



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: Evans Creek (West Main St.) Bridge										Key Number:		Jurisdiction:			
State Highway No.:		Highway Name:				Mile Point		Region:		Area:		District:			
						From: 0.19 To:		3		Rogue Valley		8			
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural		City:		MPD: <input type="checkbox"/> Wides <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		County:		Road/Street Name:							
						Jackson		West Main Street							
Route No.:		NHS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HPMS:		FC:		Applicant (If other than State):							
								City of Rogue River							
US Congressional District:				State Senate District:				State Representative District:							
2				2				3							
Cost Estimates (x \$ 1,000)				Project Components				Right Of Way							
Preliminary Engineering		\$402		Grading		<input checked="" type="checkbox"/>		Files (#)		8					
Right Of Way		\$90		Paving		<input checked="" type="checkbox"/>		Hectares (#)		.4					
Utility Reimbursement		\$50		Structures		<input checked="" type="checkbox"/>		Relocations (#)		0					
				Signing		<input checked="" type="checkbox"/>		Acquisitions (#)		4					
Roadway		\$240		Signals				Easements (#)		4					
Structures		\$764		Illumination		<input checked="" type="checkbox"/>		Work By: State / Consultant / Applicant							
Signals		\$0						Preliminary Engineering (S.C.A)		C					
Illumination		\$85						Construction Engineering (S.C.A)		C					
Temp. Protection		\$25						Right of Way Descriptions (S.C.A)		C					
Const. Contingencies		\$402						Right of Way Acquisitions (S.C.A)		A					
Const. Engineering		\$322		Project Categories				Constructed By							
Remove Exist Bridge		\$65		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force					
Other		\$430		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other					
Total CE and Construction:		\$2,333		Work Type Code (1-13)		5		<input type="checkbox"/> City Force							
Total Estimate:		\$ 2,875		Primary STIP Work Type:											
Recommended Let Date By Federal Fiscal Year (Quarter-Year):															
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		The existing concrete bridge is substandard geometrically with (bridge rail, bridge width) and has poor approach geometry resulting in a sufficiency rating of 43.1.									
Structures (#)		1		1											
Signals (#)		0		0											
Bike Way (#)		0		2											
Average Daily Traffic		3708		8500											
Year of ADT		2000		2020											
Throughway Y/N		Y		Y		Describe Proposed Solution: - Attach Sketch Map									
						The existing bridge will be replaced with a new structure meeting current AASHTO and ODOT standards for load capacity, width, and geometry. The bridge will include new approach guard rail. The new bridge will be a single span sized to provide a channel opening necessary for hydraulic capacity and minimize environmental impacts to the stream.									
Prepared By: <i>Kon Plummer</i>				Date: 10/9/03				OTC Approval Date:				Program Year:		Funding Amount:	



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Evans Creek (West Main St.) Bridge

Region:
3

Area:
Rogue Valley

District:
8

Project Justification

West Main St. at the project site is an urban arterial located directly adjacent to the city school. The existing bridge serves as the only practical access across the Evans Creek for a approximately 10 percent of the City. The bridge is also the primary arterial route for County residents on Foothill Blvd. and along West Evans Creek Road up to five miles to the east of the City Limits. Commercial activity includes ROBCO Mine off of Foot Hill Blvd. Many truck loads of aggregate cross the existing bridge. Several utilities are attached to the existing bridge including: City water, and sewer (Note 95% of City's sewage is pumped across bridge) that ultimately flows to the City's wastewater treatment plant to the west. Other utilities include a 10 inch diameter high pressure natural gas main.

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:	<u>Rogue River</u>	and/or	_____	County
By:	<u>Ken Johnson, Public Works Director</u>	By:	_____	
By:	_____	By:	_____	
		By:	_____	

Applicable Intergovernmental Agreements:

IGA Number:	Jurisdiction Name:	Agreement Date:
_____	_____	_____
_____	_____	_____
_____	_____	_____

Administrative Recommendation

Bridge Prospectus Cost Estimate

		NBIS			
		Bridge No.			
Applicant:	City of Rogue River	9089			
Project /	Evans Creek (West Main St.)	Region:	Area:	District:	
Section	Bridge	3	Rogue Valley	8	
New Bridge / Roadway Configuration:			Existing Bridge:		
Left Side Rail	1 feet	Bridge Length	127 feet		
Left Sidewalk	6 feet	Bridge Width	34 feet		
Shoulder	12 feet	Area	480 square yds.		
Lane 2	feet				
Lane 1	11 feet	New AC Top Width	46 feet		
—CL—	0 feet	New AC Depth	6 inches		
Lane 1	11 feet	New Base Depth	18 inches		
Lane 2	0 feet	Project Length	1034 feet		
Shoulder	12 feet	Net Road Work Length	900 feet		
Right Sidewalk	6 feet	X-S Side Slope			
Right Side Rail	1 feet	AC Avg Width	48 feet		
			Base Avg Width	54 feet	
Bridge Length	134 feet	Asphalt Density	2 tons / yd		
Bridge Width	60 feet	Base Density	2 tons / yd		
New Area	893 square yds.	New AC Received	1620 tons		
			New Base Required	5468 tons	
COST ESTIMATE:					
	Quantity	Unit	Price per unit	Cost (\$x1000s)	
Right-of-Way	1	Acre	\$ 150,000	\$90	
==Roadway==					
Clear & Grub	\$ 10,000	lump sum		\$10	
General Excavation	-	cubic yards	\$ 10.00	\$0	
Embankment in Place	600	cubic yards	\$ 26.00	\$16	
Pavement Removal	30,000	square feet	\$ 1.00	\$30	
Aggregate Base	5468	tons	\$ 14.00	\$77	
Asphalt Concrete	1620	tons	\$ 55.00	\$89	
Riprap	30	cubic yards	\$ 35.00	\$1	
Guardrail, Type 2A	250	feet	\$ 15.00	\$4	
Guardrail, Type 3	50	feet	\$ 35.00	\$2	
Guardrail Trans	4	feet	\$ 1,650.00	\$7	
Flared Terminals	4	each	\$ 1,500.00	\$6	
Subtotal Roadway				\$240	
Structures	8,040	square feet	\$ 95.00	\$764	
Signals	-	lump sum		\$0	
Illumination	\$ 85,000	lump sum		\$85	
Temporary Protection	\$ 25,000	lump sum		\$25	
Remove Existing Bridge	\$ 4,318	square feet	15	\$65	
Site Specific Bridge Items	\$ 180,000	lump sum		\$180	
Detour Str./Approach road	250,000	lump sum		\$250	
Subtotal Structures				\$1,369	
Subtotal Construction				\$1,609	
==Engineering==					
Construction Engineering	20	percent of construction		\$322	
Contingency	25	percent of construction		\$402	
Subtotal Const. Eng.				\$724	
Preliminary Engineering					
Consultant	20	percent of construction		\$322	
State	3	percent of construction		\$48	
County	2	percent of construction		\$32	
Subtotal PE				\$402	
Total Estimate				\$2,825	

Bridge Project Prospectus Additional Bridge Information

Applicant: City of Rogue River		NBIS Bridge Number: 9089						
Project Name / Section: Evans Creek (West Main St.) Bridge		Region: 3	Area: Rogue Valley					
		District: 8						
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;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">Existing</th> <th style="width: 25%; text-align: center;">Proposed</th> </tr> </thead> <tbody> <tr> <td>Truck AADT:</td> <td style="text-align: center;">350</td> <td style="text-align: center;">650</td> </tr> </tbody> </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:	350	650	Detour Detour Route: Length: 14.1 Map: (Please attach map)
	Existing	Proposed						
Truck AADT:	350	650						

Regional Freight Corridor Analysis:

Special Consideration:

The existing structure is inadequate to facilitate pedestrian, bike, and vehicular traffic associated with the public school and adjoining urban development. The proposed detour of 14.1 miles takes 19 minutes to travel. This detour length and delay would be unacceptable for emergency responders.

Bridge Project Prospectus

Requested Changes to National Bridge Inventory System (NBIS) Data

(Form Optional)

Applicant: City of Rogue River	Bridge Number: 9089		
Project Name / Section: Evans Creek (West Main St.) Bridge	Region: 3	Area: Rogue Valley	District: 8

This form must be completed if an agency is proposing a change to the data in the existing National Bridge Inventory System data. The information must be in conformance with the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges, Report No. FHWA-PD-96-001, December 1995.

Changes proposed to the Debour Length, Average Daily Traffic and Truck Average Daily Traffic will be acquired from other parts of this application and used to compute updated Federal Sufficiency Ratings and in the calculation of the Technical Ranking Score.

The data listed below are used in the calculations of the Technical Ranking Score and proposed changes will be considered. For any changes proposed, attach backup data as to the reason for the change.

Item 26	Functional Classification	
Item 28	A Lanes on Structure	
Item 32	Approach Roadway Width	
Item 43	Structure Type, Main	
Item 51	Bridge Roadway Width	
Item 53	Vertical Clearance over Deck	
Item 54	Underclearance	
Item 55	Minimum Left	
Item 56	Minimum Right	
Item 100	Defense Highway Designation	

Items 58, 59, 60, 62, 67, 68, 69, 71 and 72 are used in the calculation of the Federal Sufficiency Rating. These data elements are supplied by ODOT and are not subject to corrections at this time.

The Inventory Rating (Item 66) must be provided by a Licensed Professional Engineer, based on calculations following ODOT's Load Rating Guidelines. The engineer's calculations must be included.

Item 66	Inventory Rating	
---------	------------------	--

Bridge Project Prospectus

Required Data For Bridges Not Listed in the National Bridge Inventory System (NBIS)

(Form Optional)

Applicant: City of Rogue River	Bridge Number: 9089		
Project Name / Section: Evans Creek (West Main St.) Bridge	Region: 3	Area: Rogue Valley	District: 8

This form must be completed for all bridges submitted that are not on the current National Bridge Inventory System (NBIS). The information must be in conformance with the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges, Report No. FHWA-PD-96-001, December 1995.

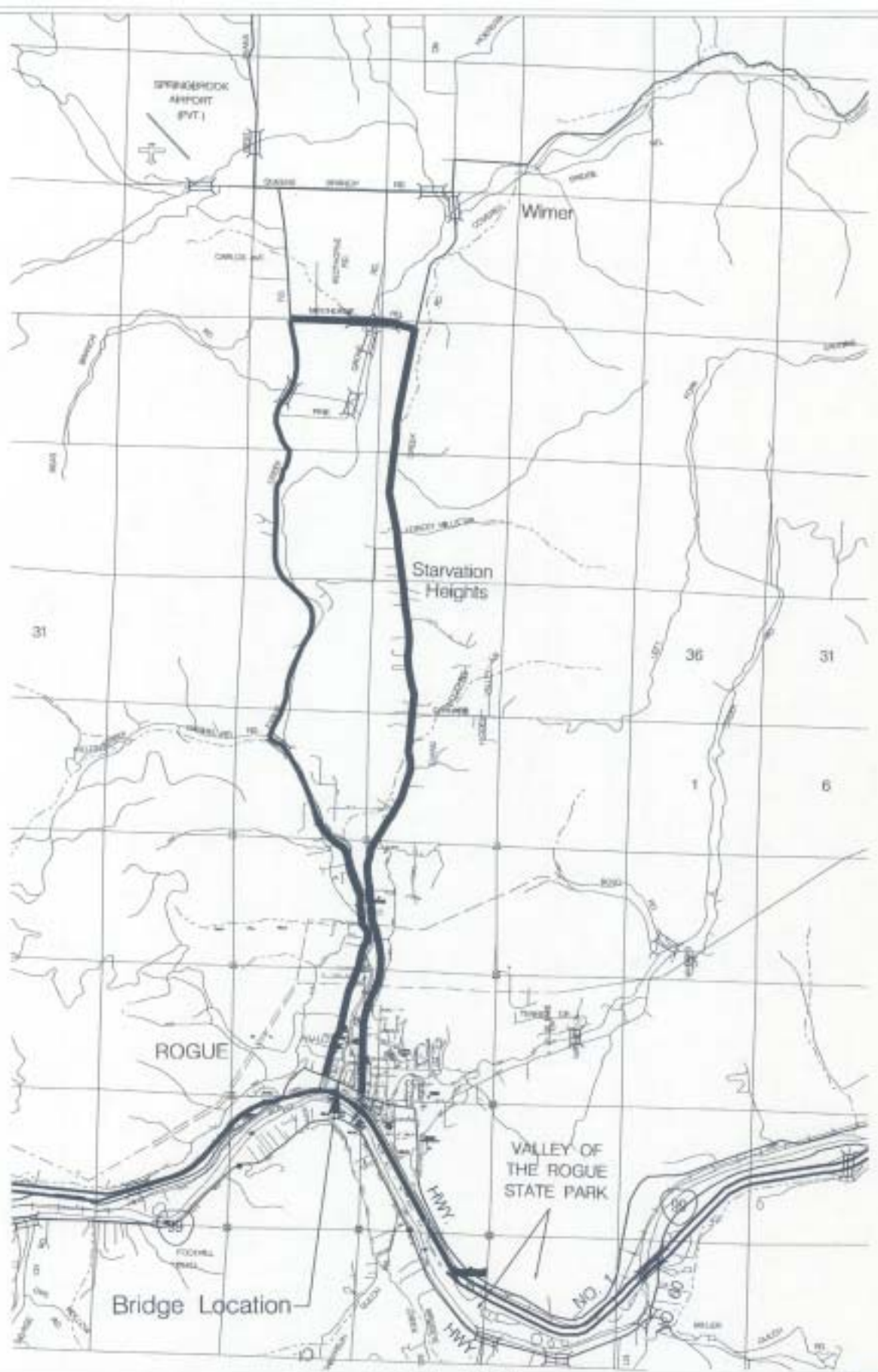
Item 19	Detour Length	
Item 26	Functional Classification	
Item 28	A Lanes on Structure	
Item 32	Approach Roadway Width	
Item 36	Traffic Safety Features	
Item 43	Structure Type, Main	
Item 51	Bridge Roadway Width	
Item 53	Vertical Clearance over Deck	
Item 54	Underclearance	
Item 55	Minimum Left	
Item 56	Minimum Right	
Item 100	Defense Highway Designation	

Items 58, 59, 60, 62, 67, 68, 69, 71 and 72 must be provided by a Certified Bridge Inspector, or a Licensed Professional Engineer. The inspector's evaluation must be included.

Item 58	Deck Condition	
Item 59	Superstructure Rating	
Item 60	Substructure Rating	
Item 62	Culverts	
Item 67	Structural Evaluation	
Item 68	Deck Geometry	
Item 69	Under-Clearance	
Item 71	Waterway Adequacy	
Item 72	Approach Road Alignment	

The Inventory Rating (Item 66) must be provided by a Licensed Professional Engineer, based on calculations following ODOT's Load Rating Guidelines. The engineer's calculations must be included.

Item 66	Inventory Rating	
---------	------------------	--



Detour 14.1 Miles (19 Minutes)
Evans Creek
West Main St. Bridge
CITY OF ROGUE RIVER

otak
 Incorporated
 2795 SE Burns Ferry Road
 Lake Oswego, OR 97035-5817
 Phone: 726-221-2828
 Fax: 555-425-2295



Photographs



Photograph No. 1 — Elevation looking north.



Photograph No. 2 — Superstructure.

Photographs
Continued



Photograph No. 3— Superstructure.



Photograph No. 4— Elevation looking south.

Photographs
Continued



Photograph No. 5— Approach looking east.

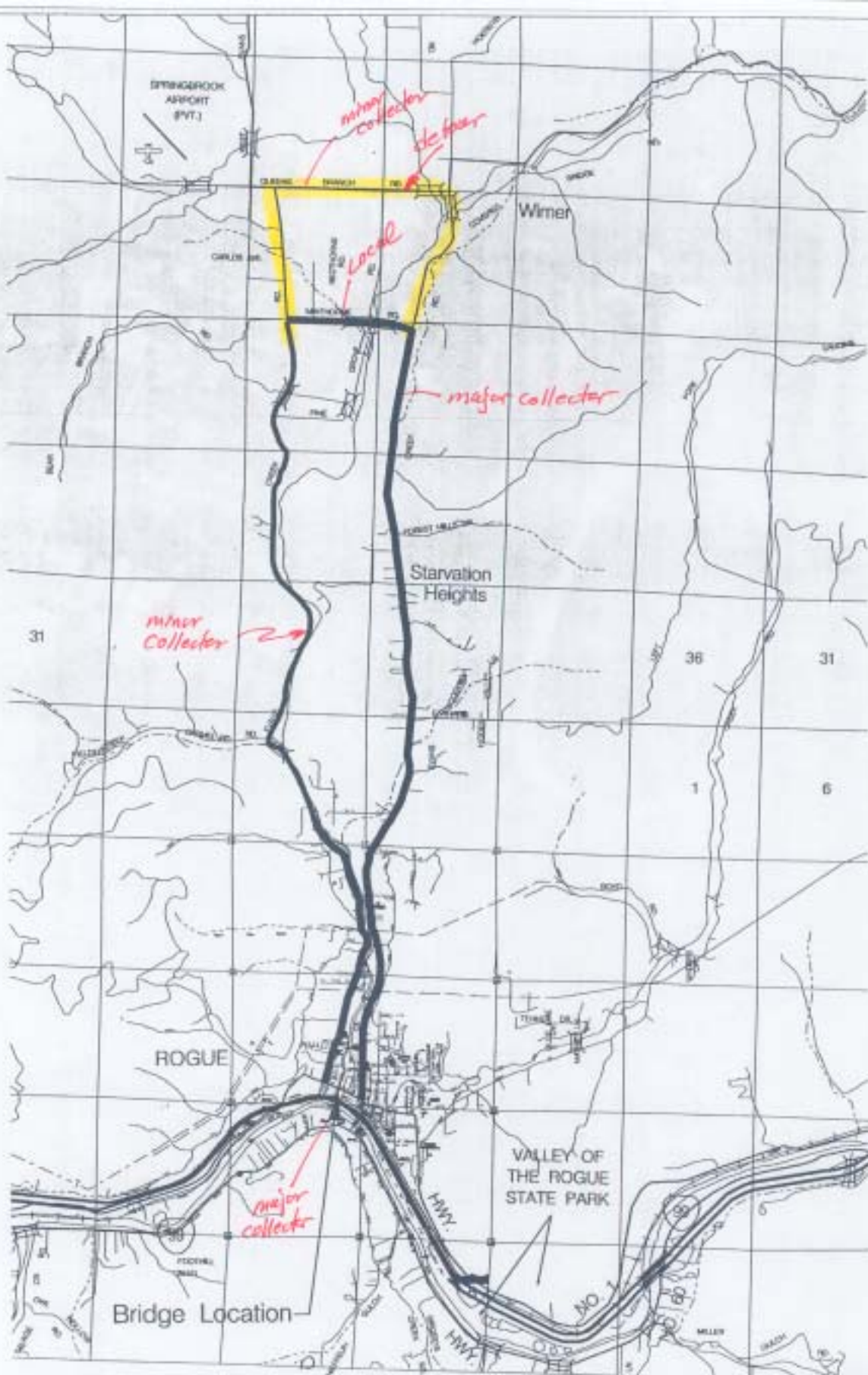


Photograph No. 6— Approach looking east.

Photographs
Continued



Photograph No. 7— Approach looking west.



Detour 14.1 Miles (19 Minutes)
 Evans Creek
 West Main St. Bridge
 CITY OF ROGUE RIVER





October 13, 2003

ODOT Bridge Section
Attn: Bob Thompson
355 Capital Street NE Room 301
Salem, OR 97301-3871

RE: City of Rogue River Evans Creek No. 9089 (West Main Street) Bridge OTIA III
Application

The City of Rogue River is pleased to have the opportunity to submit an application for funding to replace the Evans Creek Bridge at West Main Street. This bridge is a critical part of the transportation network for our community and the outlying areas that depend on City services, public schools, and businesses.

If you have any questions, or need further information, please call (541)-582-4401 Ext. 103.

Sincerely,

A handwritten signature in blue ink that reads "Ken Johnson". The signature is fluid and cursive.

Ken Johnson
Public Works Director

Attachment: Bridge Application
Vicinity map
Photos

