worn, and there is a gap of a 1/4" on the back end when the swing span is closed. The top lateral intersection plate is reduced very thin. There is a small hole in the girder web next to the swing span cam.

BRIDGE NUMBER

113.170

LINE CODE

9912

COMMENTS		
<p>GENERAL CONDITION</p> <input type="checkbox"/> CLEARANCE SIGNS LOOSE <input type="checkbox"/> LOAD LIMIT SIGNS MISSING <input type="checkbox"/> ONLY ONE LOAD LIMIT SIGN <input type="checkbox"/> LOAD LIMIT SIGNS ILLEGIBLE <input type="checkbox"/> LATERAL MOTION UNDER LOAD <input type="checkbox"/> EXCESSIVE VERTICAL MOTION <input type="checkbox"/> BEARINGS PUMPING <input type="checkbox"/> LOW APPROACHES <input type="checkbox"/> TRACK LINE POOR <input type="checkbox"/> TRACK SURFACE POOR <input type="checkbox"/> RAIL JOINTS POOR <input type="checkbox"/> PAVING BROKEN UP <input type="checkbox"/> WATER FLOWING UNDER PAVING <input type="checkbox"/> NO PAVING <input type="checkbox"/> RUSTY OR DEFORMED SHEETING <input type="checkbox"/> SHEET FILING DESTROYED <input type="checkbox"/> SCOUR UNDER ABUTS OR PIERS <input type="checkbox"/> SCOUR UNDER WINGWALLS <input checked="" type="checkbox"/> RIP RAP NEEDED ALONG BANKS <input type="checkbox"/> RIP RAP NEEDED PIER/ABUTS <input type="checkbox"/> SPECIAL COMMENTS 1	<input type="checkbox"/> GIRDER OR BEAM WEB REDUCED <input type="checkbox"/> HOLES IN WEB OVER BEARING <input type="checkbox"/> HOLES IN WEB ALONG BOT FLG <input type="checkbox"/> DIAGONAL LOOSE ON PINS <input type="checkbox"/> DIAGONAL DAMAGED BY IMPACT <input type="checkbox"/> HANGERS CRACKED AT TOP <input type="checkbox"/> HANGERS CRACKED AT BOTTOM <input type="checkbox"/> HANGERS DAMAGED BY IMPACT <input type="checkbox"/> COUNTERS LOOSE ON PINS <input type="checkbox"/> COUNTERS DAMAGED BY IMPACT <input type="checkbox"/> RIVETS LOOSE OR BROKEN <input type="checkbox"/> RIVET HEADS REDUCED TOP FLG <input type="checkbox"/> RIVET HEADS REDUCED BOT FLG <input type="checkbox"/> PINS LOOSE <input type="checkbox"/> PINS WORN <input type="checkbox"/> NUTS LOOSE OR MISSING <input type="checkbox"/> COLUMNS REDUCED AT BOTTOM <input type="checkbox"/> COLUMNS REDUCED AT TOP <input type="checkbox"/> COLUMNS DAMAGED BY IMPACT <input type="checkbox"/> SOLE PLATES DEFORMED <input type="checkbox"/> SOLE PLATES CRACKED <input type="checkbox"/> MASONRY PLATES DEFORMED <input type="checkbox"/> MASONRY PL WORN INTO B-SEAT <input type="checkbox"/> SHOES WORN INTO MASONRY <input type="checkbox"/> SHOES OUT OF LEVEL <input type="checkbox"/> ROCKERS OUT OF LEVEL <input type="checkbox"/> EXPANSION ROLLERS MISSING <input type="checkbox"/> EXPANSION ROLLERS FROZEN <input type="checkbox"/> SHIMS WORKING OUT <input type="checkbox"/> SHIMS NEEDED <input type="checkbox"/> ANCHOR BOLTS MISSING <input type="checkbox"/> ANCHOR BOLTS BENT <input type="checkbox"/> WOOD BLOCKING NEEDED <input type="checkbox"/> WOOD BLOCKING CRUSHING <input type="checkbox"/> REMOVE DIRT/STONE FROM BRGS <input type="checkbox"/> SPECIAL COMMENTS 4	<input type="checkbox"/> FLOOR BEAM CONN CRACKED <input type="checkbox"/> BOLTS/RIVETS LOOSE/MISSING <input type="checkbox"/> STRINGER WEBS REDUCED <input type="checkbox"/> STRINGER WEBS CRACKED <input type="checkbox"/> HOLES IN STRINGER WEBS <input type="checkbox"/> TOP FLG STR RED/CRACKED <input type="checkbox"/> BOT FLG STR RED/CRACKED <input type="checkbox"/> STRINGER CONN CRACKED <input type="checkbox"/> STR BOLTS/RIVETS MISSING <input type="checkbox"/> WELDS CRACKED <input type="checkbox"/> STEEL FLOOR RED OR CRACKED <input type="checkbox"/> HOLES IN STEEL FLOOR <input type="checkbox"/> CONCRETE FLOOR CRACKED <input type="checkbox"/> CONCRETE FLOOR SPALLED <input type="checkbox"/> BALLAST FALLING THRU <input type="checkbox"/> TIMBER FLOOR SOFT <input type="checkbox"/> TIMBER FLOOR ROTTED <input type="checkbox"/> HOLES IN TIMBER FLOOR <input type="checkbox"/> WATER LEAKING THRU <input type="checkbox"/> TIES SPIKE KILLED <input type="checkbox"/> TIES SPLIT <input type="checkbox"/> TIES PLATE CUT <input type="checkbox"/> SPACE BAR/TIMBER DAMAGED <input type="checkbox"/> HOOK BOLTS BROKEN/MISSING <input type="checkbox"/> GUARD RAILS MISSING <input type="checkbox"/> SOME DECK HARDWARE MISSING <input type="checkbox"/> SOME FOOTWALK MISSING <input type="checkbox"/> SOME HANDRAIL MISSING <input type="checkbox"/> POSTS RUSTED OR BROKEN OFF <input type="checkbox"/> DRAINAGE SYSTEM NOT WORKING <input type="checkbox"/> SPECIAL COMMENTS 6
<p>FENDER SYSTEM</p> <input type="checkbox"/> SHEETING DAMAGED OR MISSING <input type="checkbox"/> WALERS DAMAGED OR MISSING <input type="checkbox"/> PILING DAMAGED OR MISSING <input type="checkbox"/> SPECIAL COMMENTS 2	<input type="checkbox"/> EXPANSION ROLLERS MISSING <input type="checkbox"/> EXPANSION ROLLERS FROZEN <input type="checkbox"/> SHIMS WORKING OUT <input type="checkbox"/> SHIMS NEEDED <input type="checkbox"/> ANCHOR BOLTS MISSING <input type="checkbox"/> ANCHOR BOLTS BENT <input type="checkbox"/> WOOD BLOCKING NEEDED <input type="checkbox"/> WOOD BLOCKING CRUSHING <input type="checkbox"/> REMOVE DIRT/STONE FROM BRGS <input type="checkbox"/> SPECIAL COMMENTS 4	<p>TIMBER TRESTLES</p> <input checked="" type="checkbox"/> TIMBER BULKHEADS ROTTED <input type="checkbox"/> TIMBER BULKHEADS UNDERCUT <input type="checkbox"/> PILING HOLLOW <input type="checkbox"/> PILING SPLIT <input type="checkbox"/> SILLS ROTTED & CRUSHING <input type="checkbox"/> POSTS ROTTED <input type="checkbox"/> CAPS CRUSHING <input type="checkbox"/> CAPS SPLIT <input type="checkbox"/> CAPS HOLLOW <input type="checkbox"/> STRINGER CRUSHING <input type="checkbox"/> STRINGER SPLIT <input type="checkbox"/> HELPER STRINGER INSTALLED <input type="checkbox"/> SPECIAL COMMENTS 7
<p>MASONRY</p> <input type="checkbox"/> ABUTMENTS CRACKED/SPALLED <input type="checkbox"/> ABUTMENTS LEAVING <input type="checkbox"/> ABUTMENTS CRACKS WIDENING <input type="checkbox"/> WINGWALLS CRACKED/SPALLED <input type="checkbox"/> WINGWALL CRACKS WIDENING <input type="checkbox"/> TIMBER B-WALLS DISPLACED <input type="checkbox"/> TIMBER B-WALLS DETERIORATING <input type="checkbox"/> TIMBER B-WALLS UNDERCUT <input type="checkbox"/> PIERS CRACKED OR SPALLED <input type="checkbox"/> PIERS LEANING <input type="checkbox"/> PIER CRACKS WIDENING <input type="checkbox"/> PEDESTALS CRACKED/SPALLED <input type="checkbox"/> ARCHES CRACKED OR SPALLED <input type="checkbox"/> PARAPETS CRACKED/SPALLED <input type="checkbox"/> PARAPETS LEANING <input type="checkbox"/> POINTING NEEDED ARCH RING <input type="checkbox"/> POINTING NEEDED ALONG WALLS <input type="checkbox"/> GUNITE COMING OFF <input type="checkbox"/> SLAB SPALLED STEEL EXPOSED <input type="checkbox"/> SLAB SPALLED STEEL NOT EXPD <input type="checkbox"/> SLAB CRACKED <input type="checkbox"/> SPECIAL COMMENTS 3	<p>STEEL BRACING</p> <input type="checkbox"/> TOP LATERALS REDUCED <input type="checkbox"/> TOP LATERALS BROKEN <input type="checkbox"/> TOP LAT PLS REDUCED <input type="checkbox"/> TOP LAT PLS BROKEN <input type="checkbox"/> BOT LATERALS REDUCED <input type="checkbox"/> BOT LATERALS BROKEN <input type="checkbox"/> BOT LAT PLS REDUCED <input type="checkbox"/> BOT LAT PLS BROKEN <input type="checkbox"/> SWAY FRAMES RED OR CRACKED <input type="checkbox"/> PORTALS DAMAGED OR CRACKED <input type="checkbox"/> TOWER LEGS RED OR CRACKED <input type="checkbox"/> TOWER BRACING REDUCED <input type="checkbox"/> COVERED WITH VEGETATION <input type="checkbox"/> SPECIAL COMMENTS 5	<p>TIMBER BRACING</p> <input type="checkbox"/> BRACING SPLIT OR LOOSE <input type="checkbox"/> BRACING MISSING OR BROKEN <input type="checkbox"/> ADDITIONAL BRACING REQUIRED <input type="checkbox"/> LONG BRACING SPLIT OR LOOSE <input type="checkbox"/> LONG BRACING GONE OR BROKEN <input type="checkbox"/> ADDITIONAL LONG BRACE REQ'D <input type="checkbox"/> MUD SILLS ROTTED & CRUSHING <input checked="" type="checkbox"/> SPECIAL COMMENTS 8 <input type="checkbox"/> SPECIAL COMMENTS 9 <input type="checkbox"/> SPECIAL COMMENTS 10 <input type="checkbox"/> SPECIAL COMMENTS 11
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CONSOLIDATED RAIL CORPORATION

Pennsgrove Sec.
Mantua Creek

MW 203 R5 11-92

Bridge inspection report

Table with columns: RG, DV, LINE CODE, TP, BRIDGE NUMBER, BR TYP, DK TYP, MILEPOST, TOT #TK, TOT #SP, U S, #TK INS, #SP INS, PAG NUM, INSP NUMBER, DATE (M, DAY, YR). Includes handwritten entries like 1099, 1, 2, 4, 1370, STOP, 1, 5, 110560111.

Table with columns: ITEM, GENERAL, CONDITIONS, BEAMS/TRUSSES, CONDITIONS, FLOOR SYSTEM, CONDITIONS. Contains inspection items 1-98 with condition ratings (1-5) and checkboxes.

Summary section with checkboxes for: FORM MW205 USED?, FORM MW206 USED?, FORM MW207 USED?, SKETCH MADE?, PHOTOS TAKEN?, *USE PAINT CODES ITEM 1, RECOMMEND ANNUAL INSP.?, IS BRIDGE CONCEALED?, BRIDGE LIST CHECKED?, ADDITIONAL REMARKS MADE?, SUPERVISOR, DIVN ENGR, IS TRACK IN SERVICE?, IS BRIDGE IN SERVICE?, IS BRIDGE CR MTCE?, IS BRIDGE PART CR MTCE?, INSPECTOR.

Pivot bearing is worn there is a gap of about $\frac{1}{4}$ ". The jackets were finished since my last inspection 11-10-10. The bulkheads are deteriorated. There is a small hole in the girder web next to the bridge seat gear.

BRIDGE NUMBER 113.710

LINE CODE 9912

COMMENTS		
GENERAL CONDITION		
<input type="checkbox"/> CLEARANCE SIGNS LOOSE	<input type="checkbox"/> GIRDER OR BEAM WEB REDUCED	<input type="checkbox"/> FLOOR BEAM CONN CRACKED
<input type="checkbox"/> LOAD LIMIT SIGNS MISSING	<input type="checkbox"/> HOLES IN WEB OVER BEARING	<input type="checkbox"/> BOLTS/RIVETS LOOSE/MISSING
<input type="checkbox"/> ONLY ONE LOAD LIMIT SIGN	<input type="checkbox"/> HOLES IN WEB ALONG BOT FLG	<input type="checkbox"/> STRINGER WEBS REDUCED
<input type="checkbox"/> LOAD LIMIT SIGNS ILLEGIBLE	<input type="checkbox"/> DIAGONAL LOOSE ON PINS	<input type="checkbox"/> STRINGER WEBS CRACKED
<input type="checkbox"/> LATERAL MOTION UNDER LOAD	<input type="checkbox"/> DIAGONAL DAMAGED BY IMPACT	<input type="checkbox"/> HOLES IN STRINGER WEBS
<input type="checkbox"/> EXCESSIVE VERTICAL MOTION	<input type="checkbox"/> HANGERS CRACKED AT TOP	<input type="checkbox"/> TOP FLG STR RED/CRACKED
<input type="checkbox"/> BEARINGS PUMPING	<input type="checkbox"/> HANGERS CRACKED AT BOTTOM	<input type="checkbox"/> BOT FLG STR RED/CRACKED
<input type="checkbox"/> LOW APPROACHES	<input type="checkbox"/> HANGERS DAMAGED BY IMPACT	<input type="checkbox"/> STRINGER CONN CRACKED
<input type="checkbox"/> TRACK LINE POOR	<input type="checkbox"/> COUNTERS LOOSE ON PINS	<input type="checkbox"/> STR BOLTS/RIVETS MISSING
<input type="checkbox"/> TRACK SURFACE POOR	<input type="checkbox"/> COUNTERS DAMAGED BY IMPACT	<input type="checkbox"/> WELDS CRACKED
<input type="checkbox"/> RAIL JOINTS POOR	<input type="checkbox"/> RIVETS LOOSE OR BROKEN	<input type="checkbox"/> STEEL FLOOR RED OR CRACKED
<input type="checkbox"/> PAVING BROKEN UP	<input type="checkbox"/> RIVET HEADS REDUCED TOP FLG	<input type="checkbox"/> HOLES IN STEEL FLOOR
<input type="checkbox"/> WATER FLOWING UNDER PAVING	<input type="checkbox"/> RIVET HEADS REDUCED BOT FLG	<input type="checkbox"/> CONCRETE FLOOR CRACKED
<input type="checkbox"/> NO PAVING	<input type="checkbox"/> PINS LOOSE	<input type="checkbox"/> CONCRETE FLOOR SPALLED
<input type="checkbox"/> RUSTY OR DEFORMED SHEETING	<input type="checkbox"/> PINS WORN	<input type="checkbox"/> BALLAST FALLING THRU
<input type="checkbox"/> SHEET FILING DESTROYED	<input type="checkbox"/> NUTS LOOSE OR MISSING	<input type="checkbox"/> TIMBER FLOOR SOFT
<input type="checkbox"/> SCOUR UNDER ABUTS OR PIERS	<input type="checkbox"/> COLUMNS REDUCED AT BOTTOM	<input type="checkbox"/> TIMBER FLOOR ROTTED
<input type="checkbox"/> SCOUR UNDER WINGWALLS	<input type="checkbox"/> COLUMNS REDUCED AT TOP	<input type="checkbox"/> HOLES IN TIMBER FLOOR
<input checked="" type="checkbox"/> RIP RAP NEEDED ALONG BANKS	<input type="checkbox"/> COLUMNS DAMAGED BY IMPACT	<input type="checkbox"/> WATER LEAKING THRU
<input type="checkbox"/> RIP RAP NEEDED PIER/ABUTS	<input type="checkbox"/> SOLE PLATES DEFORMED	<input type="checkbox"/> TIES SPIKE KILLED
<input type="checkbox"/> SPECIAL COMMENTS 1	<input type="checkbox"/> SOLE PLATES CRACKED	<input type="checkbox"/> TIES SPLIT
FENDER SYSTEM		
<input type="checkbox"/> SHEETING DAMAGED OR MISSING	<input type="checkbox"/> MASONRY PLATES DEFORMED	<input type="checkbox"/> TIES PLATE CUT
<input type="checkbox"/> WALERS DAMAGED OR MISSING	<input type="checkbox"/> MASONRY PL WORN INTO B-SEAT	<input type="checkbox"/> SPACE BAR/TIMBER DAMAGED
<input type="checkbox"/> PILING DAMAGED OR MISSING	<input type="checkbox"/> SHOES WORN INTO MASONRY	<input type="checkbox"/> HOOK BOLTS BROKEN/MISSING
<input type="checkbox"/> SPECIAL COMMENTS 2	<input type="checkbox"/> SHOES OUT OF LEVEL	<input type="checkbox"/> GUARD RAILS MISSING
MASONRY		
<input type="checkbox"/> ABUTMENTS CRACKED/SPALLED	<input type="checkbox"/> ROCKERS OUT OF LEVEL	<input type="checkbox"/> SOME DECK HARDWARE MISSING
<input type="checkbox"/> ABUTMENTS LEAVING	<input type="checkbox"/> EXPANSION ROLLERS MISSING	<input type="checkbox"/> SOME FOOTWALK MISSING
<input type="checkbox"/> ABUTMENTS CRACKS WIDENING	<input type="checkbox"/> EXPANSION ROLLERS FROZEN	<input type="checkbox"/> SOME HANDRAIL MISSING
<input type="checkbox"/> WINGWALLS CRACKED/SPALLED	<input type="checkbox"/> SHIMS WORKING OUT	<input type="checkbox"/> POSTS RUSTED OR BROKEN OFF
<input type="checkbox"/> WINGWALL CRACKS WIDENING	<input type="checkbox"/> SHIMS NEEDED	<input type="checkbox"/> DRAINAGE SYSTEM NOT WORKING
<input type="checkbox"/> TIMBER B-WALLS DISPLACED	<input type="checkbox"/> ANCHOR BOLTS MISSING	<input type="checkbox"/> SPECIAL COMMENTS 6
<input type="checkbox"/> TIMBER B-WALLS DETERIORATING	<input type="checkbox"/> ANCHOR BOLTS BENT	TIMBER TRESTLES
<input type="checkbox"/> TIMBER B-WALLS UNDERCUT	<input type="checkbox"/> WOOD BLOCKING NEEDED	<input checked="" type="checkbox"/> TIMBER BULKHEADS ROTTED
<input type="checkbox"/> PIERS CRACKED OR SPALLED	<input type="checkbox"/> WOOD BLOCKING CRUSHING	<input type="checkbox"/> TIMBER BULKHEADS UNDERCUT
<input type="checkbox"/> PIERS LEANING	<input type="checkbox"/> REMOVE DIRT/STONE FROM BRGS	<input type="checkbox"/> PILING HOLLOW
<input type="checkbox"/> PIER CRACKS WIDENING	<input type="checkbox"/> SPECIAL COMMENTS 4	<input type="checkbox"/> PILING SPLIT
<input type="checkbox"/> PEDESTALS CRACKED/SPALLED	STEEL BRACING	
<input type="checkbox"/> ARCHES CRACKED OR SPALLED	<input type="checkbox"/> TOP LATERALS REDUCED	<input type="checkbox"/> SILLS ROTTED & CRUSHING
<input type="checkbox"/> PARAPETS CRACKED/SPALLED	<input type="checkbox"/> TOP LATERALS BROKEN	<input type="checkbox"/> POSTS ROTTED
<input type="checkbox"/> PARAPETS LEANING	<input type="checkbox"/> TOP LAT PLS REDUCED	<input type="checkbox"/> CAPS CRUSHING
<input type="checkbox"/> POINTING NEEDED ARCH RING	<input type="checkbox"/> TOP LAT PLS BROKEN	<input type="checkbox"/> CAPS SPLIT
<input type="checkbox"/> POINTING NEEDED ALONG WALLS	<input type="checkbox"/> BOT LATERALS REDUCED	<input type="checkbox"/> CAPS HOLLOW
<input type="checkbox"/> GUNITE COMING OFF	<input type="checkbox"/> BOT LATERALS BROKEN	<input type="checkbox"/> STRINGER CRUSHING
<input type="checkbox"/> SLAB SPALLED STEEL EXPOSED	<input type="checkbox"/> BOT LAT PLS REDUCED	<input type="checkbox"/> STRINGER SPLIT
<input type="checkbox"/> SLAB SPALLED STEEL NOT EXPD	<input type="checkbox"/> BOT LAT PLS BROKEN	<input type="checkbox"/> HELPER STRINGER INSTALLED
<input type="checkbox"/> SLAB CRACKED	<input type="checkbox"/> SWAY FRAMES RED OR CRACKED	<input type="checkbox"/> SPECIAL COMMENTS 7
<input type="checkbox"/> SPECIAL COMMENTS 3	<input type="checkbox"/> PORTALS DAMAGED OR CRACKED	TIMBER BRACING
BEAMS OR TRUSSES		
<input type="checkbox"/> TOP FLG/CHORD RED IN WIDTH	<input type="checkbox"/> TOWER LEGS RED OR CRACKED	<input type="checkbox"/> BRACING SPLIT OR LOOSE
<input type="checkbox"/> TOP FLG/CHORD RED IN THICK	<input type="checkbox"/> TOWER BRACING REDUCED	<input type="checkbox"/> BRACING MISSING OR BROKEN
<input type="checkbox"/> BOT FLG/CHORD RED IN WIDTH	<input type="checkbox"/> COVERED WITH VEGETATION	<input type="checkbox"/> ADDITIONAL BRACING REQ JIRED
<input type="checkbox"/> BOT FLG/CHORD RED IN THICK	<input type="checkbox"/> SPECIAL COMMENTS 5	<input type="checkbox"/> LONG BRACING SPLIT OR LOOSE
<input type="checkbox"/> BOT FLG/CHORD CRACKED @ BRG	FLOOR SYSTEM	
<input type="checkbox"/> BEARING STIFF GONE @ BOTTOM	<input type="checkbox"/> FLOOR BEAM WEBS REDUCED	<input type="checkbox"/> LONG BRACING GONE OR BROKEN
	<input type="checkbox"/> HOLES IN FLOOR BEAM WEBS	<input type="checkbox"/> ADDITIONAL LONG BRACE REQ'D
	<input type="checkbox"/> FLOOR BEAM WEBS CRACKED	<input type="checkbox"/> MUD SILLS ROTTED & CRUSHING
	<input type="checkbox"/> TOP FLG FLBM RED/CRACKED	<input checked="" type="checkbox"/> SPECIAL COMMENTS 8
	<input type="checkbox"/> BOT FLG FLBM RED/CRACKED	<input type="checkbox"/> SPECIAL COMMENTS 9
		<input type="checkbox"/> SPECIAL COMMENTS 10
		<input type="checkbox"/> SPECIAL COMMENTS 11

MW 203 R5 11-92

CONSOLIDATED RAIL CORPORATION

Pennsgrove Sec.
Mantua Creek

Bridge inspection report

RG	DV	LINE CODE		TP	BRIDGE NUMBER		BR TYP	DK TYP	MILEPOST	TOT #TK	TOT #SP	US	#TK INS	#SP INS	PAG NUM	INSP NUMBER	DATE					
																	M	DAY	YR			
1099	1	2	4		1370		STOP			1	58		1	5	1105	1130	11					
0	0	0	0	0	C	O	0	C	O	U	0	0	0	0	0	0	0	1	0	0	0	0
1	1	1	1	1	D	P	1	D	P	A	1	1	1	1	1	1	1	2	1	1	1	1
2	2	2	2	2	E	O	2	E	O	B	2	2	2	2	2	2	2	3	2	2	2	2
3	3	3	3	3	F	R	3	F	R	D	3	3	3	3	3	3	3	4	3	3		3
4	4	4	4	4	G	S	4	G	S	L	4	4	4	4	4	4	4	5		4		4
5	5	5	5	5	H	T	5	H	T	R	5	5	5	5	5	5	5	6		5		5
6	6	6	6	6	I	U	6	I	U	S	6	6	6	6	6	6	6	7		6		6
7	7	7	7	7	J	V	7	J	V	T	7	7	7	7	7	7	7	8		7		7
8	8	8	8	8	K	W	8	K	W	W	8	8	8	8	8	8	8	9		8		8
9	9	9	9	9	L	X	9	L	X	X	9	9	9	9	9	9	9	10		9		9
					A	M	Y	A	M	Y	Y							11				
					B	N	Z	B	N	Z	Z							12				

ITM	GENERAL	CONDITIONS
1	PAINT (_____ YR) *	0 1 2 3 4 5
2	CLEARANCE SIGNS	1 2 3 4
3	UG CLR (_____)	1 2 3 4
4	LOAD LIMIT (_____ TN)	1 2 3 4
5	FIRE PROTECTION	1 2 3 4
6	ACTION UNDER LOAD	1 2 3 4 5
7	APPROACH TRACK	1 2 3 4 5
8	TRACK ON BRIDGE	1 2 3 4 5
9	CLEANLINESS	1 2 3 4
STREAM BED		
10	PAVING	1 2 3 4 5
11	SHEET PILING	1 2 3 4 5
12	SCOUR	1 2 3 4 5
13	RIP RAP	1 2 3 4 5
14	FENDER	1 2 3 4 5
MASONRY		
15	ABUT N E (C S)	1 2 3 4 5
16	ABUT S W (C S)	1 2 3 4 5
17	WINGWALL (M T C S)	1 2 3 4 5
18	BACKWALL (M T S)	1 2 3 4 5
19	BRIDGE SEAT (C S)	1 2 3 4 5
20	PIER	1 2 3 4 5
21	PIER CAP	1 2 3 4 5
22	PEDESTAL	1 2 3 4 5
23	GRILLAGE	1 2 3 4 5
24	ARCHES	1 2 3 4 5
25	SPANDRELS	1 2 3 4 5
26	PARAPETS	1 2 3 4 5
27	POINTING	1 2 3 4 5
28	GUNITE	1 2 3 4 5
29	SLAB	1 2 3 4 5
30	ENCASEMENT CONC	1 2 3 4 5
31	HEADWALL	1 2 3 4 5
32	FOOTING	1 2 3 4 5
CODES		
1 - NEW	FORM MW205 USED?	Y
2 - GOOD	FORM MW206 USED?	Y
3 - FAIR	FORM MW207 USED?	Y
4 - POOR	SKETCH MADE?	Y
5 - CRITICAL	PHOTOS TAKEN?	
	*USE PAINT CODES	
	ITEM 1	

ITM	BEAMS/TRUSSES	CONDITIONS
33	TOP FL/CHORD	1 2 3 4 5
34	BOT FL/CHORD	1 2 3 4 5
35	BEARING STFNR	1 2 3 4 5
36	WEB/DIAGONAL	1 2 3 4 5
37	HANGERS	1 2 3 4 5
38	COUNTERS	1 2 3 4 5
39	END POSTS	1 2 3 4 5
40	INT POSTS	1 2 3 4 5
41	PINS	1 2 3 4 5
42	CONN PLATES	1 2 3 4 5
43	RIVETS/BOLTS	1 2 3 4 5
44	WELDS	1 2 3 4 5
45	COL/BENTS	1 2 3 4 5
46	TOWERS	1 2 3 4 5
47	SOLE PLATES	1 2 3 4 5
48	MASONRY PLATES	1 2 3 4 5
49	SHOES	1 2 3 4 5
50	ROLLER/ROCKER	1 2 3 4 5
51	SLIDE PLATES	1 2 3 4 5
52	SHIMS	1 2 3 4 5
53	ANCHOR BOLTS	1 2 3 4 5
54	WOOD BLKING	1 2 3 4 5
TRESTLES		
55	FOUNDATIONS	1 2 3 4 5
56	BULKHEADS	1 2 3 4 5
57	PILING	1 2 3 4 5
58	SILLS	1 2 3 4 5
59	POSTS	1 2 3 4 5
60	CAPS	1 2 3 4 5
61	CROSS-CAPS	1 2 3 4 5
62	STRINGERS	1 2 3 4 5
63	LAT. BRACING	1 2 3 4 5
64	LONG. BRACING	1 2 3 4 5
65	SHIMS	1 2 3 4 5
RECOMMEND ANNUAL INSP.?		
IS BRIDGE CONCEALED? Y		
BRIDGE LIST CHECKED? Y		
ADDITIONAL REMARKS MADE? Y		
SUPERVISOR <i>[Signature]</i>		
DIVN ENGR <i>[Signature]</i>		

ITM	FLOOR SYSTEM	CONDITIONS
66	FLR BM WEB	1 2 3 4 5
67	FLR BM TOP FL	1 2 3 4 5
68	FLR BM BOT FL	1 2 3 4 5
69	FLR BM CONN	1 2 3 4 5
70	STR WEB	1 2 3 4 5
71	STR TOP FLG	1 2 3 4 5
72	STR BOT FLG	1 2 3 4 5
73	STR CONN	1 2 3 4 5
74	STEEL FLOOR	1 2 3 4 5
75	CONCRETE FLOOR	1 2 3 4 5
76	TIMBER FLOOR	1 2 3 4 5
77	ASPHALT FLOOR	1 2 3 4 5
78	WATERPROOFING	1 2 3 4 5
79	TIES (# <u>162</u>)	1 2 3 4 5
80	TIESPACER	1 2 3 4 5
81	HOOK BOLTS	1 2 3 4 5
82	SPACING BLOCK	1 2 3 4 5
83	GUARDRAIL	1 2 3 4 5
84	DECK HARDWARE	1 2 3 4 5
85	WALK (C T S)	1 2 3 4
86	RAILING (T S A)	1 2 3 4
87	DRAINAGE	1 2 3 4 5
88	EXPANSION JOINTS	1 2 3 4 5
89	BALLAST RETAINER	1 2 3 4 5
90	BALLAST SECTION	1 2 3 4 5
BRACING		
91	TOP LATERALS	1 2 3 4 5
92	TOP LAT PLATES	1 2 3 4 5
93	BOT LATERALS	1 2 3 4 5
94	BOT LAT PLATES	1 2 3 4 5
95	SWAY FRAMES	1 2 3 4 5
96	DIAPHRAGMS	1 2 3 4 5
97	PORTALS	1 2 3 4 5
98	TOWERS	1 2 3 4 5
IS TRACK IN SERVICE?		
IS BRIDGE IN SERVICE? N		
IS BRIDGE CR MTCE? N		
IS BRIDGE PART CR MTCE? Y		
INSPECTOR <i>[Signature]</i>		

Pivot bearing is worn there is a gap of about 1/4". There is a small hole in the girder web next to the bridge seat gear. The bearing seat gusset are cracked

BRIDGE NUMBER 113.70

LINE CODE 9912

COMMENTS		
<p>GENERAL CONDITION</p> <p><input type="checkbox"/> CLEARANCE SIGNS LOOSE</p> <p><input type="checkbox"/> LOAD LIMIT SIGNS MISSING</p> <p><input type="checkbox"/> ONLY ONE LOAD LIMIT SIGN</p> <p><input type="checkbox"/> LOAD LIMIT SIGNS ILLEGIBLE</p> <p><input type="checkbox"/> LATERAL MOTION UNDER LOAD</p> <p><input type="checkbox"/> EXCESSIVE VERTICAL MOTION</p> <p><input type="checkbox"/> BEARINGS PUMPING</p> <p><input type="checkbox"/> LOW APPROACHES</p> <p><input type="checkbox"/> TRACK LINE POOR</p> <p><input type="checkbox"/> TRACK SURFACE POOR</p> <p><input type="checkbox"/> RAIL JOINTS POOR</p> <p><input type="checkbox"/> PAVING BROKEN UP</p> <p><input type="checkbox"/> WATER FLOWING UNDER PAVING</p> <p><input type="checkbox"/> NO PAVING</p> <p><input type="checkbox"/> RUSTY OR DEFORMED SHEETING</p> <p><input type="checkbox"/> SHEET FILING DESTROYED</p> <p><input type="checkbox"/> SCOUR UNDER ABUTS OR PIERS</p> <p><input type="checkbox"/> SCOUR UNDER WINGWALLS</p> <p><input checked="" type="checkbox"/> RIP RAP NEEDED ALONG BANKS</p> <p><input type="checkbox"/> RIP RAP NEEDED PIER/ABUTS</p> <p><input type="checkbox"/> SPECIAL COMMENTS 1</p>	<p><input type="checkbox"/> GIRDER OR BEAM WEB REDUCED</p> <p><input type="checkbox"/> HOLES IN WEB OVER BEARING</p> <p><input type="checkbox"/> HOLES IN WEB ALONG BOT FLG</p> <p><input type="checkbox"/> DIAGONAL LOOSE ON PINS</p> <p><input type="checkbox"/> DIAGONAL DAMAGED BY IMPACT</p> <p><input type="checkbox"/> HANGERS CRACKED AT TOP</p> <p><input type="checkbox"/> HANGERS CRACKED AT BOTTOM</p> <p><input type="checkbox"/> HANGERS DAMAGED BY IMPACT</p> <p><input type="checkbox"/> COUNTERS LOOSE ON PINS</p> <p><input type="checkbox"/> COUNTERS DAMAGED BY IMPACT</p> <p><input type="checkbox"/> RIVETS LOOSE OR BROKEN</p> <p><input type="checkbox"/> RIVET HEADS REDUCED TOP FLG</p> <p><input type="checkbox"/> RIVET HEADS REDUCED BOT FLG</p> <p><input type="checkbox"/> PINS LOOSE</p> <p><input type="checkbox"/> PINS WORN</p> <p><input type="checkbox"/> NUTS LOOSE OR MISSING</p> <p><input type="checkbox"/> COLUMNS REDUCED AT BOTTOM</p> <p><input type="checkbox"/> COLUMNS REDUCED AT TOP</p> <p><input type="checkbox"/> COLUMNS DAMAGED BY IMPACT</p> <p><input type="checkbox"/> SOLE PLATES DEFORMED</p> <p><input type="checkbox"/> SOLE PLATES CRACKED</p> <p><input type="checkbox"/> MASONRY PLATES DEFORMED</p> <p><input type="checkbox"/> MASONRY PL WORN INTO B-SEAT</p> <p><input type="checkbox"/> SHOES WORN INTO MASONRY</p> <p><input type="checkbox"/> SHOES OUT OF LEVEL</p> <p><input type="checkbox"/> ROCKERS OUT OF LEVEL</p> <p><input type="checkbox"/> EXPANSION ROLLERS MISSING</p> <p><input type="checkbox"/> EXPANSION ROLLERS FROZEN</p> <p><input type="checkbox"/> SHIMS WORKING OUT</p> <p><input type="checkbox"/> SHIMS NEEDED</p> <p><input type="checkbox"/> ANCHOR BOLTS MISSING</p> <p><input type="checkbox"/> ANCHOR BOLTS BENT</p> <p><input type="checkbox"/> WOOD BLOCKING NEEDED</p> <p><input type="checkbox"/> WOOD BLOCKING CRUSHING</p> <p><input type="checkbox"/> REMOVE DIRT/STONE FROM BRGS</p> <p><input type="checkbox"/> SPECIAL COMMENTS 4</p>	<p><input type="checkbox"/> FLOOR BEAM CONN CRACKED</p> <p><input type="checkbox"/> BOLTS/RIVETS LOOSE/MISSING</p> <p><input type="checkbox"/> STRINGER WEBS REDUCED</p> <p><input type="checkbox"/> STRINGER WEBS CRACKED</p> <p><input type="checkbox"/> HOLES IN STRINGER WEBS</p> <p><input type="checkbox"/> TOP FLG STR RED/CRACKED</p> <p><input type="checkbox"/> BOT FLG STR RED/CRACKED</p> <p><input type="checkbox"/> STRINGER CONN CRACKED</p> <p><input type="checkbox"/> STR BOLTS/RIVETS MISSING</p> <p><input type="checkbox"/> WELDS CRACKED</p> <p><input type="checkbox"/> STEEL FLOOR RED OR CRACKED</p> <p><input type="checkbox"/> HOLES IN STEEL FLOOR</p> <p><input type="checkbox"/> CONCRETE FLOOR CRACKED</p> <p><input type="checkbox"/> CONCRETE FLOOR SPALLED</p> <p><input type="checkbox"/> BALLAST FALLING THRU</p> <p><input type="checkbox"/> TIMBER FLOOR SOFT</p> <p><input type="checkbox"/> TIMBER FLOOR ROTTED</p> <p><input type="checkbox"/> HOLES IN TIMBER FLOOR</p> <p><input type="checkbox"/> WATER LEAKING THRU</p> <p><input type="checkbox"/> TIES SPIKE KILLED</p> <p><input type="checkbox"/> TIES SPLIT</p> <p><input type="checkbox"/> TIES PLATE CUT</p> <p><input type="checkbox"/> SPACE BAR/TIMBER DAMAGED</p> <p><input type="checkbox"/> HOOK BOLTS BROKEN/MISSING</p> <p><input type="checkbox"/> GUARD RAILS MISSING</p> <p><input type="checkbox"/> SOME DECK HARDWARE MISSING</p> <p><input type="checkbox"/> SOME FOOTWALK MISSING</p> <p><input type="checkbox"/> SOME HANDRAIL MISSING</p> <p><input type="checkbox"/> POSTS RUSTED OR BROKEN OFF</p> <p><input type="checkbox"/> DRAINAGE SYSTEM NOT WORKING</p> <p><input type="checkbox"/> SPECIAL COMMENTS 6</p>
<p>FENDER SYSTEM</p> <p><input type="checkbox"/> SHEETING DAMAGED OR MISSING</p> <p><input type="checkbox"/> WALERS DAMAGED OR MISSING</p> <p><input type="checkbox"/> PILING DAMAGED OR MISSING</p> <p><input type="checkbox"/> SPECIAL COMMENTS 2</p>	<p><input type="checkbox"/> EXPANSION ROLLERS MISSING</p> <p><input type="checkbox"/> EXPANSION ROLLERS FROZEN</p>	<p>TIMBER TRESTLES</p> <p><input checked="" type="checkbox"/> TIMBER BULKHEADS ROTTED</p> <p><input type="checkbox"/> TIMBER BULKHEADS UNDERCUT</p> <p><input type="checkbox"/> PILING HOLLOW</p> <p><input type="checkbox"/> PILING SPLIT</p> <p><input type="checkbox"/> SILLS ROTTED & CRUSHING</p> <p><input type="checkbox"/> POSTS ROTTED</p> <p><input type="checkbox"/> CAPS CRUSHING</p> <p><input type="checkbox"/> CAPS SPLIT</p> <p><input type="checkbox"/> CAPS HOLLOW</p> <p><input type="checkbox"/> STRINGER CRUSHING</p> <p><input type="checkbox"/> STRINGER SPLIT</p> <p><input type="checkbox"/> HELPER STRINGER INSTALLED</p> <p><input type="checkbox"/> SPECIAL COMMENTS 7</p>
<p>MASONRY</p> <p><input type="checkbox"/> ABUTMENTS CRACKED/SPALLED</p> <p><input type="checkbox"/> ABUTMENTS LEAVING</p> <p><input type="checkbox"/> ABUTMENTS CRACKS WIDENING</p> <p><input type="checkbox"/> WINGWALLS CRACKED/SPALLED</p> <p><input type="checkbox"/> WINGWALL CRACKS WIDENING</p> <p><input type="checkbox"/> TIMBER B-WALLS DISPLACED</p> <p><input type="checkbox"/> TIMBER B-WALLS DETERIORATING</p> <p><input type="checkbox"/> TIMBER B-WALLS UNDERCUT</p> <p><input type="checkbox"/> PIERS CRACKED OR SPALLED</p> <p><input type="checkbox"/> PIERS LEANING</p> <p><input type="checkbox"/> PIER CRACKS WIDENING</p> <p><input type="checkbox"/> PEDESTALS CRACKED/SPALLED</p> <p><input type="checkbox"/> ARCHES CRACKED OR SPALLED</p> <p><input type="checkbox"/> PARAPETS CRACKED/SPALLED</p> <p><input type="checkbox"/> PARAPETS LEANING</p> <p><input type="checkbox"/> POINTING NEEDED ARCH RING</p> <p><input type="checkbox"/> POINTING NEEDED ALONG WALLS</p> <p><input type="checkbox"/> GUNITE COMING OFF</p> <p><input type="checkbox"/> SLAB SPALLED STEEL EXPOSED</p> <p><input type="checkbox"/> SLAB SPALLED STEEL NOT EXPD</p> <p><input type="checkbox"/> SLAB CRACKED</p> <p><input type="checkbox"/> SPECIAL COMMENTS 3</p>	<p>STEEL BRACING</p> <p><input type="checkbox"/> TOP LATERALS REDUCED</p> <p><input type="checkbox"/> TOP LATERALS BROKEN</p> <p><input type="checkbox"/> TOP LAT PLS REDUCED</p> <p><input type="checkbox"/> TOP LAT PLS BROKEN</p> <p><input type="checkbox"/> BOT LATERALS REDUCED</p> <p><input type="checkbox"/> BOT LATERALS BROKEN</p> <p><input type="checkbox"/> BOT LAT PLS REDUCED</p> <p><input type="checkbox"/> BOT LAT PLS BROKEN</p> <p><input type="checkbox"/> SWAY FRAMES RED OR CRACKED</p> <p><input type="checkbox"/> PORTALS DAMAGED OR CRACKED</p> <p><input type="checkbox"/> TOWER LEGS RED OR CRACKED</p> <p><input type="checkbox"/> TOWER BRACING REDUCED</p> <p><input type="checkbox"/> COVERED WITH VEGETATION</p> <p><input type="checkbox"/> SPECIAL COMMENTS 5</p>	<p>TIMBER BRACING</p> <p><input type="checkbox"/> BRACING SPLIT OR LOOSE</p> <p><input type="checkbox"/> BRACING MISSING OR BROKEN</p> <p><input type="checkbox"/> ADDITIONAL BRACING REQUIRED</p> <p><input type="checkbox"/> LONG BRACING SPLIT OR LOOSE</p> <p><input type="checkbox"/> LONG BRACING GONE OR BROKEN</p> <p><input type="checkbox"/> ADDITIONAL LONG BRACE REQ'D</p> <p><input type="checkbox"/> MUD SILLS ROTTED & CRUSHING</p> <p><input checked="" type="checkbox"/> SPECIAL COMMENTS 8</p> <p><input type="checkbox"/> SPECIAL COMMENTS 9</p> <p><input type="checkbox"/> SPECIAL COMMENTS 10</p> <p><input type="checkbox"/> SPECIAL COMMENTS 11</p>
<p>BEAMS OR TRUSSES</p> <p><input type="checkbox"/> TOP FLG/CHORD RED IN WIDTH</p> <p><input type="checkbox"/> TOP FLG/CHORD RED IN THICK</p> <p><input type="checkbox"/> BOT FLG/CHORD RED IN WIDTH</p> <p><input type="checkbox"/> BOT FLG/CHORD RED IN THICK</p> <p><input type="checkbox"/> BOT FLG/CHORD CRACKED @ BRG</p> <p><input type="checkbox"/> BEARING STIFF GONE @ BOTTOM</p>	<p>FLOOR SYSTEM</p> <p><input type="checkbox"/> FLOOR BEAM WEBS REDUCED</p> <p><input type="checkbox"/> HOLES IN FLOOR BEAM WEBS</p> <p><input type="checkbox"/> FLOOR BEAM WEBS CRACKED</p> <p><input type="checkbox"/> TOP FLG FLBM RED/CRACKED</p> <p><input type="checkbox"/> BOT FLG FLBM RED/CRACKED</p>	

Jackets were installed around the piles and filled with concrete early 2010. The contractor has agreed to come back and finish the tops of jackets with fast setting concrete.

BRIDGE NUMBER 113.70

LINE CODE 9912

COMMENTS		
GENERAL CONDITION	<input type="radio"/> GIRDER OR BEAM WEB REDUCED	<input type="radio"/> FLOOR BEAM CONN CRACKED
<input type="radio"/> CLEARANCE SIGNS LOOSE	<input type="radio"/> HOLES IN WEB OVER BEARING	<input type="radio"/> BOLTS/RIVETS LOOSE/MISSING
<input type="radio"/> LOAD LIMIT SIGNS MISSING	<input type="radio"/> HOLES IN WEB ALONG BOT FLG	<input type="radio"/> STRINGER WEBS REDUCED
<input type="radio"/> ONLY ONE LOAD LIMIT SIGN	<input type="radio"/> DIAGONAL LOOSE ON PINS	<input type="radio"/> STRINGER WEBS CRACKED
<input type="radio"/> LOAD LIMIT SIGNS ILLEGIBLE	<input type="radio"/> DIAGONAL DAMAGED BY IMPACT	<input type="radio"/> HOLES IN STRINGER WEBS
<input type="radio"/> LATERAL MOTION UNDER LOAD	<input type="radio"/> HANGERS CRACKED AT TOP	<input type="radio"/> TOP FLG STR RED/CRACKED
<input type="radio"/> EXCESSIVE VERTICAL MOTION	<input type="radio"/> HANGERS CRACKED AT BOTTOM	<input type="radio"/> BOT FLG STR RED/CRACKED
<input type="radio"/> BEARINGS PUMPING	<input type="radio"/> HANGERS DAMAGED BY IMPACT	<input type="radio"/> STRINGER CONN CRACKED
<input type="radio"/> LOW APPROACHES	<input type="radio"/> COUNTERS LOOSE ON PINS	<input type="radio"/> STR BOLTS/RIVETS MISSING
<input type="radio"/> TRACK LINE POOR	<input type="radio"/> COUNTERS DAMAGED BY IMPACT	<input type="radio"/> WELDS CRACKED
<input type="radio"/> TRACK SURFACE POOR	<input type="radio"/> RIVETS LOOSE OR BROKEN	<input type="radio"/> STEEL FLOOR RED OR CRACKED
<input type="radio"/> RAIL JOINTS POOR	<input type="radio"/> RIVET HEADS REDUCED TOP FLG	<input type="radio"/> HOLES IN STEEL FLOOR
<input type="radio"/> PAVING BROKEN UP	<input type="radio"/> RIVET HEADS REDUCED BOT FLG	<input type="radio"/> CONCRETE FLOOR CRACKED
<input type="radio"/> WATER FLOWING UNDER PAVING	<input type="radio"/> PINS LOOSE	<input type="radio"/> CONCRETE FLOOR SPALLED
<input type="radio"/> NO PAVING	<input type="radio"/> PINS WORN	<input type="radio"/> BALLAST FALLING THRU
<input type="radio"/> RUSTY OR DEFORMED SHEETING	<input type="radio"/> NUTS LOOSE OR MISSING	<input type="radio"/> TIMBER FLOOR SOFT
<input type="radio"/> SHEET FILING DESTROYED	<input type="radio"/> COLUMNS REDUCED AT BOTTOM	<input type="radio"/> TIMBER FLOOR ROTTED
<input type="radio"/> SCOUR UNDER ABUTS OR PIERS	<input type="radio"/> COLUMNS REDUCED AT TOP	<input type="radio"/> HOLES IN TIMBER FLOOR
<input type="radio"/> SCOUR UNDER WINGWALLS	<input type="radio"/> COLUMNS DAMAGED BY IMPACT	<input type="radio"/> WATER LEAKING THRU
<input checked="" type="radio"/> RIP RAP NEEDED ALONG BANKS	<input type="radio"/> SOLE PLATES DEFORMED	<input type="radio"/> TIES SPIKE KILLED
<input type="radio"/> RIP RAP NEEDED PIER/ABUTS	<input type="radio"/> SOLE PLATES CRACKED	<input type="radio"/> TIES SPLIT
<input type="radio"/> SPECIAL COMMENTS 1	<input type="radio"/> MASONRY PLATES DEFORMED	<input type="radio"/> TIES PLATE CUT
FENDER SYSTEM	<input type="radio"/> MASONRY PL WORN INTO B-SEAT	<input type="radio"/> SPACE BAR/TIMBER DAMAGED
<input type="radio"/> SHEETING DAMAGED OR MISSING	<input type="radio"/> SHOES WORN INTO MASONRY	<input type="radio"/> HOOK BOLTS BROKEN/MISSING
<input type="radio"/> WALERS DAMAGED OR MISSING	<input type="radio"/> SHOES OUT OF LEVEL	<input type="radio"/> GUARD RAILS MISSING
<input type="radio"/> PILING DAMAGED OR MISSING	<input type="radio"/> ROCKERS OUT OF LEVEL	<input type="radio"/> SOME DECK HARDWARE MISSING
<input type="radio"/> SPECIAL COMMENTS 2	<input type="radio"/> EXPANSION ROLLERS MISSING	<input type="radio"/> SOME FOOTWALK MISSING
MASONRY	<input type="radio"/> EXPANSION ROLLERS FROZEN	<input type="radio"/> SOME HANDRAIL MISSING
<input type="radio"/> ABUTMENTS CRACKED/SPALLED	<input type="radio"/> SHIMS WORKING OUT	<input type="radio"/> POSTS RUSTED OR BROKEN OFF
<input type="radio"/> ABUTMENTS LEAVING	<input type="radio"/> SHIMS NEEDED	<input type="radio"/> DRAINAGE SYSTEM NOT WORKING
<input type="radio"/> ABUTMENTS CRACKS WIDENING	<input type="radio"/> ANCHOR BOLTS MISSING	<input type="radio"/> SPECIAL COMMENTS 6
<input type="radio"/> WINGWALLS CRACKED/SPALLED	<input type="radio"/> ANCHOR BOLTS BENT	TIMBER TRESTLES
<input type="radio"/> WINGWALL CRACKS WIDENING	<input type="radio"/> WOOD BLOCKING NEEDED	<input type="radio"/> TIMBER BULKHEADS ROTTED
<input type="radio"/> TIMBER B-WALLS DISPLACED	<input type="radio"/> WOOD BLOCKING CRUSHING	<input type="radio"/> TIMBER BULKHEADS UNDERCUT
<input type="radio"/> TIMBER B-WALLS DETERIORATING	<input type="radio"/> REMOVE DIRT/STONE FROM BRGS	<input type="radio"/> PILING HOLLOW
<input type="radio"/> TIMBER B-WALLS UNDERCUT	<input type="radio"/> SPECIAL COMMENTS 4	<input type="radio"/> PILING SPLIT
<input type="radio"/> PIERS CRACKED OR SPALLED	STEEL BRACING	<input type="radio"/> SILLS ROTTED & CRUSHING
<input type="radio"/> PIERS LEANING	<input type="radio"/> TOP LATERALS REDUCED	<input type="radio"/> POSTS ROTTED
<input type="radio"/> PIER CRACKS WIDENING	<input type="radio"/> TOP LATERALS BROKEN	<input type="radio"/> CAPS CRUSHING
<input type="radio"/> PEDESTALS CRACKED/SPALLED	<input type="radio"/> TOP LAT PLS REDUCED	<input type="radio"/> CAPS SPLIT
<input type="radio"/> ARCHES CRACKED OR SPALLED	<input type="radio"/> TOP LAT PLS BROKEN	<input type="radio"/> CAPS HOLLOW
<input type="radio"/> PARAPETS CRACKED/SPALLED	<input type="radio"/> BOT LATERALS REDUCED	<input type="radio"/> STRINGER CRUSHING
<input type="radio"/> PARAPETS LEANING	<input type="radio"/> BOT LATERALS BROKEN	<input type="radio"/> STRINGER SPLIT
<input type="radio"/> POINTING NEEDED ARCH RING	<input type="radio"/> BOT LAT PLS REDUCED	<input type="radio"/> HELPER STRINGER INSTALLED
<input type="radio"/> POINTING NEEDED ALONG WALLS	<input type="radio"/> BOT LAT PLS BROKEN	<input type="radio"/> SPECIAL COMMENTS 7
<input type="radio"/> GUNITE COMING OFF	<input type="radio"/> SWAY FRAMES RED OR CRACKED	TIMBER BRACING
<input type="radio"/> SLAB SPALLED STEEL EXPOSED	<input type="radio"/> PORTALS DAMAGED OR CRACKED	<input type="radio"/> BRACING SPLIT OR LOOSE
<input type="radio"/> SLAB SPALLED STEEL NOT EXPD	<input type="radio"/> TOWER LEGS RED OR CRACKED	<input type="radio"/> BRACING MISSING OR BROKEN
<input type="radio"/> SLAB CRACKED	<input type="radio"/> TOWER BRACING REDUCED	<input type="radio"/> ADDITIONAL BRACING REQUIRED
<input type="radio"/> SPECIAL COMMENTS 3	<input type="radio"/> COVERED WITH VEGETATION	<input type="radio"/> LONG BRACING SPLIT OR LOOSE
BEAMS OR TRUSSES	<input type="radio"/> SPECIAL COMMENTS 5	<input type="radio"/> LONG BRACING GONE OR BROKEN
<input type="radio"/> TOP FLG/CHORD RED IN WIDTH	FLOOR SYSTEM	<input type="radio"/> ADDITIONAL LONG BRACE REQ'D
<input type="radio"/> TOP FLG/CHORD RED IN THICK	<input type="radio"/> FLOOR BEAM WEBS REDUCED	<input type="radio"/> MUD SILLS ROTTED & CRUSHING
<input type="radio"/> BOT FLG/CHORD RED IN WIDTH	<input type="radio"/> HOLES IN FLOOR BEAM WEBS	<input checked="" type="radio"/> SPECIAL COMMENTS 8
<input type="radio"/> BOT FLG/CHORD RED IN THICK	<input type="radio"/> FLOOR BEAM WEBS CRACKED	<input type="radio"/> SPECIAL COMMENTS 9
<input type="radio"/> BOT FLG/CHORD CRACKED @ BRG	<input type="radio"/> TOP FLG FLBM RED/CRACKED	<input type="radio"/> SPECIAL COMMENTS 10
<input type="radio"/> BEARING STIFF GONE @ BOTTOM	<input type="radio"/> BOT FLG FLBM RED/CRACKED	<input type="radio"/> SPECIAL COMMENTS 11

The Contractor should come back and finish the top of the Piles with fast setting concrete. There was major work done 2009 & 2010. There are a few bolts connecting girders 4 and 5 missing

BRIDGE NUMBER 113.70

LINE CODE 9912

COMMENTS		
GENERAL CONDITION	<input type="radio"/> GIRDER OR BEAM WEB REDUCED	<input type="radio"/> FLOOR BEAM CONN CRACKED
<input type="radio"/> CLEARANCE SIGNS LOOSE	<input type="radio"/> HOLES IN WEB OVER BEARING	<input type="radio"/> BOLTS/RIVETS LOOSE/MISSING
<input type="radio"/> LOAD LIMIT SIGNS MISSING	<input type="radio"/> HOLES IN WEB ALONG BOT FLG	<input type="radio"/> STRINGER WEBS REDUCED
<input type="radio"/> ONLY ONE LOAD LIMIT SIGN	<input type="radio"/> DIAGONAL LOOSE ON PINS	<input type="radio"/> STRINGER WEBS CRACKED
<input type="radio"/> LOAD LIMIT SIGNS ILLEGIBLE	<input type="radio"/> DIAGONAL DAMAGED BY IMPACT	<input type="radio"/> HOLES IN STRINGER WEBS
<input type="radio"/> LATERAL MOTION UNDER LOAD	<input type="radio"/> HANGERS CRACKED AT TOP	<input type="radio"/> TOP FLG STR RED/CRACKED
<input type="radio"/> EXCESSIVE VERTICAL MOTION	<input type="radio"/> HANGERS CRACKED AT BOTTOM	<input type="radio"/> BOT FLG STR RED/CRACKED
<input type="radio"/> BEARINGS PUMPING	<input type="radio"/> HANGERS DAMAGED BY IMPACT	<input type="radio"/> STRINGER CONN CRACKED
<input type="radio"/> LOW APPROACHES	<input type="radio"/> COUNTERS LOOSE ON PINS	<input type="radio"/> STR BOLTS/RIVETS MISSING
<input type="radio"/> TRACK LINE POOR	<input type="radio"/> COUNTERS DAMAGED BY IMPACT	<input type="radio"/> WELDS CRACKED
<input type="radio"/> TRACK SURFACE POOR	<input type="radio"/> RIVETS LOOSE OR BROKEN	<input type="radio"/> STEEL FLOOR RED OR CRACKED
<input type="radio"/> RAIL JOINTS POOR	<input type="radio"/> RIVET HEADS REDUCED TOP FLG	<input type="radio"/> HOLES IN STEEL FLOOR
<input type="radio"/> PAVING BROKEN UP	<input type="radio"/> RIVET HEADS REDUCED BOT FLG	<input type="radio"/> CONCRETE FLOOR CRACKED
<input type="radio"/> WATER FLOWING UNDER PAVING	<input type="radio"/> PINS LOOSE	<input type="radio"/> CONCRETE FLOOR SPALLED
<input type="radio"/> NO PAVING	<input type="radio"/> PINS WORN	<input type="radio"/> BALLAST FALLING THRU
<input type="radio"/> RUSTY OR DEFORMED SHEETING	<input type="radio"/> NUTS LOOSE OR MISSING	<input type="radio"/> TIMBER FLOOR SOFT
<input type="radio"/> SHEET FILING DESTROYED	<input type="radio"/> COLUMNS REDUCED AT BOTTOM	<input type="radio"/> TIMBER FLOOR ROTTED
<input type="radio"/> SCOUR UNDER ABUTS OR PIERS	<input type="radio"/> COLUMNS REDUCED AT TOP	<input type="radio"/> HOLES IN TIMBER FLOOR
<input type="radio"/> SCOUR UNDER WINGWALLS	<input type="radio"/> COLUMNS DAMAGED BY IMPACT	<input type="radio"/> WATER LEAKING THRU
<input checked="" type="radio"/> RIP RAP NEEDED ALONG BANKS	<input type="radio"/> SOLE PLATES DEFORMED	<input type="radio"/> TIES SPIKE KILLED
<input type="radio"/> RIP RAP NEEDED PIER/ABUTS	<input type="radio"/> SOLE PLATES CRACKED	<input type="radio"/> TIES SPLIT
<input type="radio"/> SPECIAL COMMENTS 1	<input type="radio"/> MASONRY PLATES DEFORMED	<input type="radio"/> TIES PLATE CUT
FENDER SYSTEM	<input type="radio"/> MASONRY PL WORN INTO B-SEAT	<input type="radio"/> SPACE BAR/TIMBER DAMAGED
<input type="radio"/> SHEETING DAMAGED OR MISSING	<input type="radio"/> SHOES WORN INTO MASONRY	<input type="radio"/> HOOK BOLTS BROKEN/MISSING
<input type="radio"/> WALERS DAMAGED OR MISSING	<input type="radio"/> SHOES OUT OF LEVEL	<input type="radio"/> GUARD RAILS MISSING
<input type="radio"/> PILING DAMAGED OR MISSING	<input type="radio"/> ROCKERS OUT OF LEVEL	<input type="radio"/> SOME DECK HARDWARE MISSING
<input type="radio"/> SPECIAL COMMENTS 2	<input type="radio"/> EXPANSION ROLLERS MISSING	<input type="radio"/> SOME FOOTWALK MISSING
MASONRY	<input type="radio"/> EXPANSION ROLLERS FROZEN	<input type="radio"/> SOME HANDRAIL MISSING
<input type="radio"/> ABUTMENTS CRACKED/SPALLED	<input type="radio"/> SHIMS WORKING OUT	<input type="radio"/> POSTS RUSTED OR BROKEN OFF
<input type="radio"/> ABUTMENTS LEAVING	<input type="radio"/> SHIMS NEEDED	<input type="radio"/> DRAINAGE SYSTEM NOT WORKING
<input type="radio"/> ABUTMENTS CRACKS WIDENING	<input type="radio"/> ANCHOR BOLTS MISSING	<input type="radio"/> SPECIAL COMMENTS 6
<input type="radio"/> WINGWALLS CRACKED/SPALLED	<input type="radio"/> ANCHOR BOLTS BENT	TIMBER TRESTLES
<input type="radio"/> WINGWALL CRACKS WIDENING	<input type="radio"/> WOOD BLOCKING NEEDED	<input type="radio"/> TIMBER BULKHEADS ROTTED
<input type="radio"/> TIMBER B-WALLS DISPLACED	<input type="radio"/> WOOD BLOCKING CRUSHING	<input type="radio"/> TIMBER BULKHEADS UNDERCUT
<input type="radio"/> TIMBER B-WALLS DETERIORATING	<input type="radio"/> REMOVE DIRT/STONE FROM BRGS	<input type="radio"/> PILING HOLLOW
<input type="radio"/> TIMBER B-WALLS UNDERCUT	<input type="radio"/> SPECIAL COMMENTS 4	<input type="radio"/> PILING SPLIT
<input type="radio"/> PIERS CRACKED OR SPALLED	STEEL BRACING	<input type="radio"/> SILLS ROTTED & CRUSHING
<input type="radio"/> PIERS LEANING	<input type="radio"/> TOP LATERALS REDUCED	<input type="radio"/> POSTS ROTTED
<input type="radio"/> PIER CRACKS WIDENING	<input type="radio"/> TOP LATERALS BROKEN	<input type="radio"/> CAPS CRUSHING
<input type="radio"/> PEDESTALS CRACKED/SPALLED	<input type="radio"/> TOP LAT PLS REDUCED	<input type="radio"/> CAPS SPLIT
<input type="radio"/> ARCHES CRACKED OR SPALLED	<input type="radio"/> TOP LAT PLS BROKEN	<input type="radio"/> CAPS HOLLOW
<input type="radio"/> PARAPETS CRACKED/SPALLED	<input type="radio"/> BOT LATERALS REDUCED	<input type="radio"/> STRINGER CRUSHING
<input type="radio"/> PARAPETS LEANING	<input type="radio"/> BOT LATERALS BROKEN	<input type="radio"/> STRINGER SPLIT
<input type="radio"/> POINTING NEEDED ARCH RING	<input type="radio"/> BOT LAT PLS REDUCED	<input type="radio"/> HELPER STRINGER INSTALLED
<input type="radio"/> POINTING NEEDED ALONG WALLS	<input type="radio"/> BOT LAT PLS BROKEN	<input type="radio"/> SPECIAL COMMENTS 7
<input type="radio"/> GUNITE COMING OFF	<input type="radio"/> SWAY FRAMES RED OR CRACKED	TIMBER BRACING
<input type="radio"/> SLAB SPALLED STEEL EXPOSED	<input type="radio"/> PORTALS DAMAGED OR CRACKED	<input type="radio"/> BRACING SPLIT OR LOOSE
<input type="radio"/> SLAB SPALLED STEEL NOT EXPD	<input type="radio"/> TOWER LEGS RED OR CRACKED	<input type="radio"/> BRACING MISSING OR BROKEN
<input type="radio"/> SLAB CRACKED	<input type="radio"/> TOWER BRACING REDUCED	<input type="radio"/> ADDITIONAL BRACING REQUIRED
<input type="radio"/> SPECIAL COMMENTS 3	<input type="radio"/> COVERED WITH VEGETATION	<input type="radio"/> LONG BRACING SPLIT OR LOOSE
BEAMS OR TRUSSES	<input type="radio"/> SPECIAL COMMENTS 5	<input type="radio"/> LONG BRACING GONE OR BROKEN
<input type="radio"/> TOP FLG/CHORD RED IN WIDTH	FLOOR SYSTEM	<input type="radio"/> ADDITIONAL LONG BRACE REQ'D
<input type="radio"/> TOP FLG/CHORD RED IN THICK	<input type="radio"/> FLOOR BEAM WEBS REDUCED	<input type="radio"/> MUD SILLS ROTTED & CRUSHING
<input type="radio"/> BOT FLG/CHORD RED IN WIDTH	<input type="radio"/> HOLES IN FLOOR BEAM WEBS	<input checked="" type="radio"/> SPECIAL COMMENTS 8
<input type="radio"/> BOT FLG/CHORD RED IN THICK	<input type="radio"/> FLOOR BEAM WEBS CRACKED	<input type="radio"/> SPECIAL COMMENTS 9
<input type="radio"/> BOT FLG/CHORD CRACKED @ BRG	<input type="radio"/> TOP FLG FLBM RED/CRACKED	<input type="radio"/> SPECIAL COMMENTS 10
<input type="radio"/> BEARING STIFF GONE @ BOTTOM	<input type="radio"/> BOT FLG FLBM RED/CRACKED	<input type="radio"/> SPECIAL COMMENTS 11

Movable bridge inspection report



Line Code 9912	Bridge No. 13.70	Date 6-25-12
Division South Jersey	Town Paulsboro	Type DG - AFrame
Branch Pennsgrove Sec.	State NJ	Waterway Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic: _____ Signal Maintainer: _____ Bridge Operator: _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.		C&S Dept.		Track Dept		Electrical Dept.	
No.	Item	No.	Item	Code	No.	Item	Code
B1	Bridge Ties	2			T1	Rail Anchors	2
B2	Head Blocks	3			T2	Guard Rails	2
B3	Miter Gap	2			T3	Expan. Rails	2
B4	Miter Shoes	2			T4	Miter Rail	2
B5	Superstruct.*	2			T5	Miter Bolts	2
B6	Substruct.*	2			T6	Spikes	2
B7	Fender Syst.	2			T7	Alignment	2
B8	Bearings	3			T8	Gage	2
B9	Wdges., Bffrs.	0			T9	Approaches	3
B10	Ltchs., Keprs.	0			T10	Rail Size	122RF
B11	Operating Rds.	2			T11	Others	
B12	Bridge Locks	2			T12		
B13	Walkways	2			Electrical Dept. No. Item Code		
B14	Ladders, Rlgs	2					
B15	Counterwts.	0			E1	Motors	Various HP 1
B16	Track Girders	0			E2	Voltage	480 120/24
B17	Roll Girders	0			E3	AC or DC	Both
B18	Guides, Rollrs	0			E4	Serv. Supply	2
B19	Bridge Alignm.	0			E5	Switch Panel	2
B20	Oper. Cables	0			E6	Protection	2
B21	Ctr. Wt. Cbls.	0			E7	Wiring	4
B22	Sheaves	0			E8	Relays	2
B23	Control Room	2			E9	Limit Swtchs	2
B24	Machine Room	2			E10	Indicators	2
B25	Cleanliness	2			E11	Rheostats	1
B26	Paint	3			E12	Meters	2
B27	Fire Prot.	2			E13	Controllers	2
B28	Life Presvrs.	2			E14	Elec. Brakes	1
B29	Test Opening	yes 2			E15	Ground Conn.	2
B30	Qualified Opr.	yes					
B31	Opr. Inst. Posted	Yes or No					
B32	Other						

Mechanical Dept.	
No.	Item
M1	Engines
M2	Shfts., Cpls
M3	Brgs., Pvts
M4	Brakes
M5	Gears, Racks
M6	Worms
M7	Oper. Rods
M8	Boilers
M9	Indicators
M10	Lubricators
M11	Fire Prot.
M12	Operation
M13	Noises
M14	Other

Meter Readings	
M15	Strt. Op. AMP
M16	Run Open AMP
M17	Strt. Cls. AMP
M18	Run Cls. AMP

Standby Power	
M19	Type
M20	Date Tested

*Use MW 203 reports to show details

Remarks: wiring going bad between 480 volts panel & JB3

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	_____	Title	B&B Inspector
C&S Department	_____	Title	
Track Department	_____	Title	MW Inspector
Electrical Department	_____	Title	B&B Electrician
Mechanical Department	_____	Title	

Movable bridge inspection report



Line Code <u>9912</u>	Bridge No. <u>13.70</u>	Date <u>3-23-12</u>
Division <u>South Jersey</u>	Town <u>Paulsboro</u>	Type <u>DG - A-Frame</u>
Branch <u>Pennsgrove Sec.</u>	State <u>NJ</u>	Waterway <u>Mantua Creek</u>

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs

Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.		C&S Dept.		Track Dept		Electrical Dept.	
No.	Item	No.	Item	Code	No.	Item	Code
B1	Bridge Ties	2			T1	Rail Anchors	2
B2	Head Blocks	3			T2	Guard Rails	2
B3	Miter Gap	2			T3	Expan. Rails	2
B4	Miter Shoes	2			T4	Miter Rail	2
B5	Superstruct.*	2			T5	Miter Bolts	2
B6	Substruct.*	2			T6	Spikes	2
B7	Fender Syst.	2			T7	Alignment	2
B8	Bearings	3			T8	Gage	2
B9	Wdges., Bffrs.	0			T9	Approaches	3
B10	Ltchs., Keprs.	2			T10	Rail Size	132 RE
B11	Operating Rds.	2			T11	Others	
B12	Bridge Locks	2			T12		
B13	Walkways	2			Electrical Dept. No. Item Code		
B14	Ladders, Rlgs	2					
B15	Counterwts.	0			E1	Motors	VAR HP /
B16	Track Girders	0			E2	Voltage	480 3Ø 120/24
B17	Roll Girders	0			E3	AC or DC	Both
B18	Guides, Rollrs	0			E4	Serv. Supply	2
B19	Bridge Alignm.	2			E5	Switch Panel	2
B20	Oper. Cables	0			E6	Protection	2
B21	Ctr. Wt. Cbls.	0			E7	Wiring	4
B22	Sheaves	0			E8	Relays	2
B23	Control Room	2			E9	Limit Swtchs	2
B24	Machine Room	0			E10	Indicators	2
B25	Cleanliness	2			E11	Rheostats	
B26	Paint	3			E12	Meters	2
B27	Fire Prot.	2			E13	Controllers	2
B28	Life Presvrs.	2			E14	Elec. Brakes	
B29	Test Opening yes				E15	Ground Conn.	2
B30	Qualified Opr.	yes					
B31	Opr. Inst. Posted						
	Yes <input checked="" type="checkbox"/> or No <input type="checkbox"/>						
B32	Other						

Mechanical Dept.
No. Item

M1	Engines	
M2	Shfts., Cpls	
M3	Brgs., Pvts	
M4	Brakes	
M5	Gears, Racks	
M6	Worms	
M7	Oper. Rods	
M8	Boilers	
M9	Indicators	
M10	Lubricators	
M11	Fire Prot.	
M12	Operation	
M13	Noises	
M14	Other	

Meter Readings

M15	Strt. Op	AMP
M16	Run Open	AMP
M17	Strt. Cls.	AMP
M18	Run Cls.	

Standby Power

M19	Type	
M20	Date Tested	

*Use MW 203 reports to show details

Remarks:

The center bearing is making a clicking noise when closing.

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	<u>[Signature]</u>	Title <u>B&B Inspector</u>
C&S Department	<u>[Signature]</u>	Title _____
Track Department	<u>[Signature]</u>	Title <u>MW Inspector</u>
Electrical Department	<u>[Signature]</u>	Title <u>Electrical</u>
Mechanical Department	<u>[Signature]</u>	Title _____



Movable bridge inspection report

Line Code 9912	Bridge No. 13.70	Date 3-21-11
Division South Jersey	Town Paulsboro	Type DG-A Frame
Branch Pennsgrove Sec.	State NJ	Waterway Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.			C&S Dept.			Track Dept			Electrical Dept.		
No.	Item		No.	Item	Code	No.	Item	Code	No.	Item	
B1	Bridge Ties	2	S1	Power Supply	2	T1	Rail Anchors		E16	Batteries	-
B2	Head Blocks	3	S2	Submar. Cble.	0	T2	Guard Rails		E17	Hse. Wire	2
B3	Miter Gap	2	S3	Batteries	2	T3	Expan. Rails		E18	Hse. Lts.	2
B4	Miter Shoes	2	S4	Ground Conn.	2	T4	Miter Rail		E19	Navig. Lts.	2
B5	Superstruct.*	2	S5	Motors	0	T5	Miter Bolts		E20	Other	-
B6	Substruct.*	2	S6	Generators	0	T6	Spikes		Mechanical Dept.		
B7	Fender Syst.	2	S7	Transformers	0	T7	Alignment				
B8	Bearings	3	S8	Relays	2	T8	Gage		No.	Item	
B9	Wdges., Bffrs.	0	S9	Time Releases	0	T9	Approaches		M1	Engines	0
B10	Lchs., Keprs.	2	S10	Switch board	0	T10	Rail Size		M2	Shfts., Cpls	2
B11	Operating Rds.	2	S11	Intlk. Mach.	0	T11	Others		M3	Brgs., Pvts	2
B12	Bridge Locks	2	S12	Signals	2	T12			M4	Brakes	2
B13	Walkways	2	S13	Switch Movn.	0	Electrical Dept.			M5	Gears, Racks	2
B14	Ladders, Rlngs	3	S14	Levers, Crnks.	0				No.	Item	Code
B15	Counterwts.	0	S15	Derails	0	E1	Motors	Var. HP 1	M7	Oper. Rods	2
B16	Track Girders	0	S16	Rail Locks	0	E2	Voltage	480 3p 120/24	M8	Boilers	0
B17	Roll Girders	0	S17	Rail Insul.	2	E3	AC or DC	Boilt 2	M9	Indicators	2
B18	Guides, Rollrs	0	S18	Track Circuit	2	E4	Serv. Supply	2	M10	Lubricators	3
B19	Bridge Alignm.	2	S19	Elec Contacts	0	E5	Switch Panel	2	M11	Fire Prot.	2
B20	Oper. Cables	0	S20	Limit Switches	0	E6	Protection	2	M12	Operation	2
B21	Ctr. Wt. Cbls.	0	S21	Indicators	2	E7	Wiring	4	M13	Noises	2
B22	Sheaves	0	S22	Lubrication	0	E8	Relays	2	M14	Other	0
B23	Control Room	2	S23	Catenary	0	E9	Limit Swtchs	2	Meter Readings		
B24	Machine Room	0	S24	Telephones	2	E10	Indicators	2	M15	Strt. Op	AMP
B25	Cleanliness	2	S25	Radio, RR	2	E11	Rheostats	-	M16	Run Open	AMP
B26	Paint	3	S26	Radio, Marine	0	E12	Meters	2	M17	Strt. Cls.	AMP
B27	Fire Prot.	2	S27	Cleanliness	2	E13	Controllers	2	M18	Run Cls.	
B28	Life Presvrs.	3	S28	Other		E14	Elec. Brakes	-	Standby Power		
B29	Test Opening	yes	S29			E15	Ground Conn.	2	M19	Type	
B30	Qualified Opr.	yes	S30						M20	Date Tested	
B31	Opr. Inst. Posted	Yes <input checked="" type="checkbox"/> or No	*Use MW 203 reports to show details								
B32	Other		Remarks: 1-NAV. LT. Reumped, Replaced 12 screw Terminal Strip, Change wire #'s on South Rail Links.								

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	_____	Title	B&B Inspector
C&S Department	_____	Title	M.A. Co's
Track Department	_____	Title	
Electrical Department	_____	Title	Electrician
Mechanical Department	_____	Title	Foreman

Reviewed By _____ Supvr. of Structures _____ Division Engr. _____

Movable bridge inspection report

Line Code <u>9912</u>	Bridge No. <u>1370</u>	Date <u>6-15-11</u>
Division <u>South Jersey</u>	Town <u>Paulsboro</u>	Type <u>DG-A Frame</u>
Branch <u>Pennsgrove Sec.</u>	State <u>NJ</u>	Waterway <u>Mantua Creek</u>

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic: [Signature] Signal Maintainer: _____ Bridge Operator: _____

Condition Codes: 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.			C&S Dept.			Track Dept			Electrical Dept.		
No.	Item		No.	Item	Code	No.	Item	Code	No.	Item	
B1	Bridge Ties	<u>2</u>	S1	Power Supply	<u>2</u>	T1	Rail Anchors	_____	E16	Batteries	<u>1</u>
B2	Head Blocks	<u>3</u>	S2	Submar. Cble.	<u>0</u>	T2	Guard Rails	_____	E17	Hse. Wire	<u>2</u>
B3	Miter Gap	<u>2</u>	S3	Batteries	<u>2</u>	T3	Expan. Rails	_____	E18	Hse. Lts.	<u>2</u>
B4	Miter Shoes	<u>2</u>	S4	Ground Conn.	<u>2</u>	T4	Miter Rail	_____	E19	Navig. Lts.	<u>3</u>
B5	Superstruct.*	<u>2</u>	S5	Motors	<u>0</u>	T5	Miter Bolts	_____	E20	Other	<u>1</u>
B6	Substruct.*	<u>2</u>	S6	Generators	<u>0</u>	T6	Spikes	_____	Mechanical Dept.		
B7	Fender Syst.	<u>2</u>	S7	Transformers	<u>0</u>	T7	Alignment	_____			
B8	Bearings	<u>3</u>	S8	Relays	<u>2</u>	T8	Gage	_____	No.	Item	
B9	Wdges., Bffrs.	<u>0</u>	S9	Time Releases	<u>0</u>	T9	Approaches	_____	M1	Engines	<u>0</u>
B10	Ltchs., Keprs.	<u>2</u>	S10	Switch board	<u>0</u>	T10	Rail Size	_____	M2	Shfts., Cpls	<u>2</u>
B11	Operating Rds.	<u>2</u>	S11	Intlk. Mach.	<u>0</u>	T11	Others _____	_____	M3	Brgs., Pvts	<u>3</u>
B12	Bridge Locks	<u>2</u>	S12	Signals	<u>2</u>	T12	_____	_____	M4	Brakes	<u>0</u>
B13	Walkways	<u>2</u>	S13	Switch Movn.	<u>0</u>	Electrical Dept.			M5	Gears, Racks	<u>2</u>
B14	Ladders, Rings	<u>2</u>	S14	Levers, Crnks.	<u>0</u>				No.	Item	Code
B15	Counterwts.	<u>0</u>	S15	Derails	<u>0</u>	E1	Motors <u>VAR</u> HP <u>1</u>		M7	Oper. Rods	<u>2</u>
B16	Track Girders	<u>0</u>	S16	Rail Locks	<u>0</u>	E2	Voltage <u>480</u> <u>120/24</u>		M8	Boilers	<u>0</u>
B17	Roll Girders	<u>0</u>	S17	Rail Insul.	<u>2</u>	E3	AC or DC <u>Both</u> <u>2</u>		M9	Indicators	<u>3</u>
B18	Guides, Rollrs	<u>0</u>	S18	Track Circuit	<u>2</u>	E4	Serv. Supply	<u>2</u>	M10	Lubricators	<u>3</u>
B19	Bridge Alignm.	<u>2</u>	S19	Elec Contacts	<u>0</u>	E5	Switch Panel	<u>2</u>	M11	Fire Prot.	<u>2</u>
B20	Oper. Cables	<u>0</u>	S20	Limit Switches	<u>0</u>	E6	Protection	<u>2</u>	M12	Operation	<u>2</u>
B21	Ctr. Wt. Cbls.	<u>0</u>	S21	Indicators	<u>2</u>	E7	Wiring	<u>2</u>	M13	Noises	<u>2</u>
B22	Sheaves	<u>0</u>	S22	Lubrication	<u>0</u>	E8	Relays	<u>4</u>	M14	Other _____	<u>0</u>
B23	Control Room	<u>2</u>	S23	Catenary	<u>0</u>	E9	Limit Swtchs	<u>2</u>	Meter Readings		
B24	Machine Room	<u>0</u>	S24	Telephones	<u>2</u>	E10	Indicators	<u>2</u>	M15	Strt. Op _____	<u>AMP</u>
B25	Cleanliness	<u>2</u>	S25	Radio, RR	<u>2</u>	E11	Rheostats	<u>1</u>	M16	Run Open _____	<u>AMP</u>
B26	Paint	<u>3</u>	S26	Radio, Marine	<u>0</u>	E12	Meters	<u>2</u>	M17	Strt. Cls. _____	<u>AMP</u>
B27	Fire Prot.	<u>2</u>	S27	Cleanliness	<u>2</u>	E13	Controllers	<u>2</u>	M18	Run Cls. _____	
B28	Life Presvrs.	<u>2</u>	S28	Other _____		E14	Elec. Brakes	<u>1</u>	Standby Power		
B29	Test Opening <u>yes</u>	<u>2</u>	S29	_____		E15	Ground Conn.	<u>2</u>	M19	Type _____	
B30	Qualified Opr. <u>yes</u>	<u>2</u>	S30	_____					M20	Date Tested _____	

*Use MW 203 reports to show details

B31 Opr. Inst. Posted Yes or No _____

B32 Other _____

Remarks: _____

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department <u>[Signature]</u>	Title <u>B&B Inspector</u>
C&S Department <u>[Signature]</u>	Title <u>C&S Maintainer</u>
Track Department <u>[Signature]</u>	Title _____
Electrical Department <u>[Signature]</u>	Title <u>Electrical</u>
Mechanical Department <u>[Signature]</u>	Title <u>Foreman</u>
Reviewed By <u>[Signature]</u>	Supvr. of Structures <u>[Signature]</u> Division Engr.

Movable bridge inspection report

Line Code 991a	Bridge No. 13.70	Date 3-30-10
Division S. Jersey	Town Paulsboro	Type DG-A-Frame
Branch Pennsarove Sec.	State NJ	Waterway Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.			C&S Dept.			Track Dept			Electrical Dept.		
No.	Item		No.	Item	Code	No.	Item	Code	No.	Item	
B1	Bridge Ties	3	S1	Power Supply	2	T1	Rail Anchors		E16	Batteries	—
B2	Head Blocks	3	S2	Submar. Cble.	0	T2	Guard Rails		E17	Hse. Wire	2
B3	Miter Gap	3	S3	Batteries	2	T3	Expan. Rails		E18	Hse. Lts.	2
B4	Miter Shoes	3	S4	Ground Conn.	2	T4	Miter Rail		E19	Navig. Lts.	2
B5	Superstruct.*	3	S5	Motors	0	T5	Miter Bolts		E20	Other	—
B6	Substruct.*	3	S6	Generators	0	T6	Spikes		Mechanical Dept.		
B7	Fender Syst.	2	S7	Transformers	0	T7	Alignment		No.	Item	
B8	Bearings	2	S8	Relays	2	T8	Gage		M1	Engines	0
B9	Wdges., Bffrs.	0	S9	Time Releases	0	T9	Approaches		M2	Shfts., Cpls	2
B10	Ltchs., Keprs.	0	S10	Switch board	0	T10	Rail Size		M3	Brgs., Pvts	2
B11	Operating Rds.	0	S11	Intlk. Mach.	0	T11	Others		M4	Brakes	0
B12	Bridge Locks	3	S12	Signals	2	T12			M5	Gears, Racks	2
B13	Walkways	4	S13	Switch Movn.	0	Electrical Dept.			M6	Worms	0
B14	Ladders, Rings	3	S14	Levers, Crnks.	0	No.	Item	Code	M7	Oper. Rods	2
B15	Counterwts.	0	S15	Derails	0	E1	Motors	VAR, HP 1	M8	Boilers	0
B16	Track Girders	0	S16	Rail Locks	0	E2	Voltage	480V-24V	M9	Indicators	2
B17	Roll Girders	0	S17	Rail Insul.	2	E3	AC or DC	BOTH 2	M10	Lubricators	2
B18	Guides, Rollrs	0	S18	Track Circuit	2	E4	Serv. Supply	2	M11	Fire Prot.	2
B19	Bridge Alignm.	0	S19	Elec Contacts	0	E5	Switch Panel	2	M12	Operation	2
B20	Oper. Cables	0	S20	Limit Switches	0	E6	Protection	2	M13	Noises	2
B21	Ctr. Wt. Cbls.	0	S21	Indicators	2	E7	Wiring	4	M14	Other	0
B22	Sheaves	0	S22	Lubrication	0	E8	Relays	2	Meter Readings		
B23	Control Room	0	S23	Catenary	0	E9	Limit Swtchs	2	M15	Strt. Op.	AMP
B24	Machine Room	0	S24	Telephones	2	E10	Indicators	2	M16	Run Open	AMP
B25	Cleanliness	2	S25	Radio, RR	2	E11	Rheostats	—	M17	Strt. Cls.	AMP
B26	Paint	3	S26	Radio, Marine	0	E12	Meters	2	M18	Run Cls.	—
B27	Fire Prot.	1	S27	Cleanliness	2	E13	Controllers	2	Standby Power		
B28	Life Presvrs.	1	S28	Other	—	E14	Elec. Brakes	—	M19	Type	—
B29	Test Opening	2	S29		—	E15	Ground Conn.	—	M20	Date Tested	—
B30	Qualified Opr.	1	S30		—						
B31	Opr. Inst. Posted	✓	*Use MW 203 reports to show details								
B32	Other		Remarks: NAV. CABLES (2) HAVE SOME GRDED WIRES ON EACH. Ties Damaged								

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	_____	Title	Bridge Inspector
C&S Department	_____	Title	C&S MAINTAINER
Track Department	_____	Title	
Electrical Department	_____	Title	Electrician
Mechanical Department	_____	Title	MECHANIC
Reviewed By	_____	Supvr. of Structures	Division Engr.

Movable bridge inspection report

Line Code 9912	Bridge No. 13.70	Date 9-29-10
Division S. Jersey	Town Paulsboro	Type DG-A-Frame
Branch Pennsgrove Sec.	State NJ	Waterway Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.		C&S Dept.		Track Dept		Electrical Dept.	
No.	Item	No.	Item	No.	Item	No.	Item
B1	Bridge Ties	S1	Power Supply	T1	Rail Anchors	E16	Batteries
B2	Head Blocks	S2	Submar. Cble.	T2	Guard Rails	E17	Hse. Wire
B3	Miter Gap	S3	Batteries	T3	Expan. Rails	E18	Hse. Lts.
B4	Miter Shoes	S4	Ground Conn.	T4	Miter Rail	E19	Navig. Lts.
B5	Superstruct.*	S5	Motors	T5	Miter Bolts	E20	Other
B6	Substruct.*	S6	Generators	T6	Spikes		
B7	Fender Syst.	S7	Transformers	T7	Alignment	Mechanical Dept.	
B8	Bearings	S8	Relays	T8	Gage		
B9	Wdges., Bffrs.	S9	Time Releases	T9	Approaches	M1	Engines
B10	Ltchs., Keprs.	S10	Switch board	T10	Rail Size	M2	Shfts., Cpls
B11	Operating Rds.	S11	Intlk. Mach.	T11	Others	M3	Brgs., Pvts
B12	Bridge Locks	S12	Signals	T12		M4	Brakes
B13	Walkways	S13	Switch Movn.	Electrical Dept.		M5	Gears, Racks
B14	Ladders, Rings	S14	Levers, Crnks.			No.	Item
B15	Counterwts.	S15	Derails	E1	Motors	VAR	HP 1
B16	Track Girders	S16	Rail Locks	E2	Voltage	180V	24DC
B17	Roll Girders	S17	Rail Insul.	E3	AC or DC	Both	2
B18	Guides, Rollrs	S18	Track Circuit	E4	Serv. Supply		2
B19	Bridge Alignm.	S19	Elec Contacts	E5	Switch Panel		2
B20	Oper. Cables	S20	Limit Switches	E6	Protection		2
B21	Ctr. Wt. Cbls.	S21	Indicators	E7	Wiring		4
B22	Sheaves	S22	Lubrication	E8	Relays		2
B23	Control Room	S23	Catenary	E9	Limit Swtchs		2
B24	Machine Room	S24	Telephones	E10	Indicators		2
B25	Cleanliness	S25	Radio, RR	E11	Rheostats		-
B26	Paint	S26	Radio, Marine	E12	Meters		2
B27	Fire Prot.	S27	Cleanliness	E13	Controllers		2
B28	Life Presvrs.	S28	Other	E14	Elec. Brakes		-
B29	Test Opening	S29		E15	Ground Conn.		2
B30	Qualified Opr.	S30					
B31	Opr. Inst. Posted						
	Yes <input checked="" type="checkbox"/> or No <input type="checkbox"/>						
B32	Other						

*Use MW 203 reports to show details

Remarks: *Made adjustment to the northeast corner hog rod because of scraping bridge seat. Contractor should complete and finish topping off piles. Insulated Joint N. Side of Br on West Rail appears to need an End post*

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	Title	B&B Bridge Inspector
C&S Department	Title	
Track Department	Title	
Electrical Department	Title	Electrician
Mechanical Department	Title	FRISMAN
Reviewed By	Supvr. of Structures	Division Engr.

Movable bridge inspection report



Line Code	9912	Bridge No.	13.70	Date	12-22-10
Division	South Jersey	Town	Paulsboro	Type	DG - A. Frame
Branch	Pennsgrove Sec.	State	NJ	Waterway	Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
 Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.		C&S Dept.		Track Dept		Electrical Dept.	
No.	Item	No.	Item	Code	No.	Item	Code
B1	Bridge Ties	S1	Power Supply		T1	Rail Anchors	
B2	Head Blocks	S2	Submar. Cble.		T2	Guard Rails	
B3	Miter Gap	S3	Batteries		T3	Expan. Rails	
B4	Miter Shoes	S4	Ground Conn.		T4	Miter Rail	
B5	Superstruct.*	S5	Motors		T5	Miter Bolts	
B6	Substruct.*	S6	Generators		T6	Spikes	
B7	Fender Syst.	S7	Transformers		T7	Alignment	
B8	Bearings	S8	Relays		T8	Gage	
B9	Wdges., Bffrs.	S9	Time Releases		T9	Approaches	
B10	Ltchs., Keprs.	S10	Switch board		T10	Rail Size	
B11	Operating Rds.	S11	Intlk. Mach.		T11	Others	
B12	Bridge Locks	S12	Signals		T12		
B13	Walkways	S13	Switch Movn.		Electrical Dept. No. Item Code		
B14	Ladders, Rings	S14	Levers, Crnks.				
B15	Counterwts.	S15	Derails		E1	Motors	HP 1
B16	Track Girders	S16	Rail Locks		E2	Voltage	430 2400
B17	Roll Girders	S17	Rail Insul.		E3	AC or DC	Both 2
B18	Guides, Rollrs	S18	Track Circuit		E4	Serv. Supply	2
B19	Bridge Alignm.	S19	Elec Contacts		E5	Switch Panel	2
B20	Oper. Cables	S20	Limit Switches		E6	Protection	2
B21	Ctr. Wt. Cbls.	S21	Indicators		E7	Wiring	4
B22	Sheaves	S22	Lubrication		E8	Relays	2
B23	Control Room	S23	Catenary		E9	Limit Swtchs	2
B24	Machine Room	S24	Telephones		E10	Indicators	2
B25	Cleanliness	S25	Radio, RR		E11	Rheostats	-
B26	Paint	S26	Radio, Marine		E12	Meters	2
B27	Fire Prot.	S27	Cleanliness		E13	Controllers	2
B28	Life Presvrs.	S28	Other		E14	Elec. Brakes	-
B29	Test Opening	S29			E15	Ground Conn.	2
B30	Qualified Opr.	S30					
B31	Opr. Inst. Posted	*Use MW 203 reports to show details					
B32	Other	Remarks: Bridge closed for season.					

Mechanical Dept.	
No.	Item
M1	Engines
M2	Shfts., Cpls
M3	Brgs., Pvts
M4	Brakes
M5	Gears, Racks
M6	Worms
M7	Oper. Rods
M8	Boilers
M9	Indicators
M10	Lubricators
M11	Fire Prot.
M12	Operation
M13	Noises
M14	Other

Meter Readings	
M15	Strt. Op AMP
M16	Run Open AMP
M17	Strt. Cls. AMP
M18	Run Cls.

Standby Power	
M19	Type
M20	Date Tested

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department	**PII**	Title	Bridge Inspector
C&S Department		Title	
Track Department		Title	
Electrical Department	**PII**	Title	Electrician
Mechanical Department	**PII**	Title	FOREMAN
Reviewed By	**PII**	Supvr. of Structures	Division Engr.

Movable bridge inspection report



Line Code 9912	Bridge No. 13.70	Date 6-30-10
Division S. Jersey	Town Paulsboro	Type DG-A-Frame
Branch Penningrove Sec.	State NJ	Waterway Mantua Creek

EMPLOYEES FAMILIAR WITH THE OPERATION OF THIS BRIDGE:

B&B Mechanic _____ Signal Maintainer _____ Bridge Operator _____

Condition 0 = Not Applicable 2 = Good Condition 4 = Poor/Major Repairs
Codes 1 = New Condition 3 = Fair/Minor Repairs 5 = Critical/Replace

Structures Dept.			C&S Dept.			Track Dept			Electrical Dept.		
No.	Item		No.	Item	Code	No.	Item	Code	No.	Item	
B1	Bridge Ties	3	S1	Power Supply	2	T1	Rail Anchors		E16	Batteries	1
B2	Head Blocks	3	S2	Submar. Cble.	0	T2	Guard Rails		E17	Hse. Wire	2
B3	Miter Gap	3	S3	Batteries	2	T3	Expan. Rails		E18	Hse. Lts.	2
B4	Miter Shoes	3	S4	Ground Conn.	2	T4	Miter Rail		E19	Navig. Lts.	2
B5	Superstruct.*	3	S5	Motors	0	T5	Miter Bolts		E20	Other	1
B6	Substruct.*	3	S6	Generators	0	T6	Spikes				
B7	Fender Syst.	2	S7	Transformers	0	T7	Alignment		Mechanical Dept.		
B8	Bearings	3	S8	Relays	2	T8	Gage		No.	Item	
B9	Wdges., Bffrs.	0	S9	Time Releases	0	T9	Approaches		M1	Engines	0
B10	Ltchs., Keprs.	0	S10	Switch board	0	T10	Rail Size		M2	Shfts., Cpls	2
B11	Operating Rds.	3	S11	Intlk. Mach.	0	T11	Others _____		M3	Brgs., Pvts	3
B12	Bridge Locks	3	S12	Signals	2	T12	_____		M4	Brakes	0
B13	Walkways	2	S13	Switch Movn.	0	Electrical Dept.			M5	Gears, Racks	2
B14	Ladders, Rings	3	S14	Levers, Crnks.	0	No.	Item	Code	M6	Worms	0
B15	Counterwts.	0	S15	Derails	0	E1	Motors	VAR HP 1	M7	Oper. Rods	2
B16	Track Girders	0	S16	Rail Locks	0	E2	Voltage	480V-24VDC	M8	Boilers	0
B17	Roll Girders	0	S17	Rail Insul.	2	E3	AC or DC	BOTH 2	M9	Indicators	2
B18	Guides, Rollrs	3	S18	Track Circuit	2	E4	Serv. Supply	2	M10	Lubricators	3
B19	Bridge Alignm.	3	S19	Elec Contacts	0	E5	Switch Panel	2	M11	Fire Prot.	2
B20	Oper. Cables	0	S20	Limit Switches	0	E6	Protection	2	M12	Operation	2
B21	Ctr. Wt. Cbls.	0	S21	Indicators	2	E7	Wiring	4	M13	Noises	2
B22	Sheaves	3	S22	Lubrication	0	E8	Relays	2	M14	Other _____	0
B23	Control Room	2	S23	Catenary	0	E9	Limit Swtchs	2	Meter Readings		
B24	Machine Room	0	S24	Telephones	2	E10	Indicators	2	M15	Strt. Op	AMP
B25	Cleanliness	2	S25	Radio, RR	2	E11	Rheostats	1	M16	Run Open	AMP
B26	Paint	3	S26	Radio, Marine	0	E12	Meters	2	M17	Strt. Cls.	AMP
B27	Fire Prot.	1	S27	Cleanliness	2	E13	Controllers	2	M18	Run Cls.	_____
B28	Life Presvrs.	2	S28	Other _____		E14	Elec. Brakes	1	Standby Power		
B29	Test Opening	2	S29	_____		E15	Ground Conn.	2	M19	Type _____	_____
B30	Qualified Opr.	1	S30	_____					M20	Date Tested	_____

*Use MW 203 reports to show details

B32 Other _____
 Remarks: **NAV CABLES (2 of 3) (HAVE DAMAGED CONDUCTORS, STILL USABLE)**
Contractors should come back and finish off concrete to top off Piles.

Use Supplemental Sheet For Additional Notes or Sketches

Signatures of those employees making this inspection

Structures Department _____	Title B&B Inspector
C&S Department _____	Title C&S Maintainer
Track Department _____	Title _____
Electrical Department _____	Title Electrician
Mechanical Department _____	Title Electrician
Reviewed By _____	Supvr. of Structures _____ Division Engr.