



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number: \_\_\_\_\_ Jurisdiction: \_\_\_\_\_

Section: **SILVER CREEK ( JAMES AVENUE BRIDGE SECTION)**

Region: **2** Area: **3** District: **3**

State Highway No.: \_\_\_\_\_ Highway Name: \_\_\_\_\_ Mile Point From: \_\_\_\_\_ To: \_\_\_\_\_ Length: (mi) \_\_\_\_\_ (km) \_\_\_\_\_

Urban  Rural City: \_\_\_\_\_ MPO: \_\_\_\_\_ Within UGB  Yes  No County: **Marion** Road/Street Name: **James Avenue**

Route No.: \_\_\_\_\_ NHS  YES  HPMS: \_\_\_\_\_ FC: \_\_\_\_\_ Applicant (if other than State): **City of Silverton**

US Congressional District: \_\_\_\_\_ State Senate District: \_\_\_\_\_ State Representative District: \_\_\_\_\_

Cost Estimates ( x \$ 1,000)		Project Components		Right Of Way	
Preliminary Engineering	\$0	Grading	yes	Files	(#)
Right Of Way	15.72	Paving	yes	Hectares	(#)
Utility Reimbursement	N/A	Structures	yes	Relocations	(#)
		Signing	yes	Acquisitions	(#)
Roadway	\$0	Signals	n/a	Easements	(#)
Structures	\$0	Illumination	n/a	Work By: State / Consultant / Applicant	
Signals	\$0			Preliminary Engineering (S.C.A)	consultant
Illumination	\$0			Construction Engineering (S.C.A)	consultant
Temp. Protection	\$0			Right of Way Descriptions (S.C.A)	consultant
Const. Contingencies	\$0			Right Of Way Acquisitions (S.C.A)	city force
Const. Engineering	\$0	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:	\$0	Work Type Code	(1-13)	<input type="checkbox"/> City Force	
Total Estimate:	\$ 98.6	Primary STIP Work Type:			
Recommended Let Date By Federal Fiscal Year (Quarter-Year):		2006-2007			

PE Fund: \_\_\_\_\_ RW Fund: \_\_\_\_\_ UR Fund: \_\_\_\_\_ CE-CN Fund: \_\_\_\_\_  
PE EA: \_\_\_\_\_ RW EA: \_\_\_\_\_ UR EA: \_\_\_\_\_ CE-CN EA: \_\_\_\_\_

Item	Existing	Proposed	Define The Problem:
Travel Lanes (#)	2	2	Low load rating and lack of sight distance and pedestrian facilities
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	2	
Average Daily Traffic	1750		
Year of ADT	2000		
Throughway Y/N	N		
			Describe Proposed Solution: - Attach Sketch Map
			Improve load capacity with new bridge that's wider and improve grade approach on south end of bridge. Also, improve turning with wider lanes.

Prepared By: *Richard Barger* Date: *10-15-03* OTC Approval Date: \_\_\_\_\_ Program Year: \_\_\_\_\_ Funding Amount: \_\_\_\_\_



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section:

0 Silver Creek (James Ave)

Region:

0-2

Area:

0-3

District:

03

## Project Justification

Low sufficiency rating based on load rating and poor approach conditions, narrowness, lack of good handicapped pedestrian access.

## Additional Information For Project Requested By Local Jurisdictions

Responsible Local Office To Be Contacted For The Following Activities:

- |  |                                   |                             |
|--|-----------------------------------|-----------------------------|
| 1. Public Hearing /<br>Citizen Involvement | <u>Public Works Dept</u> (Office) | <u>503-873-8679</u> (Phone) |
| 2. Environmental / Planning                | _____ (Office)                    | _____ (Phone)               |
| 3. Pre-Engineering                         | _____ (Office)                    | _____ (Phone)               |

This Official Request is From:

City of: Silverton and/or \_\_\_\_\_ County

By: Bryan Cosgrove By: \_\_\_\_\_

By: City Manager By: \_\_\_\_\_

By: \_\_\_\_\_

Applicable Intergovernmental Agreements:

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

## Administrative Recommendation

## Bridge Prospectus Cost Estimate

		NBIS			
Applicant: 0		Bridge No. 47C200			
Project / Section: 0		Region: 0		Area: 0	District: 0
<b>New Bridge / Roadway Configuration:</b>			<b>Existing Bridge:</b>		
Left Side Rail	2	feet	Bridge Length	96.0	feet
Left Sidewalk	6	feet	Bridge Width	36.5	feet
Shoulder	5	feet	Area	389.3	square yds.
Lane 2	N/A	feet	New AC Top Width	36	feet
Lane 1	113	feet	New AC Depth	6	inches
—CL—		feet	New Base Depth	12	inches
Lane 1	13	feet	Project Length	250	feet
Lane 2	N/A	feet	Net Road Work Length	150	feet
Shoulder	5	feet	X-S Side Slope		
Right Sidewalk	0	feet	AC Avg Width	30	feet
Right Side Rail	2	feet	Base Avg Width	30	feet
Bridge Length	98	feet	Asphalt Density	2.0	tons / yd
Bridge Width	46	feet	Base Density	1.7	tons / yd
New Area	500.9	square yds.	New AC Received	200	tons
			New Base Required	1700	tons
			Price		
<b>COST ESTIMATE:</b>			per unit		
Right-of-Way	0.03	Acre	500,000	Cost (\$x1000s)	
	==Roadway==			\$0 15.0 X 1000	
Clear & Grub	5,000	lump sum		\$0 5.0	
General Excavation	700	cubic yards	15.00	\$0 10.5	
Embankment in Place	100	cubic yards	13.00	\$0 1.3	
Pavement Removal	3,300	square feet	0.50	\$0 1.7	
Aggregate Base	1,700	tons	12.00	\$0 20.4	
Asphalt Concrete	200	tons	60.00	\$0 12.0	
Riprap	400	cubic yards	35.00	\$0 14.0	
Guardrail, Type 2A	----	feet	----	\$0 ----	
Guardrail, Type 3	----	feet	----	\$0 ----	
Guardrail Trans	----	feet	----	\$0 ----	
Flared Terminals	----	each	----	\$0 ----	
			Subtotal Roadway		\$0 64.9
Structures	4,508	square feet	125	\$0 563.5	
Signals	N/A	lump sum		\$0 0	
Illumination	0	lump sum		\$0 0	
Temporary Protection	10,000	lump sum		\$0 10.0	
Remove Existing Bridge	3,504	square feet	25	\$0 87.6	
Other Retaining Wall	15,000	lump sum		\$0 15.0	
Other Sidewalk, curbs	10,000	lump sum		\$0 10.0	
& ramps			Subtotal Structures		\$0 686.1
			Subtotal Construction		\$0 751.0
==Engineering==					
Construction Engineering	5.0	percent of construction		\$0 37.5	
Contingency	10.0	percent of construction		\$0 75.1	
			Subtotal Const. Eng.		\$0 112.6
Preliminary Engineering Consultant	12.0	percent of construction		\$0 90.0	
State	2.0	percent of construction		\$0 15.0	
County		percent of construction		\$0 ----	
			Subtotal PE		\$0 105.0
			Total Estimate		\$0 968.6

## Bridge Project Prospectus Additional Bridge Information

Applicant: 0 City of Silverton		NBIS Bridge Number: 0 47C200						
Project Name / Section: 0 Silver Creek, James Avenue		Region: 0 2	Area: 0	District: 0 3				
<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 border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Existing</th> <th style="width: 50%;">Proposed</th> </tr> </thead> <tbody> <tr> <td>Truck AADT: 5%</td> <td>5%</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: 5%	5%	<b>Detour</b> Detour Route: Length: 2000' Map: (Please attach map)		
Existing	Proposed							
Truck AADT: 5%	5%							
<b>Regional Freight Corridor Analysis:</b> <div style="border: 1px solid black; padding: 10px; min-height: 100px;"> <p style="text-align: center;">Not on truck route. Local deliveries only.</p> </div>								
<b>Special Consideration:</b> <div style="border: 1px solid black; padding: 10px; min-height: 100px;"> <p style="text-align: center;">Fire District estimates approximately 20% of their calls use this bridge.</p> </div>								



TO OREGON CITY

213

OSI. ON

SOUTH

SILVERTON

DETOUR ROUTE

SILVER CREEK, JAMES AVE.

DETOUR

MAP

SCALE: 1 inch = 1000 feet

MORROW

QUARRY

WILLAMETTE

HOBART

RD.

RD.

HOBART

SILVERTON VALLEY

ST. PAULS CEMETERY

SILVERTON AIRPORT (PVT.)

AMAYON WY.

AIRPORT

RD.

PINE

APRIL LN.

COX WY.

WY.

RD.

GRANT

MAPLE

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RD.

INDUSTRY

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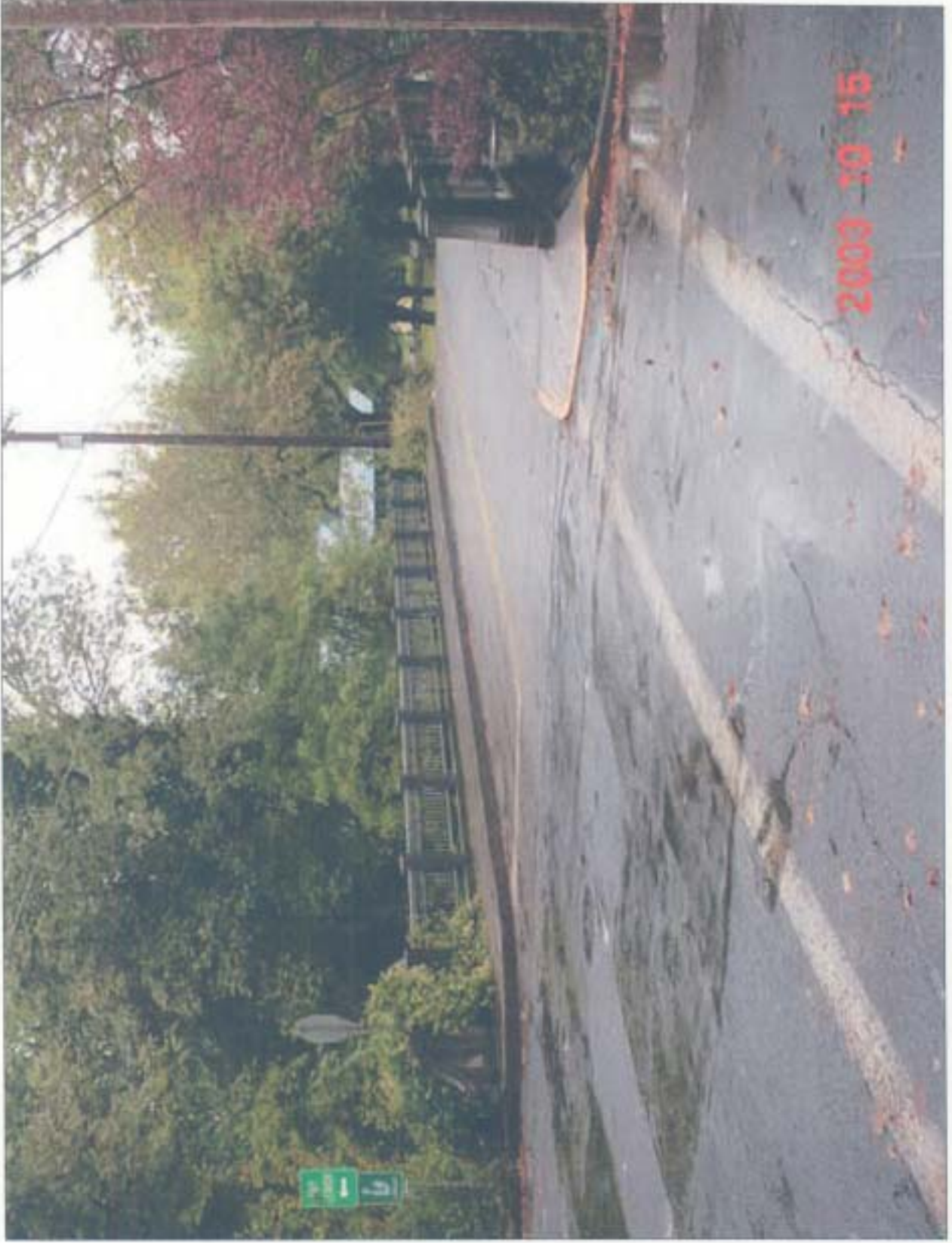
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10/15/03 James Street Bridge (looking Southeast)



10/15/03 James Street Bridge (looking Southwest)



10/15/03 James Street Bridge (looking north)



10/15/03 James Street Bridge (looking east)



10/15/03 James Street Bridge (looking west)



470234	81.0 Mill Creek, Chemeketa St N E	Marion	SALEM	City or Municipal Highway Agency	CHEMEKETA ST
470238	76.6 Mill Creek, State St	Marion	SALEM	City or Municipal Highway Agency	STATE STREET
470240	83.0 Mill Creek, 21st St S E	Marion	SALEM	City or Municipal Highway Agency	21ST ST SE
470242	94.3 Mill Creek, 23rd St S E	Marion	SALEM	City or Municipal Highway Agency	23RD ST SE
470244	88.9 Mill Creek, 25th St S E	Marion	SALEM	City or Municipal Highway Agency	25TH ST SE
470249	81.4 Mill Creek, State St	Marion	SALEM	City or Municipal Highway Agency	STATE STREET
470250	79.8 Mill Creek, State St	Marion	SALEM	City or Municipal Highway Agency	STATE STREET
470252	98.5 Mill Creek, Hawthorne Ave e	Marion	SALEM	City or Municipal Highway Agency	HAWTHORNE AVE
470256	65.5 Mill Creek, Park Rd	Marion	SALEM	City or Municipal Highway Agency	PARK ROAD
470258	73.4 Mill Creek, Turner Rd	Marion	SALEM	City or Municipal Highway Agency	TURNER RD
470260	97.5 Mill Creek, Kuebler Rd	Marion	SALEM	City or Municipal Highway Agency	KUEBLER ROAD
470405	77.5 Shelton Ditch, Winter St S E	Marion	SALEM	City or Municipal Highway Agency	WINTER ST SE
470414	32.8 Shelton Ditch, 13th St West Lane s	Marion	SALEM	City or Municipal Highway Agency	13TH ST WEST
470415	82.0 Shelton Ditch, 13th St East Lane s	Marion	SALEM	City or Municipal Highway Agency	13TH ST EAST
470420	100.0 Shelton Ditch, 14th St S E	Marion	SALEM	City or Municipal Highway Agency	14TH ST SE
470423	99.2 Shelton Ditch, 17th St S E	Marion	SALEM	City or Municipal Highway Agency	17TH ST SE
470425	100.0 Shelton Ditch, Lee St	Marion	SALEM	City or Municipal Highway Agency	LEE ST
470430	75.5 Shelton Ditch, 21st St S E	Marion	SALEM	City or Municipal Highway Agency	21ST SE
470435	81.0 Shelton Ditch, Ford St	Marion	SALEM	City or Municipal Highway Agency	FORD ST
470440	45.5 Shelton Ditch, 25th St S E	Marion	SALEM	City or Municipal Highway Agency	25TH ST SE
470445	76.0 Shelton Ditch, Airport Rd S E	Marion	SALEM	City or Municipal Highway Agency	AIRPORT RD
470602	84.7 Pringle Creek, Commercial St S E	Marion	SALEM	City or Municipal Highway Agency	COMMERCIAL ST SE
470604	79.2 Pringle Creek, Liberty St S E	Marion	SALEM	City or Municipal Highway Agency	LIBERTY ST SE
470606	81.0 Pringle Creek, High St S E	Marion	SALEM	City or Municipal Highway Agency	HIGH ST SE
470608	84.4 Pringle Creek/Shelton Ditch, Church St S E	Marion	SALEM	City or Municipal Highway Agency	CHURCH ST SE
470610	91.5 Pringle Creek, Winter St S E	Marion	SALEM	City or Municipal Highway Agency	WINTER ST SE
470612	78.2 Pringle Creek, Mission St S E	Marion	SALEM	City or Municipal Highway Agency	MISSION ST
470614	83.0 Pringle Creek, Cross St S E	Marion	SALEM	City or Municipal Highway Agency	CROSS ST SE
470618	71.5 Pringle Creek, 12th St S E	Marion	SALEM	City or Municipal Highway Agency	12TH ST
470620	91.2 Pringle Creek, 13th St S E	Marion	SALEM	City or Municipal Highway Agency	13TH ST SE
470630	96.9 Pringle Creek, 12th St Cutoff	Marion	SALEM	City or Municipal Highway Agency	12TH ST CUTOFF
471006	92.3 Battle Creek, Commercial St S E	Marion	SALEM	City or Municipal Highway Agency	COMMERCIAL ST SE
471010	12.1 Battle Creek, Fairway Ave S E	Marion	SALEM	City or Municipal Highway Agency	FAIRWAY AVE
471111	97.5 Kuebler Blvd SE over UPR R	Marion	SALEM	City or Municipal Highway Agency	KUEBLER BLVD
47C100	77.8 Silver Creek, Main St	Marion	SILVERTON	City or Municipal Highway Agency	MAIN ST
47C200	43.5 Silver Creek, James Ave e	Marion	SILVERTON	City or Municipal Highway Agency	JAMES AVENUE
47B003	96.1 Salem Ditch, N 1st Ave e	Marion	STAYTON	City or Municipal Highway Agency	N. FIRST AVE
47B004	58.9 Salem Ditch, N 2nd Ave e	Marion	STAYTON	City or Municipal Highway Agency	N. SECOND AVE
47B005	99.7 Salem Ditch, N 3rd Ave e	Marion	STAYTON	City or Municipal Highway Agency	N. THIRD AVE
47B007	85.8 Salem Ditch, W Washington St	Marion	STAYTON	City or Municipal Highway Agency	W WASH ST
47B009	91.4 Main Stayton Canal, N Holly Ave e	Marion	STAYTON	City or Municipal Highway Agency	N. HOLLY AVE
47B010	72.6 Main Stayton Canal, Jettiers Way	Marion	STAYTON	City or Municipal Highway Agency	JETTERS WAY
47C102	91.5 Main Stayton Canal, E Water St	Marion	STAYTON	City or Municipal Highway Agency	EAST WATER ST
47C103	80.0 Main Stayton Canal, N 4th Ave e	Marion	STAYTON	City or Municipal Highway Agency	N 4TH AVE.
19062	83.0 Mill Creek, 5th St	Marion	TURNER	City or Municipal Highway Agency	5TH ST

October 15, 2003



306 S Water Street  
Silverton OR 97381

503-873-5321  
Fax: 503-873-3210

Mr. Bob Thompson, P.E.  
ODOT Bridge Section  
355 Capitol Street NE, Room 301  
Salem, OR 97301

Subject: OTIA III Bridge Replacement Application

Dear Mr. Thompson:

On behalf of the City of Silverton, please accept the enclosed application for replacement of the Silver Creek – James Avenue bridge in the City of Silverton. This bridge is worthy of replacement to better serve the City's growing transportation needs. We do not have sufficient funds to do this otherwise. Please feel free to contact myself or Public Works Director, Rich Barstad if you have any questions.

Sincerely,

Bryan Cosgrove,  
City Manager

47C200

Encls.  
C: file

