

BRIDGE INSPECTION REPORT

Status: Released

Printed On: 3/4/2021

Agency: FEDERAL WAY

CD Guid: b3ee4f92-9d16-4127-b3a3-d15db7ceed7f

Release Date: 11/17/2020

Program Mgr: Roman G. Peralta

Br. No. 3005A

SID 08822700

Br. Name HYLEBOS CREEK

Carrying S 373RD ST

Route On 20600

Mile Post 0.31

Intersecting HYLEBOS CREEK

Route Under

Mile Post

DocuSigned by:

Margaret Germain

Inspector's Signature MAG Cert # G1103 Cert Exp Date 5/12/2021

DocuSigned by:

Justin Chan

Co-Inspector's Signature JJC

				Inspections Performed:			
				Freq	Hrs	Date	Rep Type
4	Structural Eval (1657)	28	Operating Tons (1552)	0			
5	Deck Geometry (1658)		Op RF (1553)	1			
9	Underclearance (1659)	17	Inventory Tons (1555)	1			
8	Alignment (1661)		Inv RF (1556)	1			Fract Crit
8	Deck Overall (1663)	5	Operating Level (1660)	1			UW
8	Superstructure (1671)	A	Open/Closed (1293)	2.50			Special
8	Substructure (1676)	7	Waterway (1662)	0.00			Interim
9	Culvert (1678)	5	Scour (1680)	50.0			UWI
8	Chan/Protection (1677)		Soundings Flag (2693)	2006			Damage
N	Pier/Abut/Prot (1679)		Revise Rating (2688)	0			PRM Safety
9	Drain Cond (7664)		Photos Flag (2691)	Y			SEC Safety
0	Drain Status (7665)		Measure Clrnc (2694)				Condition
N	Deck Scaling (7666)	9	Sdwk Cond (7673)				Short Span
	Scaling Pct (7667)	9	Paint Cond (7674)				In Depth
8	Deck Rutting (7669)	6	Approach Cond (7681)				Geometric
8	Exposed Rebar (7670)	9	Retaining Wall (7682)				
9	Curb Cond (7672)	9	Pier Prot (7683)				
				Alpha Span Type: PCS			
				Sufficiency Rating: 66.34			
				Status:			
				Routine Risk Category: Low Risk			
				Underwater Risk Category:			

BMS Elements							
Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
13	Bridge Deck Surface	980	SF	980	0	0	0
35	Concrete Deck Soffit	980	SF	980	0	0	0
215	Concrete Abutment	70	LF	70	0	0	0
241	Concrete Culvert	35	LF	35	0	0	0
331	Concrete Bridge Railing	70	LF	70	0	0	0
340	Metal Pedestrian Railing	70	LF	70	0	0	0
361	Scour	2	EA	2	0	0	0
400	Asphalt Butt Joint Seal	70	LF	0	0	70	0
800	Asphaltic Concrete (AC) Overlay	980	SF	950	0	30	0

Notes	
0	<p>ORIENTATION: Bridge is west to east. Abutment 1 is west. Segment A is north. Hylebos Creek flows north to south. Bridge is located 125' east of Bridge No. 3005.</p>

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Carrying S 373RD ST		Route On 20600	Mile Post 0.31
Intersecting HYLEBOS CREEK		Route Under	Mile Post

Notes (Continued)

- | | |
|------|--|
| 11 | LOAD RATING:
No load rating on file.
Coding of 28 tons operating and 17 tons inventory is from design, not calculated. |
| 13 | BRIDGE DECK SURFACE:
Covered with asphalt, see Note 800. |
| 35 | CONCRETE DECK SOFFIT:
Leaching with stalactites along longitudinal segment joints.
Segments B to F - Small transverse leaching cracks developing at segment joints near mid span. |
| 215 | CONCRETE ABUTMENT:
Leaching between joints at abutment segments of back walls.
No structural defects noted. |
| 241 | CONCRETE CULVERT:
Three-sided precast concrete rigid frame structure with 8 segments, A-H.
Segment F - several small spalls, no exposed rebar. |
| 331 | CONCRETE BRIDGE RAILING:
Scattered surface map cracking throughout.
Several vertical leaching cracks both rails. |
| 340 | METAL PEDESTRIAN RAIL:
Mounted on concrete rail.
Algae growth on posts. |
| 361 | SCOUR - FIELD:
Riprap armor in place at all corners of bridge.
2018 Clearance between bridge soffit and channel bottom at thalweg is 45". |
| 400 | ASPHALT BUTT JOINT:
West joint - open crack entire length with vegetation growth.
East joint - open crack at NE corner with vegetation growth.
Asphalt is ragged and mounded at shoulders. |
| 800 | ASPHALT OVERLAY:
Longitudinal crack at westbound lane, entire length.
Longitudinal crack 10' in length near centerline. |
| 1677 | CHANNEL PROTECTION:
Channel is centered under span. Relatively flat channel, flows through woodland area. Well vegetated banks consist of silty mud and small sized gravel. Aggregate and mud bar along both abutments. |
| 1686 | GUARDRAILS:
Timber posts are weather checked. |
| 2688 | REVISE RATING NOTE:
No load rating on file for this structure. |
| 7672 | CONCRETE CURB:
Concrete curbs at approaches only.
Curbs are not bearing near bridge joints due to settlement, up to 1" gap under curbs.
Corners have vertical cracks. |
| 7681 | APPROACH ROADWAY:
Settlement at all shoulder corners of bridge. See repairs.
NW corner - 3"
NE corner - 2.25"
SW corner - 3.5"
SE corner - 2.5" |

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Repair No	Pr	R	Repair Descriptions	Noted	Maint	Verified
10001	2	J	APPROACH SETTLEMENT: Shoulder pavement has settled up to 3.5" at all corners of bridge joints, with gaps forming. Investigate shoulder settlement to restore approaches to level transition with bridge deck. 1. Sawcut out cracked and ragged asphalt at both joints. 2. Fill with appropriate base material. 3. Repave asphalt and reform joints.	10/19/2012		
10002	2	B	TREES AND BRUSH: Branches and brush are growing over both rails, obstructing pedestrian path on shoulder and bridge end delineators. 1. Trim brush back from rail.	9/30/2014		

Inspections Performed and Resources Required

Report Type	Date	Freq	Hrs	Insp	CertNo	Coinsp	Note
Routine	8/26/2020	24	1.0	MAG	G1103	JJC	