

BRIDGE INSPECTION REPORT

WO CC WE PD
BAM

Status: Released

Ver Date 2/8/2011
Printed on: 2/17/2011

Agency: ARLINGTON
Program Mgr: Grant D. Griffin

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

Inspector's Signature SPM Ident# G0804 Co-Inspector's Signature JHMA

										Inspections Performed:				
										IT	NT	HRS	Date	Rep Type
4	Structural Adqcy	(657)	N	Pier/Abut/Protect	(679)	1922		Year Built	(332)					
4	Deck Geometry	(658)	8	Scour	(680)	1972		Year Rebuilt	(336)	Y	24	1.0	9/24/2010	Routine
9	Underclearance	(659)	6	Approach Rdwy	(681)	A 28		Oper Rating	(551)					Fract Crit
5	Operating Level	(660)	5	Retaining Walls	(682)	A 17		Inv Rating	(554)					Under water
3	Alignment Adqcy	(661)	9	Pier Protection	(683)	A		Open Close	(293)					Special
8	Waterway Adqcy	(662)	1	Bridge Rails	(684)	9999		Vert Over Deck	(360)					Interim
6	Deck Overall	(663)	1	Transition	(685)	0000		Vert Under	(374)					Equipment
9	Drains Condition	(664)	1	Guardrails	(686)	N		Vert Und Code	(378)					Damage
6	Superstructure	(671)	1	Terminals	(687)	0.00		Asphalt Depth						Safety
3	Number Utilities	(675)	N	Y Revise Rating	(688)		35	Speed Limit						Short Span
6	Substructure	(676)		Photos Flag	(691)								Total: 1.0	
5	Chan/Protection	(677)		Soundings Flag	(693)									
9	Culvert	(678)		Measure Clearance	(694)								Suff Rating: 52.53 FO	52.53 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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Utilities Div.

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Structure ID	08226400	MilePost	9.00	Location	.7 S JCT SR 530

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 efflorescence. Vert cracks @ springline on the SE and NW end with water trickling out.
- 331
- 361
No scour observed. Shallow 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. 1" settlement at north/south approaches. New ACP patch (2010) @ SW approach. Runoff @ SE corner is eroding adjacent fill and flow is rilling across headwall -- REPAIR.
- 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. Scrapes and additional damage @ transitions @ ea corner (2010).
- 687
4 delineators and bridge sign OK.

Repairs 10000 to 10003

Repair No	Pr	Rp	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	
10003	M	J	Check guardrail impact damage @ corners.	1/25/2011	

Inspections Performed and Resources Required

Report Type	Date	II	Frq	Hrs	Insp	CertNo	Coinsp	Note
Routine	9/24/2010	Y	24	1.0	SPM	G0804	JH/MA	Need waders. Very thick vegetation / blackberries.

Sticky Notes

Creator	Created	Table Reference	Notes
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