

BRIDGE INSPECTION REPORT

WO CC WE PD
 BAM

Status: **Released**

Ver Date 10/31/2012

Printed on: 1/4/2013

Agency: ARLINGTON

Program Mgr: Grant D. Griffin

Bridge No. ARL-02 **Page 1 of 3** **Structure Type**
Bridge Name PORTAGE CREEK #247 **Route** 96855 **Intersecting** PORTAGE CREEK
Structure ID 08226400 **MilePost** 9.00 **Location** .7 S JCT SR 530

Inspector's Signature *JRH* JRH Ident# G1014
 Co-Inspector's Signature *MZ* MZ

										Inspections Performed:				
										IT	NT	HRS	Date	Rep Type
4	<input type="checkbox"/>	Structural Adqcy (657)	N	<input type="checkbox"/>	Pier/Abut/Protect (679)	1922		Year Built (332)						
4	<input type="checkbox"/>	Deck Geometry (658)	8	<input type="checkbox"/>	Scour (680)	1972		Year Rebuilt (336)		Y	24	2.0	9/24/2012	Routine
9	<input type="checkbox"/>	Underclearance (659)	6	<input type="checkbox"/>	Approach Rdwy (681)	A 28	<input type="checkbox"/>	Oper Rating (551)						Fract Crit
5	<input type="checkbox"/>	Operating Level (660)	5	<input type="checkbox"/>	Retaining Walls (682)	A 17	<input type="checkbox"/>	Inv Rating (554)						Underwater
3	<input type="checkbox"/>	Alignment Adqcy (661)	9	<input type="checkbox"/>	Pier Protection (683)	A	<input type="checkbox"/>	Open Close (293)						Special
8	<input type="checkbox"/>	Waterway Adqcy (662)	1	<input type="checkbox"/>	Bridge Rails (684)	9999	<input type="checkbox"/>	Vert Over Deck (360)						Interim
6	<input type="checkbox"/>	Deck Overall (663)	1	<input type="checkbox"/>	Transition (685)	0000	<input type="checkbox"/>	Vert Under (374)						Equipment
9	<input type="checkbox"/>	Drains Condition (664)	1	<input type="checkbox"/>	Guardrails (686)	N	<input type="checkbox"/>	Vert Und Code (378)						Damage
6	<input type="checkbox"/>	Superstructure (671)	1	<input type="checkbox"/>	Terminals (687)	0.00	<input type="checkbox"/>	Asphalt Depth						Safety
3	<input type="checkbox"/>	Number Utilities (675)	Y	<input type="checkbox"/>	Revise Rating (688)	35	<input type="checkbox"/>	Speed Limit						Short Span
6	<input type="checkbox"/>	Substructure (676)		<input type="checkbox"/>	Photos Flag (691)								Total: 2.0	
5	<input type="checkbox"/>	Chan/Protection (677)		<input type="checkbox"/>	Soundings Flag (693)									
9	<input type="checkbox"/>	Culvert (678)		<input type="checkbox"/>	Measure Clearance (694)								Suff Rating: 52.53 FO	52.56 FO

BMS Elements 14 to 361							
Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
14	Fully Supported Concrete Deck	2,968	SF	2,968	0	0	0
145	Earth Filled Concrete Arch	106	LF	106	0	0	0
331	Concrete Bridge Railing	212	LF	212	0	0	0
361	Scour	2	EA	2	0	0	0

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Notes 11 to 687

- 11
Administrative load rating should be reviewed by the City.

- 14
Deck: pcc (cip), bare concrete in good-to-fair condition, with minor transverse cracking in the riding surface and transverse leaching cracks at the overhangs. Wheel lines worn to aggregate. Deck was added atop earth-filled arch in 1972 WSDOT widening project. Seal ACP / CIP joint @ approach to minimize water intrusion into arch fill -- REPAIR.

- 145
Luten arch with deck added in 1972. Minor cracking with effloresence. Vert cracks @ springline on the SE and NW end with water trickling out. No change 2012.

- 331
Okay 2012.

- 361
No scour observed. Shallow water @ springline. No change 2012.

- 661
Sharp vertical curve at the south end of the bridge. Evidence of multiple traffic impacts on bridge rail.

- 681
Approach roadway chip sealed in 2005. 1" settlement at north/south approaches.

- 682
ACP has longitudinal crack just outside of the fogline @ NW quadrant - t.t. retaining wall w/ l-shape cantilever supports obscured by blackberries, but appears to be leaning out a little (not visible 2012).

- 686
One new section of approach rail at SW corner (collision repair). Minor scrapes throughout remainder of approach rail and bridge rail. Impact damage @ SW corner. Scrapes and additional damage @ transitions @ ea corner (2010).

- 687
3 delineators and bridge sign OK. !delineator missing @ NE corner. NW terminal damaged.

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Repairs 10000 to 10003

Repair No	Pr	R	Repair Description	Date Noted	Verified
10000	1	B	Replace guardrail post NW#7. Check SW guardrail.	12/31/2008	9/24/2010
10001	2	J	Seal ACP / CIP approach joint to minimize water intrusion into arch fill.	1/25/2011	
10002	2	J	Add fill / disperse runoff @ SE embankment.	1/25/2011	
10004	2	B	Repair guardrail: 35 lf of bent & broken posts - NE, 70 lf of impact damage - SE, 70 lf of impact damage - SW, 35 lf of impact damage - NW.	9/24/2012	
10005	2	B	Repair settlement of > 3/4" @ NW approach and bridge seat of approx. 36 sf.	9/24/2012	
10003	M	J	Check guardrail impact damage @ corners.	1/25/2011	

Inspections Performed and Resources Required

Report Type	Date	IT	Frq	Hrs	Insp	CertNo	Coinsp	Note
Routine	9/24/2012	Y	24	2.0	JRH	G1014	MZ	Need waders. Very thick vegetation / blackberries.

Sticky Notes

Creator	Created	Table Reference	Notes