



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: N, Yamhill River (Old RR Grade) Br #11526		Key Number:	Jurisdiction:
State Highway No.:	Highway Name:	Region: 2	Area: 3
Mile Point From: To:		District: 3	
Length: (mi) (km) 0.00			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	City:	MPO: Within UGB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
County: Yamhill	Road/Street Name: Old RR Grade Road		
Route No.:	NHS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HPMS:	FC:
Applicant (if other than State): Yamhill County			
US Congressional District:		State Senate District:	
State Representative District:			
Cost Estimates (x \$ 1,000)		Project Components	
Right Of Way			
Preliminary Engineering	\$175	Grading	X
Right Of Way	\$20	Paving	X
Utility Reimbursement		Structures	X
		Signaling	
Roadway	\$79	Signals	
Structures	\$561	Illumination	
Signals	\$0		
Illumination	\$0		
Temp. Protection	\$46		
Const. Contingencies	\$349		
Const. Engineering	\$131		
Remove Exist Bridge	\$19		
Other	\$168		
Total CE and Construction:	\$1,353		
Total Estimate:	\$ 1,547		
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 (#)	1	2	The Old RR Grade Bridge is an all timber bridge founded on timber piling and spread footings. The bridge is structurally deficient with a 10-ton load posting. A recent load rating (included in this application) establishes a 13 ton inventory rating. The report also recommend leaving the existing 10 ton load limit posting until all repairs (stringers and decking need to attached securely and braced. Running boards need to be added to the deck to help distribute the wheel loads.) are completed and the bridge is re-inspected. Scour has been a problem at bents 4 & 5. Scour repair to bent 3 in 2003. Drift is also a problem.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	0	
Average Daily Traffic			
Year of ADT			
Throughway Y/N	N	N	
Describe Proposed Solution: - Attach Sketch Map			
Construct a 2-span Deck Bulb-T structure on the same alignment with a single lane, temporary detour structure located on the downstream side.			
Prepared By: X William A. Hill		Date: 10/15/2003	OTC Approval Date:
		Program Year:	Funding Amount:



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: N. Yamhill River (Old RR Grade) Br #11526

Region:
2

Area:
3

District:
3

Project Justification

Option (1) is to replace the structure with a 2 or 3 span structure (concrete or steel are viable options). With replacement, improvements should be made to horizontal alignment at the north approach moving the approach upstream. This may result in the bridge being on a curve.

Option (2) would be to rehabilitate the structure if replacement funding does not come through. This would entail strengthening the bridge at the end bents, reconstructing the approaches, adding approach guardrail, a bridge rail retrofit and deck overlay if possible.

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 YAMHILL _____ County

By: _____ By: BILL GILLE, PUBLIC WORKS DIRECTOR

By: _____ By: _____

By: _____

Applicable Intergovernmental Agreements:

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

Administrative Recommendation

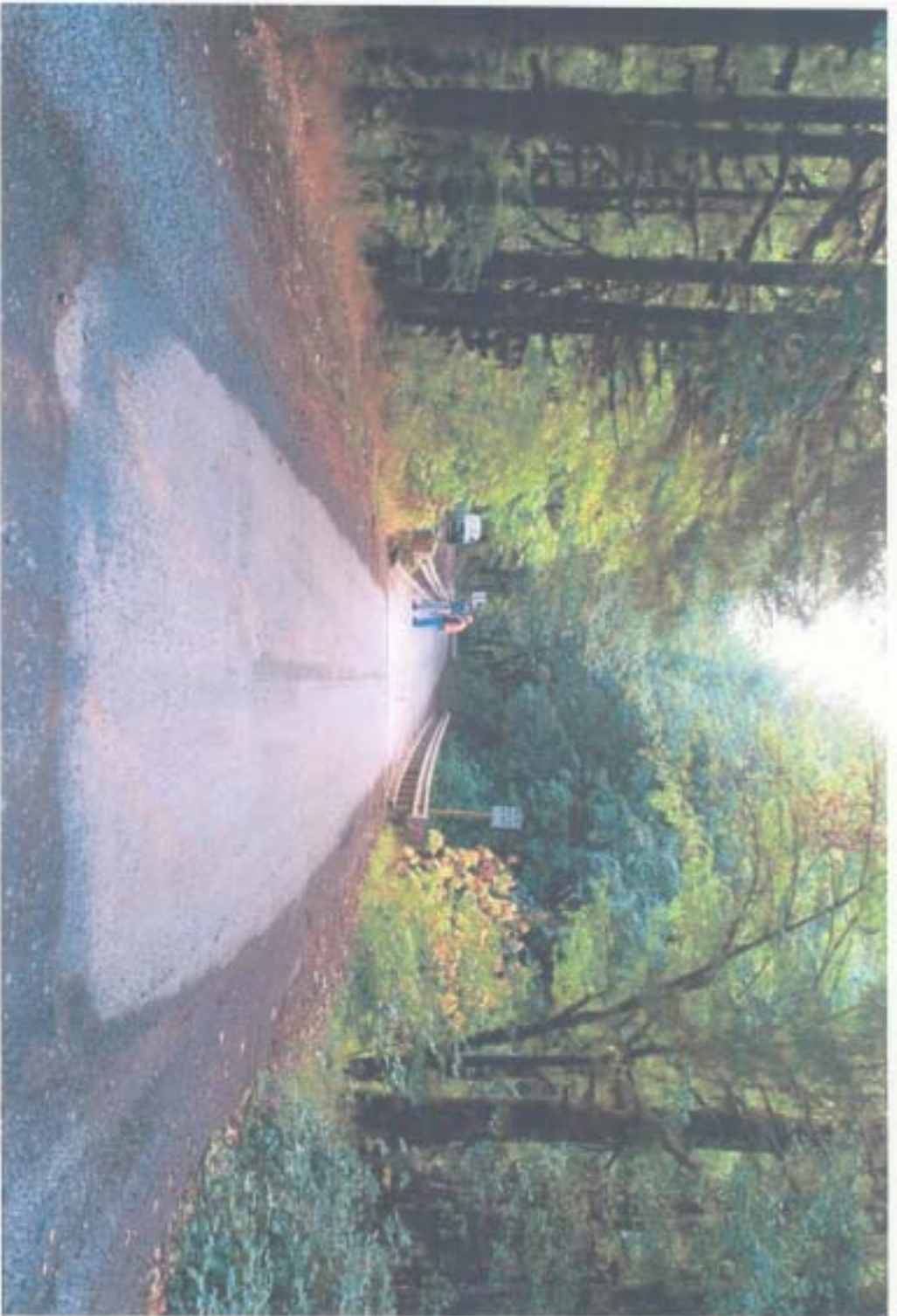
Bridge Prospectus Cost Estimate

Applicant:		NBIS			
Project / Section		Yamhill County N. Yamhill River (Old RR Grade) Br #11526		Bridge No. 11526 Region: 2	
				Area: 3	District: 3
<u>New Bridge / Roadway Configuration:</u>			<u>Existing Bridge:</u>		
Left Side Rail	1.5 feet	Bridge Length	160 feet		
Left Sidewalk	feet	Bridge Width	16.5 feet		
Shoulder	4 feet	Area	2640 square ft.		
Lane 2	feet				
Lane 1	11 feet	New AC Top Width	33 feet		
—CL—	0 feet	New AC Depth	4 inches		
Lane 1	11 feet	New Base Depth	18 inches		
Lane 2	0 feet	Project Length	470 feet		
Shoulder	4 feet	Net Road Work Length	300 feet		
Right Sidewalk	0 feet	X-Sect Side Slope	3 : 1		
Right Side Rail	1.5 feet	AC Avg Width	34 feet		
		Base Avg Width	39.5 feet		
Bridge Length	170 feet	Asphalt Density	150 pounds/ cu ft		
Bridge Width	33 feet	Base Density	120 pounds/ cu ft		
New Area	5610 square ft.	New AC Received	255 tons		
		New Base Required	1067 tons		
COST ESTIMATE:					
	Quantity	Unit	Price per unit	Cost (\$x1000s)	
Right-of-Way		1 Acre	\$ 20,000	\$20	
==Roadway==					
Clear & Grub	\$ 13,171	lump sum		\$13	
General Excavation	-	cubic yards	\$ 12.00	\$0	
Embankment in Place	750	cubic yards	\$ 12.00	\$9	
Pavement Removal	-	square feet	\$ 0.45	\$0	
Aggregate Base	1,067	tons	\$ 16.00	\$17	
Asphalt Concrete	255	tons	\$ 56.00	\$14	
Riprap	187	cubic yards	\$ 50.00	\$9	
Guardrail, Type 2A	100	feet	\$ 11.50	\$1	
Guardrail, Type 3	50	feet	\$ 38.00	\$2	
Guardrail Trans	4	each	\$ 1,600.00	\$6	
Flared Terminals	4	each	\$ 1,600.00	\$6	
Subtotal Roadway				\$79	
Structures	5,610	square feet	\$ 100.00 (staged)	\$561	
Signals	\$ -	lump sum		\$0	
Illumination	\$ -	lump sum		\$0	
Temporary Protection	\$ 46,300	lump sum		\$46	
Remove Existing Bridge	2,640	square feet	\$ 7.25	\$19	
Mobilization	\$ 79,800	lump sum		\$80	
Erosion Ctrl / Restortation	\$ 12,900	lump sum		\$13	
Construct/Remove Detour	3000	square feet	\$ 25.00	\$75	
Subtotal Structures				\$794	
Subtotal Construction				\$873	
==Engineering==					
Construction Engineering	15	percent of construction		\$131	
Contingency	40	percent of construction		\$349	
Subtotal Const. Eng.				\$480	
Preliminary Engineering					
Consultant	18	percent of construction		\$157	
State		percent of construction		\$0	
County	2	percent of construction		\$17	
Subtotal PE				\$175	
Total Estimate				\$1,547	

















Bridge Project Prospectus Additional Bridge Information

Applicant: Yamhill County		NBIS Bridge Number: 11526		
Project Name / Section: N. Yamhill River (Old RR Grade) Br #11526		Region: 2	Area: 3	District: 3
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 Existing Proposed Truck AADT: <input type="text" value="12"/> <input type="text" value="100"/> Fire Truck Usage: <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> NO. Less than 25% of trips	Detour Detour Route: Length: <input type="text" value="12.8"/> Map: (Please attach map)	

Regional Freight Corridor Analysis:

A map is attached showing the area served by Bridge #11526. An estimated 30,000 acres of primarily forestry uses are accessed by this bridge. Alternative routes are available, however they involve significant out of direction travel as well as adverse grades on narrow roads. One of the alternate routes, Oak Ridge Road uses Bridge #11538 (crosses N. Yamhill River) which is load restricted. This restriction serves to further limit options to access this area. The remaining routes all involve long distances and steep grades.

Special Consideration:

Bridge #11526 is a one lane timber structure. Although currently posted for 10 tons max load the structure continues to experience load related damage suggesting significant violation of the load limit. This route is one of several accesses used by the Fly M Ranch. The commercial and customer based traffic mixed with the log truck traffic over a one lane timber structure has caused conflict, however, fortunately, no serious accidents to date. The existing structure has recently been load rated (see attached load rating) with a recommended HS 13 inventory rating. The load rating report further states that "... On site inspection has revealed stringers and decking are not adequately attached and braced. Running boards need to added to distribute wheel loads. Necessary repairs are to be made prior to use of this load Rating. Recommend leaving current posting of 10 tons until all repairs are made and re-inspected."



Yamhill County
Public Works Department
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William A. Gille, P.E.
Director

Dan E. Linscheid, P.L.S.
Assistant Director

Susan Mundy
Road Master

TRAFFIC COUNT INFORMATION
REPORT FOR BRIDGE # 11526

OLD RAILROAD GRADE
COUNTY ROAD # 290
(48-HR TRAFFIC COUNT)

DATA RECORDER LOCATION : AS SPECIFIED

PREPARED FOR : SUSAN MUNDY
ROAD MASTER

PREPARED BY : EDGAR B. PETEROS
Road Master Technical Assistant

WEST BOUND SUMMARY REPORT

Counter No. 4

Location: East End of Bridge

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Cor # : #4

Site: BRIDGE 11526

Direction: W BD

Data for Monday 9/15/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	10:30	PM	Peak Hour	04:30
		Volume	2		Volume	10
		Factor	0.25		Factor	0.50

Speed Statistics

MPH	1- 14- 15- 19- 20- 24- 25- 29- 30- 34- 35- 39- 40- 44- 45- 49- 50- 54- 55- 59- 60- 64- 65- 69- 70- 999													
Bin Totals	4	6	8	8	11	2	0	1	0	0	0	0	0	0
% of Totals	10.0	15.0	20.0	20.0	27.5	5.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0

Avg. Speed 24.92 MPH

%ile Speeds	10%		15%		50%		85%		90%	
	15.8 MPH	16.7 MPH	26.3 MPH	33.6 MPH	34.5 MPH					

Pace

Speed	25-35 MPH
Number in pace	19
% in pace	47.5

Speed Exceeded	45(MPH)		55(MPH)		65(MPH)	
Percentage	2.5	0.0	0.0	0.0		
Totals	1	0	0	0		

Class Statistics

	Cars & 2 Axle		2 Axle 3 Axle		4 Axle		5 Axle		6 Axle		7 Axle		8 Axle	
	Bikes	Tris	Long	Bus	6 Tire	Single	Single	Double	Double	Multi	Multi	Multi	Multi	Multi
Bin Totals	0	24	9	1	4	0	0	1	0	1	0	0	0	0
% of Totals	0.0	60.0	22.5	2.5	10.0	0.0	0.0	2.5	0.0	2.5	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5- 9- 10- 14- 15- 19- 20- 24- 25- 29- 30- 34- 35- 39- 40- 44- 45- 49- 50- 54- 55- 59- 60- 64- 55- 999													
Bin Totals	0	0	0	0	0	0	1	0	0	0	1	0	0	36
% of Totals	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	2.6	0.0	0.0	94.7

Error Statistics

Sensor	A		B	
Total Hits	158	155		
Percent Used	96.0	98.0		
Avg Axles Per Vehicle	2.16			
Avg Two Axle Wheelbase	10.1 ft.			

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Counter # : #4

Site: BRIDGE 11526

Direction: W BD

Data for Tuesday 9/16/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	11:00	PM	Peak Hour	06:15
44		Volume	3		Volume	12
		Factor	0.75		Factor	0.60

Speed Statistics

MPH	1-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-999
Bin Totals	3	3	9	14	11	4	1	0	0	0	0	0	0
% of Totals	6.7	6.7	20.0	31.1	24.4	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0

Avg. Speed 26.47 MPH

%ile Speeds	10%	15%	50%	85%	90%
	18.3 MPH	20.6 MPH	27.9 MPH	34.5 MPH	36.3 MPH

Pace

Speed	25-35 MPH
Number in pace	25
% in pace	55.6

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	0.0	0.0	0.0
Totals	0	0	0

Class Statistics

	Curs & 2 Axle		2 Axle		3 Axle	4 Axle	<5 Axl	5 Axle	>6 Axl	<6 Axl	6 Axle	>6 Axl
	Bikes	Tires	Long	Base	6 Tire	Single	Single	Double	Double	Multi	Multi	Multi
Bin Totals	1	27	11	1	5	0	0	0	0	0	0	0
% of Totals	2.2	60.0	24.4	2.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5-	9-10	14-15	19-20	24-25	29-30	34-35	39-40	44-45	49-50	54-55	59-60	64-65	999
Bin Totals	1	0	0	0	0	0	1	0	0	0	0	0	0	40
% of Totals	2.4	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	95.2

Error Statistics

Sensor	A	B
Total Hits	187	195
Percent Used	99.0	95.0
Avg Axles Per Vehicle	2.00	
Avg Two Axle Wheelbase	9.7 ft.	

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Cor # : #4

Site: BRIDGE 11526

Direction: W BD

Data for Wednesday 9/17/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	06:30	PM	Peak Hour	*
12		Volume	3		Volume	*
		Factor	0.75		Factor	*

Speed Statistics

MPH	1-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-999
Bin Totals	0	2	1	4	2	3	0	0	0	0	0	0	0
% of Totals	0.0	16.7	8.3	33.3	16.7	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Avg. Speed 28.25 MPH

%ile Speeds	10%	15%	50%	85%	90%
	20.0 MPH	20.0 MPH	28.8 MPH	38.3 MPH	38.3 MPH

Pace

Speed	25-35 MPH
Number in pace	6
% in pace	50.0

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	0.0	0.0	0.0
Totals	0	0	0

Class Statistics

Bin Totals	Cars & 2 Axle		2 Axle 3 Axle		4 Axle		<5 Axle		5 Axle		>6 Axle		>6 Axle	
	Bikes	Truck	Long	Buses	6 Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Multi
Bin Totals	0	7	2	1	2	0	0	0	0	0	0	0	0	0
% of Totals	0.0	38.3	16.7	8.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-999
Bin Totals	0	1	0	0	0	0	0	0	0	0	0	0	11
% of Totals	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.7

Error Statistics

Sensor	A	B
Total Hits	71	71
Percent Used	100.0	100.0
Avg Axles Per Vehicle	2.03	
Avg Two Axle Wheelbase	10.5 ft.	

EAST BOUND SUMMARY REPORT

Counter No. 4

Location: East End of Bridge

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Cor # : #4

Site: BRIDGE 11526

Direction: E BD

Data for Monday 9/15/2003

Vehicle Count Statistics

Daily Total 30	AM	Peak Hour	11:00	PM	Peak Hour	02:30
		Volume	1		Volume	6
		Factor	0.25		Factor	0.50

Speed Statistics

MPH	1-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-999
Bin Totals	3	7	4	4	4	4	2	2	0	0	0	0	0
% of Totals	10.0	23.3	13.3	13.3	13.3	13.3	6.7	6.7	0.0	0.0	0.0	0.0	0.0

Avg. Speed 26.37 MPH

%ile Speeds	10%	15%	50%	85%	90%
	15.7 MPH	16.4 MPH	26.3 MPH	40.0 MPH	42.5 MPH

Pace

Speed	15-25 MPH
Number in pace	11
% in pace	36.7

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	6.7	0.0	0.0
Totals	2	0	0

Class Statistics

	Cars & 2 Axle		2 Axle		3 Axle		4 Axle		<5 Axle		3 Axle		>6 Axle		<6 Axle		6 Axle		>6 Axle	
	Bikes	Tire	Long	Buses	6 Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Multi	Multi	Multi	Multi	Multi	Multi	Multi
Bin Totals	0	14	10	1	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% of Totals	0.0	46.7	33.3	3.3	13.3	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-999
Bin Totals	0	0	0	1	0	0	0	0	0	0	0	0	25
% of Totals	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.2

Error Statistics

Sensor	A	B
Total Hits	158	155
Percent Used	96.0	98.0
Avg Axles Per Vehicle	2.16	
Avg Two Axle Wheelbase	10.1 ft.	

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Cor #: #4

Site: BRIDGE 11526

Direction: E BD

Data for Tuesday 9/16/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	07:00	PM	Peak Hour	06:30
		Volume	6		Volume	5
		Factor	0.75		Factor	0.63

Speed Statistics

MPH	1-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-999
Bin Totals	3	2	7	8	16	5	5	2	0	0	0	0	0
% of Totals	6.3	4.2	14.6	16.7	33.3	10.4	10.4	4.2	0.0	0.0	0.0	0.0	0.0

Avg. Speed 29.73 MPH

%ile Speeds	10%	15%	50%	85%	90%
	20.0 MPH	22.1 MPH	31.3 MPH	40.0 MPH	43.0 MPH

Pace

Speed	25-35 MPH
Number in pace	24
% in pace	50.0

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	4.2	0.0	0.0
Totals	2	0	0

Class Statistics

	Cars & Bikes	2 Axle	3 Axle	4 Axle	<5 Axle	5 Axle	>6 Axle	<6 Axle	6 Axle	>6 Axle
	Tire	Long	Buses	6 Tire	Single	Double	Double	Multi	Multi	Multi
Bin Totals	1	28	14	1	4	0	0	0	0	0
% of Totals	2.1	58.3	29.2	2.1	8.3	0.0	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5-	9	10-	14	15-	19	20-	24	25-	29	30-	34	35-	39	40-	44	45-	49	50-	54	55-	59	60-	64	65-	999
Bin Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
% of Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Error Statistics

Sensor	A	B
Total Hits	187	195
Percent Used	99.0	95.0
Avg Axles Per Vehicle	2.00	
Avg Two Axle Wheelbase	9.7 ft.	

YAMHILL COUNTY PUBLIC WORKS

ROAD DEPARTMENT TRAFFIC STUDY REPORT

Road name : OLD RR GRADE
 Location : EAST END OF BRIDGE
 Cor # : #4

Site: BRIDGE 11526

Direction: E BD

Data for Wednesday 9/17/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	09:00	PM	Peak Hour	*
		Volume	7		Volume	*
		Factor	0.58		Factor	*

Speed Statistics

MPH	1-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-999
Bin Totals	0	1	1	9	6	4	0	1	0	0	0	0	0
% of Totals	0.0	4.5	4.5	40.9	27.3	18.2	0.0	4.5	0.0	0.0	0.0	0.0	0.0

Avg. Speed 30.41 MPH

%ile Speeds	10%	15%	50%	85%	90%
	25.6 MPH	26.1 MPH	30.8 MPH	37.5 MPH	38.8 MPH

Pace

Speed	25-35 MPH
Number in pace	15
% in pace	68.2

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	4.5	0.0	0.0
Totals	1	0	0

Class Statistics

	Cars & 2 Axle		2 Axle 3 Axle		4 Axle		<5 Axle		5 Axle		>6 Axle		>6 Axle	
	Bikes	Tire	Long	Buses	6 Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Multi
Bin Totals	0	12	6	1	3	0	0	0	0	0	0	0	0	0
% of Totals	0.0	34.5	27.3	4.5	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Gap Statistics

[Secs]	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	55-999
Bin Totals	0	0	0	0	0	0	0	0	0	0	0	0	21
% of Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Error Statistics

Sensor	A	B
Total Hits	71	71
Percent Used	100.0	100.0
Avg Axles Per Vehicle	2.03	
Avg Two Axle Wheelbase	10.5 ft.	

Date:	Daily TOTALS		# of Trucks	
	W. Bd.	E. Bd.	W. Bd.	E. Bd.
9/15/03	39	30	6	4
9/16/03	44	48	5	4
9/17/03	12	22	2	3
TOTALS	95	100	13	11

ADT Calcs:

$$\frac{48 \text{ hr W. Bd.} + 48 \text{ hr E. Bd.}}{2} = \frac{95 + 100}{2} = 97.5 \text{ veh/day}$$

of Trucks Calc:

$$\frac{48 \text{ hr W. Bd. Trucks} + 48 \text{ hr E. Bd. Trucks}}{2} = \frac{13 + 11}{2} = 12 \text{ Trucks/day}$$

$$\frac{12}{97.5} = 12.37\% \text{ Trucks}$$

Note: At the time of this traffic count bridge was posted for 10 ton load limit.

Yamhill County Scale Map

Detour for Bridge # 11526



Freight Corridor Analysis Map for Br #1152€



This map was produced using the Yamhill County GIS data. The GIS data is maintained by the county to support its governmental activities. The county is not responsible for map errors, omissions, misuse or misrepresentation.

Legend

- City LIGS
- Amity
- Carlton
- Dayton
- Dundas
- Ladysmith
- McKenzie
- Nowberg
- Sheridan
- Willamette
- Yamhill
- County Roads
- County Roads
- State Highways
- BLM Roads
- Private Roads
- Public Roads
- Townships

Approx Area Served
 ≈ 30,000 acres



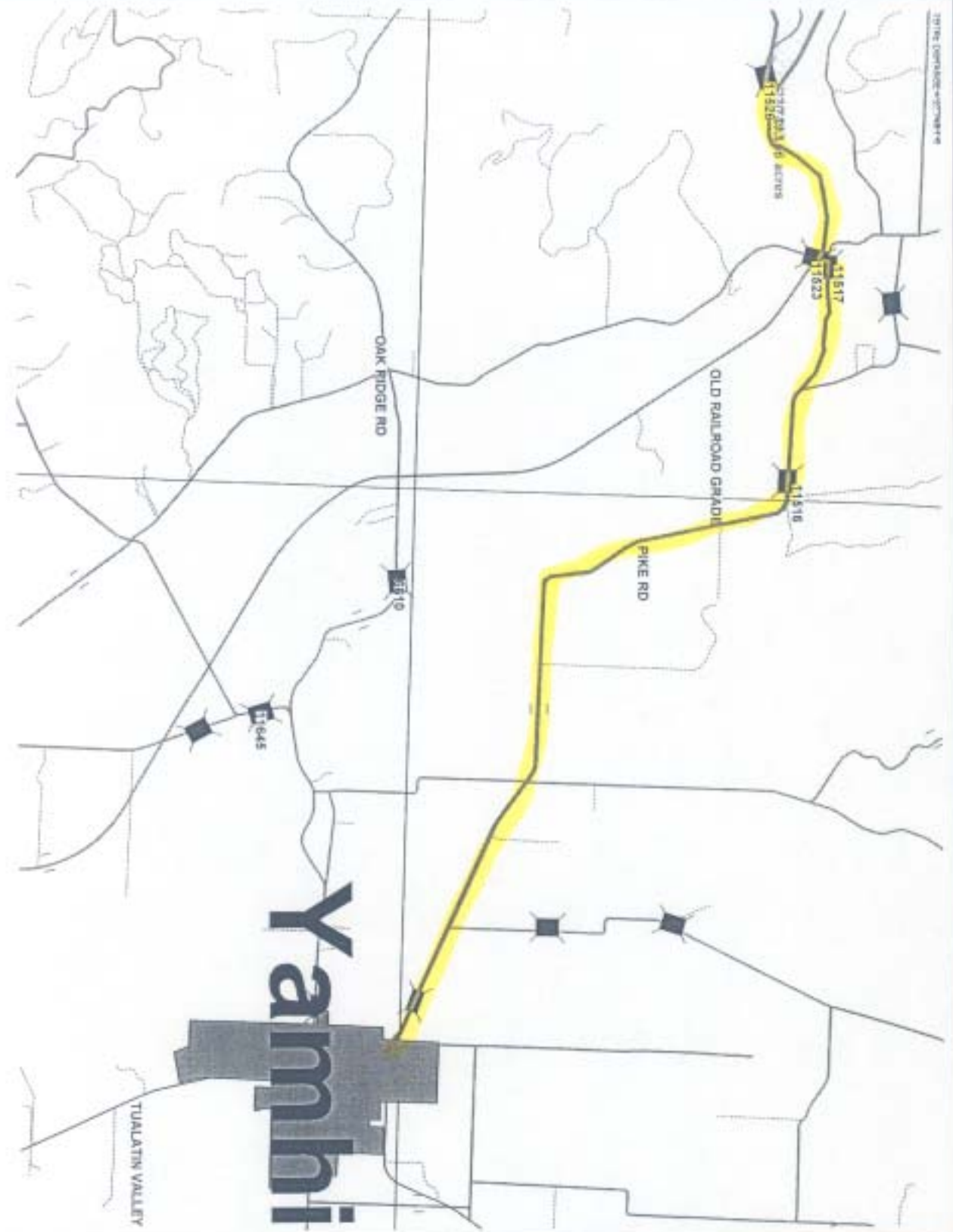
1 in. = 8930ft.

Vicinity



10/12/2003

Connection to St Hwy 47 for Br #11526



Legend

- Bridges
- Bridges lines
- City UGB
- Amity
- Carlton
- Dayton
- Dundee
- Lafayette
- McMinnville
- Newberg
- Sheridan
- Williams
- Yamhill
- County Roads
- County Roads
- State Highway
- BLM Roads
- Private Roads
- Public Roads
- Townships

Dist to Hwy 47
= 5.26 miles



1In. = 3247ft.

Vicinity



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Bridge Project Prospectus

Requested Changes to National Bridge Inventory System (NBIS) Data

(Form Optional)

Applicant: Yamhill County	Bridge Number: 11526			
Project Name / Section: N. Yamhill River (Old RR Grade) Br #11526	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Region: 2</td> <td style="width: 33%;">Area: 3</td> <td style="width: 33%;">District: 3</td> </tr> </table>	Region: 2	Area: 3	District: 3
Region: 2	Area: 3	District: 3		

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	224
---------	------------------	-----



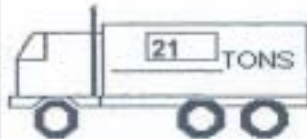
Oregon Department of Transportation Technical Services Branch

Bridge Engineering Section
Local Agency Bridge Load Rating
Posting Summary Sheet

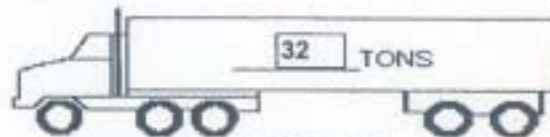
Local Agency: YAMHILLNBIS Bridge Number: 11526Date: 8/28/2003

Truck	Inventory	Operating	Posting Required
HS Equivalent	HS 13	HS 19	N/A
HS 20 (36 Ton)	24.1 Tons	33.8 Tons	N/A
Type 3 (25 Ton)	Tons	21.3 Tons	YES
Type 3S2 (40 Ton)	Tons	32.0 Tons	YES
Type 3-3 (40 Ton)	Tons	35.6 Tons	YES
Permit 5 (60.25 Ton)	Tons	41.0 Tons	N/A
Permit 6 (75.25 Ton)	Tons	39.1 Tons	N/A
Permit 7 (92.5 Ton)	Tons	56.4 Tons	N/A

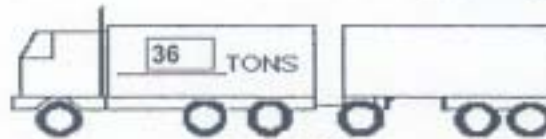
OREGON LEGAL LOADS RECOMMENDED POSTING



TYPE 3



TYPE 3S2



TYPE 3-3

COMMENTS:

Load Rating evaluates the super-structure only and doesn't consider the condition of the sub-structure. On site inspection has revealed stringers and decking are not adequately attached and braced. Running board need to be added to distribute wheel loads. Necessary repairs are to be made prior to use of this load Rating. Recommend leaving current posting of 10 tons until all repairs are made and re-inspected.

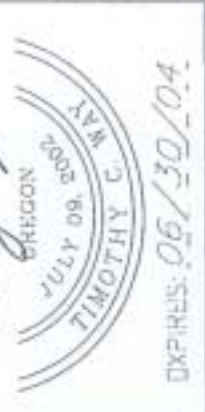
EXP RES: 06/30/04

Post-It® Fax Note	7671	Date	10/13	# of pages	3
To	BILL GILIE	From	KEVIN ROYLE		
Co./Dept	Yamhill Co.	Co.	OBEC		
Phone #		Phone #	541-683-6080		
Fax #	503-472-4068	Fax #	541-683-6576		



OREGON D.O.T. BRIDGE SECTION
LOAD RATING SUMMARY REPORT (PAGE 1)

For local agency bridges. Latest Revision 8/12/2003



EXPIRES: 06/30/04

BRIDGE DATA...
 BRIDGE # [11120] NBI FEATURE: [North Yamhill River]
 BRIDGE NAME: [North Yamhill River] HIGHWAY # [260]
 HIGHWAY NAME: [PUBLIC ROAD] COUNTY: [Yamhill] MILEPOST: [0.00]
 REGION: [2] DIST: [3] COUNTY: [Yamhill]
 YEAR BUILT: [1972] DESIGN LOADING: [H20] OWNER: [Yamhill County]
 SPAN DESC: [5-TIMBER SIMPLER SPAN]
 OTHER DESCR: [TIMBER STRINGER AND DECK]

LOAD RATING ENGINEER DATA...
 RATING DATE: [8/20/2003] FIRM: [OBC CONSULTING ENGINEERS] ENGINEER: [TOW] CALCULATION BOOK: []
LATEST INSPECTION DATA...
 INSP DATE: [3/14/2003] ADT: [124] AGTT: [31] YEAR of ADT (2 digit): [2001] A.C. DEPTH, INCHES: [0.0]
 DECK: [] SUPERSTR: [] SUBSTR: [4] APPROACH RDWY: [] WEARING SURFACE: []
 CONDITION RATINGS → [0] ←

RATING DATA...
 LRFD FACTORS:
 LOAD FACTOR/LOAD RATINGS FOR N.B.L.: INVENTORY: HS 7.0
 INVENTORY CODE: (2-DIGIT): 224 OPERATING: HS 18.8
 SECTIONS EVALUATED: [3] COMMENTS: [] OPER. CODE: (2-DIGIT): 234 Multiple Lanes: (0-500) Bridge Footing Status (Item 70): 5
 NSI STATUS ITEMS:
 Temporary Status (Item 103): []
 Operational Status (Item 41): []

LOAD:	← 1st rating control →				← 2nd rating control →			
	R.F.	Limit State	SPAN	LOCATION	R.F.	Limit State	SPAN	LOCATION
DESIGN & LEGAL VEHICLES HS20 (72K) TYPE 3 (50K) TYPE 3S2 MAX (60K) TYPE 3-3 (60K) ASBESTO LANE LOAD	0.94	S _v M	10' 2"	.4L	0.95	S _v M	10' 2"	.5L
	0.45	S _v M	10' 2"	.5L	0.86	S _v M	10' 2"	.4L
	0.80	S _v M	10' 2"	.5L	0.83	S _v M	10' 2"	.4L
	0.89	S _v M	10' 2"	.5L	0.91	S _v M	10' 2"	.4L
PERMIT VEHICLES, MULTIPLE LANES, FULL IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	1.35	S _v M	10' 2"	.5L	1.42	S _v M	10' 2"	.4L
	0.65	S _v M	10' 2"	.5L	0.69	S _v M	10' 2"	.4L
	0.52	S _v M	10' 2"	.5L	0.53	S _v M	10' 2"	.4L
PERMIT VEHICLES, SINGLE LANE, FULL IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	0.61	S _v M	10' 2"	.4L	0.65	S _v M	10' 2"	.5L
	0.08	S _v M	10' 2"	.5L	0.09	S _v M	10' 2"	.4L
	0.52	S _v M	10' 2"	.5L	0.53	S _v M	10' 2"	.4L
PERMIT VEHICLES, SINGLE LANE, 10% IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	0.61	S _v M	10' 2"	.4L	0.65	S _v M	10' 2"	.5L
	0.08	S _v M	10' 2"	.5L	0.09	S _v M	10' 2"	.4L
	0.52	S _v M	10' 2"	.5L	0.53	S _v M	10' 2"	.4L

**OREGON D.O.T. BRIDGE SECTION
LOAD RATING WORKSHEET (PAGE 2)**

BRIDGE NO: 11526
BRIDGE NAME: North Yamhill River
RATING DATE: 6/28/2003

SECTION EVALUATED	1st	2nd	3rd	4th	5th	6th	7th	8th
LRFD Stress OUT File Name: FORCE TYPE (+M or V): PHI (Resistance Factor): MEMBER (eg. Int girder): SPAN (eg. 1 of 4): LOCATION (eg. 0.1L): AASHTO Impact (T+I) PIS Only: NBI RATINGS (HS20 VEHICLE) INVENTORY (HS20) OPERATING (HS20)	TMBSTG_EOUT V BEARING 1 OF 2 3D 0.00	TMBSTG_EOUT M STRINGER 1 OF 2 .4L 0.00	TMBSTG_EOUT M STRINGER 1 OF 2 .5L 0.00					
DESIGN & LEGAL VEHICLES HS20 (72K) TYPE 3 (50K) TYPE 3S2 MAX (80K) TYPE 3-3 (80K) AASHTO LANE LOAD	1.51 Str 1.55 Str 1.55 Str 1.51 Str 1.58 Str	0.94 Str 0.86 Str 0.83 Str 0.91 Str 1.42 Str	0.95 Ser 0.85 Ser 0.80 Ser 0.89 Ser 1.35 Ser					
PERMIT VEHICLES, MULTIPLE LANES, FULL IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	1.24 Str 1.08 Str 1.01 Str	0.69 Str 0.53 Str 0.61 Str	0.68 Str 0.52 Str 0.65 Str					
PERMIT VEHICLES, SINGLE LANE, FULL IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	1.24 Str 1.08 Str 1.01 Str	0.69 Str 0.53 Str 0.61 Str	0.68 Str 0.52 Str 0.65 Str					
PERMIT VEHICLES, SINGLE LANE, 10% IMPACT PERMIT-5 (120.5K) PERMIT-6 (150.5K) PERMIT-7 (185.0K) SPECIAL-1 SPECIAL-2	0.00 Ser 0.00 Ser 0.00 Ser	0.00 Ser 0.00 Ser 0.00 Ser	0.00 Ser 0.00 Ser 0.00 Ser					

Application For BRIDGE #11526

YAMHILL COUNTY BRIDGE PROJECTS IN PRIORITY ORDER

BR #	FACILITY CARRIED	FEATURE CROSSED
11566	Meadow Lake Road	North Yamhill River
11645	Moore's Valley Road	North Yamhill River
11540A	Baker Creek Road	Baker Creek
11526	Old Railroad Grade Road	North Yamhill River
01751A	Willamina Creek Road	Willamina Creek
11640	Westside Road	Baker Creek
11493	Lafayette Hwy.	Yamhill River

SENATOR GARY GEORGE

DISTRICT 12
PORTIONS OF BENTON,
LINN, MARION, POLK &
YAMHILL COUNTIES



OREGON STATE SENATE
900 COURT ST NE
SALEM, OREGON 97301

Committees:

Member:

Ways and Means
Public Safety
Subcommittee

Transportation and
Economic
Development
Subcommittee, Chair

REPLY TO ADDRESS INDICATED:

- 900 Court St NE S-214
Salem, OR 97301
- 15195 NE Ribbon Ridge Rd.
Newberg, OR 97132

To Whom It May Concern:

I am writing in regard to the current condition of Yamhill Counties Bridge system and the importance of securing funds for it's maintenance and repair.

I have grave concerns about the current condition of several bridges within Yamhill County and the possible effect these conditions may have on the local economy. Yamhill County strongly relies on both the tourism and logging industry both of which are dependent on access to the counties roads. Without immediate attention several bridges within Yamhill County will be shut down due to load bearing restrictions thus causing a negative impact on the local economy. One way or the other these bridges will have to be maintained or repaired so that business opportunities within the county can evolve.

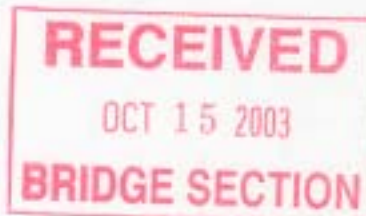
However, adequate funding is needed to begin work and there must be a recognition and willingness to do the maintenance and preservation work with the first available dollars.

I am therefore encouraging you to move forward with funding for Yamhill Counties much needed bridge repair. I have included a list of several bridges within the county that are in need of the most immediate attention and would ask that you consider taking the necessary steps to ensure funding for these projects. I understand that time is short and many factors must be considered, however your help in this matter would be looked upon with extreme favor.

Sincerely,

Gary George
State Senator
District 12

GG:jd



Please consider funding for the repair of the following bridges:

Bridge #

- 11566 Meadow Lake Rd. / North Yamhill River (Scheduled for closure)
- 11645 Moores Valley Rd / North Yamhill River
- 11540A Baker Creek Rd. / Baker Creek
- 11526 Old RR Grade Rd. / North Yamhill River (Currently load rated at 10 tons)
- 01751A Willamina Creek Rd / Willamina Creek
- 11640 West Side Rd. / Baker Creek
- 11493 Lafayette Hwy. / Yamhill River