

BRIDGE INSPECTION REPORT

WO CC WE PD
 BAM

Status: Released

Ver Date 2/4/2010

Printed on: 2/5/2010

Agency: ARLINGTON

Program Mgr: Harvey L. Coffman

Bridge No. ARL-02 Page 1 of 2 **Structure Type**
Bridge Name PORTAGE CREEK #247 **Route** 96855 **Intersecting** PORTAGE CREEK
Structure ID 08226400 **MilePost** 9.00 **Location** .7 S JCT SR 530

Kingston Lu 2/4/2010
 Inspector's Signature KL IDent# G0806

Co-Inspector's Signature

										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	1.0	7/14/2008	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)	N	<input type="checkbox"/>	Revise Rating (688)		<input type="checkbox"/>	Speed Limit					Short Span	
6	<input type="checkbox"/>	Substructure (676)		<input type="checkbox"/>	Photos Flag (691)									
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)									
										Total: 0.0				
										Suff Rating:		52.53 FO	52.53 FO	

BMS Elements 14 to 361

Element	Element Description	Total	Units	Env	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		0	106	0	0
331	Concrete Bridge Railing	212	LF		212	0	0	0
361	Scour	2	EA		2	0	0	0

Notes 11 to 687

- 11 Administrative load rating should be compared to BR-650 rating by Sargent Engineers. Arches appear to be nearly identical, and rating should probably be increased.
- 14 Deck: pcc (cip), bare = good-to-fair cond., with minor transverse cracking in the riding surface and transverse leaching cracks at the overhangs. Deck was added atop earth-filled arch in 1972 WSDOT widening project.
- 145 Luten arch with deck added in 1972. Minor cracking with efflorescence - significant cracks @ springline on the south end and NW end with water trickling out.
- 361 No scour observed. Shallow / standing water @ springline.
- 661 Sharp vertical curve at the south end of the bridge. Evidence of multiple traffic impacts on bridge rail and approach rail.
- 681 Approach roadway chip sealed in 2005.
- 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.
- 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.
- 687 4 delineators and bridge sign OK.

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Repairs 10000 to 10000

Repair No	Pr	R	Repair Description	Date Noted	Verified
10000	1	B	Replace guardrail post NW #7. Check SW guardrail.	12/31/2008	

Inspections Performed and Resources Required

<u>Report Type</u>	<u>Date</u>	<u>IT</u>	<u>Frg</u>	<u>Hrs</u>	<u>Insp</u>	<u>CertNo</u>	<u>Coinsp</u>	<u>Note</u>
Routine	7/14/2008	Y	24	1.0	SPM	G0804	JH	Need waders. Very thick vegetation / blackberries.
Informational	2/4/2010				KL	G0806		Bridge annexed by City of Arlington in 2009.

Sticky Notes

Creator	Created	Table Reference	Notes
			(No sticky notes for this structure)