



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: Clackamas River (FAS A629) Bridge - Springwater Road (Carver) #1446										Key Number:		Jurisdiction:							
State Highway No.: Highway Name:										Region: 1		Area:		District: 2C					
Mile Point From: 0.08 To: 0.18 Length: (mi) 0.10 (km)																			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural										City:		MPO:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		County: Clackamas County		Road/Street Name: Springwater Road	
Route No.: NHS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO HPMS:										FC: 07		Applicant (if other than State): Clackamas County							
US Congressional District: 3										State Senate District: 26				State Representative District: 51					
Cost Estimates (x \$ 1,000)				Project Components				Right Of Way											
Preliminary Engineering		\$690		Grading		x		Files		(x)		4							
Right Of Way		\$250		Paving		x		Hectares		(x)		1							
Utility Reimbursement				Structures		x		Relocations		(x)		1							
				Signing		x		Acquisitions		(x)									
Roadway		\$744		Signals		x		Easements		(x)		3							
Structures		\$3,079		Illumination				Work By: State / Consultant / Applicant											
Signals		\$200						Preliminary Engineering (S.C.A.)				C							
Illumination		\$0						Construction Engineering (S.C.A.)				C,A							
Temp. Protection		\$395						Right of Way Descriptions (S.C.A.)				C							
Const. Contingencies		\$1,379						Right Of Way Acquisitions (S.C.A.)				C							
Const. Engineering		\$460		Project Categories				Constructed By											
Remove Exist Bridge		\$180		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force									
Other		\$0		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other									
Total CE and Construction:		\$6,436		Work Type Code (1-13)		5		<input type="checkbox"/> City Force											
Total Estimate:		\$ 7,375		Primary STIP Work Type:															
Recommended Let Date By Federal Fiscal Year (Quarter-Year):										2nd-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 (x)	2	2	This bridge has a 25 year old deteriorated lead based paint system. If the paint system is allowed to further deteriorate, a complete removal of the lead paint would be required. The structure has a sufficiency rating of 53.5 and is considered functionally obsolete.																
Structures (x)	1	1																	
Signals (x)	0	0																	
Bike Way (x)	0	2																	
Average Daily Traffic	2650	6900																	
Year of ADT	2000	2003																	
Throughway Y/N			Describe Proposed Solution: - Attach Sketch Map																
			Replace the deteriorating, functionally obsolete structure with a new bridge. The new bridge will be wider and both approaches will be rerouted to meet current geometric standards.																
Prepared By:				Date:		OTC Approval Date:		Program Year:		Funding Amount:									
X																			

4/24/03
HEJ



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Clackamas River (FAS A629) Bridge - Springwater Road (Car

Region:

1

Area:

0

District:

2C

Project Justification

The Clackamas River (FAS A629) Bridge connects to State Highway 224 in downtown Carver. This bridge serves as a regional freight corridor connecting multiple farm operations to Oregon State Highway 224. It is also an emergency detour route for Oregon State Highway 224. The existing bridge truss is coated with deteriorating lead paint. Rather than rehabilitate this functionally obsolete structure, the County is proposing replacing it with a new bridge that meets modern geometric standards. In addition, the approaches would be improved to meet current geometric standards.

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 _____ County
By: _____	By: Stephen Malby, P.E.
By: _____	By: Michael B. Bezner, P.E.
	By: _____

Applicable Intergovernmental Agreements:

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

Administrative Recommendation

HBRR BRIDGE PROSPECTUS COST ESTIMATE

Bridge Name	Clackamas R (FAS A629) Bridge	Bridge No.	1446	Note: inputs are shaded
NEW BRIDGE/ROADWAY CONFIG		OLD BRIDGE CONFIG		
LEFT SIDEWALK	8.00 ft	LENGTH	513.00 ft	
BIKE LANE/SHOULDER	8.00 ft	WIDTH	35.00 ft	
LANE 2	ft			
LANE 1	12.00 ft	AREA	17955.00 sf	
----- CL -----				
LANE 1	12.00 ft	NEW AC WIDTH	48.00 ft	
LANE 2	ft	NEW AC DEPTH	6.00 in	
BIKE LANE/SHOULDER	6.00 ft	NEW BASE DEPTH	18.00 in	
RIGHT SIDEWALK	6.00 ft	PROJ LENGTH	750.00 ft	
RAIL (EA. SIDE)	2.00 ft	NET RDWK LENGTH	230.00 ft	
NEW BRIDGE WIDTH	52.00 ft	BASE SIDE SLOPE	3 :1	
NEW BRIDGE LENGTH	520.00 ft	ASPHALT DENSITY	146 pcf	
NEW BRIDGE AREA	27040.00 ft ²	BASE DENSITY	142.00 pcf	
		NEW AC REQ'D	731.95 tons	
		BASE AVG WIDTH	52.50 ft	
		NEW BASE REQ'D	1285.99 tons	

COST ESTIMATE

	QTY	UNIT	PRICE	COST	\$(000'S) ROUNDED
RIGHT-OF-WAY	1	Lump Sum	\$250,000.00	\$250,000	250
ROADWAY					
MOBILIZATION	1	Lump Sum	\$363,629.98	\$363,830	364
EROSION CONTROL	1	Lump Sum	\$23,105.21	\$23,105	23
DETOUR ROAD	1	Lump Sum	\$100,000.00	\$100,000	100
CLEAR & GRUB	1	Lump Sum	\$19,016.64	\$19,017	19
TEMP. SIGNS	400	ft ²	\$20	\$8,000	8
TEMP. BARRICADES	20	Each	\$150	\$3,000	3
GENERAL EXCAVATION	2,000	CY	\$15	\$30,000	30
EMBANKMENT IN PLACE	2,000	CY	\$20	\$40,000	40
PAVEMENT REMOVAL	1,000	SY	\$10	\$10,000	10
AGGREGATE BASE	1,286	tons	\$15	\$19,290	19
ASPHALT CONCRETE	732	tons	\$35	\$25,618	26
RIPRAP	500	CY	\$60	\$30,000	30
GUARDRAIL, TYPE 2A		ft			
GUARDRAIL, TYPE 3	200	ft	\$40	\$8,000	8
GUARDRAIL TRANS	4	Each	\$1,750	\$7,000	7
G. RAIL TERMINAL, FLARED	4	Each	\$1,700	\$6,800	7
MITIGATION	1	Lump Sum	\$50,000	\$50,000	50
			SUBTOTAL ROADWAY	\$743,660	744
STRUCTURES, SIGNALS & ILLUMINATION					
STRUCTURES	27,040	ft ²	\$110	\$2,974,400	2,974
CONC. BR RAIL, TYPE F	1,040	ft	\$75	\$78,000	78
BRIDGE END PANELS	1,560	ft ²	\$17	\$26,520	27
			SUBTOTAL STRUCTURES	\$3,078,920	3,079
TEMP. PROTECTION					
REMOVE EXIST. BRIDGE	1	Lump Sum	\$394,776.77	\$394,777	395
SIGNALS	17,955	ft ²	\$10	\$179,550	180
ILLUMINATION	1	Lump Sum	\$200,000	\$200,000	200
			SUBTOTAL CONSTRUCTION	\$4,596,907	4,597
CONSTRUCTION ENGINEERING					
CONTINGENCIES	30 % OF	4,596,907		\$1,379,072	1,379
CE	10 % OF	4,596,907		\$459,691	460
			TOTAL CONSTRUCTION	\$6,435,669	6,436
PRELIMINARY ENGINEERING					
CONSULTANT	11.0 % OF	4,596,907		\$505,660	
STATE	2.0 %			\$91,938	
COUNTY	2.0 %			\$91,938	
TOTAL PE			TOTAL PE	\$689,536	690
			TOTAL ESTIMATE	\$7,375,205	7,375

Bridge Project Prospectus Additional Bridge Information

Applicant: Clackamas County		NBIS Bridge Number: 0				
Project Name / Section: Clackamas River (FAS A629) Bridge - Springwater Road (Carver) #1446		Region: 1	Area: 0			
		District: 2C				
<p style="text-align: center;">Funding</p> <p>Preferred Source:</p> <p><input checked="" type="checkbox"/> OTIA III</p> <p><input type="checkbox"/> Federal HBRR</p> <p>Acceptable Source:</p> <p><input checked="" type="checkbox"/> OTIA III</p> <p><input type="checkbox"/> Federal HBRR</p>	<p style="text-align: center;">Heavy Vehicle Usage</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Existing</td> <td style="text-align: center;">Proposed</td> </tr> <tr> <td>Truck AADT: <input style="width: 50px;" type="text" value="590"/></td> <td><input style="width: 50px;" type="text" value="590"/></td> </tr> </table> <p>Fire Truck Usage:</p> <p><input type="checkbox"/> YES, at least 25% of trips use bridge.</p> <p><input checked="" type="checkbox"/> No. Less than 25% of trips</p>	Existing	Proposed	Truck AADT: <input style="width: 50px;" type="text" value="590"/>	<input style="width: 50px;" type="text" value="590"/>	<p style="text-align: center;">Detour</p> <p>Detour Route:</p> <p>Length: <input style="width: 50px;" type="text" value="17.4 miles"/></p> <p>Map: (Please attach map)</p>
Existing	Proposed					
Truck AADT: <input style="width: 50px;" type="text" value="590"/>	<input style="width: 50px;" type="text" value="590"/>					
<p>Regional Freight Corridor Analysis:</p> <p>This bridge serves as a regional freight corridor connecting multiple farm operations to Oregon State Highway 224.</p>						
<p>Special Consideration:</p> <p>This bridge is on an emergency detour route for Oregon State Highway 224.</p>						

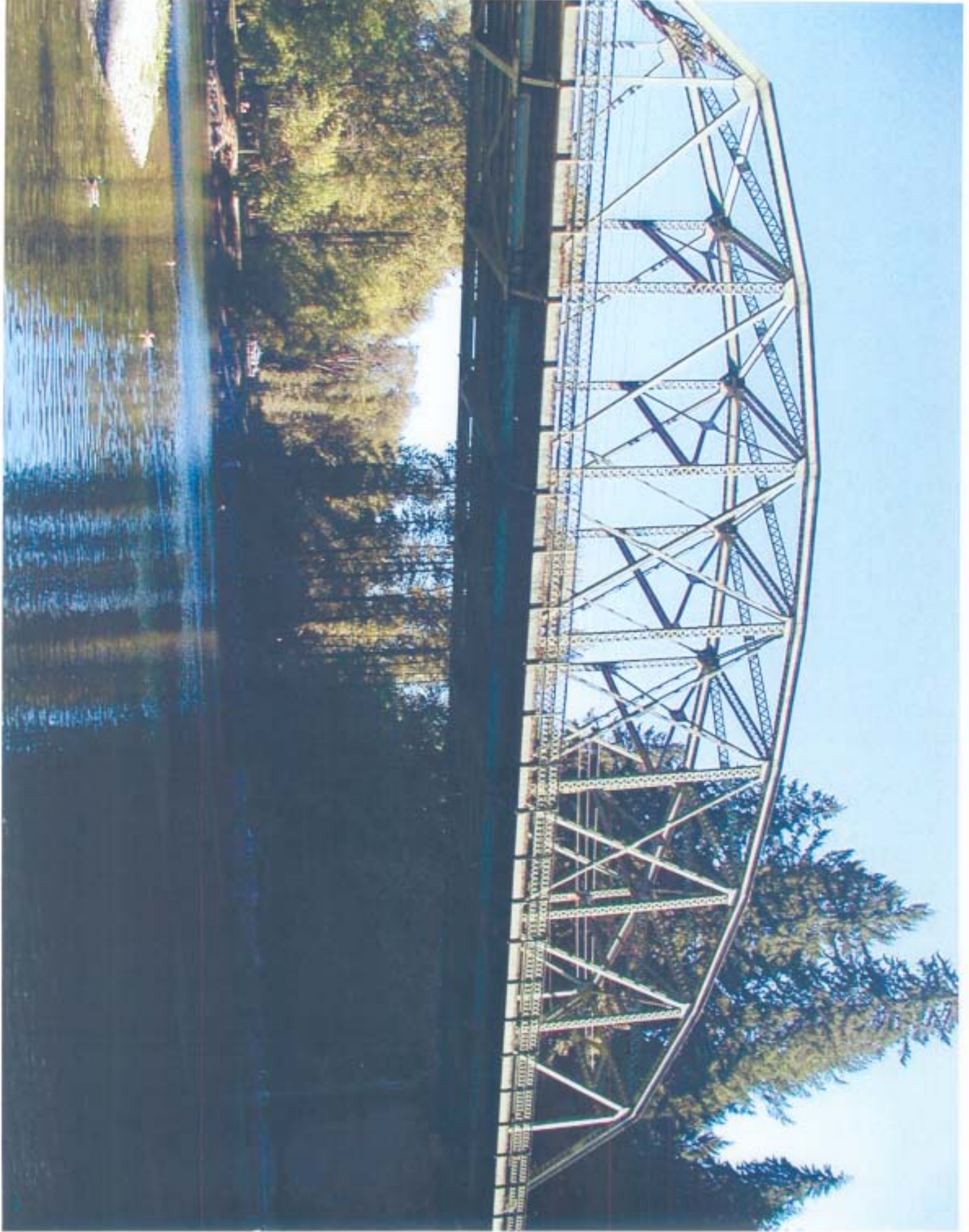


Kootenai
POWER PLANT
Kootenai Power Corporation

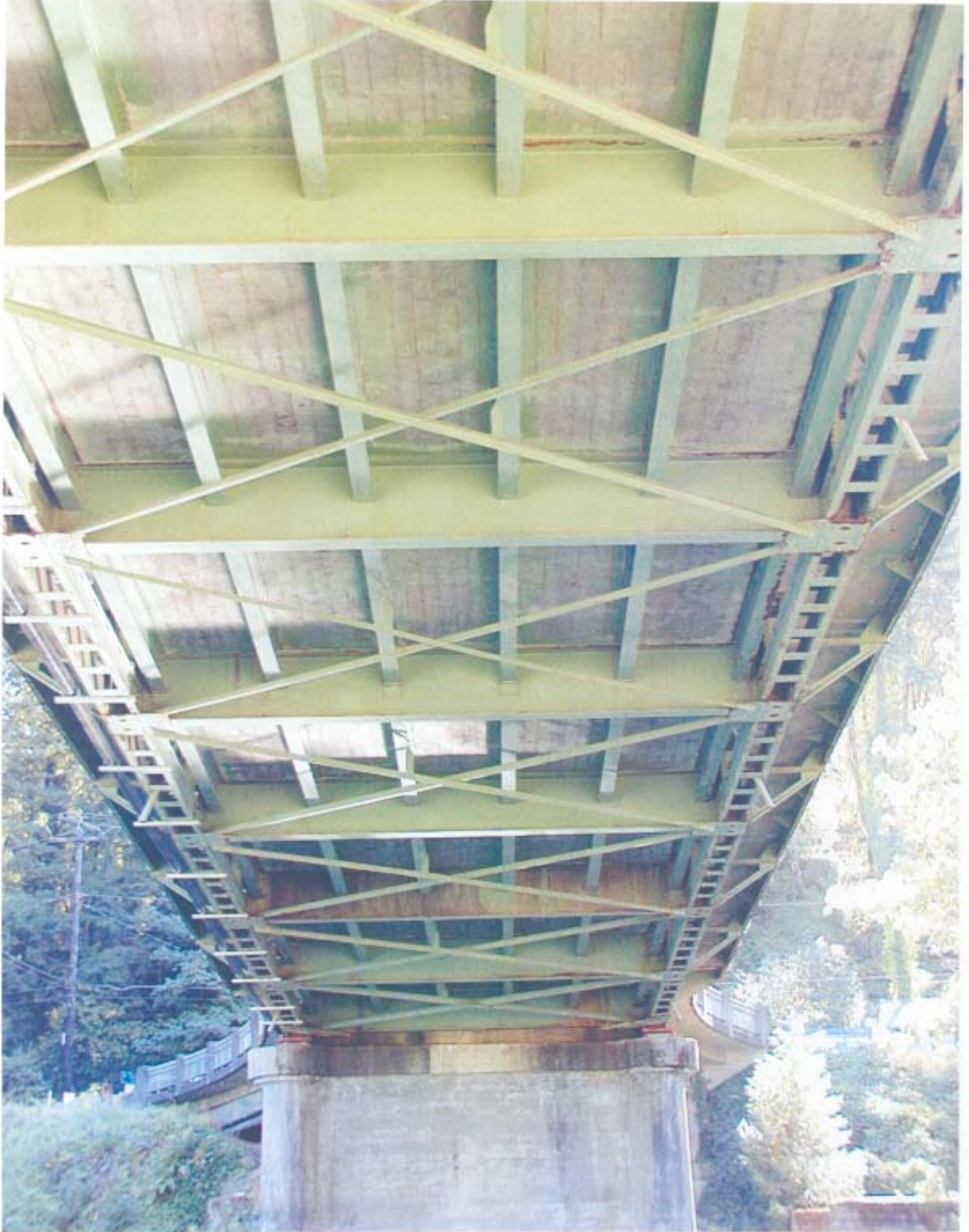
Yard
Gate



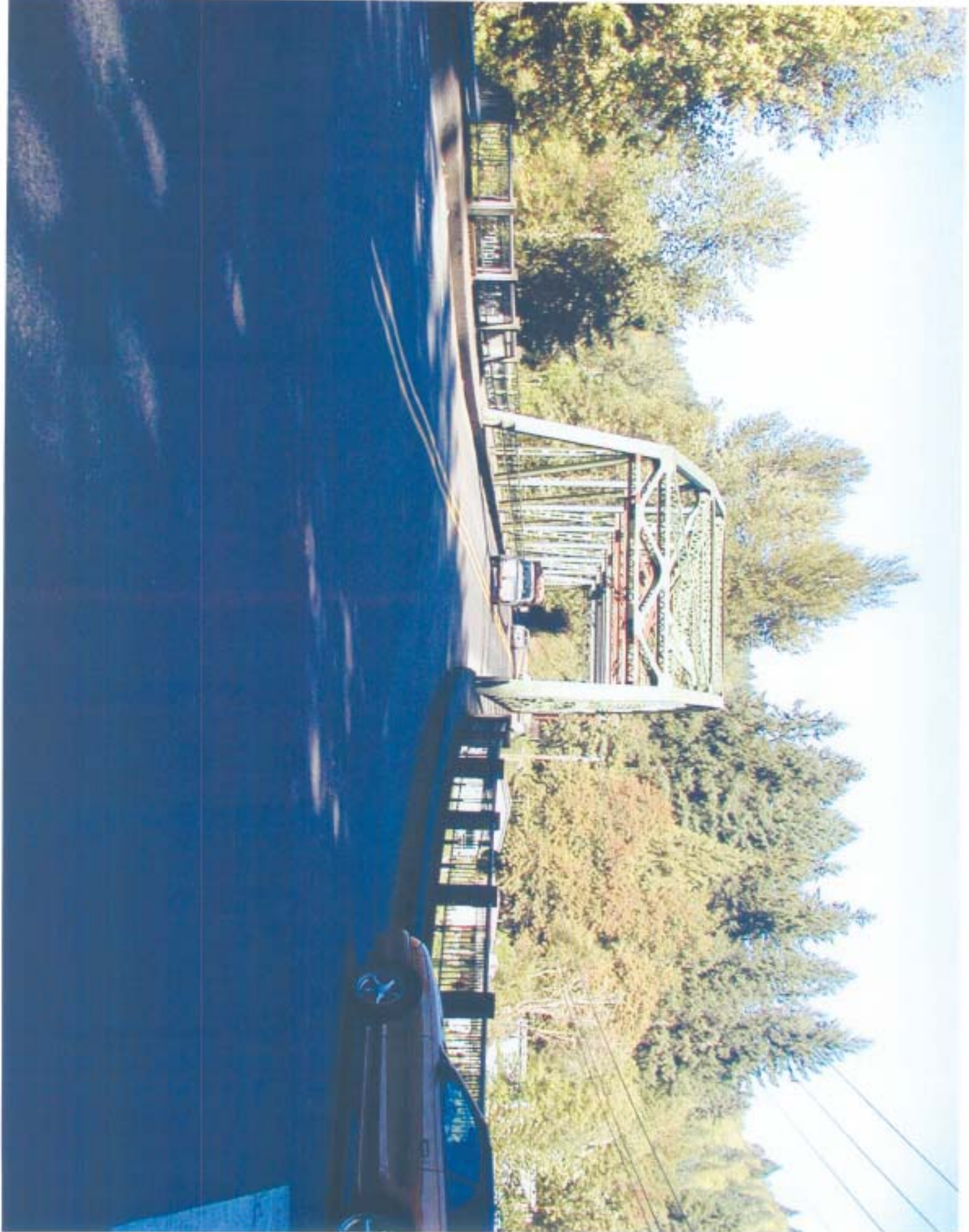




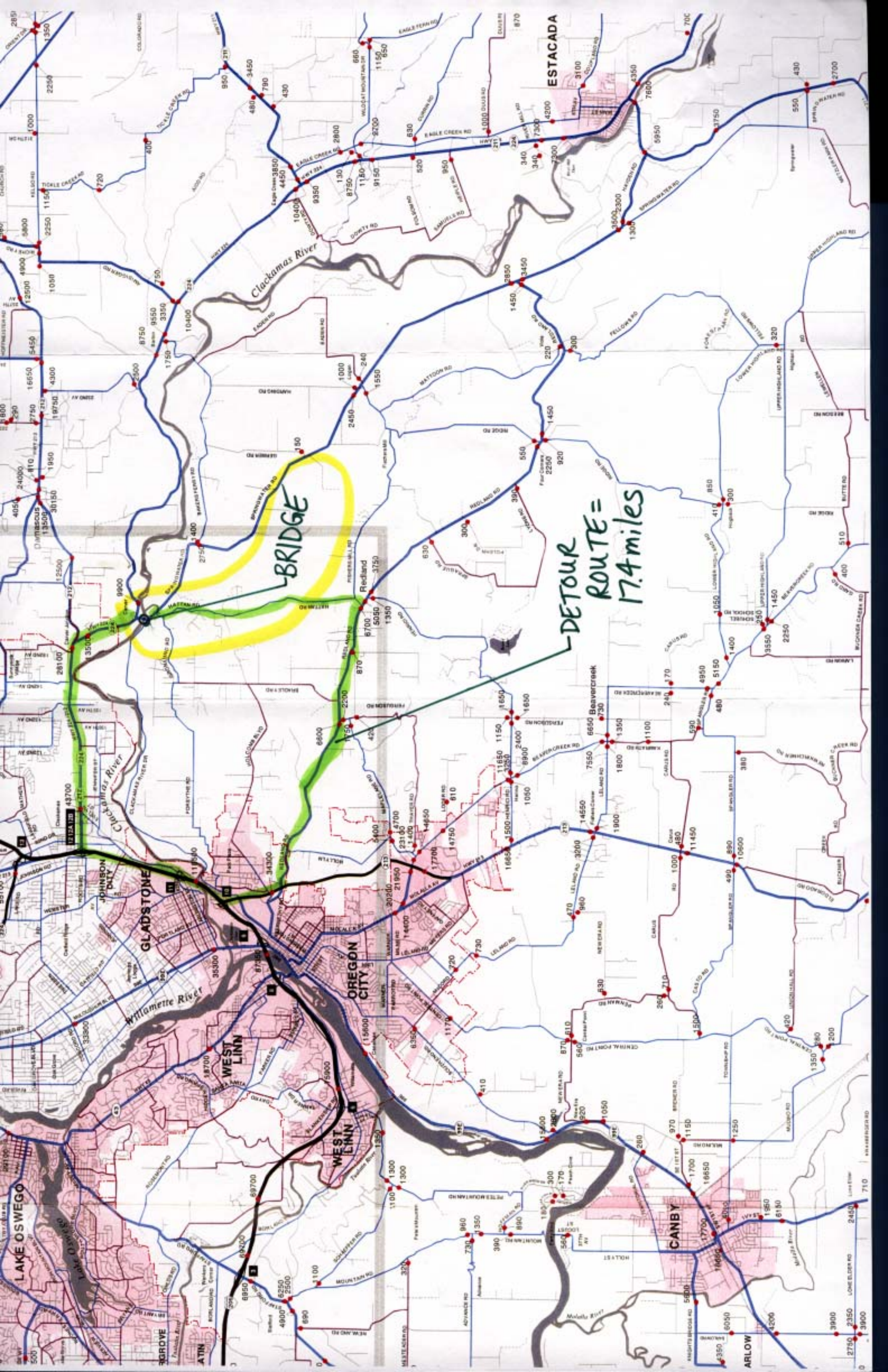












BRIDGE

DETOUR ROUTE = 17.4 miles

GLADSTONE

OREGON CITY

WEST LINN

CANBY

ARLOW

ESTACADA

LAKE OSWEGO

JOHNSON CITY

WAGNER

ATIN

WEST LINN

GLADSTONE

OREGON CITY

WEST LINN

OREGON CITY

ESTACADA

Bridge # 01446

CLACKAMAS RIVER, FAS A629

CROSSES CLACKAMAS RIVER



Clackamas County

LEGEND	
Not Weight Restricted Bridge	Restricted Bridge
Not in STIP / Application Submitted	In STIP / No Application Submitted
Other Bridges	Not in STIP / Application Submitted
Freight Route	In STIP / Application Submitted
	Not in STIP / No Application Submitted

STIP : Statewide Transportation Improvement Program

FUNCTIONAL CLASSIFICATION	
STATE HWY	OTHER JURISDICTION
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[Thick dashed line]	[Thin dashed line]
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