

FEDERAL HIGHWAY ADMINISTRATION, Federal Lands Highway DAMAGE SURVEY REPORT				Sheet No: <u>10</u> of <u>15</u>	
(Title 23, Federal-Aid System/Federal Domain)				DSR No: MORA-Rte. 102-4	
Applicant: Mount Rainier National Park		County: Pierce	State: WA	Disaster No: WA2007-1NPS	
Route 102 - Carbon River road MP 4.4 (washout)				Inspection Date: 01/23/2007	
ADT:				Photograph #:	
Bridge Data:	Road Data:	Classification:			
Type:	Traveled Way Width: 18 ft	Surface Type: gravel	Thickness: 4"-6"		
ID#:	Shoulder Width:	Surface Type:			
Description and Cause of Damage: Flood flows of November 6 and 7, 2006 eroded river banks, resulting in flood flows overtopping riverbanks and flowing down the Carbon River road. Significant portions of the road were severely eroded and damaged.			Scope/Description of Repair: MP 4.4 Repair washed out 220-ft section of road		
COST ESTIMATE for EMERGENCY REPAIRS*					
Quantity	Unit	Item Description		Unit Price	Cost
Proposed:		Force Account	Contract	Total Emergency Repairs	\$0
COST ESTIMATE for PERMANENT REPAIRS*					
Quantity	Unit	Item Description		Unit Price	Cost
1	LS	Mobilization		\$13,000.00	\$13,000
3100	CY	select borrow		\$25.00	\$77,500
70	CY	roadway aggregate surfacing (5/8-in minus)		\$50.00	\$3,500
600	CY	riprap, class 5		\$80.00	\$48,000
1	LS	Revegetation (5%)		\$7,100.00	\$7,100
Subtotal Permanent Repairs (continuation sheet)					
Proposed:		Force Account	<input checked="" type="checkbox"/> X	Contract	Total Permanent Repairs
				\$149,100	
Identify Betterment, if any, and provide justification*				Preliminary Engineering 15%	\$22,365
				Construction Engineering 10%	\$14,910
				Right-of-Way	
				Other: Compliance (5%)	\$7,455
				TOTAL ESTIMATED COST (Emergency and Permanent Repairs)	\$193,830
Submitted By: (Name and Title) Eric Walkinshaw, Park Engineer				Signature: /s/ Eric Walkinshaw	2/13/2007
Reviewed By: (Name and Title) David F. Kruse, PWR ERFO Coordinator		Eligible <input checked="" type="checkbox"/> X	Ineligible	Signature: /s/ David F. Kruse	Date: 2/16/07
Recommended By: (Name and Title)		Eligible	Ineligible	Signature:	Date:

*Attach Supplemental Sheets if necessary