

# BRIDGE INSPECTION REPORT

WO CC WE PD  
 B/M

Status: Released

Ver Date 3/26/2009

Printed on: 4/6/2009

Agency: Snohomish County

Program Mgr: Grant D. Griffin

**Bridge No.** 247 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 *[Signature]* SPM IDent# G0804 Co-Inspector's Signature *[Signature]* JH

										Inspections Performed:				
3	4	Structural Adqcy (657)	N	Pier/Abut/Protect (679)	1922	Year Built (332)	IT	NT	HRS	Date	Rep Type			
2	4	Deck Geometry (658)	8	Scour (680)	1972	Year Rebuilt (336)	Y	24	1.0	7/14/2008	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)					Underwater			
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	Revise Rating (688)		Speed Limit					Short Span			
6		Substructure (676)		Photos Flag (691)										
5		Chan/Protection (677)		Soundings Flag (693)										
9		Culvert (678)		Measure Clearance (694)										
										Total: 1.0				
										Suff Rating: 48.25 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**

Report Type	Date	II	Frg	Hrs	Insp	CertNo	Coinsp	Note
Routine	7/14/2008	Y	24	1.0	SPM	G0804	JH	Need waders. Very thick vegetation / blackberries.

**Sticky Notes**

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

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