Elmore

4955	Superstructure	Bearing Devices	Rear (south) abutment bearing 01 and 03 are rusted.
4956		PCS	Minor spot rust throughout (<2% overall). PCS chalking and fading throughout.
21063006	Deck	Expansion Joint(s)	The rear (south) expansion joint is filled with debris.

Milepost: 83.3

Inspection Date: 7/1/2021 11:43:2

Latitude 41.448966611 **Longitude** -83.262000889

Description:
N. Coast Inland Trail (Conrail RR)
(Penn C RR)

SFN: 7228562

Paint Type/ Year:

Deck Summary:	7	**Operational Status:**	A
Substructure Summary:	6	**Channel Summary:**	N
Superstructure Summary:	6	**Culverts Summary:**	N

Beam to Backwall					
Beam No.	**Dir:**	**Dist:**	**Beam No.**	**Dir:**	**Dist:**
	Dir:	**Dist:**		**Dir:**	**Dist:**

Line ID	General Area	Specific Area	Dir	Deficiency	Date Corrected
4958	Approach	Slab(s)	E	Approach slab has hairline transverse cracks. (Cracks sealed).	
4959		Slab(s)	E	Rear (west) abutment slab has several asphalt patches, stalls and loose concrete, especially at the joints.	
4960		Slab(s)	E	Forward (east) approach slab has longitudinal cracks. Cracks progress through approach barriers. Some cracks have been patched, but the patches are cracking.	
4961	Deck	Drainage	W	Drainage scuppers are partially filled with debris but downspouts are clear.	
4962		Expansion Joint(s)	E	Forward (east) abutment joint has no protection in bays 12 through 15. Over that length there is a 4 inch gap exposing the abutment backwall deck underside a sad abutment seat. The remaining length of the joint has a steel cover plate.	
4963		Expansion Joint(s)	W	Forward (east) abutment joint armor has potentially shifted in middle/left lane and joint filler is missing in right (south) lane. There is 10€ plate running full length of joint. Audible impact when under live load.	
4964		Expansion Joint(s)	W	Forward (east) abutment joint is partially full of debris.	
4965		Expansion Joint(s)	W	Forward (east) abutment joint leaks causing visible rust stains on backwall.	
4966		Expansion Joint(s)	W	Forward (east) abutment joint produces a heavy clank between beams 02 and 04 when under live load.	

4967	Deck	Expansion Joint(s)	W	Rear (west) abutment joint leaks.
4968		Floor / Slab	E	Floor has transverse cracks with efflorescence at 5' spacing in the 3rd lane section of the deck. - isolated elsewhere.
4969		Floor / Slab	W	Floor has transverse cracks throughout, some with efflorescence.
4970		Floor / Slab	W	Minor spall in driving lane near forward (east) abutment joint.
4971		Median	E	Right (south) face of median barrier has vertical and horizontal cracks with efflorescence.
4973		Median	W	Left (north) face of median barrier has horizontal and vertical cracks with efflorescence throughout.
4974		Median	W	Top of median barrier is heavily cracked on top with small popouts and vertical cracks.
4975		Railing	E	Exterior face of the right (south) parapet has vertical cracks with efflorescence throughout -- primarily at control joints and bumpouts (3 linear foot spall due to wood at pier 2).
4976		Railing	E	Interior face of right (south) parapet has minor scaling throughout. Cracking with efflorescence throughout.
4977		Railing	W	Interior face of left (north) parapet is scaled, spalled, and gouged throughout. Most severe at forward (east) end.
4978		Slab(s)	W	Edge of slab is delaminated and cracked with efflorescence and rust staining along the underside of the rear (west) abutment joint.
4979		Wearing Surface	E	Deck is showing signs of wearing throughout travel lanes.
4980		Wearing Surface	E	Drainage grates are full of debris, but scuppers and downspouts are clear.
4981		Wearing Surface	W	Wearing surface is scaling in left (north) shoulder.
4982	Substructure	Abutment Caps	E	Forward (east) abutment seat has debris in all bays; it is worst in bays 12 through 15.
4983		Abutment Caps	E	Forward (east) abutment seat is saturated and water is ponding due to failed joint.
4984		Abutment Caps	E	Rear (west) abutment seat has debris in all bays, and it is worst in bays 11 through 15 due to leaking joint.
4985		Abutment Caps	W	Forward (east) abutment seat is saturated and has debris is bays 02-05.
4986		Abutment Caps	W	Rear (west) abutment seat has ponding water and debris.

4987	Substructure	Abutment Caps	W	Rear (west) abutment stem is map cracking with efflorescence below bearing 01.
4988		Abutment Walls	E	Forward (east) abutment stem has map and vertical cracks, spalls and rust staining and efflorescence.
4989		Abutment Walls	E	Rear (west) abutment stem has vertical cracks with efflorescence and minor spalls throughout.
4990		Abutment Walls	E	On the Forward (east) abutment there is a spall with exposed reinforcement under bearing 15 (1 SF).
4991		Abutment Walls	E	Forward (east) abutment bays 12 - 15 diaphragms have corrosion with section loss on bottom flange.
4992		Abutment Walls	W	Forward (east) abutment stem has two spalls with exposed rebar (7 SF total) in bay 01.
4993		Abutment Walls	W	Forward (east) abutment stem has vertical cracks with efflorescence with minor cracks elsewhere.
4994		Abutment Walls	W	Rear (west) abutment stem under bays 01-04 moderate vertical and horizontal cracks with efflorescence.
4995		Backwalls	E	Forward (east) abutment backwall has map and vertical cracks, spalls, rust staining and efflorescence.
4997		Backwalls	W	Forward (east) abutment backwall has vertical cracks with efflorescence with minor cracks elsewhere.
4998		Backwalls	W	Forward (east) abutment backwall is spalled in bay 03 (2 SF).
4999		Backwalls	W	Rear (west) abutment backwall is cracked in throughout with light efflorescence and rust staining from leaking joint.
5000		Bearing Devices	E	Forward (east) abutment bearing 14 has failed, beam deflects up to 1" under live load -- causing creaking.
5001		Bearing Devices	E	Forward (east) abutment bearing 15 deflects under live load.
5002	Superstructure	Bearing Devices	W	Rear (west) abutment bearing 07 is floating to form laminar rust.
5003	Substructure	Pier Barrier / Crashwall	E	Pier 01; Crashwall has vertical cracks.
5004		Pier Barrier / Crashwall	E	Pier 03; Crashwall has vertical cracks.
5005		Pier Barrier / Crashwall	E	Pier 03; Crashwall joints are cracked, spalled and leaking.

5006	Substructure	Pier Barrier / Crashwall	E	Pier 02 has minor vertical and horizontal cracks.
5007		Pier Barrier / Crashwall	W	Pier 01; Crashwall has minor spalls and vertical cracks with efflorescence.
5008		Pier Barrier / Crashwall	W	Pier 03 crashwall has isolated vertical cracks, most have been painted over.
5009		Pier Columns / Bents	W	Pier 01: Column 03 has minor spalling at top of column.
5010		Wingwalls	E	Forward (east) abutment, right (south) cheekwall is map cracked with efflorescence and delaminated areas.
5011		Wingwalls	E	Southwest cheekwall has hairline vertical cracks.
5012		Wingwalls	W	Forward left (northeast) wingwall has minor vertical cracks with efflorescence.
5014		Wingwalls	W	Rear left (northwest) wingwall minor vertical and horizontal cracks, some with rust stains.
5015	Superstructure	Beams / Girders	E	Rear (west) abutment: Beams 16, 15, 13, and 11 have corrosion with section loss.
5016		Beams / Girders	W	Bay 01: Beams sag at 1st beam splice locations.
5017		Beams / Girders	W	Laminating corrosion at beam ends.
5018		Bearing Devices	E	Forward (east) abutment bearings 11, 13-15 are expanded at 40°F and 36°F (75 F 2021).
5019		Bearing Devices	E	Forward (east) abutment bearings 12-16 have heavy corrosion and pack rust and shims have rusted away.
5020		Bearing Devices	E	Pier 01; Bearings 9, 10 and 11 are expanded at 36°F (75 F in 2021).
5022		Bearing Devices	E	Rear (west) abutment bearings are expanded at 36°F and have heavy corrosion and pack rust. Associated bearing shims have rusted away (most severe at bearings 12 - 16). (It F in 2021).
5024		Bearing Devices	E	Rear (west) abutment: bearing 15 displays visible movement under live load.
5025		Bearing Devices	E	Forward (east) abutment: Bearings 09-11 light corrosion.
5027		Bearing Devices	W	Forward (east) abutment bearings 01-05 are severely corroded and expanded.
5028		Bearing Devices	W	Pier 03: bearings 06 is contracted at 80°F.
5029		Bearing Devices	W	Rear (west) abutment bearings 01-05 are heavily rusted. Bearings 01 and 05 are expanded. Bearing 03 is contracted (80°F 2018).

5030	Superstructure	Bearing Devices	W	Rear (west) abutment heavy laminating corrosion bearing 08.
5031		Bearing Devices	W	Forward (east) abutment bearings 06 and 07 are slightly contracted, bearing 08 is expanded and membrane has been squeezed out.
5032		Bearing Devices	W	Forward (east) abutment bearings 06-08 have moderate laminar rust -- bearings 7 and 8 starting to corrode.
5033		Diaphragms / Cross-Frames	E	Diaphragms between beams 12-15 at forward (east) and rear (west) abutments have deterioration due to paint loss, with minor section loss.
5034		Diaphragms / Cross-Frames	W	Diaphragm connections are producing abrasion dust under live truck load throughout. isolated rivets have worked loose and are producing abrasion dust at the channel to stiffener interface. Diaphragms creak under live load.
5035		Diaphragms / Cross-Frames	W	Forward (east) abutment end diaphragms have laminating corrosion.
5036		PCS	E	Paint has scattered failed areas throughout (15% overall).
5037		PCS	W	Localized paint failures throughout, primarily at beam ends, abutment diaphragms, and bearings. Flaking, 15% top coat peeling, 3% exposed steel.
5038		Slab(s)	W	Left (north) barrier has a spall with exposed rebar just forward (east) of the forward (east) abutment joint.
5039	Utility	Utilities	E	Utility pipe attached to left (north) face of beam 15. Currently not in use (near forward (east) abutment).
18715	Superstructure	Bearing Devices	W	Forward (east) abutment bearings 04 and 05 deflect when under live load.
18716		Diaphragms / Cross-Frames	W	Forward (east) abutment end diaphragm in bay 04 deflects when under live load.
18717		Bearing Devices	W	Pier 03 bearings 01-05 have moderate laminate rust.
18718	Approach	Slab(s)	W	Forward (east) abutment approach slab has full length transverse cracks every 6-8€™.
21070100	Deck	Wearing Surface	E	There is water ponding on the forward right (southeast) corner of the deck.
21070102	Substructure	Slope Protection	E	There are animal holes in the forward (east) slope protection.
21070104		Pier Barrier / Crashwall	E	Water is ponding at the base of the pier 3 crashwall and moisture is present on top of the wall and at the base of the columns in between columns 10 through 14.
21070106		Backwalls	E	Rear (west) abutment backwall has vertical cracks with efflorescence and minor spalls throughout.

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21070108	Deck	Expansion Joint(s)	E	The rear (West) expansion joint is failing. There is heavy leaking and debris falling to the backwall and seat.
21070110		Expansion Joint(s)	E	There are animal holes in the rear (west) slope protection.

Milepost: 83.3

Inspection Date: 6/30/2021 8:31:2

Latitude 41.448202694 **Longitude** -83.2599705

Description:
Waggoner Road - CR 82

SFN: 7228597

Paint Type/ Year:
IZEU-2000

Deck Summary:	7	**Operational Status:**	A
Substructure Summary:	7	**Channel Summary:**	N
Superstructure Summary:	7	**Culverts Summary:**	N

Beam to Backwall				
Beam No. E	**Dir:** E **Dist:** 3"		**Beam No.** W	**Dir:** E **Dist:** 3"
	Dir: W **Dist:** 4"			**Dir:** W **Dist:** 4"

Line ID	General Area	Specific Area	Dir	Deficiency	Date Corrected
5041	Approach	Slab(s)	E	Forward (east) slabs have hairline longitudinal cracks and scaling adjacent to abutment/approach slab joint.	
5042		Slab(s)	E	Rear (west) slabs have longitudinal cracks.	
5043		Slab(s)	W	Forward (east) approach slab is spalled in left lane.	
5044	Deck	Floor / Slab	E	Floor has transverse cracks with efflorescence in the third lane portion of deck.	
5045		Median	E	Right (south) face of median barrier has a vertical crack with efflorescence (some horizontal and shrinkage).	
5046		Median	W	Left (north) face of median barrier has horizontal and full height vertical cracks with efflorescence.	
5047		Median	E	Median barrier has a large (5 linear foot) spall with exposed rebar due to impact over pier 1.	
5048		Median	E	Median barrier has spall with exposed rebar at toe at forward (east) upper slab/upper pavement joint.	
5049		Railing	E	Exterior face of right (south) parapet has minor vertical cracks with efflorescence on the bump out, mostly at the joints.	
5050		Railing	E	Left (north) and Right (south) railing have spalls and exposed reinforcement at forward (east) abutment expansion joint. (On toe of barrier).	