



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: Scio (Thomas Creek) Bridge #02623		Key Number:	Jurisdiction:
State Highway No.:	Highway Name:	Region: 2	Area:
Mile Point: From: 0.04 To: 0.06		District: 4	Length: (mi) (km)
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	City:	MPO:	With/Without UGB: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
County: Linn	HPMS: <input type="checkbox"/> YES <input type="checkbox"/> NO	FC:	Applicant (if other than State): Linn County
Route No.:	NHS: <input type="checkbox"/> YES <input type="checkbox"/> NO	US Congressional District: 4	State Senate District: 19
State Representative District: 37		Cost Estimates (x \$ 1,000)	
Project Components		Right Of Way	
Preliminary Engineering	\$0 <i>see est.</i>	Grading	x Files (#) 2
Right Of Way	\$0	Paving	x Hectares (#) <1
Utility Reimbursement		Structures	x Relocations (#) 0
		Signing	x Acquisitions (#)
Roadway	\$0 <i>see est.</i>	Signals	Easements (#)
Structures	\$0	Illumination	Work By: State / Consultant / Applicant
Signals	\$0		Preliminary Engineering (S,C,A) County Force
Illumination	\$0		Construction Engineering (S,C,A) County Force
Temp. Protection	\$0		Right of Way Descriptions (S,C,A) C/S
Const. Contingencies	\$0		Right Of Way Acquisitions (S,C,A) C/S
Const. Engineering	\$0	Project Categories	
Remove Exist Bridge	\$0	Environmental Class (1, 2, 3, PCE)	2
Other	\$0	Design Category (1-7)	7
Total CE and Construction:	\$0	Work Type Code (1-13)	5
Total Estimate:	\$1423	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	This bridge has sufficiency rating of 44 and does not provide for street width continuity in downtown Scio. The structure is functionally obsolete. This bridge is the only south entrance into the city of Scio without using a 11-mile (roundtrip) detour.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	y	y	
Average Daily Traffic	5066		
Year of ADT	1999		
Throughway Y/N			
Describe Proposed Solution: - Attach Sketch Map			
Construct a new bridge and approaches to full city street width.			
Prepared By: X	Date:	OTC Approval Date:	Program Year: Funding Amount:



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:	Jurisdiction:
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Section: Scio (Thomas Creek) Bridge #02623	Region: 2	Area: 0	District: 4
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Project Justification

The bridge inspection program has identified this structure as deficient. It is functionally obsolete in that the clear deck width is 24-feet and the approach street width is 50-55 feet. The structure is located in the downtown area and the narrow width creates a bottle-neck impeding traffic and other city center activities. The structure is located adjacent to the junction with OR226. The sharp corner on OR226 creates traffic flow problems for trucks. Although not part of the bridge replacement, Linn County is willing to partner with ODOT to improve this intersection. There are possible historic structures on the SW and NW corners of the bridge. A small city park is located on the NE corner and a city war memorial is on the SE corner. At least one structure is very close to the road and may be impacted. Preliminary design work may be necessary to determine impacts on the other corners. Development of the project would be closely coordinated with the city of Scio.

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	Darrin Lane, Roadmaster	County
By: _____	By: _____		
By: _____	By: _____		
	By: _____		

Applicable Intergovernmental Agreements:

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

Administrative Recommendation



LINN COUNTY ROAD DEPARTMENT

3010 FERRY STREET SW, ALBANY, OREGON, 97321
 TELEPHONE: (541) 967-3919 FAX: (541) 924-0202

OTIA / HBRRP Estimate
STRUCTURE & ROADWAY
Scio (Thomas Creek) Bridge
 BR #611-003 ODOT #02623

STRUCTURES

	WIDTH	LENGTH	S.F.	C.F.	m ²	\$/m ²	TOTAL COST	TOTAL + 15%
OLD BRIDGE - REMOVAL	24.00	95.00	2280.00	0.0929	211.81	150.00	31771.80	36537.57
DETOUR BRIDGE - CONSTRUCTION	24.00	146.00	3504.00	0.0929	325.52	389.72	126861.96	145891.25
							158633.76	182428.82
	WIDTH	LENGTH	S.F.	C.F.	m ²	\$/m ²	TOTAL COST	TOTAL + 15%
NEW BRIDGE - CONSTRUCTION	60.00	146.00	8760.00	0.0929	813.80	870.00	708009.48	814210.90
							708009.48	814210.90
GRAND TOTAL (2000) - STRUCTURE							866543.24	
GRAND TOTAL (2004) - STRUCTURE								996639.72

ROADWAY

DETOUR CONNECTIONS - BASE	WIDTH	LENGTH	DEPTH	C.F.	TONS	\$/TON	TOTAL COST	TOTAL + 15%
A.C.	14.50	200.00	0.33	0.0704	68.02	35.00	2380.86	2737.99
BASE ROCK	16.50	200.00	1.00	0.0667	220.00	14.00	3080.00	3542.00
							5460.86	6279.99
GUARD RAIL	TYPE	QTY	UNITS	C.F.	m	\$/UNIT	TOTAL COST	TOTAL + 15%
	2A	100.00	FEET	0.3048	30.48	42.50	1295.40	1489.71
	3	50.00	FEET	0.3048	15.24	120.38	1834.59	2109.78
	END	4.00	EA.			146.00	584.00	671.60
	ANCHOR	4.00	EA.			400.00	1600.00	1840.00
							5313.99	6111.09
	QTY	LENGTH	UNITS	C.F.	m	\$/UNIT	TOTAL COST	TOTAL + 15%
CURB & GUTTER	4	100.00	FEET	0.3048	121.92	41.35	5041.392	5797.60
SIDEWALK	4	100.00	FEET	0.3048	121.92	23.33	2844.3936	3271.05
CURB INLETS	4		EA.			1100.00	4400	5060.00
MANHOLES	4		EA.			2500.00	10000	11500.00
STORM DRAIN - 15" MAIN	1	200.00	FEET	0.3048	60.96	65.00	3962.4	4556.78
STORM DRAIN - 12" LATERALS	1	200.00	FEET	0.3048	60.96	96.00	5852.16	6729.98
							32100.35	38915.40
	AREA	DEPTH	C.F.	TONS	Mg	\$/UNIT	TOTAL COST	TOTAL + 15%
BASE ROCK	22400	1.333333	0.0667	1991.111	1806.336	26.00	46964.74	54009.45
AC	20000	0.333333	0.0704	469.1358	425.6	38.80	16513.28	18990.27
							63478.02	72999.72
GRAND TOTAL (2000) - ROADWAY							106353.22	
GRAND TOTAL (2004) - ROADWAY								122306.20
P.E. (7% of 978,000)	68460.00							
ENG. & CONT. (20% of 978,000)	195600.00							
2004 P.E. (7% of 1,125,000)	78728.71							
2004 ENG. & CONT. (20% of 1,125,000)	224939.18							
ESTIMATE (2000) GRAND TOTAL							\$1,237,056.45	
ESTIMATE (2004) GRAND TOTAL							\$1,422,613.82	

Bridge Project Prospectus Additional Bridge Information

Applicant: Linn County		NBIS Bridge Number: 2623		
Project Name / Section: Scio (Thomas Creek) Bridge #02623		Region: 2	Area: 0	District: 4
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 <div style="display: flex; justify-content: space-around;"> Existing Proposed </div> Truck AADT: <input style="width: 50px;" type="text"/>		Detour Detour Route: Length: <input style="width: 50px;" type="text" value="5.5 mi"/> Map: (Please attach map)	
		Fire Truck Usage: <input checked="" type="checkbox"/> YES, at least 25% of trips use bridge. <input type="checkbox"/> No. Less than 25% of trips		

Regional Freight Corridor Analysis:

The city of Scio is a main industrial/commercial hub between the city of Stayon, city of Lebanon and numerous farming sites all of which use this bridge to deliver and receive goods. Highway 226 is approximately 150-feet south of the bridge location at which goods are delivered to and from the Scio area to the cities of Lyons, Mill City, and Gates.

Special Consideration:

This bridge is on a seismic priority-1 lifeline route and is the only connection at the south side of the city of Scio. The shortest route around this bridge is approximately 5-miles one way. This is a considerable amount of driving time required during an emergency if the bridge were to become unpassable.

This bridge provides access to several properties zoned for farm and industrial use. Some of these properties are undeveloped and have the potential to produce future jobs. Access to multiple current businesses is provided directly from this bridge.

Bridge Project Prospectus

Requested Changes to National Bridge Inventory System (NBIS) Data

(Form Optional)

Applicant: Linn County	Bridge Number: 2623		
Project Name / Section: Scio (Thomas Creek) Bridge #02623	Region: 2	Area: 0	District: 4

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 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: Linn County	Bridge Number: 2623		
Project Name / Section: Scio (Thomas Creek) Bridge #02623	Region: 2	Area: 0	District: 4

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 28	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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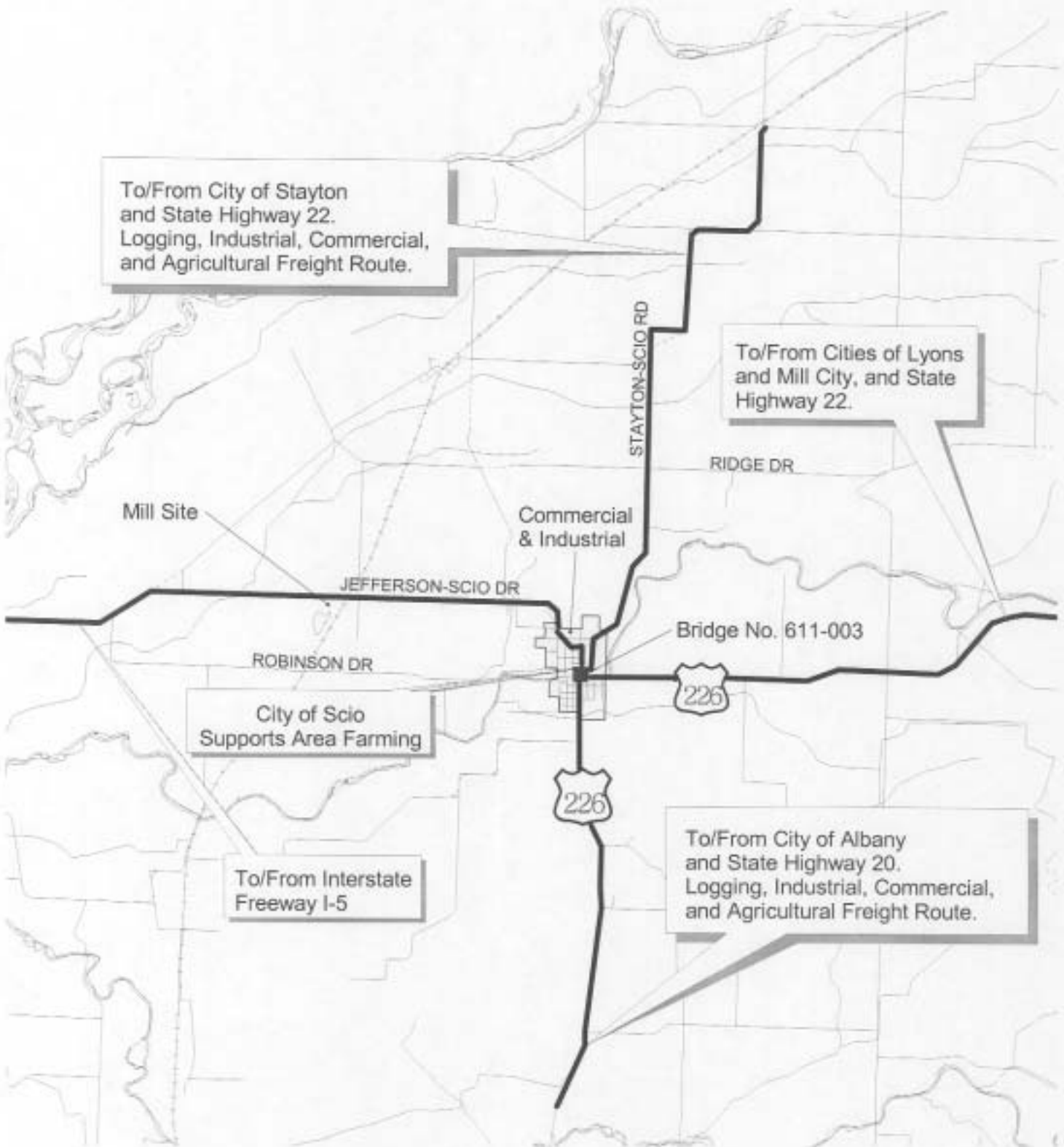
SCIO N. MAIN STREET DETOUR ROUTE

DETOUR IS 7.2 MILES, ONE WAY



0.5 0 0.5 Miles

Stayton-Scio Road Freight Corridor Bridge No. 611-003



To/From City of Stayton and State Highway 22. Logging, Industrial, Commercial, and Agricultural Freight Route.

To/From Cities of Lyons and Mill City, and State Highway 22.

City of Scio Supports Area Farming

To/From Interstate Freeway I-5

To/From City of Albany and State Highway 20. Logging, Industrial, Commercial, and Agricultural Freight Route.

