



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number: _____ Jurisdiction: _____

Section: **Jones Creek (Foothill Blvd.) Bridge No. 250005** Region: **3** Area: **Rogue Valley** District: **8**

State Highway No.: _____ Highway Name: _____ Mile Point: From: **.72** To: _____ Length: (mi) _____ (km) _____

Urban City: _____ MPO: _____ Within Yes County: _____ Road/Street Name: _____
 Rural UGB No **Josephine** **Foothill Blvd.**

Route No.: _____ NHS YES HPMS: _____ FC: _____ Applicant (if other than State): _____
 NO **Josephine County**

US Congressional District: **2** State Senate District: **2** State Representative District: **3**

Cost Estimates (x \$ 1,000) **Project Components** **Right Of Way**

Preliminary Engineering	\$111	Grading	<input checked="" type="checkbox"/>	Files	(#)	4
Right Of Way	\$24	Paving	<input checked="" type="checkbox"/>	Hectares	(#)	4
Utility Reimbursement		Structures	<input checked="" type="checkbox"/>	Relocations	(#)	0
		Signing	<input checked="" type="checkbox"/>	Acquisitions	(#)	2
Roadway	\$125	Signals		Easements	(#)	2
Structures	\$165	Illumination		Work By: State / Consultant / Applicant		
Signals	\$0			Preliminary Engineering	(S,C,A)	C
Illumination	\$0			Construction Engineering	(S,C,A)	C
Temp. Protection	\$25			Right of Way Descriptions	(S,C,A)	C
Const. Contingencies	\$92			Right Of Way Acquisitions	(S,C,A)	A
Const. Engineering	\$92					

Remove Exist Bridge	\$13	Environmental Class	(1, 2, 3, PCE)	2	Constructed By <input checked="" type="checkbox"/> Contract <input type="checkbox"/> County Force <input type="checkbox"/> State Force <input type="checkbox"/> Other <input type="checkbox"/> City Force
Other	\$41	Design Category	(1-7)	7	
Total CE and Construction:	\$554	Work Type Code	(1-13)	5	
Total Estimate:	\$ 689	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 geometrically deficient with a sufficiency rating of 37.3 and the bridge has begun to deteriorate resulting in a condition rating of 4 for the superstructure.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	2	
Average Daily Traffic	5093	5600	
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 new 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.

Prepared By: *[Signature]* Date: **10/13/03** OTC Approval Date: _____ Program Year: _____ Funding Amount: _____



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Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Jones Creek (Foothill Blvd.) Bridge No. 250005

Region:
3

Area: Rogue Valley

District:
8

Project Justification

Jones Creek Bridge (NBIS Number 250005)

This bridge is located on Foothill Blvd. Foothill Blvd. is classified as a rural collector road and has a ADT of 5,093. The pavement section consists of two 12 foot travel lanes and 4 foot shoulders on both sides. The bridge over Jones Creek is 33 feet wide and has two 12 foot lanes with 2-3 foot shoulders. Foothill parallels I-5 intermittently on the north and south side from Grants Pass to the City of Rogue River and is used as a bypass for I-5 when required by maintenance activity or accident response. Jones Creek Bridge on Foothill Blvd. provides access to Highway 199 and I-5 for numerous freight dependent businesses including: a helicopter (heavy lift) business; a freight and fueling company; an automobile repair business; a commercial freight distribution center (UPS); a tractor sales business; an aggregate resource extraction business; along with numerous other commercial ventures relying on freight delivery and pickup.

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 Josephine _____ County

By: _____ By: *[Signature]* 10/13/03

By: _____ By: _____

By: _____ By: _____

Applicable Intergovernmental Agreements:

JGA Number:	Jurisdiction Name:	Agreement Date:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Administrative Recommendation



Bridge Prospectus Cost Estimate

		NBIS			
Applicant:	Josephine County	Bridge No.	250005	Area:	District:
Project / Section	Jones Creek (Foothill Blvd.) Bridge No. 250005	Region:	3	Rogue Valley	8
New Bridge / Roadway Configuration:					
Left Side Rail	1 feet	Existing Bridge:		Bridge Length	30 feet
Left Sidewalk	0 feet	Bridge Length		Bridge Width	34 feet
Shoulder	12 feet	Area			113 square yds
Lane 2	0 feet	New AC Top Width			36 feet
Lane 1	12 feet	New AC Depth			6 inches
---CL---	0 feet	New Base Depth			12 inches
Lane 1	12 feet	Project Length			644 feet
Lane 2	feet	Net Road Work Length			600 feet
Shoulder	12 feet	X-S Side Slope			
Right Sidewalk	0 feet	AC Avg Width			38 feet
Right Side Rail	1 feet	Base Avg Width			44 feet
Bridge Length	44 feet	Asphalt Density			2 tons / yd
Bridge Width	50 feet	Base Density			2 tons / yd
New Area	244 square yds.	New AC Received			855 tons
		New Base Required			1980 tons
COST ESTIMATE:					
	Quantity	Unit	Price per unit	Cost (\$x1000s)	
Right-of-Way	1	Acre	\$ 40,000	\$24	
==Roadway==					
Clear & Grub	\$ 6,000	lump sum		\$6	
General Excavation	350	cubic yards	\$ 10.00	\$4	
Embankment in Place	-	cubic yards	\$ 26.00	\$0	
Pavement Removal	15,600	square feet	\$ 1.00	\$16	
Aggregate Base	1980	tons	\$ 14.00	\$28	
Asphalt Concrete	855	tons	\$ 55.00	\$47	
Riprap	200	cubic yards	\$ 35.00	\$7	
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				\$125	
Structures	2,200	square feet	\$ 75.00	\$165	
Signals	\$ -	lump sum		\$0	
Illumination	\$ -	lump sum		\$0	
Temporary Protection	\$ 25,000	lump sum		\$25	
Remove Existing Bridge	\$ 1,020	square feet	13	\$13	
Site Specific Bridge Items	\$ 41,000	lump sum		\$41	
		lump sum		\$0	
Subtotal Structures				\$244	
Subtotal Construction				\$369	
==Engineering==					
Construction Engineering	25	percent of construction		\$92	
Contingency	25	percent of construction		\$92	
Subtotal Const. Eng				\$185	
Preliminary Engineering Consultant	25	percent of construction		\$92	
State	3	percent of construction		\$11	
County	2	percent of construction		\$7	
Subtotal PE				\$111	
Total Estimate				\$689	

Bridge Project Prospectus Additional Bridge Information

Applicant: Josephine County		NBIS Bridge Number: 250005		
Project Name / Jones Creek (Foothill Blvd.) Bridge No. 250005 Section:		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 Existing Proposed Truck AADT: <input type="text" value="500"/>	Detour Detour Route: Length: <input type="text" value="1.9"/> Map: (Please attach map)	
		Fire Truck Usage: <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> No. Less than 25% of trips		

Regional Freight Corridor Analysis:

Foothill Blvd. meets the definition of a Regional Freight Route.

Special Consideration:

This bridge provides a bypass to I-5 from Grants Pass to Rogue River allowing a possible detour (if needed) for bridge replacement activities on I-5.

Bridge Project Prospectus

Requested Changes to National Bridge Inventory System (NBIS) Data

(Form Optional)

Applicant: Josephine County	Bridge Number: 250005		
Project Name / Section: Jones Creek (Foothill Blvd.) Bridge No. 250005	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 Structures Inventory and Appraisal of the Nation's Bridges, Report No. FHWA-PD-96-001, December 1995.

Changes proposed to the Detour 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	
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Bridge Project Prospectus

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

(Form Optional)

Applicant: Josephine County	Bridge Number: 250005		
Project Name / Section: Jones Creek (Foothill Blvd.) Bridge No. 250005	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	
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Photographs



Photograph No. 1 — Approach looking east.



Photograph No. 2 — Approach looking west.

Photographs
Continued



Photograph No. 3 — Elevation looking north.



Photograph No. 4 — Elevation looking south.

Photographs
Continued



Photograph No. 5 — Superstructure.



Josephine County, Oregon

Board of Commissioners: Jim Brock, Harold L. Haugen, Jim Riddle

PUBLIC WORKS

Robert Weber, Director

201 River Heights Way / Grants Pass, OR 97527

(541) 474-5460 / FAX (541) 474-5472

TDD# 1(800) 735-2900

October 13, 2003

Mr. Bob Thompson, P.E.
Bridge Operations Engineer
Oregon Department of Transportation
355 Capital Street NE, Room 301
Salem, OR 97301-3871

Re: OTIA III Program

Mr. Thompson:

Currently Josephine County has five (5) bridges with a sufficiency rating less than fifty (50). Of these five (5), one (1) is scheduled for replacement under the HBRR program, one (1) is a single lane steel truss bridge on a low volume local county road (low sufficiency rating due to its functionality), and three (3) bridges presented to you now for replacement under the OTIA III program. These three (3) bridges are, in priority to Josephine County:

1. Jones Creek Bridge - NBIS 250005. SR 37.3. This bridge lies on Foothill Boulevard. A road that meets the definition of a regional freight route.
2. Coyote Creek Bridge - NBIS 122005. SR 36.4. This bridge lies on Bloom Road. Bloom Road is a dead end road providing access to nine (9) residential properties and commercial forest lands.
3. Sucker Creek Bridge - NBIS 33c13. SR 41.8. This bridge lies on Holland Loop Road. This road provides access to Highway 46 for residential and commercial forest lands. *→ Bridge No. 9B0069*

Please call me at (541) 474-5460 if you have any questions concerning this request.

Sincerely,

J. Steven Hodge, P.E.
County Engineer

SH/br

pc: Bridges - OTIA III Program file

G:\BRIDGES\OTIAIII.wpd

ROADS BRIDGES DRAINAGE ENGINEERING SOLID WASTE FLEET BUILDINGS PROPERTY

RECEIVED

OCT 14 2003

BRIDGE SECTION