



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

						Key Number:		Jurisdiction:			
Section: Beaver Falls Road Bridge No. 00142						Region: 1		Area:		District: 2A	
State Highway No.:		Highway Name:				Mile Point From: 0.62 To:		Length: (mi) (km)			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural		City:		MPO: Within UGB <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		County: Columbia		Road/Street Name: Beaver Falls Road (County Bridge No. 76)			
Route No.:		NHS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HPMS:		FC: Applicant (if other than State): RMaC Columbia County Road Department					
US Congressional District: First				State Senate District: First				State Representative District: First			
Cost Estimates (x \$ 1,000)				Project Components				Right Of Way			
Preliminary Engineering		\$120		Grading		Yes		Files		(ft) 4	
Right Of Way		\$20		Paving		Yes		Hectares		(ft) 1	
Utility Reimbursement		No		Structures		Yes		Relocations		(ft) 0	
				Signing		No		Acquisitions		(ft) 4	
Roadway		\$45		Signals		No		Easements		(ft) 0	
Structures		\$238		Illumination		No		Work By: State / Consultant / Applicant			
Signals		\$0						Preliminary Engineering		(S,C,A) Consultant	
Illumination		\$0						Construction Engineering		(S,C,A) Consultant	
Temp. Protection		\$22						Right of Way Descriptions		(S,C,A) Consultant	
Const. Contingencies		\$107						Right Of Way Acquisitions		(S,C,A) Consultant	
Const. Engineering		\$54		Project Categories				Constructed By			
Remove Exist Bridge		\$27		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force	
Other		\$98		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other	
Total CE and Construction:		\$602		Work Type Code (1-13)		5		<input type="checkbox"/> City Force			
Total Estimate:		\$ 742		Primary STIP Work Type:		5					
Recommended Let Date By Federal Fiscal Year (Quarter-Year):						1st-2006					
PE Fund:		R/W Fund:		UR Fund:		CE-CN Fund:					
PE EA:		R/W EA:		UR EA:		CE-CN EA:					
Item		Existing	Proposed	Define The Problem:							
Travel Lanes (ft)		2	2	Sufficiency rating of bridge is 48.8 and is classified Functionally Obsolete. Bridge is weight restricted (18-26-30 tons) which prevents access to timber and agriculture harvest areas. One of two bridges within the Beaver Falls Rd Historic Corridor not on STIP or Draft STIP. Most of the traffic within this corridor uses this bridge.							
Structures (ft)		1	1								
Signals (ft)		0	0								
Bike Way (ft)		0	0								
Average Daily Traffic		300									
Year of ADT		2002									
Throughway Y/N		Yes									
				Describe Proposed Solution: - Attach Sketch Map							
				Replace bridge with single span precast prestressed concrete slab on existing alignment and grade. Guardrail to match existing historic character.							
Prepared By: X <i>Ann Cochran</i>				Date: 10/15/03		OTC Approval Date:		Program Year:		Funding Amount:	



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section:

Beaver Falls Road Bridge No. 00142

Region:

1

Area:

0

District:

2A

Project Justification

This bridge is on a section of Old Columbia River Highway determined to be a Historic Corridor. There are seven bridges along this route that have already been identified as historic, including this one. This section of roadway is the second historic corridor in the State of Oregon. This bridge was constructed in 1918 out of reinforced concrete and is showing its age. This bridge needs to be replaced, as it is currently load restricted to 18-26-30 tons. This load restriction prevents the harvesting of trees and other heavy hauling activities and there is not an alternate route for local residents. There is also potential for developing a county park around a scenic 30 foot waterfall, bringing much needed tourism and recreation to Columbia County. Three of the seven bridges in this corridor are on the current STIP and are scheduled for construction in 2005 using HBRR funds. Two other bridges are on the draft STIP. This bridge should be replaced as well. The seventh bridge in the corridor has a detour but will eventually need to be replaced to complete the corridor as a potential truck route.

Additional Information For Project Requested By Local Jurisdictions

Responsible Local Office To Be Contacted For The Following Activities:

- | | | | | |
|--|-------|----------|-------|---------|
| 1. Public Hearing /
Citizen Involvement | _____ | (Office) | _____ | (Phone) |
| 2. Environmental / Planning | _____ | (Office) | _____ | (Phone) |
| 3. Pre-Engineering | _____ | (Office) | _____ | (Phone) |

This Official Request is From:

City of:

and/or Columbia

County

By:

By:

Dave Hill, Public Works Director

By:

By:

By:

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

Administrative Recommendation

Bridge Prospectus Cost Estimate

		NBIS			
		Bridge No.			
Applicant:	Columbia County Road Depart	00142			
Project /	Beaver Falls Road Bridge No.	Region:	Area:	District:	
Section	00142	1	0	2A	
New Bridge / Roadway Configuration:			Existing Bridge:		
Left Side Rail	1.5 feet	Bridge Length	90 feet		
Left Sidewalk	0 feet	Bridge Width	22.7 feet		
Shoulder	3 feet	Area	2043 square ft.		
Lane 2	0 feet	New AC Top Width	33 feet		
Lane 1	12 feet	New AC Depth	4 inches		
--CL--	0 feet	New Base Depth	12 inches		
Lane 1	12 feet	Project Length	180 feet		
Lane 2	0 feet	Net Road Work Length	100 feet		
Shoulder	3 feet	X-S Side Slope	3:01		
Right Sidewalk	0 feet	AC Avg Width	34 feet		
Right Side Rail	1.5 feet	Base Avg Width	36 feet		
Bridge Length	80 feet	Asphalt Density	150 pounds/ cu ft		
Bridge Width	33 feet	Base Density	120 pounds/ cu ft		
New Area	2640 square ft.	New AC Received	85 tons		
		New Base Required	216 tons		
COST ESTIMATE:					
	Quantity	Unit	Price per unit	Cost (\$x1000s)	
Right-of-Way	1	Acre	\$ 20,000	\$20	
==Roadway==					
Clear & Grub	\$ 6,069	lump sum		\$6	
General Excavation	80	cubic yards	\$ 12.00	\$1	
Embankment in Place	180	cubic yards	\$ 12.00	\$2	
Pavement Removal	6,120	square feet	\$ 0.45	\$3	
Aggregate Base	216	tons	\$ 16.00	\$3	
Asphalt Concrete	85	tons	\$ 56.00	\$5	
Riprap	187	cubic yards	\$ 50.00	\$9	
Guardrail, Type 2A	100	feet	\$ 11.50	\$1	
Guardrail, Type 3	50	feet	\$ 38.00	\$2	
Guardrail Trans	4	feet	\$ 1,600.00	\$6	
Flared Terminals	4	each	\$ 1,600.00	\$6	
Subtotal Roadway				\$45	
Structures	2,640	square feet	\$ 90.00	\$238	
Signals	\$ -	lump sum		\$0	
Illumination	\$ -	lump sum		\$0	
Temporary Protection	\$ 22,000	lump sum		\$22	
Remove Existing Bridge	\$ 2,043	square feet	13	\$27	
Staged Construction	\$ 56,000	lump sum		\$56	
Mob & Erosion Ctrl	42,224	lump sum		\$42	
Subtotal Structures				\$384	
Subtotal Construction				\$430	
==Engineering==					
Construction Engineering	15	percent of construction		\$64	
Contingency	25	percent of construction		\$107	
Subtotal Const. Eng.				\$172	
Preliminary Engineering					
Consultant	25	percent of construction		\$107	
State	1	percent of construction		\$4	
County	2	percent of construction		\$9	
Subtotal PE				\$120	
Total Estimate				\$742	

Bridge Project Prospectus Additional Bridge Information

Applicant: Columbia County Road Department		NBIS Bridge Number: 00142					
Project Name / Section: Beaver Falls Road Bridge No. 00142		Region: 1	Area: 0				
		District: 2A					
Funding Preferred Source: <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR Acceptable Source: <input checked="" type="checkbox"/> OTIA III <input checked="" type="checkbox"/> Federal HBRR	Heavy Vehicle Usage <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Existing</td> <td style="text-align: center;">Proposed</td> </tr> <tr> <td style="border: 1px solid black;">Truck AADT: <input style="width: 50px;" type="text" value="0"/></td> <td style="border: 1px solid black;"><input style="width: 50px;" type="text" value="10"/></td> </tr> </table> Fire Truck Usage: <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> No. Less than 25% of trips	Existing	Proposed	Truck AADT: <input style="width: 50px;" type="text" value="0"/>	<input style="width: 50px;" type="text" value="10"/>	Detour Detour Route: Length: <input style="width: 50px;" type="text" value="99"/> Map: (Please attach map)	
Existing	Proposed						
Truck AADT: <input style="width: 50px;" type="text" value="0"/>	<input style="width: 50px;" type="text" value="10"/>						
Regional Freight Corridor Analysis: This route has been identified in the county Transportation System Plan as an alternate route for truck traffic created by the Port Westward Industrial Area. There is also a substantial amount of timber only accessed from this road.							
Special Consideration: 							

Beaver Falls Rd 00142



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MVC-407F.JPG

