

## Oregon Department of Transportation Bridge Inspection Report

<b>District :</b> 14	<b>Structure :</b> Canyon Creek, NW 3rd Ave	<b>Bridge ID :</b> 23B004
<b>Fac Crossed :</b> CANYON CREEK	<b>Owner :</b> City/Municipal Hwy Agenc	<b>Fac Carried :</b> NW 3RD AVE
<b>Suff Rating :</b> 98.0	<b>County :</b> Grant	<b>Mile Point :</b> 0.10 mi
<b>AC Depth :</b> 3.00	<b>Record Type :</b> 1	<b>Insp Date :</b> 08/27/2021
<b>Bridge Length :</b> 44.00 ft	<b>Insp Freq :</b> 24	<b>Inspector 1 :</b> JOHN HARMS (C0079)
	<b>Bridge Width :</b> 42.00 ft	<b>Inspector 2 :</b>

**Signature:** \_\_\_\_\_

### Element Condition States (New AASHTO report)

Element	Structure Unit	Environment	Quantity	Units	CS 1	CS 2	CS 3	CS 4	Temp
<b>39-Prestressed Slab</b>	<b>1</b>	<b>3</b>	<b>1848</b>	<b>(SF)</b>	<b>1590</b>	<b>256</b>	<b>2</b>	<b>0</b>	
1081-Soffit Spalls/Delams/Patches	1	3	32	(SF)	0	32	0	0	
1090-Exposed Rebar	1	3	2	(SF)	0	0	2	0	
1131-Soffit Cracking (RC, PSC)	1	3	224	(SF)	0	224	0	0	
511-AC Wearing Surface	1	3	1848	(SF)	1848	0	0	0	
<b>215-Re Conc Abutment</b>	<b>1</b>	<b>3</b>	<b>84</b>	<b>(LF)</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	
1130-Cracking (RC and Other)	1	3	6	(LF)	6	0	0	0	
<b>306-Other Joint</b>	<b>1</b>	<b>2</b>	<b>62</b>	<b>(LF)</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>330-Metal Bridge Railing</b>	<b>1</b>	<b>2</b>	<b>135</b>	<b>(LF)</b>	<b>47</b>	<b>88</b>	<b>0</b>	<b>0</b>	
1000-Corrosion	1	2	88	(LF)	0	88	0	0	
515-Steel Protective Coating	1	2	540	(SF)	120	300	100	20	
<b>980-Approach Roadway Embank</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>(EA)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>999-Roadway Impact</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>(EA)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	

### Appraisal

Appraisal	NBI #	Rating
Scour	113	4 Stable, needs action
Bridge Rail	36A	1 Meets Standards
Transitions	36B	0 Substandard
Approach Rail	36C	0 Substandard
Rail Ends	36D	0 Substandard

### NBI Category

Category	NBI #	Rating
Deck Condition	58	7 Good
Superstructure	59	6 Satisfactory
Substructure	60	7 Good
Channel	61	7 Minor Damage
Culvert/Retaining Walls	62	N N/A (NBI)

Appraisal	NBI #	Rating
Structural	67	6 Equal Min Criteria
Deck	68	6 Equal Min Criteria
Clearance	69	N Not applicable (NBI)
Waterway	71	8 Equal Desirable
Approach Alignment	72	6 Equal Min Criteria

### Remarks

#### 39-Prestressed Slab SU 1 ENV 3

SPAN1-G1-SW BOTTOM OF SLAB HAS BLOWN OUT DUE TO WATER ICE INTRUSION INTO DRAIN HOLE FROM ABOVE. 1/3 (2" DEEP X 2.5' WIDEX 12' LONG) OF THE SLAB HAS DELAMINATED EXPOSING PS TENDONS W/ CORRISSON ON STRADS. LOSS OF BOND STRENGTH TO TENSONS. NO NICKS OR CUTS EXIST TO THE STRANDS, PATCHED IN 2014.

SPAN1-G8-12" X 2" X 1" SPALL AT MIDSPAN, PATCHED IN 2014. G8-SMALL SPALL W/ EXPOSED REBAR, PATCHED IN 2014

NON-STRUCTURAL H.L. CRACKS UNDERSIDE P\S SLABS.

#### 1081-Soffit Spalls/Delams/Patches

ALL SPALLS EXPOSING REINFORCING AND PRESTRESSING TENDONS HAVE BEEN PACHED IN 2014, ALL PATCHES SOUND. STILL SOUND IN 2017. PATCH STARTING TO DELAM A WEST END (2019) PATCHES ARE DELAMING IN 2021.

SMALL SPALL IN GIRDER 1

#### 1090-Exposed Rebar

GIRDER 8 - SMALL SPALL WITH EXPOSED REBAR TOWARD WEST ABUTMENT, REBAR HAS SOME SECTION LOSS

#### 1131-Soffit Cracking (RC, PSC)

HAIRLINE LONGITUDINAL CRACKS FOUND IN THE FOLLOWING LOCATIONS.

GIRDER 1 EAST HALF OF SLAB, GIRDER 2 FULL LENGTH,

GIRDER 2, LONGITUDINAL CRACK WITH MOISTURE STAINING.

GIRDER 3 MIDDLE HALF OF SLAB,

GIRDER 6 FULL LENGTH,

GIRDER 8 FULL LENGTH.

GIRDER 9 HAIR LINE CRACK.

G6-0.10 INCH CRK. AT COLD JOINT MIDSPAN.

#### 215-Re Conc Abutment SU 1 ENV 3

WEST EMBANKMENT SLOUGHED DUE TO CHANNEL ACTION---

#### 306-Other Joint SU 1 ENV 2

JOINTS SEALED

#### 330-Metal Bridge Railing SU 1 ENV 2

#### 1000-Corrosion

PARTS OF THE GALVINIZING FAILING EXPOSING METAL, EXPOSED METAL HAS SURFACE RUST.

#### 999-Roadway Impact SU 1 ENV 1

TRAFFIC BUMPS

### Notes

#### Inspection Notes

THE DAMAGED SLAB HAS BEEN PATCHED IN 2014, TRAFFIC HAS BEEN REROUTED OFF OF THE DAMAGED SLAB WITH ANEW BRIDGE RAIL INSTALLED. NEW SIDEWALK AND PEDESTRIAN RAIL INSTALLED ON DAMAGED SLAB, SLAB ONLY RECEIVES PEDESTRIAN TRAFFIC. JH 8-7-2015 7/15/2019 Per the single-section hydraulic analysis, 100-year scour depth is 4.94 feet and the avg. velocity is 9.46 fps. Piles are embedded 20 feet per plans. No riprap, so monitor for scour at abutments. Scour code stays as a 4. HMW Field trip 8-31-2010. Single span prestress box w/pile. No scour

gravel against abutment. Channel is narrow & bridge is longer than the channel width. No riprap. Scour code 113 goes from U to 4. HMW. POSTED FOR 30T GROSS

#### Bridge Notes

Detour map added and length changed by Erick Cain 03/24/2010.

#### Bridge Hydraulics Notes

#### Maintenance Recommendations

As of: 2/24/2022

Priority	Crew	Wrk Cnd	Notes	Est.cost	Status	Rec Date
*Completed items not included on default search						

#### Load Rating

Rating Date :	12/13/2001	Posting Req :	5 At/Above Legal Loads
Design Load :	5 MS 18 (HS 20)	Posting Status :	A Open, no restriction
Operating Load :	67 ton	OR Method :	1 LF Load Factor
Inventory Rating :	40 ton	IR Method :	1 LF Load Factor

Truck	Rating Factor	% Below	Posting Required	Controlling Member	Actual Posting	Posting Date
Type 3	2.30	5 At/Above Legal Loads	No	Int.Girder, span 1 of 1 +M at 0.5L		
Type 3S-2	2.19	5 At/Above Legal Loads	No	Int.Girder, span 1 of 1 +M at 0.5L		
Type 3-3	2.32	5 At/Above Legal Loads	No	Int.Girder, span 1 of 1 +M at 0.5L		
SU4						
SU5						
SU6						
SU7						
EV2						
EV3						

#### Load Rating Notes

#### Load Rating Condition Comparison Chart

Category	NBI #	Rating Condition	Current Condition
Traffic Impact		6 Satisfactory	CS2
Deck Condition	58	7	7

Category	NBI #	Rating Condition	Current Condition
Superstructure	59	7	6
Substructure	60	8	7
Temporary Repairs	103		
Wearing Surface Thickness		3.00	3.00

### Inspection Schedule

Activity	Conducted On	Frequency	Next Inspection
Routine Inspection	08/27/2021	24	08/01/2023
X-Channel	08/27/2021	48	08/01/2025

## Oregon Department of Transportation Structure Inventory and Appraisal Report

**Suff Rating: 98.0**

**Bridge NO: 23B004**  
**Insp Date: 08/27/2021**

(2) Highway District	District 14	(42A) Type Service On	5	(76) Improvement Length	
(3) County	Grant	(42B) Type Service Under	5		
(4) City	37550	<b>(43) Struct Main</b>	<b>5 Prestressed Concrete 01 Slab</b>	(90) Inspection Date	08/27/2021
(5) Inventory Route	151C00000	<b>(44) Struct Appr</b>	<b>0 Not Applicable 00 Not Applicable</b>	(91) Inspection Frequency	24
(6) Feature INT	CANYON CREEK	<b>(45) Number Main Spans</b>	<b>1</b>	(92) Critical Feat Insp (A) Fracture Critical (B) Underwater Insp	
(7) Facility Carried	NW 3RD AVE	(46) Number Appr Spans	0	(94) Cost of Improvement	
(8) Structure Number	23B0040000000000	(47) Horizontal Clearance	31.10 ft	(95) Roadway Improvement	
(9) Location	0.1 M N. HWY 26	(48) Maximum Span Length	42.00 ft	(96) Project Improvement	0
(10) Vert Clearance	99.98 ft	(49) Structure Length	44.00 ft	(97) Year of Improvement	
(11) Mile Post	0.10 mi	(50A) Sidewalk Width LT	4.30 ft	(98) Border BRST-Code	
(12) Base Highway Network	0	(50B) Sidewalk Width RT	4.30 ft	(100) Defense Highway	0
(13) LRS Inventory Route	000000000000	<b>(51) Bridge Roadway Width</b>	<b>31.10 ft</b>	(101) Parallel Structure	N
(16) Latitude	44° 25' 10.59"	<b>(52) Deck Width</b>	<b>42.00 ft</b>	(102) Direction of Traffic	2
(17) Longitude	118° 57' 29.55"	<b>(53) Vert Clear Over Deck</b>	<b>99.99 ft</b>	<b>(103) Temporary Structure</b>	
(19) Bypass Detour	1.36 mi	(54) Vert Clear Under Deck	N 0.00 ft	(104) Highway System	0
(20) TOLL	3 On free road	(55) Min Lat Underclear CD	N 0.00 ft	(105) Federal Lands HWY	0
(21) Custodian	CTY/MUN Hwy AGCY	(56) Min Lat Underclear	L 0.00 ft	(106) Year Reconstructed	

(22) Owner	City or Municipal Highway Agency	(58) Deck	7	(107) Deck Structure	9
(26) Func Class	09 Rural Local	(59) SuperStructure	6	(108) Wearing Surface	600
(27) Year Built	1989	(60) SubStructure	7	(109) Truck ADT	2%
(28) Lanes	on: 2 / under: 0	(61) Channel	7	(110) Designated National Network	0
(29) Average Daily Traffic	364	(62) Culvert	N	(111) Pier Protection	
(30) Year of ADT	2020	(63) Oper Rating Method	1	(112) NBIS Bridge Length	Y
(31) Design Load	5 MS 18 (HS 20)	(64) Operating Rating	67.00 ton	(113) Scour Critical Bridge	4
(32) Approach Roadway	32.00 ft	(65) Inv Rating Method	1	(114) Future ADT	423
(33) Bridge Median	0 No median	(66) Inventory Rating	40.00 ton	(115) Year of Future ADT	2025
(34) Skew	0°	(67) Structure Condition	6	(116) Vert-Lift Clearance	
(35) Structure Flared	0 No flare	(68) Deck Geometry	6	(117) Est Maint Cost	
(36) Traffic Safety Feature	1000	(69) Underclearance	N	(118) Culvert Length	
(37) Historical Significance	5	(70) Posting	5	(119) Culvert Inside Height	
(38) Navigation Control	0	(71) Waterway Adequacy	8	(120) Inspector	JOHN HARMS (C0079)
(39) Navigation Vert Clear	0.00 ft	(72) APPR RDWY Alignment	6	(122) Highway/CO RD	000000
(40) Navigation Horz Clear	0.00 ft	(75) Type of Work		(125) Embankment Erosion	5
(41) Open Status	A				
Quality Assurance:					
WS Depth	3.00	(51) Bridge Roadway Width	31.10 ft	(70) Posting	5
(28) Lanes	on: 2 / under: 0	(52) Deck Width	42.00 ft	(71) Waterway Adequacy	8
(32) Approach Roadway	32.00 ft	(53) Vert Clear Over Deck	99.99 ft	(72) APPR RDWY Alignment	6
(36) Traffic Safety Feature	1000	(58) Deck	7		
(41) Open Status	A	(59) SuperStructure	6	(103) Temporary Structure	
(43) Struct Main	5 Prestressed Concrete 01 Slab	(60) SubStructure	7	(108) Wearing Surface	600
(44) Struct Appr	0 Not Applicable 00 Not Applicable	(61) Channel	7	(113) Scour Critical Bridge	4
(45) Number Main Spans	1	(62) Culvert	N		

**Bridge Clearance Documents: Not Available**

**Bridge Detours Maps:** [23B004.tif](#)

**Bridge Images:** [IM23B004\\_A0.jpg](#) [IM23B004\\_A1.jpg](#) [IM23B004\\_A10.jpg](#) [IM23B004\\_A2.jpg](#) [IM23B004\\_A3.jpg](#) [IM23B004\\_A4.jpg](#) [IM23B004\\_A5.jpg](#) [IM23B004\\_A6.jpg](#) [IM23B004\\_A7.jpg](#) [IM23B004\\_A8.jpg](#) [IM23B004\\_A9.jpg](#)

**Job Hazard Assessment: Not Available**

**Cross Channel Documents:** [XC23B004.pdf](#)  
**Gusset Plate Documents:** Not Available  
**Fracture Critical Inspection Documents:** Not Available  
**Fatigue Prone Assessment:** Not Available  
**Under Water:** Not Available  
**Scour Plan Of Action:** [POA\\_23B004.PDF](#)  
**Timber Boring:** Not Available  
**Pin Hanger:** Not Available  
**Deck Surveys:** Not Available  
**Draw Bridges:** Not Available  
**Supplemental:** Not Available  
**Critical Findings:** Not Available  
**Tunnel Maps:** Not Available  
**Tunnel Access:** Not Available