



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number:						Jurisdiction:					
Section: Baker Cr (Westside Rd) Br #11640						Region: 2		Area: 3		District: 3	
State Highway No.:			Highway Name:			Mile Point From: To:		Length: (mi) (km) 0.00			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural		City:	MPO:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	County: Yamhill	Road/Street Name: Westside 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		\$131		Grading		X	Files	(#)	4		
Right Of Way		\$20		Paving		X	Hectares	(#)	1		
Utility Reimbursement				Structures		X	Relocations	(#)	0		
				Signing			Acquisitions	(#)	4		
Roadway		\$87		Signals			Easements	(#)			
Structures		\$412		Illumination			Work By: State / Consultant / Applicant				
Signals		\$0					Preliminary Engineering	(S,C,A)	C		
Illumination		\$0					Construction Engineering	(S,C,A)	C		
Temp. Protection		\$13					Right of Way Descriptions	(S,C,A)	C		
Const. Contingencies		\$158					Right Of Way Acquisitions	(S,C,A)	C		
Const. Engineering		\$94		Project Categories				Constructed By			
Remove Exist Bridge		\$41		Environmental Class		(1, 2, 3, PCE)		<input checked="" type="checkbox"/> Contract	<input type="checkbox"/> County Force		
Other		\$73		Design Category		(1-7)		<input type="checkbox"/> State Force	<input type="checkbox"/> Other		
Total CE and Construction:		\$876		Work Type Code		(1-13)		<input type="checkbox"/> City Force			
Total Estimate:		\$ 1,027		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	The Westside Road Bridge is located in a short tangent, in a sag vertical curve between reversing curves. The bridge is functionally obsolete due to width and is possibly structurally deficient with hairline shear cracks.								
Structures (#)	1	1									
Signals (#)	0	0									
Bike Way (#)	0	0									
Average Daily Traffic											
Year of ADT			Describe Proposed Solution: - Attach Sketch Map								
Throughway Y/N	Y	Y									
Close roadway and construct a new single span bridge on the same alignment. If the roadway cannot be closed, stage construct on a slightly adjusted alignment to the downstream side to minimize riparian impacts.											
Prepared By: <i>x William A. Ellis</i>				Date: <i>10/15/2003</i>		OTC Approval Date:		Program Year:		Funding Amount:	



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Baker Cr (Westside Rd) Br #11640

Region:
2

Area:
3

District:
3

Project Justification

Bridge #11640 is one of three bridges (the other two are Br #11645 and Br #11566) that provide access to the North-Western half of Yamhill County. This bridge is a high volume (5036 ADT 2003 count, see attached report) Major Collector for Yamhill County. This route is used as a detour for Hwy 47 and various other county routes when accidents or bridge problems arise. Lose of this route or bridge would be a major disaster for the Yamhill County Transportation System. This bridge is functionally obsolete due to width, deck rail, and approach rail. The current SR is 69.3 without a load restriction. If funding for replacement is not available consideration should be given to a re-habilitation project to repair or upgrade enough of the deficient features to ensure a usable life for this structure.

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

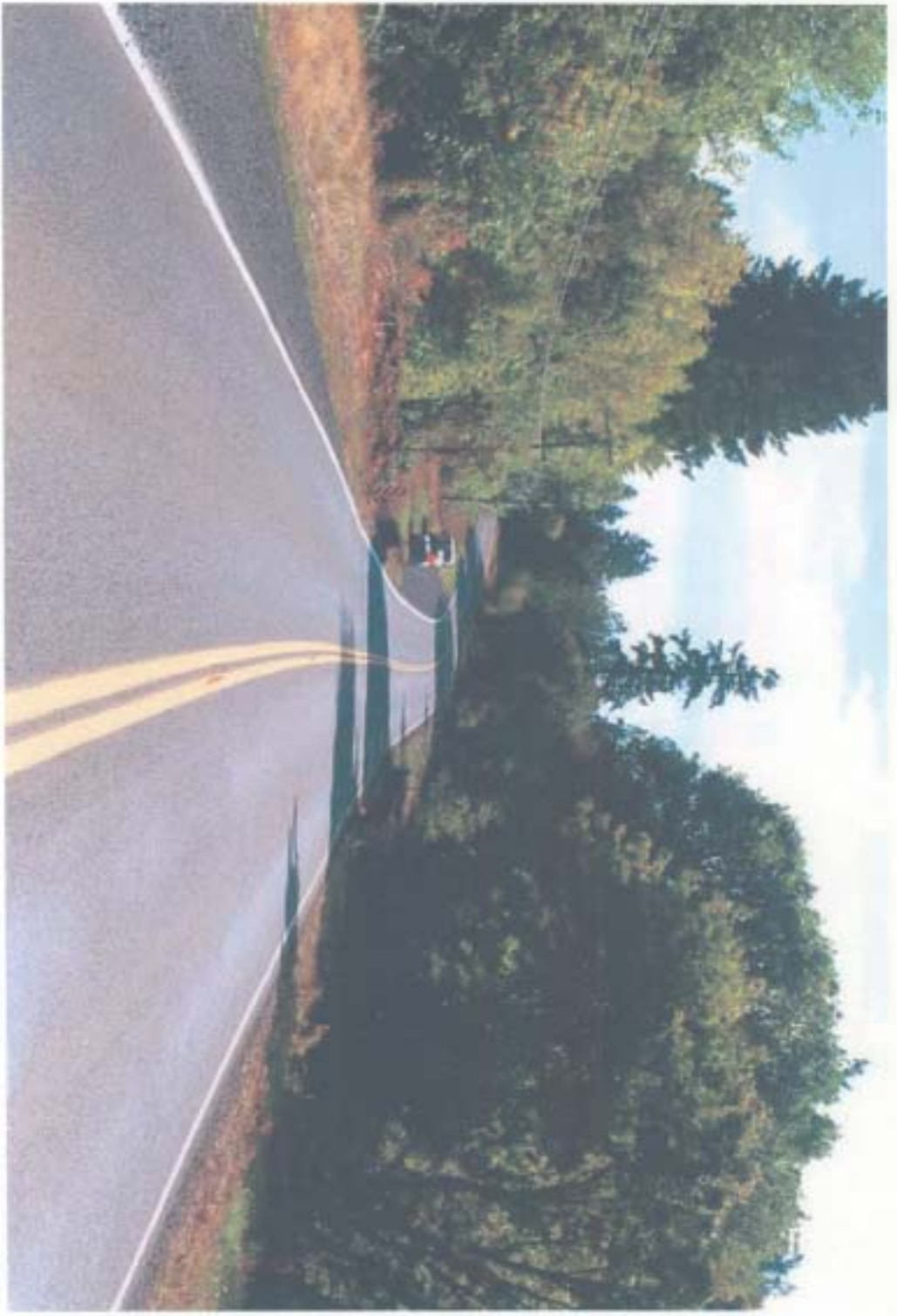
Applicant:	Yamhill County	NBIS	District:
Project / Section	Baker Cr (Westside Rd) Br #11640	Bridge No. 11640 Region: 2	Area: 3 District: 3
<u>New Bridge / Roadway Configuration:</u>		<u>Existing Bridge:</u>	
Left Side Rail	1.5 feet	Bridge Length	102 feet
Left Sidewalk	feet	Bridge Width	30.7 feet
Shoulder	8 feet	Area	3131.4 square ft.
Lane 2	feet		
Lane 1	12 feet	New AC Top Width	43 feet
---CL---	0 feet	New AC Depth	4 inches
Lane 1	12 feet	New Base Depth	18 inches
Lane 2	0 feet	Project Length	410 feet
Shoulder	8 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	44 feet
		Base Avg Width	49.5 feet
Bridge Length	110 feet	Asphalt Density	150 pounds/ cu ft
Bridge Width	43 feet	Base Density	120 pounds/ cu ft
New Area	4730 square ft.	New AC Received	330 tons
		New Base Required	1337 tons
COST ESTIMATE:		Price	Cost (\$x1000s)
Right-of-Way	Quantity 1 Unit Acre	per unit \$ 20,000	\$20
==Roadway==			
Clear & Grub	\$ 10,789 lump sum		\$11
General Excavation	310 cubic yards	\$ 12.00	\$4
Embankment in Place	530 cubic yards	\$ 12.00	\$6
Pavement Removal	- square feet	\$ 0.45	\$0
Aggregate Base	1,337 tons	\$ 16.00	\$21
Asphalt Concrete	330 tons	\$ 56.00	\$18
Riprap	216 cubic yards	\$ 50.00	\$11
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			\$87
Structures	4,730 square feet	\$ 87.00	\$412
Signals	\$ - lump sum		\$0
Illumination	\$ - lump sum		\$0
Temporary Protection	\$ 12,700 lump sum		\$13
Remove Existing Bridge	3,131 square feet	\$ 13.00	\$41
Mobilization	\$ 62,500 lump sum		\$63
Erosion Ctrl / Restortation	\$ 10,600 lump sum		\$11
Detour Bridge	square feet	\$ 25.00	\$0
Subtotal Structures			\$538
Subtotal Construction			\$625
==Engineering==			
Construction Engineering	15 percent of construction		\$94
Contingency	25 percent of construction		\$156
Subtotal Const. Eng.			\$250
Preliminary Engineering			
Consultant	18 percent of construction		\$113
State	1 percent of construction		\$6
County	2 percent of construction		\$13
Subtotal PE			\$131
Total Estimate			\$1,027

Bridge Project Prospectus Additional Bridge Information

Applicant: Yamhill County		NBIS Bridge Number: 11640					
Project Name / Section: Baker Cr (Westside Rd) Br #11640		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 <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="665"/></td> <td><input style="width: 50px;" type="text" value="665"/></td> </tr> </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: <input style="width: 50px;" type="text" value="665"/>	<input style="width: 50px;" type="text" value="665"/>	Detour Detour Route: Length: <input style="width: 50px;" type="text" value="22.1"/> Map: (Please attach map)	
Existing	Proposed						
Truck AADT: <input style="width: 50px;" type="text" value="665"/>	<input style="width: 50px;" type="text" value="665"/>						
Regional Freight Corridor Analysis:							
<p>A map is attached showing the area served by Bridge #11640. An estimated 62,300 acres of mixed agriculture and forestry uses are accessed by this bridge. A large share of this acreage is served by other bridges (#11645 and #11566) that are restrictive load rated and also current applicants for funding. Although Bridge #11640 is not currently load restricted it does have early signs of hairline width shear cracks in the exterior girders. This bridge is crucial to the entire NW county freight corridor in its own right but also as a potential replacement route for bridges #11645 and #11566 as they are repaired or replaced. The detour length for this structure is excessive (22.1 miles) and must utilize sub-standard local roads as the only viable route available given the load restrictions on bridges #11645 and #11566.</p>							
Special Consideration:							
<p>Bridge #11640 is the key bridge in the three major routes serving NW Yamhill County. This bridge has early evidence of structural problems in the form of hairline width shear cracks – no load restrictions are required as of this application.</p>							
<p>Bridge #11640 is one of three bridges that provide alternative routes for the Tualitin Valley Hwy (Hwy 47) in Yamhill County. The reconstruction of a portion of Hwy 47 in the City of Yamhill envisions the use of this route and structure as a proposed detour. As Bridges #11566 and #11645 are repaired or replaced this route and structure will take a large share of their traffic.</p>							
<p>Westside Road (including Bridge #11640) are shown as a critical route in the Yamhill County Emergency Management Plan.</p>							



Looking North



Looking South

BRIDGE# 11640 WESTSIDE RD. LOOKING UPSTREAM. (2560x1920x16M .jpeg)



BRIDGE# 11640 WESTSIDE RD. LOOKING DOWNSTREAM. (2560x1920x16M jpeg)





Looking Down Stream



Looking Upstream

BRIDGE# 11640 WESTSIDE RD., WEST UNDERSIDE. (2560x1920x16M jpeg)



BRIDGE# 11640 WESTSIDE RD. EAST UNDERSIDE. (2560x1920x16M .jpeg)





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 # 11640

WESTSIDE ROAD
COUNTY ROAD # 21
(48-HR TRAFFIC COUNT)

DATA RECORDER LOCATION : AS SPECIFIED

PREPARED FOR : SUSAN MUNDY
ROAD MASTER

PREPARED BY : EDGAR B. PETEROS
Road Master Technical Assistant

NORTH BOUND SUMMARY REPORT

Counter No. 1

**Location: North of Rd No. 217
(South End of Bridge)**

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Road name : WESTSIDE RD
Location : NORTH OF 217
Ser # : # 1

Site: 2

Direction: N BD

Data for Wednesday 8/20/2003

Vehicle Count Statistics

Daily Total

1,694

AM	Peak Hour	11:00	PM	Peak Hour	05:15
	Volume	115		Volume	207
	Factor	0.90		Factor	0.98

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	0	16	65	349	894	329	28	8	4	2	3	6
% of Totals	0.0	0.0	0.9	3.8	20.5	52.5	19.3	1.6	0.5	0.2	0.1	0.2	0.4

Avg. Speed 36.90 MPH

%ile Speeds	10%	15%	50%	85%	90%
	31.3 MPH	32.5 MPH	37.4 MPH	41.9 MPH	43.2 MPH

Pace

Speed	30-40 MPH
Number in pace	1,243
% in pace	72.9

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	3.0	0.9	0.5
Totals	51	15	9

Class Statistics

	Cars & 2 Axle Bikes	2 Axle	3 Axle	4 Axle	<3 Axle	5 Axle	>6 Axle	<6 Axle	6 Axle	>6 Axle			
Bin Totals	32	1,069	395	11	134	24	1	11	19	6	0	0	2
% of Totals	1.9	62.7	23.2	0.6	7.9	1.4	0.1	0.6	1.1	0.4	0.0	0.0	0.1

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	237	156	105	101	89	77	61	56	58	38	24	19	128
% of Totals	20.6	13.6	9.1	8.8	7.7	6.7	5.3	4.9	5.0	3.3	2.1	1.7	11.1

Error Statistics

Sensor	A	B
Total Hits	7,932	7,910
Percent Used	95.0	95.0
Avg Axles Per Vehicle	2.11	
Avg Two Axle Wheelbase	9.7 ft.	

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Road name : WESTSIDE RD
Location : NORTH OF 217
ter # : # 1

Site: 2

Direction: N BD

Data for Thursday 8/21/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	06:15	PM	Peak Hour	04:30
2,570		Volume	164		Volume	210
		Factor	0.98		Factor	0.91

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	5	43	92	571	1,283	482	62	13	6	7	3	16
% of Totals	0.0	0.2	1.7	3.6	22.1	49.7	18.7	2.4	0.5	0.2	0.3	0.1	0.6

Avg. Speed 36.85 MPH

%ile Speeds	10%	15%	50%	85%	90%
	31.0 MPH	32.2 MPH	37.3 MPH	42.1 MPH	43.4 MPH

Pace

Speed	30-40 MPH
Number in pace	1,854
% in pace	71.8

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	4.1	1.2	0.7
Totals	107	32	19

Class Statistics

	Cars & Bikes	2 Axle	2 Axle	3 Axle	4 Axle	<5 Axle	5 Axle	>6 Axle	<6 Axle	6 Axle	>6 Axle		
	Tire	Long	Buses	6 Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	
Bin Totals	40	1,589	603	18	198	77	0	19	19	5	0	2	13
% of Totals	1.5	61.5	23.3	0.7	7.7	3.0	0.0	0.7	0.7	0.2	0.0	0.1	0.5

Gap Statistics

lSecs	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	329	227	185	172	129	84	75	81	73	58	44	33	203
% of Totals	19.4	13.4	10.9	10.2	7.6	5.0	4.4	4.8	4.3	3.4	2.6	1.9	12.0

Error Statistics

Sensor	A	B
Total Hits	12,126	11,922
Percent Used	92.0	94.0
Avg Axles Per Vehicle	2.14	
Avg Two Axle Wheelbase	9.7 ft.	

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Road name : WESTSIDE RD
Location : NORTH OF 217
Counter # : # 1

Site: 2

Direction: N BD

Data for Friday 8/22/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	05:45	PM	Peak Hour	*
745		Volume	139		Volume	*
		Factor	0.94		Factor	*

Speed Statistics

MPH	5	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	3	20	47	172	381	101	8	6	1	2	2	2													
% of Totals	0.0	0.4	2.7	6.3	23.1	51.1	13.6	1.1	0.8	0.1	0.3	0.3	0.3													

Avg. Speed 35.90 MPH

%ile Speeds	10%	15%	50%	85%	90%
	30.1 MPH	31.2 MPH	36.7 MPH	40.5 MPH	42.4 MPH

Pace

Speed	30-40 MPH
Number in pace	553
% in pace	74.2

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	2.8	0.9	0.5
Totals	21	7	4

Class Statistics

	Cars & 2 Axle		2 Axle 3 Axle		4 Axle		<5 Axle		5 Axle		>6 Axle		<6 Axle		6 Axle		>6 Axle	
	Bikes	Trn	Trn	Buses	6 Tire	Single	Single	Double	Double	Double	Multi	Multi	Multi	Multi	Multi	Multi	Multi	Multi
Bin Totals	15	415	177	7	63	49	0	6	6	4	0	0	3					
% of Totals	2.0	55.7	23.8	0.9	8.5	6.6	0.0	0.8	0.8	0.5	0.0	0.0	0.4					

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	82	52	48	41	40	25	25	19	11	20	10	8	56													
% of Totals	18.8	11.9	11.0	9.4	9.2	5.7	5.7	4.3	2.5	4.6	2.3	1.8	12.8													

Error Statistics

Sensor	A	B
Total Hits	3,535	3,307
Percent Used	84.0	90.0
Avg Axles Per Vehicle	2.18	
Avg Two Axle Wheelbase	9.7 ft.	

SOUTH BOUND SUMMARY REPORT

Counter No. 1

**Location: North of Rd No. 217
(South End of Bridge)**

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Road name : WESTSIDE RD
Location : NORTH OF 217
ter # : # 1

Site: 2

Direction: S BD

Data for Wednesday 8/20/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	11:00	PM	Peak Hour	05:00
1.857		Volume	144		Volume	262
		Factor	0.77		Factor	0.90

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	8	12	170	814	673	147	21	6	1	1	1	8	
% of Totals	0.0	0.4	0.6	9.1	43.7	36.1	7.9	1.1	0.3	0.1	0.1	0.1	0.4	
Avg. Speed	34.46 MPH													
%ile Speeds	10%			15%			50%			85%			90%	
	29.9 MPH			30.6 MPH			34.6 MPH			39.3 MPH			40.0 MPH	

Pace

Speed	30-40 MPH
Number in pace	1,487
% in pace	79.9

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage Totals	2.0	0.6	0.5
	38	11	9

Class Statistics

	Cars & 2 Axle			2 Axle		3 Axle		4 Axle		5 Axle		6 Axle		6 Axle		6 Axle	
	Bikes	Tire	Donut	Based	6 Tire	Sinaxle	Single	Double	Double	Double	Multi	Multi	Multi	Multi	Multi	Multi	
Bin Totals	23	1,160	445	15	140	24	0	9	32	10	0	0	0	0	0	4	
% of Totals	1.2	62.3	23.9	0.8	7.5	1.3	0.0	0.5	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.2	

Gap Statistics

ISecs	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	193	127	113	86	86	88	53	41	32	23	22	18	149
% of Totals	18.7	12.3	11.0	8.3	8.3	8.5	5.1	4.0	3.1	2.2	2.1	1.7	14.5

Error Statistics

Sensor	A	B
Total Hits	7,932	7,910
Percent Used	95.0	95.0
Avg Axles Per Vehicle	2.11	
Avg Two Axle Wheelbase	9.7 ft.	

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Site: 21

Road name : WESTSIDE RD

Location : NORTH OF 217

Corridor #: # 1

Direction: S BD

Date for: Thursday 8/21/2003

Vehicle Count Statistics

Daily Total
2,596

AM	Peak Hour	08:15	PM	Peak Hour	04:15
	Volume	186		Volume	245
	Factor	0.79		Factor	0.68

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	70-990
Bin Totals	0	1	20	302	1,207	844	179	22	9	2	1	1	13
% of Totals	0.0	0.0	0.8	11.6	46.4	32.4	6.9	0.8	0.3	0.1	0.0	0.0	0.5

Avg. Speed 34.08 MPH

%ile Speeds	10%	15%	50%	85%	90%
	29.0 MPH	30.3 MPH	34.1 MPH	39.0 MPH	39.8 MPH

Pace

Speed	30-40 MPH
Number in pace	2,051
% in pace	78.9

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	1.8	0.7	0.5
Totals	48	17	14

Class Statistics

	Cars & 2 Axle Bikes	2 Axle 6 Tire	2 Axle Long Base	2 Axle 6 Tire Base	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	
Bin Totals	32	1,590	612	14	207	37	2	22	59	11	0	2	13
% of Totals	1.2	61.1	23.5	0.5	8.0	1.4	0.1	0.8	2.3	0.4	0.0	0.1	0.5

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	>5-990
Bin Totals	242	184	128	119	107	94	75	66	63	48	32	31	202
% of Totals	17.4	13.2	9.2	8.6	7.7	6.8	5.4	4.7	4.5	3.5	2.3	2.2	14.5

Error Statistics

Sensor	A	B
Total Hits	12,126	11,922
Percent Used	92.0	94.0
Avg Axles Per Vehicle	2.14	
Avg Two Axle Wheelbase	9.7 ft.	

ROAD DEPARTMENT
TRAFFIC STUDY REPORT

Road name : WESTSIDE RD
Location : NORTH OF 217
Counter # : # 1

Site: 21

Direction: S BD

Data for Friday 8/22/2003

Vehicle Count Statistics

Daily Total	AM	Peak Hour	10:00	PM	Peak Hour	*
610		Volume	144		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	1	2	4	79	303	175	35	7	2	0	0	1	1										
% of Totals	0.2	0.3	0.7	13.0	49.7	28.7	5.7	1.1	0.3	0.0	0.0	0.2	0.2										
Avg. Speed	33.56 MPH																						
%ile Speeds	<table border="0" style="width: 100%;"> <tr> <td>10%</td> <td>15%</td> <td>50%</td> <td>85%</td> <td>90%</td> </tr> <tr> <td>28.4 MPH</td> <td>30.1 MPH</td> <td>33.6 MPH</td> <td>38.7 MPH</td> <td>39.6 MPH</td> </tr> </table>													10%	15%	50%	85%	90%	28.4 MPH	30.1 MPH	33.6 MPH	38.7 MPH	39.6 MPH
10%	15%	50%	85%	90%																			
28.4 MPH	30.1 MPH	33.6 MPH	38.7 MPH	39.6 MPH																			

Pace

Speed	30-40 MPH
Number in pace	478
% in pace	78.4

Speed Exceeded	45(MPH)	55(MPH)	65(MPH)
Percentage	1.8	0.3	0.3
Totals	11	2	2

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	7	345	156	5	54	11	0	6	19	4	0	0	0	3
% of Totals	1.1	56.6	25.6	0.8	8.9	1.8	0.0	1.0	3.1	0.7	0.0	0.0	0.0	0.5

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	47	27	25	25	22	24	20	12	13	11	10	10	46
% of Totals	16.1	9.2	8.6	8.6	7.5	8.2	6.8	4.1	4.5	3.8	3.4	3.4	15.8

Error Statistics

Sensor	A	B
Total Hits	3,535	3,307
Percent Used	84.0	90.0
Avg Axles Per Vehicle	2.18	
Avg Two Axle Wheelbase	9.7 ft.	

Date:	Daily		# of Trucks	
	N. Bd.	TOTALS S. Bd.	N. Bd.	S. Bd.
8/20/03	1,694	1,857	197	219
8/21/03	2,570	2,596	333	353
8/22/03	745	610	131	97
TOTALS	5,009	5,063	661	669

ADT Calcs:

$$\frac{48\text{hr. N. Bd.} + 48\text{hr. S. Bd.}}{2} = \frac{5,009 + 5,063}{2} = 5036 \text{ veh/day}$$

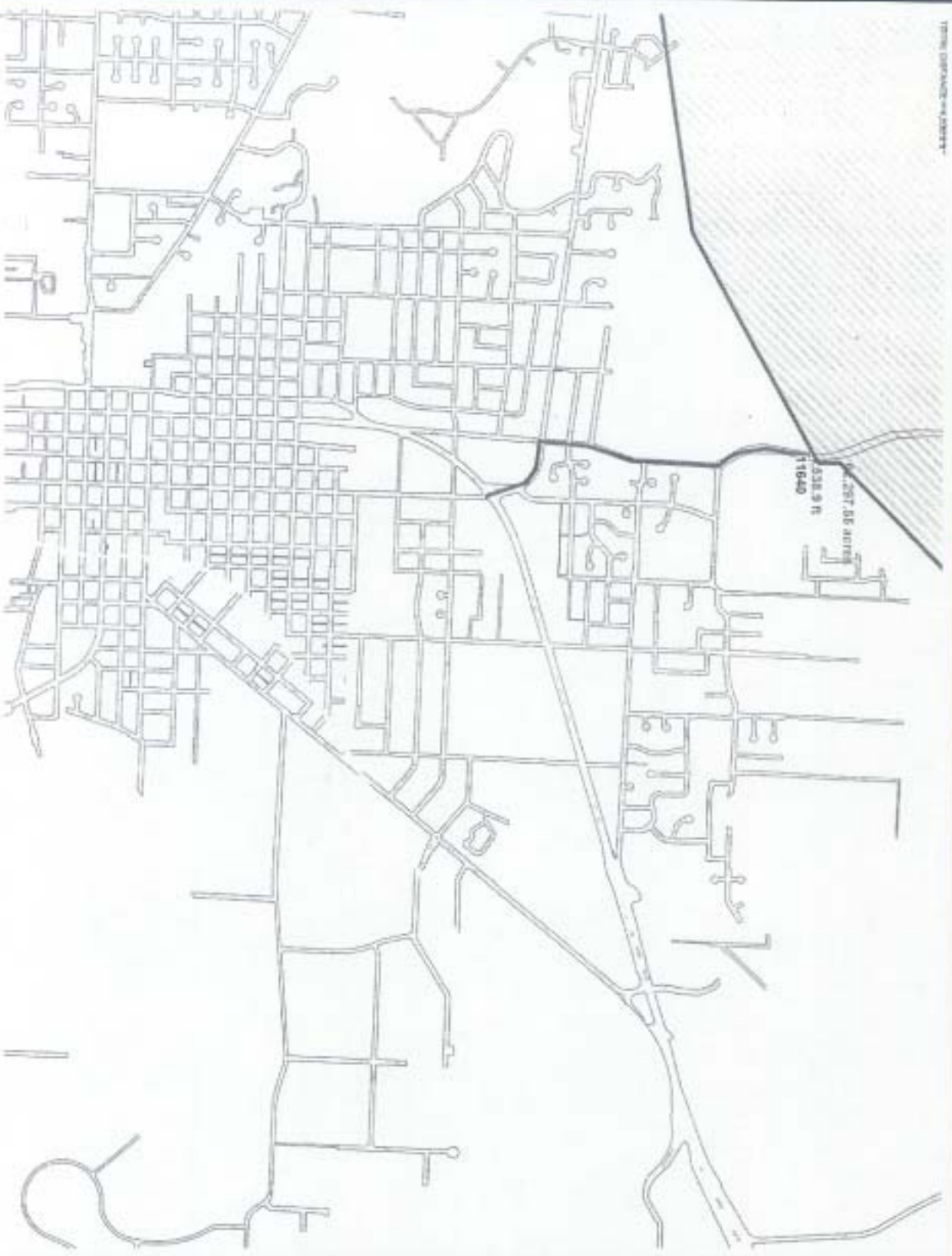
#Trucks Calc:

$$\frac{48\text{hr. N. Bd. Trucks} + 48\text{hr. S. Bd. Trucks}}{2} = \frac{661 + 669}{2} = 665 \text{ Trucks/day}$$

$$\frac{665}{5,036} = 13.2\% \text{ Trucks}$$

Connection to Hwy 99W for Br #11640

TRIM: 03/20/2003 11:42:11 AM



Legend
Tallies
Townships

Dist to Hwy 99W
= 0.86 miles



1In. = 1837ft.
Vicinity



This map was produced using the Yavapai 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 misinterpretation.

10/12/2003

Bridge Project Prospectus

Requested Changes to National Bridge Inventory System (NBIS) Data

(Form Optional)

Applicant: Yamhill County	Bridge Number: 11640		
Project Name / Section: Baker Cr (Westside Rd) Br #11640	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-98-001, 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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APPLICATION FOR BRIDGE #11640
REPLACEMENT OPTION

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.

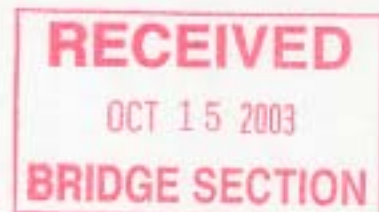
However, adequate funding is needed to begin work and there must be a recognition and willingness to do the maintenance and preservation work with the first available dollars.

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

GGjkd



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