



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number:

Jurisdiction:

Section: **ODEM MEDO ROAD @ HIGHWAY 97**

Region: 4

Area:

District: 10

State Highway No.:

Highway Name:

Mile Point

From:

To:

Length: (mi) (km)

Urban
 Rural

City:

MPO:

Within UGB

Yes
 No

County:

DESCHUTES

Road/Street Name:

ODEM MEDO ROAD

Route No.:

NHS

YES
 NO

HPMS:

FC:

Applicant (if other than State):

CITY OF REDMOND

US Congressional District: 2

State Senate District: 27

State Representative District: 53

Cost Estimates (x \$ 1,000)

Project Components

Right Of Way

Preliminary Engineering	\$19	Grading	X	Files	(#)	0
Right Of Way	\$0	Paving	X	Hectares	(#)	0
Utility Reimbursement		Structures	X	Relocations	(#)	0
		Signing		Acquisitions	(#)	0
Roadway	\$46	Signage		Easements	(#)	0
Structures	\$135	Illumination		Work By: State / Consultant / Applicant		
Signals	\$0			Preliminary Engineering	(S,C,A)	C
Illumination	\$0			Construction Engineering	(S,C,A)	A
Temp. Protection	\$8			Right of Way Descriptions	(S,C,A)	A
Const. Contingencies	\$19			Right Of Way Acquisitions	(S,C,A)	A

Const. Engineering	\$19	Project Categories		Constructed By		
Remove Exist Bridge	\$0	Environmental Class	(1, 2, 3, PCE)	<input checked="" type="checkbox"/> Contract	<input type="checkbox"/> County Force	
Other	\$0	Design Category	(1-7)	<input type="checkbox"/> State Force	<input type="checkbox"/> Other	
Total CE and Construction:	\$226	Work Type Code	(1-13)	<input type="checkbox"/> City Force		
Total Estimate:	\$ 245	Primary STIP Work Type:				

Recommended Let Date By Federal Fiscal Year (Quarter-Year): 3RD QUARTER, 2004

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	4	Odem Medo Road is a major collector roadway in the City of Redmond which serves existing commercial development. The existing narrow, 2-lane bridge (over the Pilot Butte Canal) is capacity constrained and functionally obsolete. Planned widening of Odem Medo Road to provide additional turn lanes and increase intersection capacity also requires widening of the bridge.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	1	
Average Daily Traffic	7820	12900	
Year of ADT	2003	2020	
Throughway Y/N	Y	Y	

Describe Proposed Solution: - Attach Sketch Map

See attached preliminary design.

Prepared By:	Date:	OTC Approval Date:	Program Year:	Funding Amount:
X Chris Doty, PE, Assistant City Engineer	10/6/03		2004	\$245,000



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: ODEM MEDO ROAD @ HIGHWAY 97

Region:
4

Area:
0

District:
10

Project Justification

The capacity constrained intersection of Highway 97/Odem Medo Road currently limits the amount of commercial development that can be approved south of Odem Medo Road. The City is currently undertaking preliminary engineering to widen Odem Medo Road from a 2-lane to a 4-lane facility. The project will require widening of the existing 32-foot wide bridge. The planned widening improvements will improve the intersection level of service and permit approval of commercial development south of Odem Medo Road. The City will be able to begin construction of this project, which will spur commercial development and create jobs, immediately upon approval of OTIA III bridge funding. The bridge will be constructed to a width to accommodate future turn lanes when warranted.

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: Redmond and/or _____ County

By: Jo Anne Sutherland, City Manager By: _____

By: Alan Unger, Mayor By: _____

By: _____

Applicable Intergovernmental Agreements:

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

Administrative Recommendation

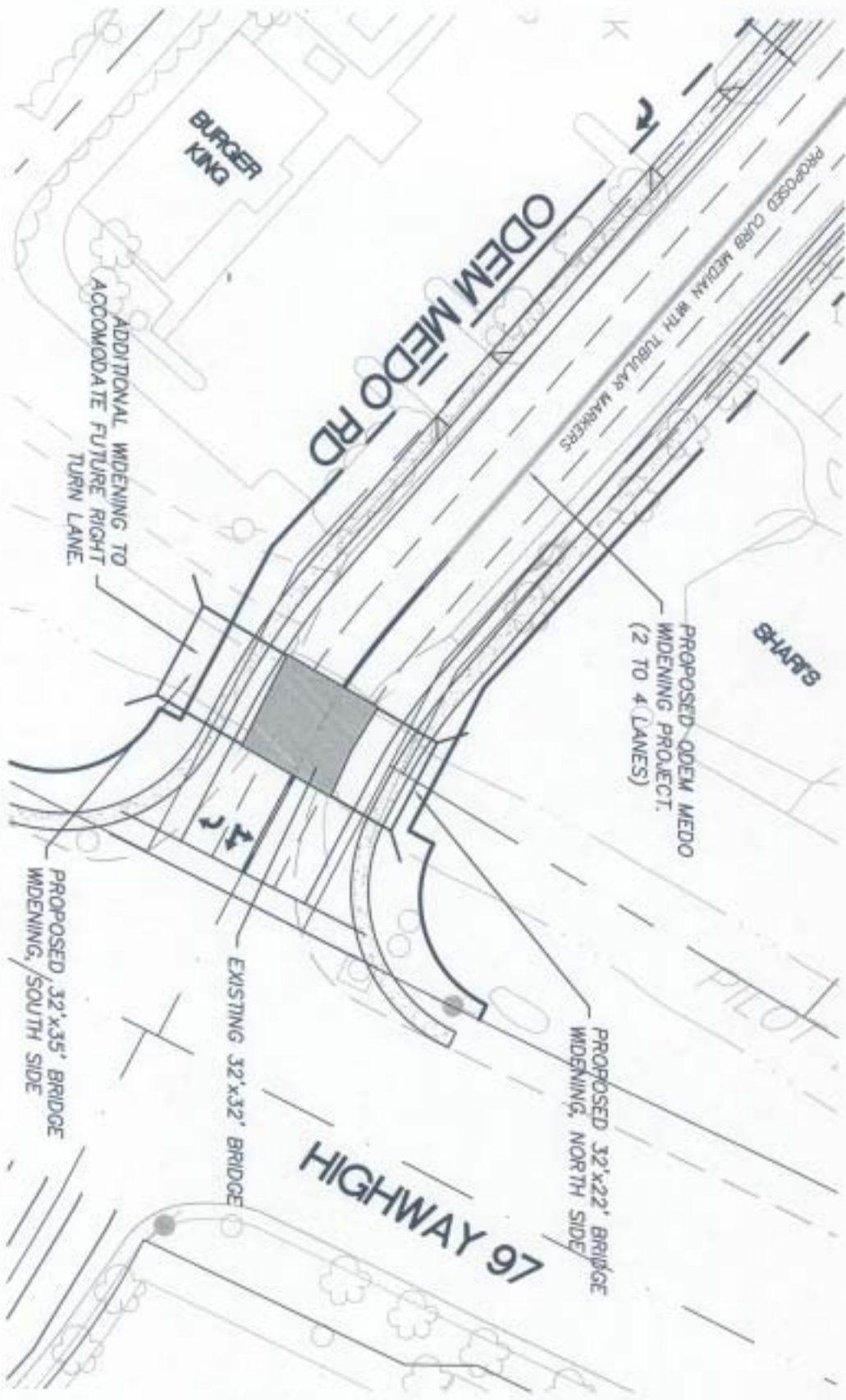
Bridge Prospectus Cost Estimate

Applicant: Project / Section		CITY OF REDMOND ODEM MEDO ROAD @ HIGHWAY 97	NBIS Bridge No. 09C61 Region: 4	Area: 0	District: 10
New Bridge / Roadway Configuration:					
Left Side Rail	33	feet	Existing Bridge:		
Left Sidewalk	27 to 32	feet	Bridge Length	32	feet
Shoulder		feet	Bridge Width	32	feet
Lane 2	22	feet	Area	1024	square ft.
Lane 1	11	feet	New AC Top Width	54	feet
--CL--	0	feet	New AC Depth	3	inches
Lane 1	11	feet	New Base Depth	10	inches
Lane 2	22	feet	Project Length	50	feet
Shoulder		feet	Net Road Work Length	50	feet
Right Sidewalk	27 to 32	feet	X-S Side Slope		
Right Side Rail	33	feet	AC Avg Width	54	feet
Bridge Length	32	feet	Base Avg Width	54	feet
Bridge Width	55	feet	Asphalt Density	145	pounds/ cu ft
New Area	1800	square ft.	Base Density	145	pounds/ cu ft
			New AC Received	50	tons
			New Base Required	165	tons
COST ESTIMATE:					
Right-of-Way	-	Acre	Price per unit \$ 50,000	Cost (\$x1000s) \$0	
==Roadway==					
Clear & Grub	\$ 7,000	lump sum		\$7	
General Excavation	500	cubic yards	\$ 10.00	\$5	
Embankment in Place	500	cubic yards	\$ 10.00	\$5	
Pavement Removal	2,700	square feet	\$ 2.50	\$7	
Aggregate Base	165	tons	\$ 45.00	\$7	
Asphalt Concrete	50	tons	\$ 45.00	\$2	
Riprap	100	cubic yards	\$ 10.00	\$1	
Guardrail, Type 2A		feet		\$0	
Guardrail, Type 3	60	feet	\$ 30.00	\$2	
Guardrail Trans	60	feet	\$ 30.00	\$2	
Flared Terminals	4	each	\$ 2,000.00	\$8	
Subtotal Roadway				\$46	
Structures	1,800	square feet	\$ 75.00	\$135	
Signals	-	lump sum		\$0	
Illumination	-	lump sum		\$0	
Temporary Protection	\$ 7,500	lump sum		\$8	
Remove Existing Bridge	\$ -	square feet	0	\$0	
Other		lump sum		\$0	
Other		lump sum		\$0	
Subtotal Structures				\$143	
Subtotal Construction				\$189	
==Engineering==					
Construction Engineering	10	percent of construction		\$19	
Contingency	10	percent of construction		\$19	
Subtotal Const. Eng.				\$38	
Preliminary Engineering Consultant	10	percent of construction		\$19	
State		percent of construction		\$0	
County		percent of construction		\$0	
Subtotal PE				\$19	
Total Estimate				\$245	

Bridge Project Prospectus Additional Bridge Information

Applicant: CITY OF REDMOND		NBIS Bridge Number: 09C61								
Project Name / Section: ODEM MEDO ROAD @ HIGHWAY 97		Region: 4	Area: 0	District: 10						
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: 10%;"></th> <th style="width: 45%; text-align: center;">Existing</th> <th style="width: 45%; text-align: center;">Proposed</th> </tr> </thead> <tbody> <tr> <td>Truck AADT:</td> <td style="text-align: center;">390</td> <td style="text-align: center;">390</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:	390	390	Detour Detour Route: Length: 0.25 MI. Map: (Please attach map)	
	Existing	Proposed								
Truck AADT:	390	390								
Regional Freight Corridor Analysis: Odem Medo Road is a major collector roadway which serves existing and proposed commercial development in Redmond. Odem Medo Road provides a connection to S Canal Boulevard, a minor arterial roadway, which serves as a parallel facility and subsequent emergency detour route to Highway 97.										
Special Consideration: As previously stated, the Odem Medo Road corridor provides access to existing and proposed commercial development. The signalized intersection of Highway 97/Odem Medo Road is capacity constrained. Widening the Odem Medo Road bridge (coupled with the City's planned street widening improvements) will permit approval of additional commercial development and subsequent job creation. Odem Medo Road serves as an emergency detour route for Highway 97.										

PROPOSED BRIDGE WIDENING: ODEM MEDO ROAD/HWY 97
SCALE: 1"=50'



1	OTIA III BRIDGE WIDENING	DATE: 10/08/02	 CITY OF REDMOND PUBLIC WORKS DEPARTMENT <small>870 E.E. Stevens Avenue, Redmond, OR, 97756 (503) 864-2200</small>
	ODEM MEDO RD/HWY 97	SCALE: 1"=50'	

TOTAL DETOUR LENGTH: 0.25 MILES



SCALE: 1"=500'



DETOUR MAP
ODEM MEDO ROAD BRIDGE
City of Redmond Engineering Department

875 S.E. Veterans Way, Redmond, OR, 97758 (541) 504.2000

SHEET :

1

of 1



CITY OF REDMOND ENGINEERING DEPARTMENT

875 SE VETERANS WAY
PO BOX 725
REDMOND, OR 97756-0100

541.504.2000
FAX: 541.548.0253
www.redmond.or.us

OTIA III PROPOSAL:

EXISTING BRIDGE LOCATION: ODEM MEDO ROAD/HIGHWAY 97



Looking southwest.



Looking south.



Looking north.



Eastbound view.



Westbound view.



**CITY OF REDMOND
ENGINEERING DEPARTMENT**

875 SE VETERANS WAY
PO BOX 726
REDMOND, OR 97756-0100

541.504.2000
FAX: 541.548.0253
www.redmond.or.us

October 10, 2003

Bob Thompson
ODOT Bridge Section
355 Capitol Street NE, Room 301
Salem, OR 97301

RE: OTIA III applications

Mr. Thompson:

On behalf of the City of Redmond, I respectfully submit the enclosed applications for OTIA III funding for the following bridge replacement projects in the City of Redmond (as listed in order of importance):

1. SW 27th Street/SW Umatilla Avenue (attachments noted)
 - a. Complete application
 - b. Preliminary design
 - c. Detour Map
 - d. Pictures
 - e. Structural Analysis

2. SW 27th Street/SW Timber Avenue
 - a. Complete application
 - b. Preliminary Design
 - c. Detour Map
 - d. Pictures
 - e. Structural Analysis

3. Odem Medo Road, NBIS#: 09C61 (bridge widening)
 - a. Complete application
 - b. Preliminary Design
 - c. Detour Map
 - d. Pictures

We thank you in advance for your consideration. Feel free to contact me with any questions or comments regarding the applications.

Sincerely,

Chris Doty, PE
Assistant City Engineer

