Castalia

Milepost: 107.5

Description:
Deyo Road - TR 102

SFN: 2228874

Inspection Date: 7/8/2021 2:20:20

Paint Type/ Year:
OZEU/2018

Latitude 41.347631611 **Longitude** -82.8167485

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

Beam to Backwall							
Beam No.	**Dir:**	N	**Dist:** 2.5"	**Beam No.**	**Dir:**	N	**Dist:** 2.5"
N	**Dir:**	S	**Dist:** 2.5"	S	**Dir:**	S	**Dist:** 2.5"

Line ID	General Area	Specific Area	Dir	Deficiency	Date Corrected
6784	Approach	Approach Wearing Surface		Approach pavement is cracking at forward (north) end.	
6785		Guardrail		Forward (north) guardrail posts are completely rotted.	
6786		Railing		Cracks in exterior face of rear right (southeast) approach railing.	
6787	Deck	Expansion Joint(s)		Pier 01; Expansion joint is slightly uneven and snow plow bars are gone. There is also isolated areas of plow damage, and joint is full of debris.	
6788		Expansion Joint(s)		Rear (south) abutment joint is closed (vertically misaligned 2020), adjacent scaling.	
6789		Floor / Slab		Hairline cracks throughout underside.	
6790		Railing		Interior face of right (east) and left (west) parapets are scaling and have minor vertical cracks.	
6791		Railing		Isolated fence posts are loose on left (west) side.	
6792		Railing		Rear left (southwest) transition barrier has a longitudinal crack on top face with potential delamination beneath guardrail connection.	
6793	Substructure	Pier Caps		Pier 01; pedestal 03 is spalled/delaminated (north).	
6794	Deck	Edge of Floor / Slab		Edge of slab is horizontally cracked throughout right (east) and left (west) sides below the bump out.	
6795		Expansion Joint(s)		Pier 03; Expansion joint is slightly uneven and snow plow bars are gone. There is also isolated areas of plow damage and is full of debris.	
6796		Wearing Surface		Wearing surface exhibits heavy wear (aggregate showing) throughout. Spall in Span 01 SB lane.	

6797	Substructure	Abutment Caps	Rear (south) abutment pedestal 01 is spalled to rebar, with no loss of bearing area.
6798		Abutment Walls	Forward (north) abutment stem has 10 vertical cracks throughout. Backwall has 7 vertical cracks.
6799		Abutment Walls	Rear (south) abutment stem have hairline cracks throughout and on backwall.
6800		Abutment Walls	Rear (south) abutment spalled to rebar under beam 03.
6801		Pier Barrier / Crashwall	Pier 02; Barrier has map cracks on both faces.
6802		Pier Caps	Pier 01; Cap is horizontally and vertically cracked throughout, most severe on left (west) face; also some map cracking in patches.
6803		Pier Caps	Pier 02; Cap has a vertical crack at the left (west) end.
6804		Pier Caps	Pier 03; Cap is diagonally cracked below bearing 01 and into pedestal.
6805		Pier Caps	Pier 03; Cap and column patches are cracked and saturated.
6806		Pier Caps	Pier 03; Cap underside is map cracked.
6807		Pier Caps	Pier 01, cap has delaminations throughout.
6808		Pier Columns / Bents	Pier 01; Columns are vertically cracked.
6809		Pier Columns / Bents	Pier 01; Column 01 patches are map cracked.
6810		Slope Protection	Forward right (northeast) and forward left (northwest) embankments have minor erosion along the wingwalls and animal holes.
6811		Slope Protection	Forward (north) abutment slope has animal holes, with a loss of slope protection.
6812		Slope Protection	Rear (south) abutment slope has animal holes, with a loss of slope protection.
6813		Slope Protection	Rear right (southeast) embankment is eroded along he wingwalls.
6814		Wingwalls	Rear right (Southeast) and rear left (southwest) wingwall has minor cracking.
6815	Superstructure	Beams / Girders	Beams have minor pitting on bottom flanges throughout (cleaned and painted).
6816		Beams / Girders	Beams have section loss up to 1/4" to bottom flange off fascia beams (cleaned and painted).

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6817	Superstructure	Bearing Devices	Forward (north) abutment Bearings; All bearings have lift between masonry plate and pedestal due to cleaned and painted pack rust.
6818		Bearing Devices	Rear (south) abutment bearings 04 and 05 are floating.
6819		Bearing Devices	Forward (north) abutment bearing 02 lifted 1" due to cleaned and painted pack rust. Bearing 03 has minor lift.
6820		Bearing Devices	Pier 01, bearing 04, masonry plate is lifted up due to pack rust.
6821		Bearing Devices	Pier 03, span 04, bearing 01 is in a groove limiting expansion and contraction.
18331	Deck	Expansion Joint(s)	Forward (north) abutment joint is bulging and is vertically misaligned, adjacent scaling.

Milepost: 108.3

Description:
Mills Creek

SFN: 2228890

Inspection Date: 7/8/2021 5:34:52

Paint Type/ Year:
IZEU-1996

Latitude 41.347192194 **Longitude** -82.802292889

Deck Summary:	7	**Operational Status:**	A
Substructure Summary:	7	**Channel Summary:**	8
Superstructure Summary:	7	**Culverts Summary:**	N

Beam to Backwall

Beam No.			Beam No.		
E	**Dir:** E	**Dist:** 9.5"	W	**Dir:** E	**Dist:** 9.5"
	Dir: W	**Dist:** 6.5"		**Dir:** W	**Dist:** 6.5"

Line ID	General Area	Specific Area	Dir	Deficiency	Date Corrected
6822	Approach	Slab(s)	E	Rear (west) abutment slab has spall (2 SF) along approach/abutment slab joint.	
6823		Slab(s)	E	Forward (east) approach slab has longitudinal crack.	
6824	Channel	Note	E/W	Channel flows from right (south) to north.	
6825		Protection	E	Right (south) channel protection is cracked, fractured and spalled on the forward (east) and rear (west) sides.	
6826		Protection	W	Forward channel concrete slope protection is cracked on both sides.	
6828	Deck	Drainage	W	Floor is spalled along the downspouts.	
6829		Expansion Joint(s)	E	Rear (west) abutment joint seal has tear, can see daylight through.	