



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number:

Jurisdiction:

Section: SILVIES RIVER (WEST LOOP) BRIDGE # 25A22

Region: 5

Area: SEACT AREA

District: 14

A8	Highway Name:	Mile Point	Length: (mi)	(km)
		From: 1.02 To: 1.07	.05	

<input type="checkbox"/> Urban	City:	MPO:	Within UGB	<input type="checkbox"/> Yes	County:	ROAD/STREET NAME
<input checked="" type="checkbox"/> Rural			<input type="checkbox"/> No		HARNEY	WEST LOOP CR 138

Route No.:	NHS	<input type="checkbox"/> YES	HPMS:	FC:	Applicant (if other than State):
		<input type="checkbox"/> NO		09	HARNEY COUNTY

US Congressional District: 2	State Senate District: 30	State Representative District: 60
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Cost Estimates ( x \$ 1,000)	Project Components	Right Of Way
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Preliminary Engineering	\$88	Grading	X	Files	(#)	2
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Right Of Way	\$15	Paving	X	Acres	(#)	1
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Utility Reimbursement		Structures	X	Relocations	(#)	
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		Signing		Acquisitions	(#)	
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Roadway	\$51	Signals		Easements	(#)	
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Structures	\$225	Illumination		Work By: State / Consultant / Applicant		
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Signals	\$0			Preliminary Engineering	(S,C,A)	C
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Illumination	\$0			Construction Engineering	(S,C,A)	C
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Temp. Protection	\$10			Right of Way Descriptions	(S,C,A)	C
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Const. Contingencies	\$59			Right Of Way Acquisitions	(S,C,A)	C
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Const. Engineering	\$53	Project Categories			Constructed By	
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Remove Exist Bridge	\$19	Environmental Class	(1, 2, 3, PCE)	2	<input checked="" type="checkbox"/> Contract	<input type="checkbox"/> County Force
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Other	\$24	Design Category	(1-7)	7	<input type="checkbox"/> State Force	<input checked="" type="checkbox"/> Other
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Total CE and Construction:	\$440	Work Type Code	(1-13)	5	<input type="checkbox"/> City Force	<b>CONSULTANT</b>
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Total Estimate:	\$ 543	Primary STIP Work Type:				
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Recommended Let Date By Federal Fiscal Year (Quarter-Year):

PE Fund:	R/W Fund:	UR Fund:	CE-CN Fund:
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PE EA:	R/W EA:	UR EA:	CE-CN EA:
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Item	Existing	Proposed	Define The Problem:
Travel Lanes (#)	2	2	The existing structure is structurally deficient with a sufficiency rating of 49.9. The width of the bridge is substandard
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	N	N	
Average Daily Traffic	113	159	
Year of ADT	2001	2021	
Throughway Y/N			

Describe Proposed Solution: - Attach Sketch Map

Replace with a 70 foot single span X 32 foot wide prestressed slab structure and install guardrail to meet standards. Widen approaches in order to accommodate a 32 foot wide structure.

Prepared By: X

Date: OTC Approval Date: Program Year: Funding Amount:

06/2009



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: SILVIES RIVER (WEST LOOP) BRIDGE # 25A22

Region:  
5

Area:  
SEACT AREA

District:  
14

## Project Justification

This timber structure originally was constructed in 1973 and serves as an important route for agricultural, recreational, and forest traffic. Bridge inspection reports indicate that rot was found in Piles. Reports also indicate that there is settlement at the south abutment and scouring between bents 3 and 4. These factors combined with the narrow width make it undesirable and unsafe for two-way traffic. Due to these conditions, Harney County has requested that Silvies River (West Loop) Bridge #25A22 be submitted for replacement under the OTIA III Program.

This project is consistent with the Department of Transportation's and Harney County's goal of replacing or rehabilitating deficient structures.

Silvies River (West Loop) Bridge # 25A22 is located in Sec 25, T22S, R30E, W.M.

## 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

HARNEY County

By:

\_\_\_\_\_

By:

KERRY LANDERS, ROADMASTER

By:

\_\_\_\_\_

By:

\_\_\_\_\_

By:

\_\_\_\_\_

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

\_\_\_\_\_  
\_\_\_\_\_  
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## Administrative Recommendation

## Bridge Prospectus Cost Estimate

	NBIS Bridge No.		
Applicant:	HARNEY COUNTY		
Project /	SILVIES RIVER (WEST LOOP)	Region:	Area:
Section	BRIDGE # 25A22	5	NEACT AREA
			District: 14

New Bridge / Roadway Configuration:		Existing Bridge:	
Left Side Rail	70 feet	Bridge Length	61 feet
Left Sidewalk	feet	Bridge Width	20.5 feet
Shoulder	4 feet	Area	1250.5 square ft.
Lane 2	feet		
Lane 1	12 feet	New AC Top Width	32 feet
--CL--	feet	New AC Depth	4 inches
Lane 1	12 feet	New Base Depth	12 inches
Lane 2	feet	Project Length	370 feet
Shoulder	4 feet	Net Road Work Length	300 feet
Right Sidewalk	feet	X-S Side Slope	1:3
Right Side Rail	70 feet	AC Avg Width	32 feet
		Base Avg Width	32 feet
Bridge Length	70 feet	Asphalt Density	140.63 pounds/ cu ft
Bridge Width	32 feet	Base Density	147.5 pounds/ cu ft
New Area	2240 square ft.	New AC Received	240 tons
		New Base Required	704 tons

COST ESTIMATE:	Quantity	Unit	Price per unit	Cost ( \$x1000s)
Right-of-Way	1.00	Acre	\$ 15,000	\$15
==Roadway==				
Clear & Grub	\$ 4,000	lump sum		\$4
Erosion Control	\$ 1,000	lump sum		\$1
General Excavation	100	cubic yards	\$ 10.00	\$1
Embankment in Place	200	cubic yards	\$ 20.00	\$4
Pavement Removal		square feet	\$ 9.00	\$0
Aggregate Base	704	tons	\$ 11.00	\$8
Asphalt Concrete	240	tons	\$ 36.00	\$9
Curb		feet		\$0
Sidewalk		feet		\$0
Riprap	100	cubic yards	\$ 52.00	\$5
Guardrail, Type 2A	150	feet	\$ 20.00	\$3
Guardrail, Type 3	50	feet	\$ 40.00	\$2
Guardrail Trans	4	each	\$ 1,700.00	\$7
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Flared Terminals	4	each	\$ 1,800.00	\$7
Subtotal Roadway				\$51
Structures	2,240	square feet	\$ 90.00	\$202
Bridge Rail	140	feet	\$ 95.00	\$13
Remove Existing Bridge	1,251	square feet	\$ 15.00	\$19
Other		specify unit		\$0
Other		specify unit		\$0
Detour		lump sum		\$0
Const. Survey Work	\$ 10,000	lump sum		\$10
Subtotal Structures				\$244

## Bridge Prospectus Cost Estimate

Applicant:	HARNEY COUNTY	NBIS	
Project /	SILVIES RIVER (WEST LOOP)	Bridge No.	
Section	BRIDGE # 25A22	Region:	Area: District:
		5	NEACT AREA 14
Mobilization	8	percent of (Roadway + Structure)	\$24
Signals		lump sum	\$0
Illumination		lump sum	\$0
Temporary Protection	\$ 10,000	lump sum	\$10
Detour Route		feet	\$0
Other		specify unit	\$0
Other		specify unit	\$0
Other		lump sum	\$0
Other		lump sum	\$0
Mobilization & Traffic			\$34
Subtotal Construction			\$328
==Engineering==			
Construction Engineering	18	percent of (Roadway + Structure)	\$53
Contingency	20	percent of (Roadway + Structure)	\$59
Subtotal Const. Eng.			\$112
Preliminary Engineering			
Consultant	28	percent of (Roadway + Structure)	\$82
State		percent of (Roadway + Structure)	\$0
County	2	percent of (Roadway + Structure)	\$6
Subtotal PE			\$88
<b>Total Estimate</b>			<b>\$543</b>

## Bridge Project Prospectus Additional Bridge Information

Applicant: HARNEY COUNTY		NBIS Bridge Number: 0	
Project Name / Section: SILVIES RIVER (WEST LOOP) BRIDGE # 25A22		Region: 5	Area: SEACT AREA
		District: 14	
<b>Funding</b>  <b>Preferred Source:</b> <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR  <b>Acceptable Source:</b> <input checked="" type="checkbox"/> OTIA III <input checked="" type="checkbox"/> Federal HBRR	<b>Heavy Vehicle Usage</b> Existing      Proposed Truck AADT: <input type="text" value="6"/> <input type="text" value="8"/>  <b>Fire Truck Usage:</b> <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> No. Less than 25% of trips	<b>Detour</b>  <b>Detour Route:</b> Length: <input type="text" value="5.5"/> Map: (Please attach map)	
<b>Regional Freight Corridor Analysis:</b> No posted bridges on detour or freight corridor. SEE DETOUR/CORRIDOR MAP			
<b>Special Consideration:</b>			



## Oregon Department of Transportation

### Highway Division

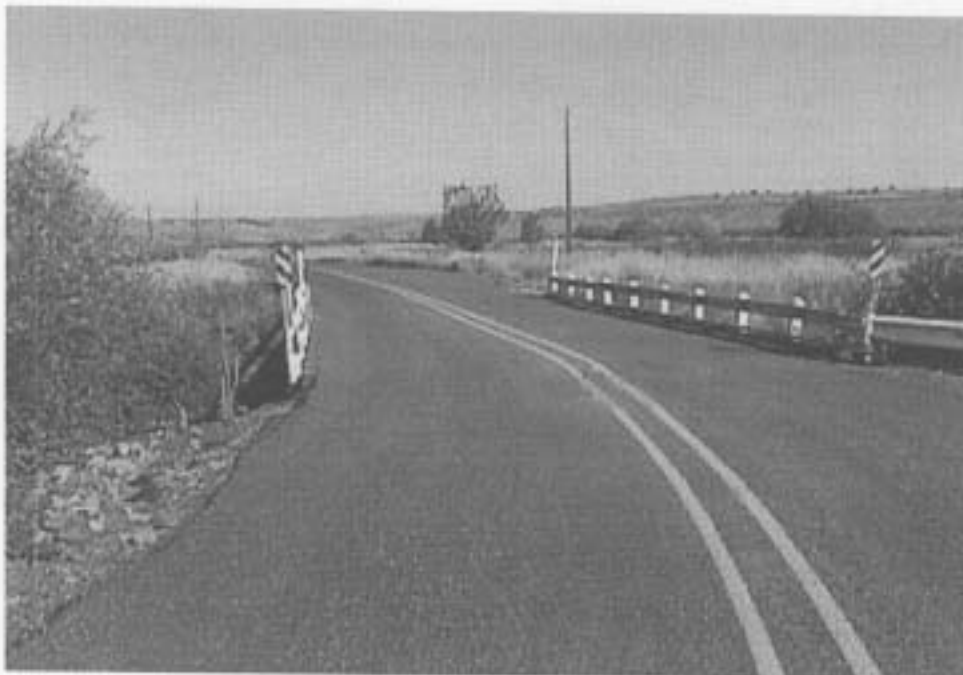
#### Bridge Operations Section

#### Local Agency Bridge Photos

Bridge No. 25A22

Harney County

Date : September 1998



**Approach Viewing North**



**Elevation Viewing West**



**Anderson Engineering & Surveying, Inc.**

P.O. Box 28

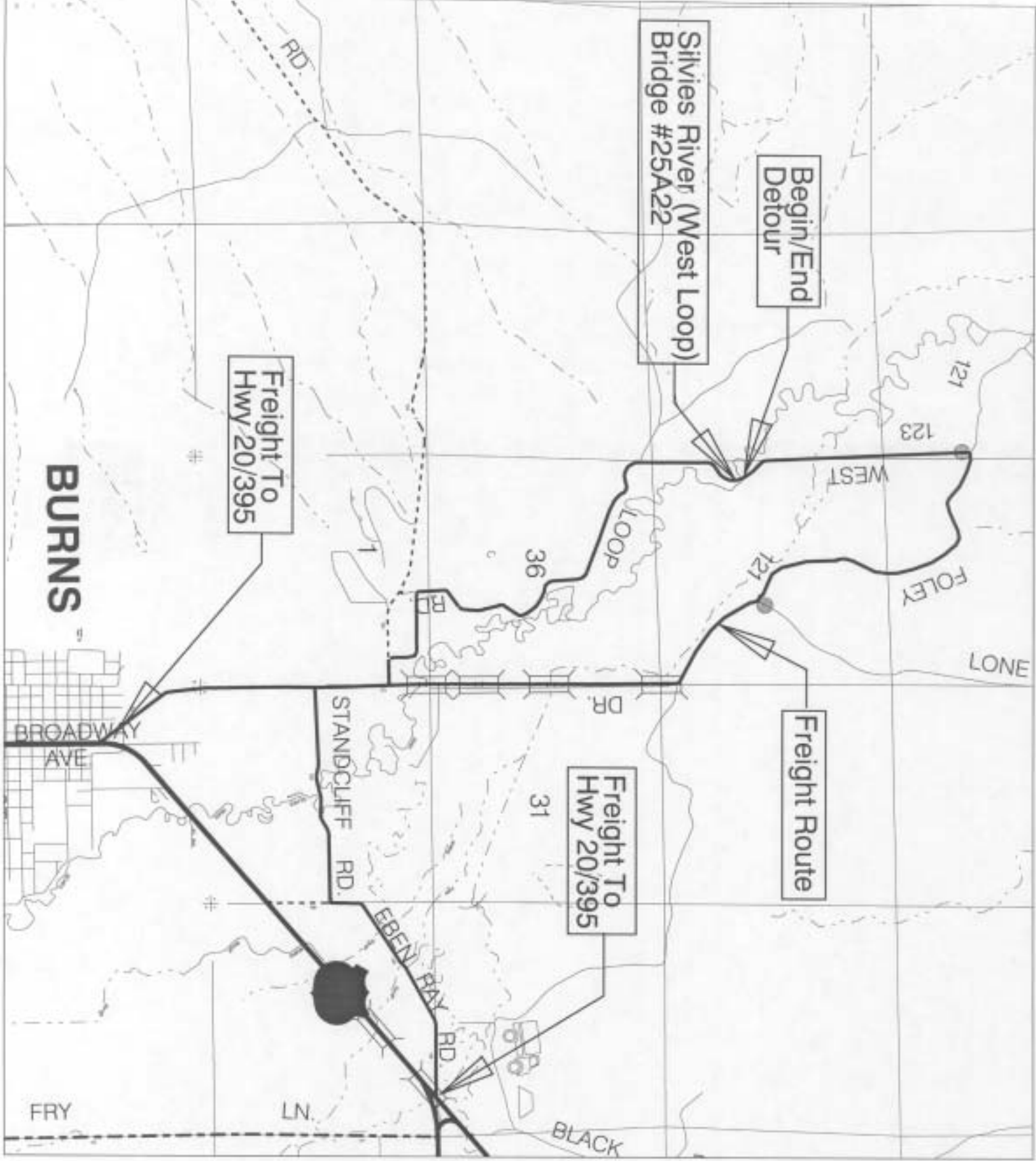
HC 64 Box 24

Lakeview, Oregon 97630

P.O. Box 419

1516 Highland

Redmond, Oregon 97756



Silvie's River (West Loop)  
Bridge #25A22

Begin/End  
Detour

Freight To  
Hwy 20/395

Freight Route

Freight To  
Hwy 20/395

**BURNS**

BROADWAY  
AVE

STANDCLIFF  
RD.

EBEN RAY  
RD.

FRY

LN.

BLACK

WEST

FOLEY

LONE

31

36

121

123