

FEDERAL HIGHWAY ADMINISTRATION, Federal Lands Highway				Sheet No: <u>1</u> of <u>1</u>	
DAMAGE SURVEY REPORT				DSR No: MORA-102	
(Title 23, Federal-Aid System/Federal Domain)				Disaster No: WA 2007-1 NPS	
Applicant: Mt. Rainier National Park		County: Pierce	State: WA	Inspection Date: 11/10-11, 2006	
Route 102 - Carbon River road MP 0.8 to MP 4.7				ADT: N/A	
Bridge Data:	Road Data:	Classification:		Photograph #:	
Type:	Traveled Way Width:	Surface Type:	Thickness:		
ID#:	Shoulder Width:	Surface Type:			
Description and Cause of Damage: Flood waters from November 6 and 7, 2006 heavy rains caused significant damage to roads parkwide, ranging from complete loss of road sections to minor scour at overwhelmed culverts.		Scope/Description of Repair: Repair involves the complete rebuilding of roadway sections to road shoulder repair as per the attached site DSRs.			
SUMMARY COST ESTIMATE for EMERGENCY RESPONSE & REPAIRS*					
Quantity	Unit	Item Description		Unit Price	Cost
	Rte.# 102	Carbon River Road Sites:			
		Site 102-1			\$25,000
		Site 102-2			\$0
		Site 102-3			\$0
		Site 102-4			\$0
		Site 102-5			\$25,000
		Site 102-6			\$0
					\$0
Proposed:		Force Account	Contract	Total Emergency Repairs	\$50,000
SUMMARY COST ESTIMATE for PERMANENT REPAIRS*					
Quantity	Unit	Item Description		Unit Price	Cost
	Rte.# 102	Carbon River Road Sites:			
		Site 102-1			\$295,000
		Site 102-2			\$78,150
		Site 102-3			\$9,050
		Site 102-4			\$149,100
		Site 102-5			\$112,100
		Site 102-6			\$31,500
		(see individual site DSRs for details)			
				Subtotal Permanent Repairs (continuation sheet)	
Proposed:		Force Account	Contract	Total Permanent Repairs	\$674,900
Identify Betterment, if any, and provide justification* See individual DSRs				Preliminary Engineering	\$101,235
				Construction Engineering	\$67,490
				Right-of-Way	\$0
				Other: Env. Compliance (5%)	\$33,745
				TOTAL ESTIMATED COST (Emergency and Permanent Repairs)	\$927,370
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 X	Ineligible	Signature: /s/ David F. Kruse	
Recommended By: (Name and Title)		Eligible	Ineligible	Signature:	
				Date:	

*Attach Supplemental Sheets if necessary