



# PROJECT PROSPECTUS

## Part 1 — Project Request (Page 1 of 2)

						Key Number:		Jurisdiction:			
Section: Old Rainier Road Bridge No. 9C158						Region: 1		Area:		District: 2A	
State Highway No.:		Highway Name:				Mile Point From: 0.57 To:		Length: (mi) (km)			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural		City:		MPO: Within UGB <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		County: Columbia		Road/Street Name: Old Rainier Road (County Bridge No. 58)			
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		\$70		Grading		Yes		Files		(R) 4	
Right Of Way		\$20		Paving		Yes		Hectares		(R) 1	
Utility Reimbursement		No		Structures		Yes		Relocations		(R) 0	
				Signaling		No		Acquisitions		(R) 4	
Roadway		\$41		Signals		No		Easements		(R) 0	
Structures		\$133		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		\$4						Right of Way Descriptions (S,C,A)		Consultant	
Const. Contingencies		\$53						Right Of Way Acquisitions (S,C,A)		Consultant	
Const. Engineering		\$32		Project Categories				Constructed By			
Remove Exist Bridge		\$0		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force	
Other		\$24		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other	
Total CE and Construction:		\$297		Work Type Code (1-13)		5		<input type="checkbox"/> City Force			
Total Estimate:		\$ 387		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 (#)		2	2	Sufficiency Rating is 42 and bridge is classified Functionally Obsolete. Bridge is weight restricted at 15-21-23. Road provides west bound access to Hwy 30 from Apiary Rd. Has potential for heavy truck usage. Built in 1918.							
Structures (#)		1	1								
Signals (#)		0	0								
Bike Way (#)		0	0								
Average Daily Traffic		717									
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.							
Prepared By:		Date:		OTC Approval Date:		Program Year:		Funding Amount:			
X <i>Ann Clod...</i>		10/15/03									



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Old Rainier Road Bridge No. 9C158

Region:  
1

Area:  
0

District:  
2A

## Project Justification

Bridge is load restricted and doesn't allow trucks to cross.

## Additional Information For Project Requested By Local Jurisdictions

Responsible Local Office To Be Contacted For The Following Activities:

- |  |                |               |
|--|----------------|---------------|
| 1. Public Hearing /<br>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:

*David Hill*

By:

\_\_\_\_\_

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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## Administrative Recommendation

## Bridge Prospectus Cost Estimate

NBIS		Bridge No.	
Applicant:	Columbia County Road Depart	9C158	
Project /	Old Rainier Road Bridge No.	Region:	Area:
Section	9C158	1	0
			District: 2A
<b>New Bridge / Roadway Configuration:</b>			
Left Side Rail	1.5 feet	<b>Existing Bridge:</b>	
Left Sidewalk	0 feet	Bridge Length	29 feet
Shoulder	5 feet	Bridge Width	25 feet
Lane 2	0 feet	Area	725 square ft.
Lane 1	12 feet	New AC Top Width	37 feet
--CL--	0 feet	New AC Depth	4 inches
Lane 1	12 feet	New Base Depth	12 inches
Lane 2	0 feet	Project Length	140 feet
Shoulder	5 feet	Net Road Work Length	100 feet
Right Sidewalk	0 feet	X-S Side Slope	3:01
Right Side Rail	1.5 feet	AC Avg Width	37 feet
		Base Avg Width	40 feet
Bridge Length	40 feet	Asphalt Density	150 pounds/ cu ft
Bridge Width	37 feet	Base Density	120 pounds/ cu ft
New Area	1480 square ft.	New AC Received	92.5 tons
		New Base Required	240 tons
<b>COST ESTIMATE:</b>			
	Quantity	Unit	Price per unit
Right-of-Way	1	Acre	\$ 20,000
	==Roadway==		Cost ( \$x1000s)
Clear & Grub	\$ 3,605	lump sum	\$4
General Excavation	30	cubic yards	\$ 12.00
Embankment in Place	10	cubic yards	\$ 12.00
Pavement Removal	5,180	square feet	\$ 0.45
Aggregate Base	240	tons	\$ 16.00
Asphalt Concrete	93	tons	\$ 56.00
Riprap	199	cubic yards	\$ 50.00
Guardrail, Type 2A	100	feet	\$ 11.50
Guardrail, Type 3	50	feet	\$ 38.00
Guardrail Trans	4	feet	\$ 1,600.00
Flared Terminals	4	each	\$ 1,600.00
	Subtotal Roadway		\$41
Structures	1,480	square feet	\$ 90.00
Signals	\$ -	lump sum	\$133
Illumination	\$ -	lump sum	\$0
Temporary Protection	\$ 4,360	lump sum	\$0
Remove Existing Bridge	\$ 725	square feet	\$4
Staged Construction	\$ -	lump sum	\$9
Mob & Erosion Ctrl	24,113	lump sum	\$13
	Subtotal Structures		\$171
	Subtotal Construction		\$212
	==Engineering==		
Construction Engineering	15	percent of construction	\$32
Contingency	25	percent of construction	\$53
	Subtotal Const. Eng.		\$85
Preliminary Engineering			
Consultant	30	percent of construction	\$64
State	1	percent of construction	\$2
County	2	percent of construction	\$4
	Subtotal PE		\$70
	<b>Total Estimate</b>		<b>\$387</b>

## Bridge Project Prospectus Additional Bridge Information

Applicant: Columbia County Road Department		NBIS Bridge Number: 9C158						
Project Name / Section: Old Rainier Road Bridge No. 9C158		Region: 1	Area: 0	District: 2A				
<b>Funding</b>  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	<b>Heavy Vehicle Usage</b> <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>Truck AADT: <input style="width: 50px;" type="text" value="0"/></td> <td><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"/>	<b>Detour</b>  Detour Route: Length: <input style="width: 50px;" type="text" value="2"/> 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:								
Special Consideration:								

# Old Rainier Rd 9C158



MVC-398F.JPG



MVC-399F.JPG



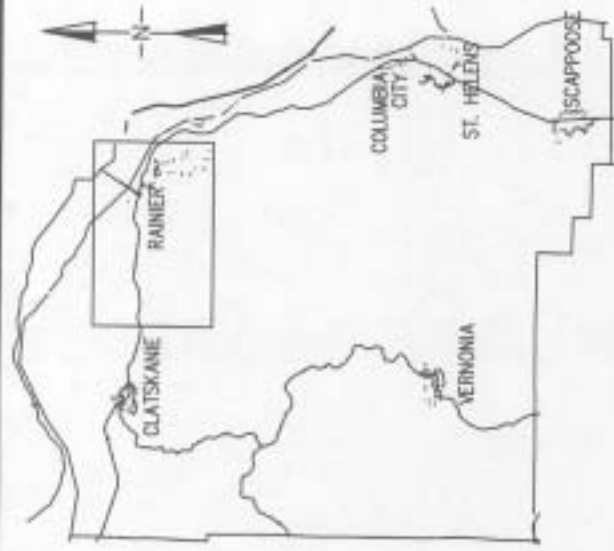
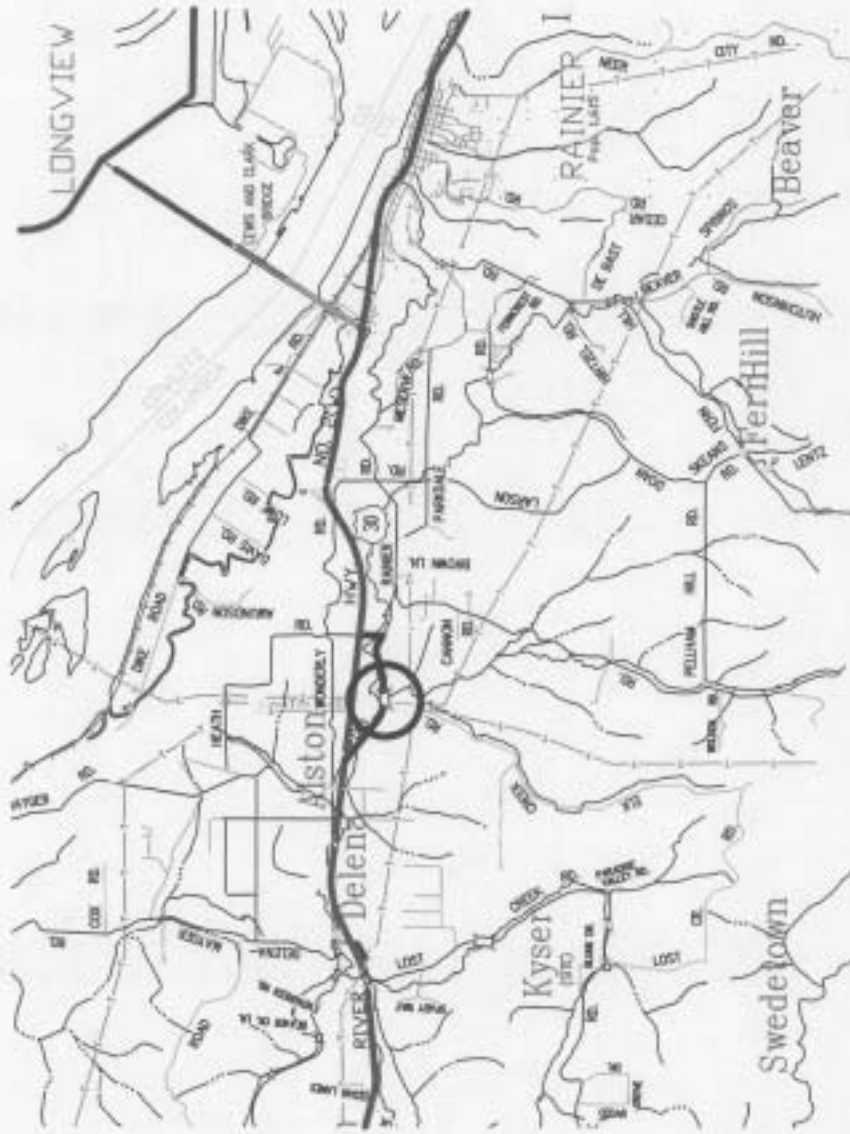
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MVC-401F.JPG



MVC-402F.JPG



DETOUR LENGTH: 2 MILES  
 OLD RAINIER RD TO HWY 30 TO HEATH  
 RD TO OLD RAINIER RD

FREIGHT ROUTES:  
 OLD RAINIER RD TO HWY 30

DATE: OCT 9, 2003  
 DRAWN BY: A. CLODDFELTER  
 CHECKED BY: A. CLODDFELTER



LOCATION MAP  
 BRIDGE 9C158  
 SHEET: 1/1