



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

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

Section: **Sandy River (Ten Eyck Road) Bridge #6570** Region: **1** Area: \_\_\_\_\_ District: **2C**

State Highway No.: \_\_\_\_\_ Highway Name: \_\_\_\_\_ Mile Point From: **1.50** To: **1.55** Length: (mi) **0.05** (km) \_\_\_\_\_

Urban City: \_\_\_\_\_ MPO: \_\_\_\_\_ Within UGB  Yes  No County: **Clackamas** Road/Street Name: **Ten Eyck Road**

Route No.: \_\_\_\_\_ NHS  YES  NO HPMS: \_\_\_\_\_ FC: **07** Applicant (if other than State): **Clackamas County**

US Congressional District: **3** State Senate District: **26** State Representative District: **52**

Cost Estimates ( x \$ 1,000)	Project Components	Right Of Way
Preliminary Engineering	Grading	Files (#) <b>4</b>
Right Of Way	Paving	Hectares (#) _____
Utility Reimbursement	Structures	Relocations (#) <b>0</b>
	Signing	Acquisitions (#) _____
Roadway	Signals	Easements (#) <b>4</b>
Structures	Illumination	Work By: State / Consultant / Applicant
Signals		Preliminary Engineering (S.C.A.) <b>C</b>
Illumination		Construction Engineering (S.C.A.) <b>C,A</b>
Temp. Protection		Right of Way Descriptions (S.C.A.) <b>C</b>
Const. Contingencies		Right Of Way Acquisitions (S.C.A.) <b>C</b>
Const. Engineering	<b>Project Categories</b>	
Remove Exist Bridge	Environmental Class (1, 2, 3, PCE) <b>2</b>	<b>Constructed By</b>
Other	Design Category (1-7) <b>7</b>	
Total CE and Construction:	Work Type Code (1-13) <b>5</b>	
Total Estimate:	Primary STIP Work Type: _____	<input checked="" type="checkbox"/> Contract <input type="checkbox"/> County Force
		<input type="checkbox"/> State Force <input type="checkbox"/> Other
		<input type="checkbox"/> City Force
Recommended Let Date By Federal Fiscal Year (Quarter-Year): <b>2nd-2006</b>		
PE Fund: _____	R/W Fund: _____	UR Fund: _____
PE EA: _____	R/W EA: _____	UR EA: _____
		CE-CN Fund: _____
		CE-CN EA: _____

Item	Existing	Proposed	Define The Problem:
Travel Lanes (#)	2	2	This deck truss structure is located on a poor alignment (reverse curve) and has deteriorating members. It has a sufficiency rating of 36.40. This structure is an integral piece of the regional freight corridor connecting US Highway 26 to national forest lands and the Bull Run watershed. It is also an emergency detour route for US Highway 26.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	0	
Average Daily Traffic	2110	3300	
Year of ADT	2000	2003	
Throughway Y/N			

Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_ OTC Approval Date: \_\_\_\_\_ Program Year: \_\_\_\_\_ Funding Amount: \_\_\_\_\_

X  
S-1303



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Sandy River (Ten Eyck Road) Bridge #6570

Region:  
1

Area:  
0

District:  
2C

## Project Justification

This deck truss structure is located on a poor alignment (reverse curve) and has deteriorating members. It has a sufficiency rating of 36.40. This structure is an integral piece of the regional freight corridor connecting US Highway 26 to national forest lands and the Bull Run watershed. It is also an emergency detour route for US Highway 26.

## Additional Information For Project Requested By Local Jurisdictions

Responsible Local Office To Be Contacted For The Following Activities:

- |  |                |               |
|--|----------------|---------------|
| 1. Public Hearing /<br>Citizen Involvement | _____ (Office) | _____ (Phone) |
| 2. Environmental / Planning                | _____ (Office) | _____ (Phone) |
| 3. Pre-Engineering                         | _____ (Office) | _____ (Phone) |

This Official Request is From:

City of:

\_\_\_\_\_

and/or Clackamas

County

By:

\_\_\_\_\_

By:

Stephen Maltby, 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

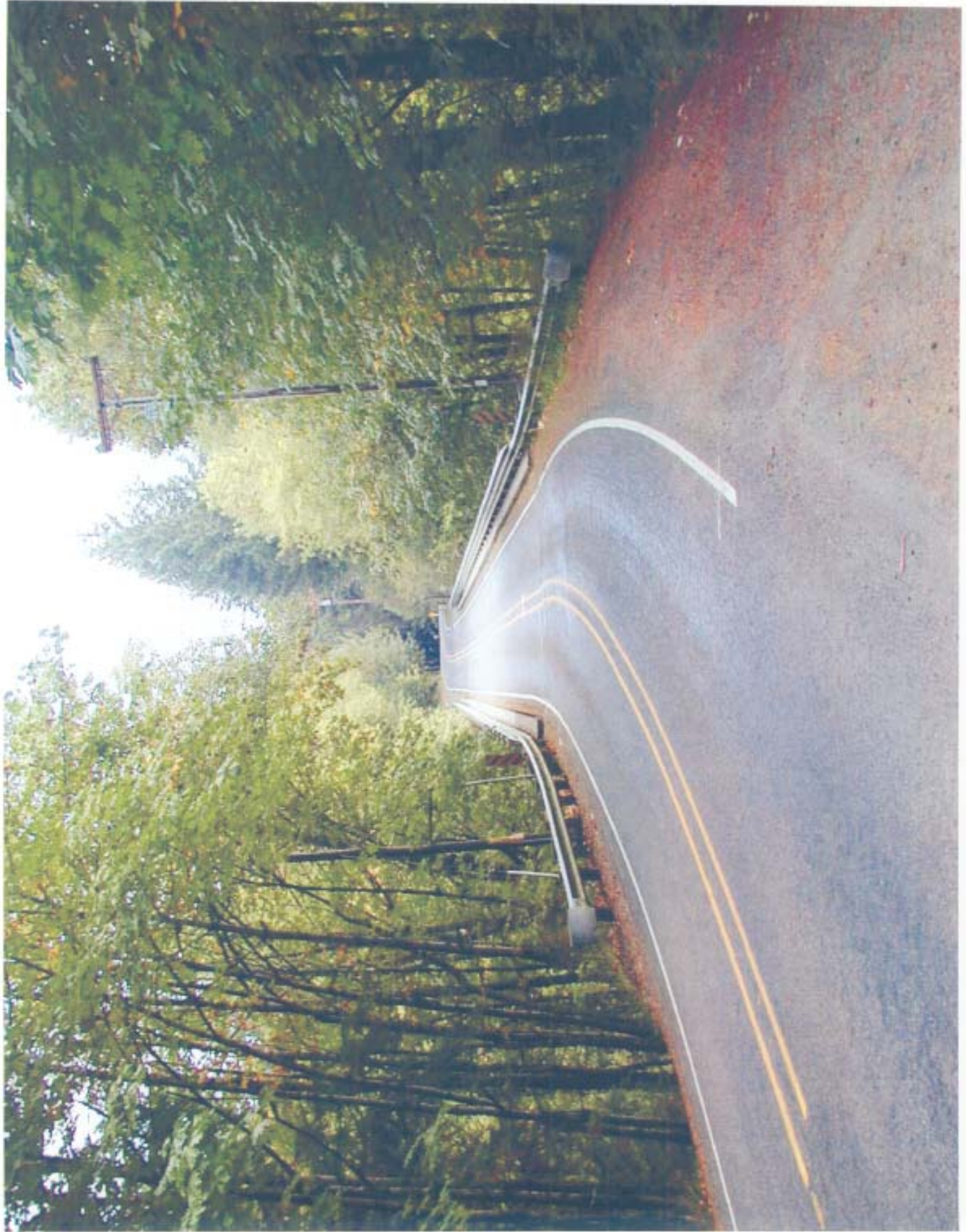
<b>Bridge Name</b>	Sandy River (Ten Eyck Road) Bridge	<b>Bridge No.</b>	6570	Note: inputs are shaded
<b>NEW BRIDGE/ROADWAY CONFIG</b>		<b>OLD BRIDGE CONFIG</b>		
LEFT SIDEWALK	6.00 ft	LENGTH	240.00 ft	
BIKE LANE/SHOULDER	6.00 ft	WIDTH	27.20 ft	
LANE 2	ft			
LANE 1	12.00 ft	AREA	6528.00 sf	
----- CL -----				
LANE 1	12.00 ft	NEW AC WIDTH	48.00 ft	
LANE 2	ft	NEW AC DEPTH	4.00 in	
BIKE LANE/SHOULDER	6.00 ft	NEW BASE DEPTH	18.00 in	
RIGHT SIDEWALK	6.00 ft	PROJ LENGTH	450.00 ft	
RAIL (EA. SIDE)	2.00 ft	NET RDWK LENGTH	200.00 ft	
NEW BRIDGE WIDTH	52.00 ft	BASE SIDE SLOPE	3	.1
NEW BRIDGE LENGTH	250.00 ft	ASPHALT DENSITY	146	pcf
NEW BRIDGE AREA	13000.00 ft <sup>2</sup>	BASE DENSITY	142.00	pcf
		NEW AC REQ'D	391.77	tons
		BASE AVG WIDTH	52.00 ft	
		NEW BASE REQ'D	984.53	tons

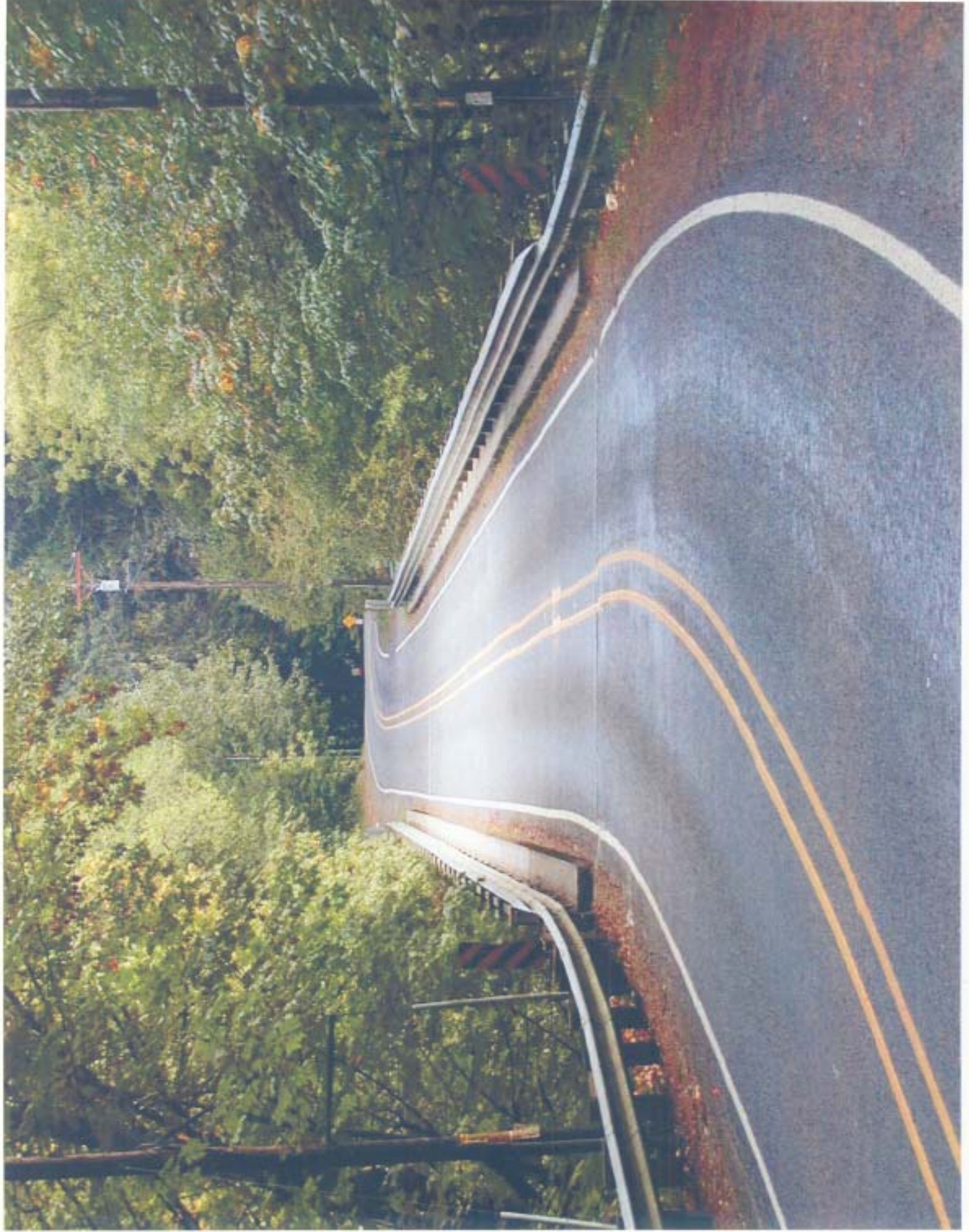
#### COST ESTIMATE

	QTY	UNIT	PRICE	COST	\$(000'S) ROUNDED
<b>RIGHT-OF-WAY</b>	1	Lump Sum	\$50,000.00	\$50,000	50
<b>ROADWAY</b>					
MOBILIZATION	1	Lump Sum	\$199,355.82	\$199,356	199
EROSION CONTROL	1	Lump Sum	\$14,996.00	\$14,996	15
DETOUR ROAD	1	Lump Sum	\$25,000.00	\$25,000	25
CLEAR & GRUB	1	Lump Sum	\$12,342.39	\$12,342	12
TEMP. SIGNS	100	ft <sup>2</sup>	\$20	\$2,000	2
TEMP. BARRICADES	8	Each	\$150	\$1,200	1
GENERAL EXCAVATION	1,000	CY	\$15	\$15,000	15
EMBANKMENT IN PLACE	1,000	CY	\$20	\$20,000	20
PAVEMENT REMOVAL	1,000	SY	\$10	\$10,000	10
AGGREGATE BASE	985	tons	\$15	\$14,768	15
ASPHALT CONCRETE	392	tons	\$35	\$13,712	14
RIPRAP	150	CY	\$60	\$9,000	9
GUARDRAIL, TYPE 2A		ft			
GUARDRAIL, TYPE 3	120	ft	\$40	\$4,800	5
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
<b>SUBTOTAL ROADWAY</b>			<b>\$405,974</b>	<b>\$405,974</b>	<b>406</b>
<b>STRUCTURES, SIGNALS &amp; ILLUMINATION</b>					
STRUCTURES	13,000	ft <sup>2</sup>	\$125	\$1,625,000	1,625
CONC. BR RAIL, TYPE F	500	ft	\$75	\$37,500	38
BRIDGE END PANELS	1,560	ft <sup>2</sup>	\$17	\$26,520	27
<b>SUBTOTAL STRUCTURES</b>			<b>\$1,689,020</b>	<b>\$1,689,020</b>	<b>1,690</b>
TEMP. PROTECTION	0.2	Lump Sum	\$218,325.39	\$43,665	44
REMOVE EXIST. BRIDGE	6,528	ft <sup>2</sup>	\$15	\$97,920	98
SIGNALS		Lump Sum			
ILLUMINATION		Lump Sum			
<b>SUBTOTAL CONSTRUCTION</b>			<b>\$2,236,579</b>	<b>\$2,236,579</b>	<b>2,237</b>
<b>CONSTRUCTION ENGINEERING</b>					
CONTINGENCIES	30 % OF	2,236,579		\$670,974	671
CE	10 % OF	2,236,579		\$223,658	224
<b>TOTAL CONSTRUCTION</b>			<b>\$3,131,211</b>	<b>\$3,131,211</b>	<b>3,131</b>
<b>PRELIMINARY ENGINEERING</b>					
CONSULTANT	15.0 % OF	2,236,579		\$335,487	
STATE	2.0 %			\$44,732	
COUNTY	2.0 %			\$44,732	
<b>TOTAL PE</b>			<b>\$424,950</b>	<b>\$424,950</b>	<b>425</b>
<b>TOTAL ESTIMATE</b>			<b>\$3,606,161</b>	<b>\$3,606,161</b>	<b>3,606</b>

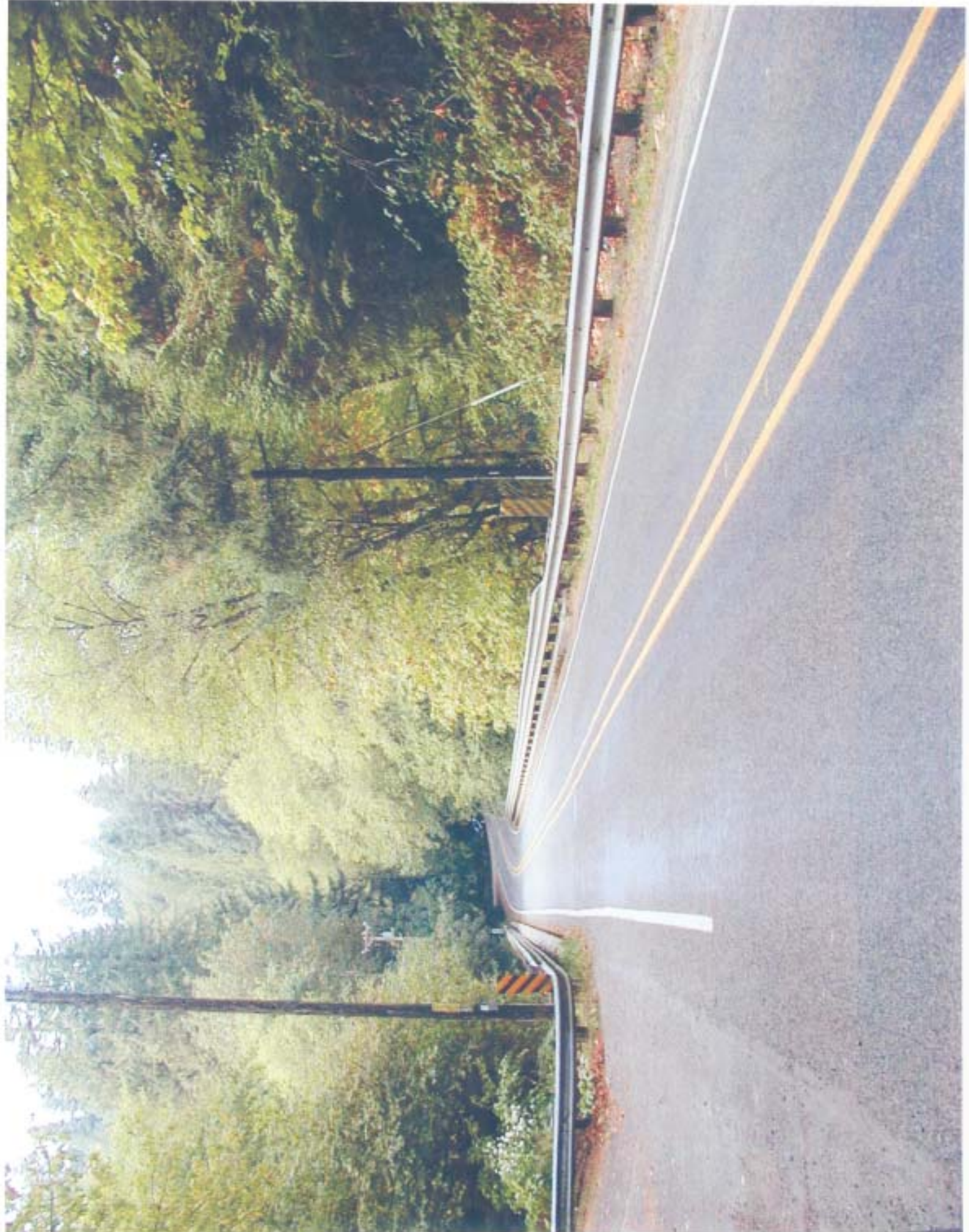
## Bridge Project Prospectus Additional Bridge Information

Applicant: Clackamas County		NBIS Bridge Number: 0					
Project Name / Section: Sandy River (Ten Eyck Road) Bridge #6570		Region: 1	Area: 0				
		District: 2C					
<p style="text-align: center;"><b>Funding</b></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;"><b>Heavy Vehicle Usage</b></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="300"/></td> <td><input style="width: 50px;" type="text" value="300"/></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="300"/>	<input style="width: 50px;" type="text" value="300"/>	<p style="text-align: center;"><b>Detour</b></p> <p>Detour Route:</p> <p>Length: <input style="width: 50px;" type="text" value="12.2 mi"/></p> <p>Map: (Please attach map)</p>	
Existing	Proposed						
Truck AADT: <input style="width: 50px;" type="text" value="300"/>	<input style="width: 50px;" type="text" value="300"/>						
<p><b>Regional Freight Corridor Analysis:</b></p> <p>This bridge serves as an integral piece of the regional freight corridor connecting US Highway 26 to national forest lands and the Bull Run watershed.</p>							
<p><b>Special Consideration:</b></p> <p>This bridge is on a route that serves as an emergency detour route for US Highway 26.</p>							

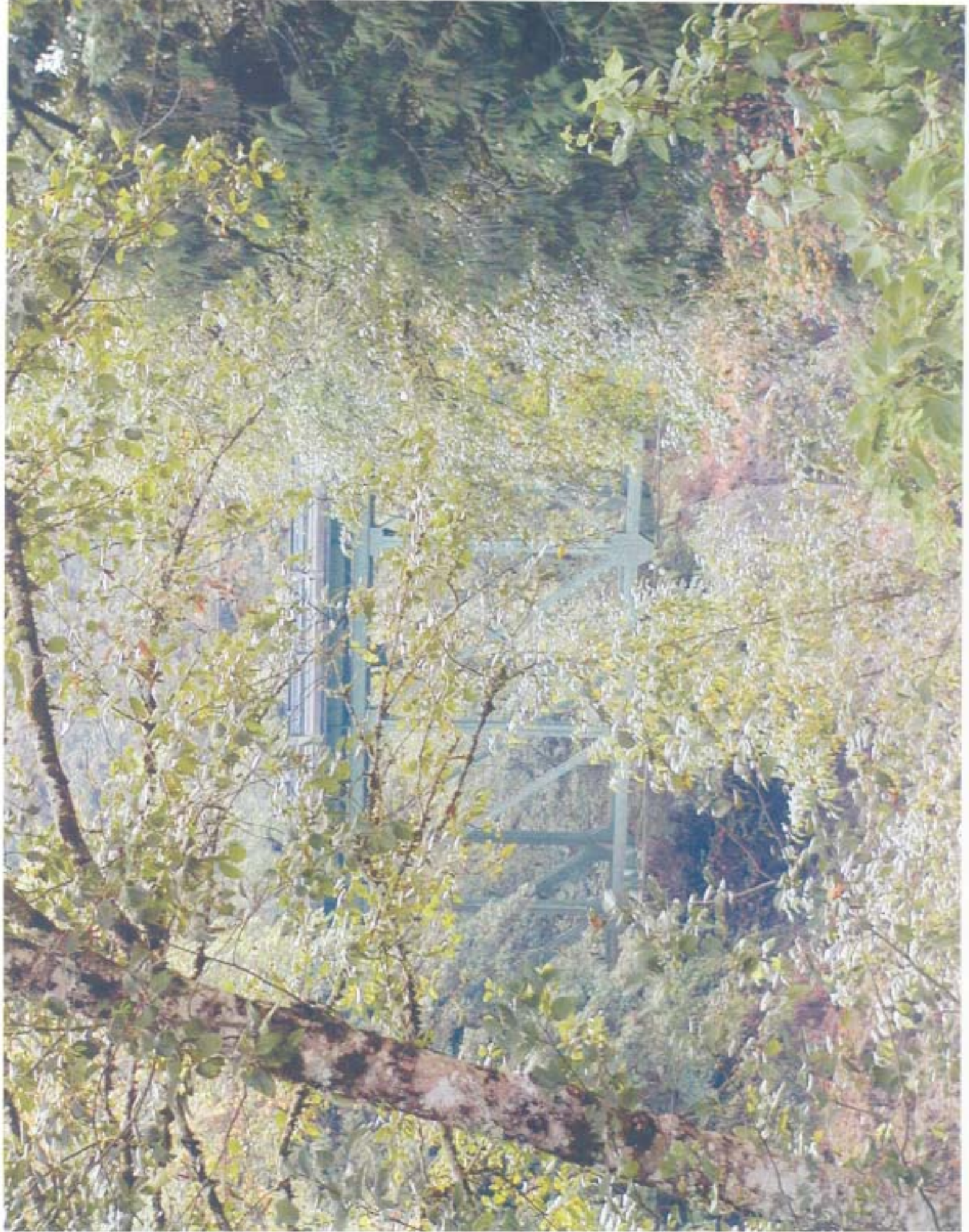


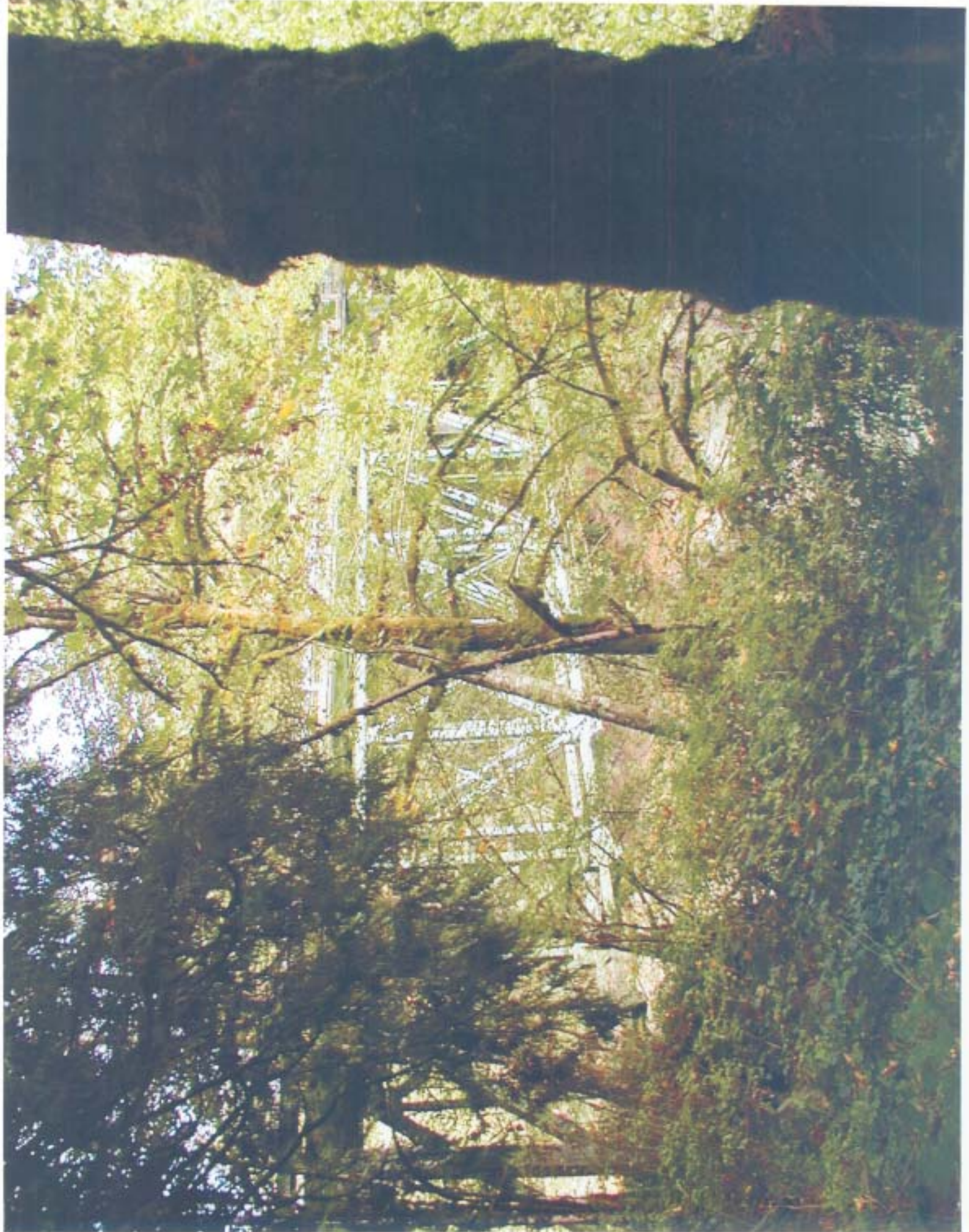






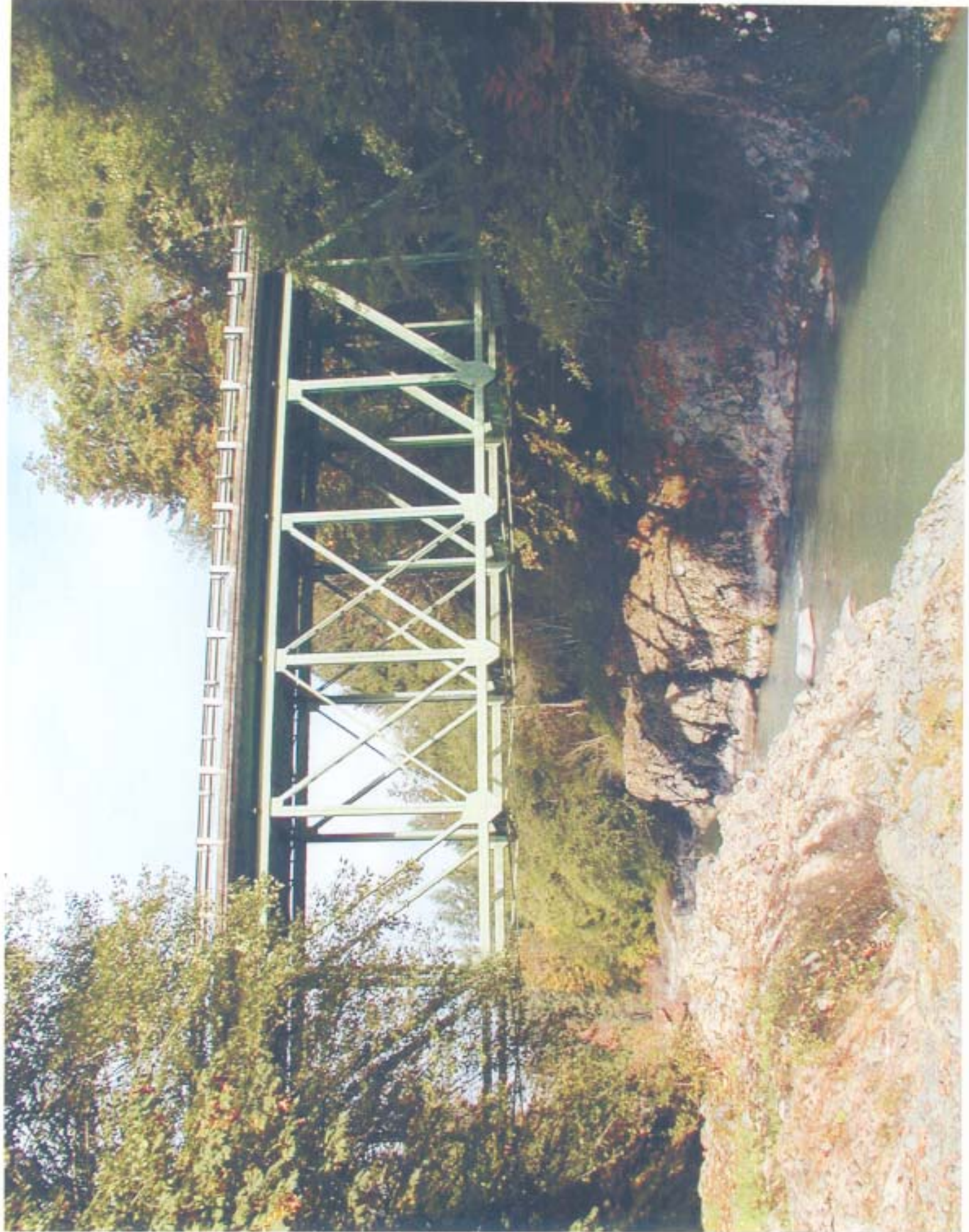






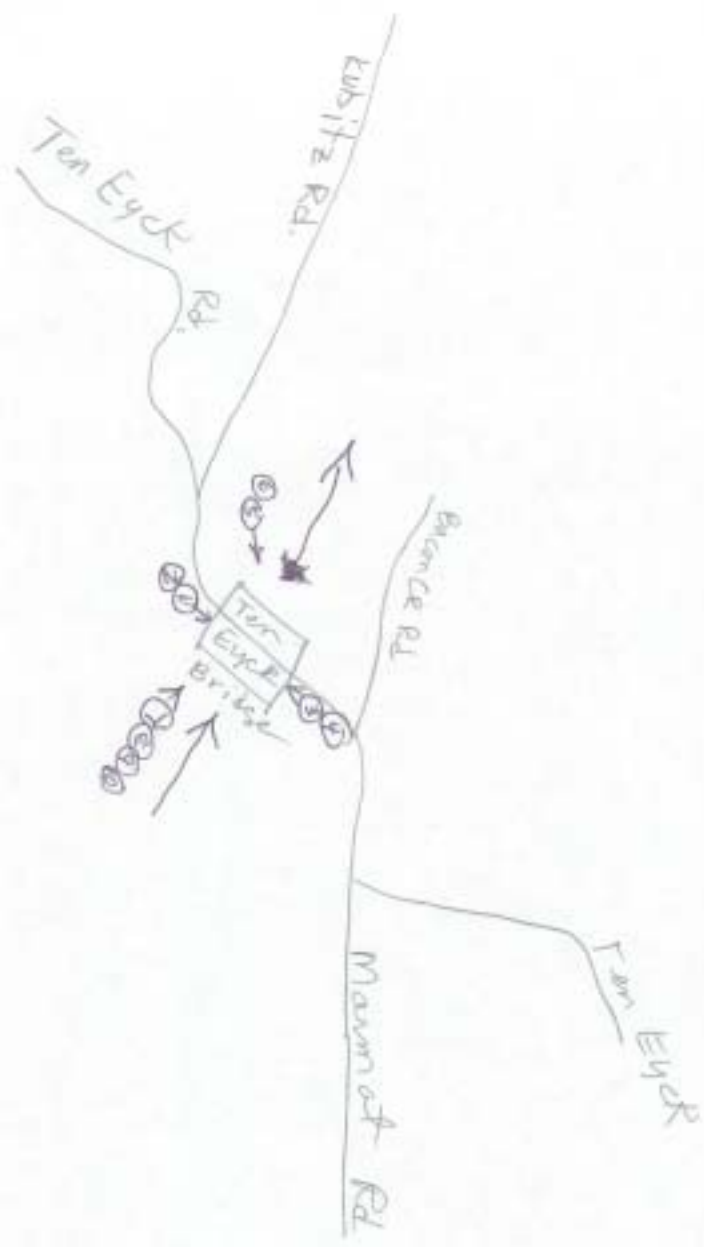






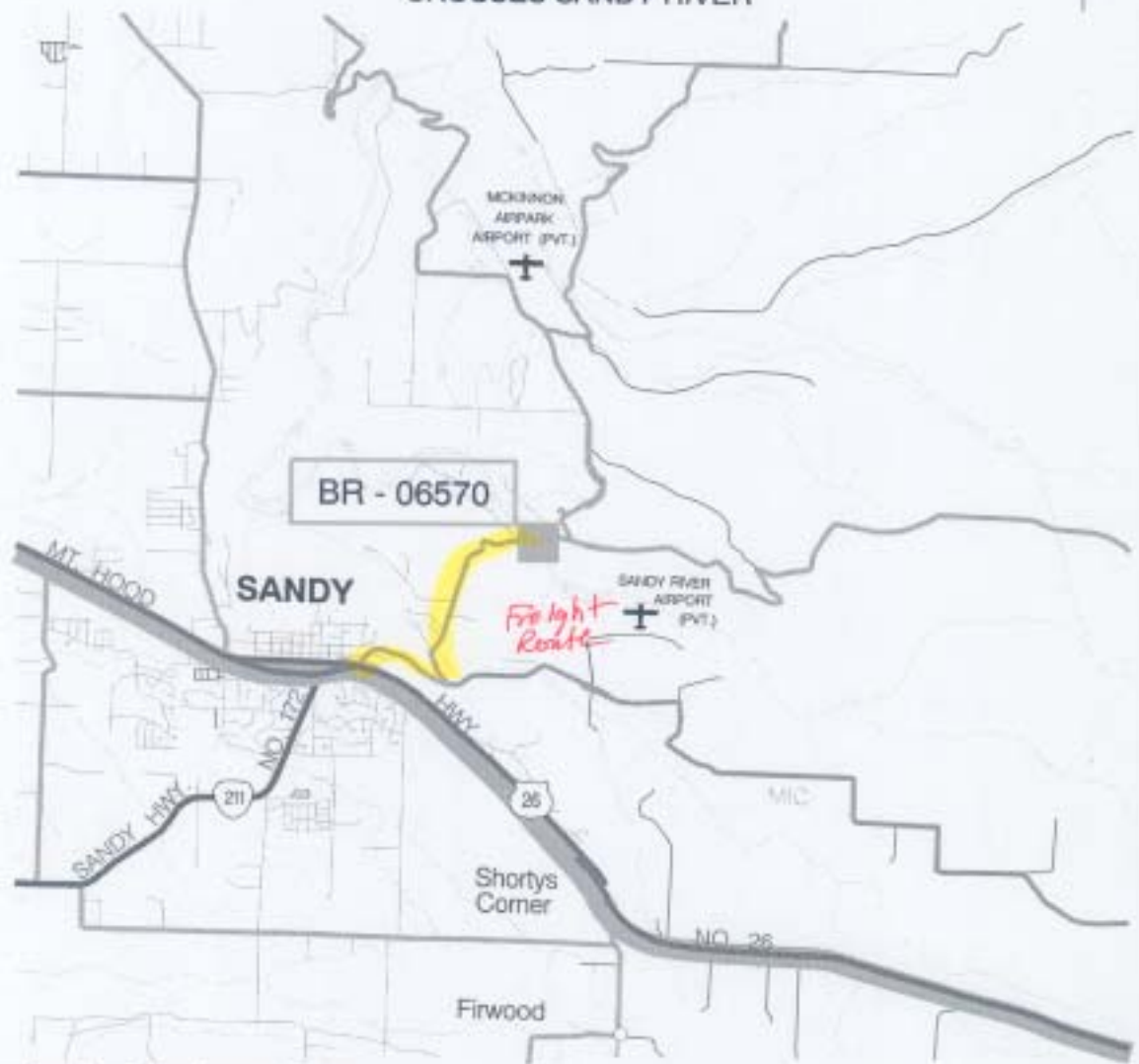






# Bridge # 06570

SANDY RIVER, TEN EYCK RD.  
CROSSES SANDY RIVER



Sandy 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
<b>Freight Route</b>	In STIP / Application Submitted
	Not in STIP / No Application Submitted

FUNCTIONAL CLASSIFICATION	
STATE HWY	CITY JURISDICTION
Thick solid line	Thin solid line
Thick dashed line	Thin dashed line
Thick solid line with double border	Thin solid line with double border
Thick solid line with dashed border	Thin solid line with dashed border
Thick solid line with dashed border	Thin solid line with dashed border
Thick solid line with dashed border	Thin solid line with dashed border
Thick solid line with dashed border	Thin solid line with dashed border
Thick solid line with dashed border	Thin solid line with dashed border
Thick solid line with dashed border	Thin solid line with dashed border

STIP : Statewide Transportation Improvement Program

A product of CDOT Bridge Unit and GIS Unit. Printed October 26, 2006.