



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

										Key Number:		Jurisdiction:			
Section: Old Rainier Road Bridge No. 9C158										Region: 1		Area:		District: 2A	
State Highway No.:		Highway Name:				Mile Point From: 0.57 To:				Length: (mi) (km)					
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural		City:		MPO: Within UGB <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		County: Columbia		Road/Street Name: Old Rainier Road (County Bridge No. 58)							
Route No.:		NHS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HPMS:		FC: Applicant (if other than State): RMaC Columbia County Road Department									
US Congressional District: First				State Senate District: First				State Representative District: First							
Cost Estimates (x \$ 1,000)				Project Components				Right Of Way							
Preliminary Engineering		\$70		Grading		Yes		Files		(R) 4					
Right Of Way		\$20		Paving		Yes		Hectares		(R) 1					
Utility Reimbursement		No		Structures		Yes		Relocations		(R) 0					
				Signaling		No		Acquisitions		(R) 4					
Roadway		\$41		Signals		No		Easements		(R) 0					
Structures		\$133		Illumination		No		Work By: State / Consultant / Applicant							
Signals		\$0						Preliminary Engineering (S,C,A)		Consultant					
Illumination		\$0						Construction Engineering (S,C,A)		Consultant					
Temp. Protection		\$4						Right of Way Descriptions (S,C,A)		Consultant					
Const. Contingencies		\$53						Right Of Way Acquisitions (S,C,A)		Consultant					
Const. Engineering		\$32		Project Categories				Constructed By							
Remove Exist Bridge		\$0		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force					
Other		\$24		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other					
Total CE and Construction:		\$297		Work Type Code (1-13)		5		<input type="checkbox"/> City Force							
Total Estimate:		\$ 387		Primary STIP Work Type:		5									
Recommended Let Date By Federal Fiscal Year (Quarter-Year):										1st-2006					
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	Sufficiency Rating is 42 and bridge is classified Functionally Obsolete. Bridge is weight restricted at 15-21-23. Road provides west bound access to Hwy 30 from Apiary Rd. Has potential for heavy truck usage. Built in 1918.											
Structures (#)		1	1												
Signals (#)		0	0												
Bike Way (#)		0	0												
Average Daily Traffic		717													
Year of ADT		2002													
Throughway Y/N		Yes		Describe Proposed Solution: - Attach Sketch Map											
				Replace bridge with single span precast prestressed concrete slab on existing alignment and grade.											
Prepared By: <i>Amr Clod...</i>				Date: 10/15/03		OTC Approval Date:		Program Year:		Funding Amount:					



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Old Rainier Road Bridge No. 9C158

Region:
1

Area:
0

District:
2A

Project Justification

Bridge is load restricted and doesn't allow trucks to cross.

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 Columbia

County

By:

By:

Dave Hill, Public Works Director

By:

By:

David A. Hill

By:

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

Administrative Recommendation

Bridge Prospectus Cost Estimate

NBIS		Bridge No.	
Applicant:	Columbia County Road Depart	9C158	
Project /	Old Rainier Road Bridge No.	Region:	Area:
Section	9C158	1	0
			District: 2A
New Bridge / Roadway Configuration:			
Left Side Rail	1.5 feet	Existing Bridge:	
Left Sidewalk	0 feet	Bridge Length	29 feet
Shoulder	5 feet	Bridge Width	25 feet
Lane 2	0 feet	Area	725 square ft.
Lane 1	12 feet	New AC Top Width	37 feet
--CL--	0 feet	New AC Depth	4 inches
Lane 1	12 feet	New Base Depth	12 inches
Lane 2	0 feet	Project Length	140 feet
Shoulder	5 feet	Net Road Work Length	100 feet
Right Sidewalk	0 feet	X-S Side Slope	3:01
Right Side Rail	1.5 feet	AC Avg Width	37 feet
		Base Avg Width	40 feet
Bridge Length	40 feet	Asphalt Density	150 pounds/ cu ft
Bridge Width	37 feet	Base Density	120 pounds/ cu ft
New Area	1480 square ft.	New AC Received	92.5 tons
		New Base Required	240 tons
COST ESTIMATE:			
	Quantity	Unit	Price per unit
Right-of-Way	1	Acre	\$ 20,000
	==Roadway==		Cost (\$x1000s)
Clear & Grub	\$ 3,605	lump sum	\$4
General Excavation	30	cubic yards	\$ 12.00
Embankment in Place	10	cubic yards	\$ 12.00
Pavement Removal	5,180	square feet	\$ 0.45
Aggregate Base	240	tons	\$ 16.00
Asphalt Concrete	93	tons	\$ 56.00
Riprap	199	cubic yards	\$ 50.00
Guardrail, Type 2A	100	feet	\$ 11.50
Guardrail, Type 3	50	feet	\$ 38.00
Guardrail Trans	4	feet	\$ 1,600.00
Flared Terminals	4	each	\$ 1,600.00
	Subtotal Roadway		\$41
Structures	1,480	square feet	\$ 90.00
Signals	\$ -	lump sum	\$133
Illumination	\$ -	lump sum	\$0
Temporary Protection	\$ 4,360	lump sum	\$0
Remove Existing Bridge	\$ 725	square feet	\$4
Staged Construction	\$ -	lump sum	\$9
Mob & Erosion Ctrl	24,113	lump sum	\$0
	Subtotal Structures		\$13
	Subtotal Construction		\$212
	==Engineering==		
Construction Engineering	15	percent of construction	\$32
Contingency	25	percent of construction	\$53
	Subtotal Const. Eng.		\$85
Preliminary Engineering			
Consultant	30	percent of construction	\$64
State	1	percent of construction	\$2
County	2	percent of construction	\$4
	Subtotal PE		\$70
	Total Estimate		\$387

Bridge Project Prospectus Additional Bridge Information

Applicant: Columbia County Road Department		NBIS Bridge Number: 9C158						
Project Name / Section: Old Rainier Road Bridge No. 9C158		Region: 1	Area: 0	District: 2A				
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; border-bottom: 1px solid black;">Existing</td> <td style="text-align: center; border-bottom: 1px solid black;">Proposed</td> </tr> <tr> <td>Truck AADT: <input style="width: 50px;" type="text" value="0"/></td> <td><input style="width: 50px;" type="text" value="10"/></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="0"/>	<input style="width: 50px;" type="text" value="10"/>	Detour Detour Route: Length: <input style="width: 50px;" type="text" value="2"/> Map: (Please attach map)	
Existing	Proposed							
Truck AADT: <input style="width: 50px;" type="text" value="0"/>	<input style="width: 50px;" type="text" value="10"/>							
Regional Freight Corridor Analysis:								
Special Consideration:								

Old Rainier Rd 9C158



MVC-398F.JPG



MVC-399F.JPG



MVC-400F.JPG



MVC-401F.JPG



MVC-402F.JPG

APPLICATION INPUT WORKSHEET - NON-NBIS BRIDGES

CK Jobo

Enter the Following Bridge Information:

Bridge #:	13791A	(1)
Bridge Name:	Lost Creek Road	(2)
City or County Bridge:	City <input type="radio"/> County <input checked="" type="radio"/> ←(circle one)	
Agency:	Columbia County Road Department	(3)
County:	Columbia	(4)
Existing Deck Area:	414	

NOTE: Except as noted below, any checklist item that is answered with a 'No' requires an "X" to be placed in the 'Missing Data' column adjacent.

Project Prospectus, Part 1:

Checklist:		Missing Data	
Prospectus Pages 1 and 2 included in Application?:	<input checked="" type="radio"/> Yes No		
Agency, County above match the Application?:	<input checked="" type="radio"/> Yes No		(5)
Photos of Existing Structure included with Application?:	<input checked="" type="radio"/> Yes No		
Rehabilitation or Replacement specified?:	<input checked="" type="radio"/> Yes No		(6)
Sketch of Proposed Solution included with Application?:	Yes <input checked="" type="radio"/> No	X	
'Average Daily Traffic' and 'Year of ADT' fields filled?:	<input checked="" type="radio"/> Yes No		(7)
Is the 'Total Estimate' field filled?:	<input checked="" type="radio"/> Yes No		(8)
Is the bridge on a dead end?:	Yes <input checked="" type="radio"/> No		(9)

Data Input:			
Item 29	Rehabilitation or Replacement:	REPLACE	(6)
	Existing ADT, veh/day:	300	(7)
	Total Estimate(\$x1000):	300	(8)

Prospectus Cost Estimate:

Checklist:		Missing Data
Cost Estimate included in Application?:	<input checked="" type="radio"/> Yes No	

posted ✓

APPLICATION INPUT WORKSHEET - NON-NBIS BRIDGES

Prospectus Additional Bridge Information:

Checklist:

			Missing Data
Add'l Bridge Information form included in Application?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
*Preferred Funding Source specified?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Confirm if 'No'
*Alternative Funding Source specified?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	(see * below)
Has a 'Proposed Truck AADT' been listed?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
If no Proposed Truck AADT, has the agency verified that the 5% default applies?:	<input type="radio"/> Yes	<input type="radio"/> No	N/A
Has the 'Fire Truck Usage' amount been selected?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Has the 'Detour Length' been provided?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Has a Detour Map been included in the Application?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Is there a Regional Freight Corridor Analysis and map?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
New Sufficiency Rating Calculated (check all sheets):	<input type="radio"/> Yes	<input checked="" type="radio"/> No	X
Backup/Input data provided for new Sufficiency Rating?:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A

Notes:

1) If any of the description items changed, a new Sufficiency Rating and backup data are to be provided. Likewise, if a new sufficiency rating has been provided, then backup data, and most likely a Change Request form or Non-NBIS form, will need to be provided.

*OTIA III funding assumed if Preferred Funding Source not given;
 OTIA III or HBRR funding assumed if Alternative Funding Source not given.

**Exceptions in the 'Special Considerations'?: Yes No

(Circle/List all that apply):

Common Exceptions: Multiple Bridges Industrial Access State Hwy Emerg. Route Heavy Trucks

Other Exceptions: Access to timber land (15)

**Selecting 'No' for the Exceptions may not qualify as Missing Data.

Data Input:

Preferred Funding Source(s):	<u>OTIA III</u>	(9)
Alternative Funding Source(s):	<u>OTIA III</u>	(9)
Proposed Truck AADT, trucks/day:	<u>10</u>	(10)
Fire Truck Usage:	<u>No less than 25% of trips</u>	(11)
Detour Length, miles:	<u>11</u>	(12)
Sufficiency Rating:		(14)

APPLICATION INPUT WORKSHEET - NON-NBIS BRIDGES

Required Data for Bridges Not Listed in the National Bridge Inventory System (NBIS):

Checklist:

Is the Non-NBIS Data form included in the Application?:	Yes	No	Missing Data	
Are all of the description input item fields filled?:	<input checked="" type="radio"/>	<input type="radio"/>	N/A	(18)
Backup data provided for description items?:	<input checked="" type="radio"/>	<input type="radio"/>	N/A	
Was a new Inventory Rating provided?:	<input checked="" type="radio"/>	<input type="radio"/>		(19)
Are all of the inspection input item fields filled?:	<input checked="" type="radio"/>	<input type="radio"/>	N/A	(20)
Qualified Inspector's Evaluation included?:	<input checked="" type="radio"/>	<input type="radio"/>	N/A	
Stamped calcs provided for revised Inventory Rating?:	<input checked="" type="radio"/>	<input type="radio"/>	N/A	

Data Input:

Structure Description Input:

Item 26	Functional Classification:	09	(18)
Item 28	Lanes on Structure:	0200	
Item 32	Approach Roadway Width, ft:	021	
Item 36	Traffic Safety Features:	0000	
Item 43	Structure Type, Main:	T02	
Item 51	Bridge Roadway Width, ft:	0223	
Item 53	Vertical Clearance over Deck, ft:	9999	
Item 54	Underclearance, ft:	N0000	
Item 55	Minimum Left, ft:	N0000	
Item 56	Minimum Right, ft:	N0000	
Item 100	Defense Highway Designation:	0	

Inspection Input:

Item 58	Deck Condition:	5	(20)
Item 59	Superstructure Rating:	4	
Item 60	Substructure Rating:	5	
Item 62	Culverts:	0	
Item 67	Structural Evaluation:	5	
Item 68	Deck Geometry:	5	
Item 69	Underclearances:	0	
Item 71	Waterway Adequacy:	7	
Item 72	Approach Road Alignment:	7	

Inventory and Sufficiency Rating Input:

Item 66	Inventory Rating:	2/9 11	(19)
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PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: Lost Creek Road Bridge No. 13791A		Key Number:		Jurisdiction:	
State Highway No.:		Highway Name:		Region: 1	District: 2A
Mile Point From: 1.35 To: _____		Length: (mi) _____ (km) _____			
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	City:	MPO:	Watershed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	County: Columbia	Road/Street Name: Lost Creek Road (County Bridge No. 85)
Route No.:	NHS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HPMS:	FC: <input type="checkbox"/> State <input checked="" type="checkbox"/> Local	Applicant (if other than State): Columbia County Road Department	
US Congressional District: First		State Senate District: First		State Representative District: First	
Cost Estimates (x \$ 1,000)		Project Components		Right Of Way	
Preliminary Engineering	\$52	Grading	Yes	Files (#)	4
Right Of Way	\$20	Paving	Yes	Hectares (#)	1
Utility Reimbursement	No	Structures	Yes	Relocations (#)	0
		Signing	No	Acquisitions (#)	4
Roadway	\$37	Signals	No	Easements (#)	0
Structures	\$101	Illumination	No	Work By: State / Consultant / Applicant	
Signals	\$0			Preliminary Engineering (S.C.A.)	Consultant
Illumination	\$0			Construction Engineering (S.C.A.)	Consultant
Temp. Protection	\$3			Right of Way Descriptions (S.C.A.)	Consultant
Const. Contingencies	\$41			Right Of Way Acquisitions (S.C.A.)	Consultant
Const. Engineering	\$24	Project Categories		Constructed By	
Remove Exist Bridge	\$3	Environmental Class (1, 2, 3, PCE)	2	<input checked="" type="checkbox"/> Contract	<input type="checkbox"/> County Force
Other	\$18	Design Category (1-7)	7	<input type="checkbox"/> State Force	<input type="checkbox"/> Other
Total CE and Construction:	\$228	Work Type Code (1-13)	5	<input type="checkbox"/> City Force	
Total Estimate:	\$ 300	Primary STIP Work Type:	5		
Recommended Let Date By Federal Fiscal Year (Quarter-Year):		1st-2006			
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	Bridge is a short span bridge (<20') and is load posted for less than legal loads at 20-31-40 tons. Some of the stringers are decayed and failing. Many trucks would use this route if it weren't for the restrictions on this bridge. Current detours are long and put trucks on narrow county roads.		
Structures (#)	1	1			
Signals (#)	0	0			
Bike Way (#)	0	0			
Average Daily Traffic	300				
Year of ADT	2003				
Throughway Y/N	Yes		Describe Proposed Solution: - Attach Sketch Map		
			Construct a new precast prestressed single span concrete girder bridge on the same alignment.		
Prepared By:	Date:	OTC Approval Date:	Program Year:	Funding Amount:	
X <i>Arvin Chubb</i>	10/15/03				



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Lost Creek Road Bridge No. 13791A

Region:
1

Area:
0

District:
2A

Project Justification

Weight restriction limits truck traffic going to Hwy 30. The bridge is showing its age as many structural members are failing. Currently, a temporary support is assisting with the load capacity of the bridge.

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:

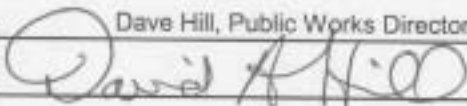
City of: _____

and/or Columbia _____ County

By: _____

By: Dave Hill, Public Works Director

By: _____

By: 

By: _____

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

Administrative Recommendation

Bridge Prospectus Cost Estimate

NBIS		Bridge No.	
Applicant:	Columbia County Road Depart	13791A	
Project /	Lost Creek Road Bridge No.	Region:	Area:
Section	13791A	1	0
			District: 2A
New Bridge / Roadway Configuration:		Existing Bridge:	
Left Side Rail	1.5 feet	Bridge Length	18 feet
Left Sidewalk	0 feet	Bridge Width	23 feet
Shoulder	3 feet	Area	414 square ft.
Lane 2	0 feet		
Lane 1	10 feet	New AC Top Width	29 feet
—CL—	0 feet	New AC Depth	4 inches
Lane 1	10 feet	New Base Depth	12 inches
Lane 2	0 feet	Project Length	140 feet
Shoulder	3 feet	Net Road Work Length	100 feet
Right Sidewalk	0 feet	X-S Side Slope	3:01
Right Side Rail	1.5 feet	AC Avg Width	30 feet
		Base Avg Width	32 feet
Bridge Length	40 feet	Asphalt Density	150 pounds/ cu ft
Bridge Width	29 feet	Base Density	120 pounds/ cu ft
New Area	1160 square ft.	New AC Required	75 tons
		New Base Required	192 tons
COST ESTIMATE:			
	Quantity	Unit	Price per unit
Right-of-Way	1	Acre	\$ 20,000
	==Roadway==		Cost (\$x1000s)
Clear & Grub	\$ 2,763	lump sum	\$3
General Excavation	30	cubic yards	\$ 12.00
Embankment in Place	10	cubic yards	\$ 12.00
Pavement Removal	4,200	square feet	\$ 0.45
Aggregate Base	192	tons	\$ 16.00
Asphalt Concrete	75	tons	\$ 56.00
Riprap	175	cubic yards	\$ 50.00
Guardrail, Type 2A	100	feet	\$ 11.50
Guardrail, Type 3	50	feet	\$ 38.00
Guardrail Trans	4	feet	\$ 1,600.00
Flared Terminals	4	each	\$ 1,600.00
		Subtotal Roadway	\$37
Structures	1,160	square feet	\$ 87.00
Signals	\$ -	lump sum	\$101
Illumination	\$ -	lump sum	\$0
Temporary Protection	\$ 3,448	lump sum	\$3
Remove Existing Bridge	\$ 414	square feet	7.25
Staged Construction	\$ -	lump sum	\$3
Mob & Erosion Ctrl	18,495	lump sum	\$0
		Subtotal Structures	\$126
		Subtotal Construction	\$163
	==Engineering==		
Construction Engineering	15	percent of construction	\$24
Contingency	25	percent of construction	\$41
		Subtotal Const. Eng.	\$65
Preliminary Engineering Consultant	30	percent of construction	\$49
State	-	percent of construction	\$0
County	2	percent of construction	\$3
		Subtotal PE	\$52
		Total Estimate	\$300

Bridge Project Prospectus Additional Bridge Information

Applicant: Columbia County Road Department		NBIS Bridge Number: 13791A						
Project Name / Section: Lost Creek Road Bridge No. 13791A		Region: 1	Area: 0	District: 2A				
Funding Preferred Source: <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR Acceptable Source: <input checked="" type="checkbox"/> OTIA III <input 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="0"/></td> <td><input style="width: 50px;" type="text" value="10"/></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="0"/>	<input style="width: 50px;" type="text" value="10"/>	Detour Detour Route: Length: <input style="width: 50px;" type="text" value="11"/> Map: (Please attach map)	
Existing	Proposed							
Truck AADT: <input style="width: 50px;" type="text" value="0"/>	<input style="width: 50px;" type="text" value="10"/>							
Regional Freight Corridor Analysis: Lost Creek Rd provides the best access to Hwy 30 for several square miles of timber land. The load posting on this bridge routes trucks onto detours that are out of the way or onto roads not built to sustain heavy truck loads.								
Special Consideration: Currently, the main detour for Lost Creek Rd is using Elk Creek Rd, to Old Rainier Rd to Hwy 30. If this bridge were replaced, trucks could have direct access to Hwy 30 instead of using this narrow county road.								

Bridge Project Prospectus

Required Data For Bridges Not Listed in the National Bridge Inventory System (NBIS) (Form Optional)

Applicant: Columbia County Road Department	Bridge Number: 13791A		
Project Name / Section: Lost Creek Road Bridge No. 13791A	Region: 1	Area: 0	District: 2A

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-95-001, December 1995.

Item 19	Detour Length	11
Item 26	Functional Classification	09
Item 28	A Lanes on Structure	0200
Item 32	Approach Roadway Width	021
Item 36	Traffic Safety Features	0000
Item 43	Structure Type, Main	702
Item 51	Bridge Roadway Width	0223
Item 53	Vertical Clearance over Deck	9999
Item 54	Underclearance	N0000
Item 55	Minimum Left	N0000
Item 56	Minimum Right	N0000
Item 100	Defense Highway Designation	0

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	5
Item 59	Superstructure Rating	4
Item 60	Substructure Rating	7
Item 62	Culverts	N
Item 67	Structural Evaluation	5
Item 68	Deck Geometry	4
Item 69	Under-Clearance	N
Item 71	Waterway Adequacy	7
Item 72	Approach Road Alignment	7

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	219
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OBEC CONSULTING ENGINEERS
EUGENE, OREGON
BRIDGE INSPECTION REPORT

BRIDGE NO. 13791A
Co. # 085

BRIDGE TYPE Timber on Gw. NAME Last Creek Bridge (STATE, FAS, FAU) OS HWY NO. C# 4105
CROSSING (OVER, UNDER) Last Creek COUNTY Columbia INSP. FREQ. 6 mo. MILE POST 1.35
DISTRICT OZA YEAR BUILT 1925? DATE 5/1/03 A.C. (in.) 3" INSPECTORS Gary Gilliam

AR - As Repaired
OM - Original Member

SUBSTRUCTURE (50)		Condition Rating		OBSERVATIONS		Condition Rating	
		AR	OM			AR	OM
1 END BENTS <i>Co. #</i> <i>Co. #</i>	Caps	/	/	1. Stringers <u>T.T.</u>		<u>6</u>	<u>4</u>
	Piles	/	/	2. Girder or Beams		/	/
	Footings	/	/	3. Floor beams		/	/
	Footing Piles	/	/	4 TRUSSES	Chords	/	/
	Backwalls, Bulkheads	/	<u>7</u>		Web Members	/	/
	Wings	/	<u>7</u>		Portals	/	/
			Bracing		/	/	
2 INTERIOR PIERS OR BENTS	Caps	/	/	5 Diaphragms, Bridging <u>2x4" d.t.</u>		/	<u>4</u>
	Columns, Posts	/	/	6 Bearing Devices		/	/
	Footings	/	/	7 Paint		/	/
	Footing Piles	/	/	8 Rivets or Bolts		/	/
	Piles	/	/	9 Welds		/	/
	Bracing	/	/	10 Collision Damage		/	/
3 Debris on Seats			<u>7</u>	11 Deflection under Load		/	/
4 Paint			/	12 Alignment of Members		/	/
5 Collision Damage			<u>B</u>	13 Vibrations under Load		/	/
6 Scour			<u>7</u>	14 Machinery (Movable Spans)		/	/
7 Settlement (Footing or Piling)			<u>B</u>	INSPECTOR'S CONDITION RATING (59)		<u>6.4</u>	
INSPECTOR'S CONDITION RATING (50)			<u>7</u>	CULVERTS & RETAIN. WALLS (62)			
CHANNEL & CHAN. PROTECT (61)				1. Barrel or Wall	Concrete	/	/
1 Channel Scour			<u>7</u>		Steel	/	/
2 Embankment Erosion			<u>B</u>	Timber	/	/	
3 Drift			<u>B</u>	2 Headwall & Parapet		/	/
4 Vegetation			<u>B</u>	3 Aprons		/	/
5 Channel Change			/	4 Wingwalls		/	/
6 Fender System			/	5 Adequacy		/	/
7 Spur Dikes & Jetties			/	6 Debris		/	/
8 Riprap			<u>B</u>	INSPECTOR'S CONDITION RATING (62)		/	/
9 Adequacy of Opening			<u>B</u>				
INSPECTOR'S CONDITION RATING (61)			<u>7</u>				
				SUPERSTRUCTURE (59)			
				1. Deck - Structural Condition <u>T.T.</u>			<u>5</u>
				2 Wearing Surface <u>ACWS</u>			<u>5</u>
				3 Deck Joints			/
				4 TRUSSES Felloe Guards <u>T.T.</u>			<u>8</u>
				5 Sidewalks			/
				6 Parapet, Concrete Barrier			/
				7 Railing, Posts <u>T.T.</u>			<u>8</u>
				8 Median Barrier, Railing			/
				9 Paint			/
				10 Drains			/
				11 Lighting Standards			/
				12 Utilities <u>Phone Rt</u>			<u>7</u>
				13 Vibrations in Deck			/
				INSPECTOR'S CONDITION RATING (58)			<u>5</u>
				APPROACH ALIGNMENT (65)			
				1. Pavement & Embankment			<u>6</u>
				2. Shoulder Embankment			<u>6</u>
				3. Relief Joints			/
				4. Approach Slab			/
				5. Guardrail			/
				INSPECTOR'S CONDITION RATING (65)			<u>6</u>
				SAFETY FEATURES (36)		<u>0</u>	<u>0</u>
				APPR. ALINE. (72)			<u>7</u>
				SIGNING			
				1. Posted Loading <u>10, 20, 31</u>			<u>8</u>
				2. Legibility			<u>8</u>
				3. Visibility			<u>7</u>
				<u>4 Z Boards</u>			<u>8</u>
				INSPECTOR'S CONDITION RATING			<u>7</u>

REMARKS (Key-in to item and number above)

REVIEW LOAD RATING

—

58-1: Ends of deck is soft, fungus growing on underside, & some full width decay esp. the 2 center of span planks.
58-2: AC not full to felloe guards, wide cracks @ joints of 5 deck planks & heavy leakage to deck & stringers.
59-1: Stringer #7 is totally decayed & failing @ Pt. #1. Steel beam & jack beneath is loose now. Rot in stringer has progressed beyond the end of the steel beam. Some other stringers checked & water stained.
59-5: The 2x4 bridging is coming loose & rifting & failing.
60-1: Wings & walls showing age & large rock visible. No cracks. Tops of wings deteriorated & crumbling & 2 are patched on top.
65-1: Appro. AC lumpy & settled @ end; Pt. #1 patched but dip is S.B. low of 3" leading up to deck.
69-2: Shlders overgrown w/ grass
69-2: Felloe is wider than old wings so there is 1' area of no deck & dangerous hole if vehicle gets off AC.

Gary A. Gilliam
SIGNATURE



Date 5/1/03
 Inspectors Gary Gilliam
 County Columbia
 Road No. C#4105

Bridge Name Lost Creek Bridge
 Bridge No. Co. #085 13791A

MAINTENANCE RECOMMENDATIONS

DECK (58) Seal cracks in AC RATING
Pave full width and thicker to cover the deck. 5

SUPERSTRUCTURE (59) Replace stringer #7 6/4
Replace the 2x4 stringer bridging.

SUBSTRUCTURE (60) Nothing 7

CHANNEL (61) Nothing 7

APPROACH CONDITION (65) Raise the grade and repave @ Bt.#1 6
to remove rolling effect in R/L lane.
Widen the shoulders.

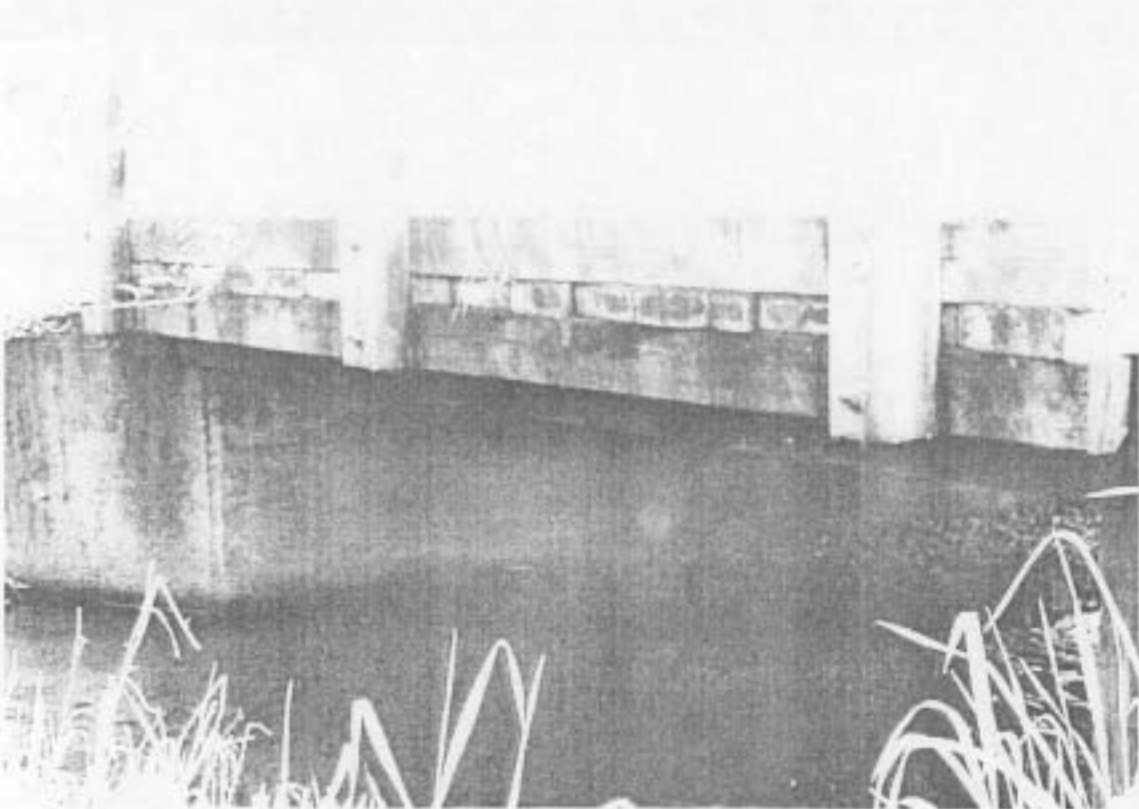
FOLLOW UP INSPECTIONS _____ GENERAL CONDITION 4

Gary A. Gilliam
 Signature

Bridge Name: Lost Cr. Br.
Bridge No.: 085 (St. #13791A)
Owner: Columbia County
Date: May 1, 2003



Looking ahead south.



Looking downstream at left side.

#85



Oregon Department of Transportation Technical Services Branch

Bridge Engineering Section
Local Agency Bridge Load Rating

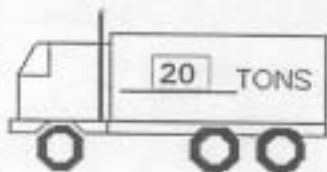
Local Agency: Columbia County

NBIS Bridge Number: 13791A

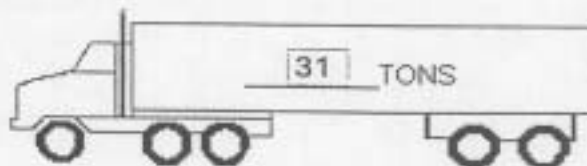
Date: 02/04/97

Truck	Inventory	Operating	Posting Required
HS Equivalent	HS 10.4	HS 15.0	N/A
HS 20 (36 Ton)	18.7 Tons	27.0 Tons	N/A
Type 3 (25 Ton)	16.0 Tons	22.7 Tons	YES
Type 3S2 (40 Ton)	25.6 Tons	36.4 Tons	YES
Type 3-3 (40 Ton)	28.8 Tons	40.8 Tons	NO
Permit 5 (60.25 Ton)	Tons	Tons	N/A
Permit 6 (75.25 Ton)	Tons	Tons	N/A
Permit 7 (92.5 Ton)	Tons	Tons	N/A

OREGON LEGAL LOADS RECOMMENDED POSTING



TYPE 3



TYPE 3S2

10 TON - H TRUCK

COMMENTS:
RATED FOR AS REPAIRED CONDITION
LEAVE CURRENT POSTING IN PLACE



Expiration Date 6/30/97

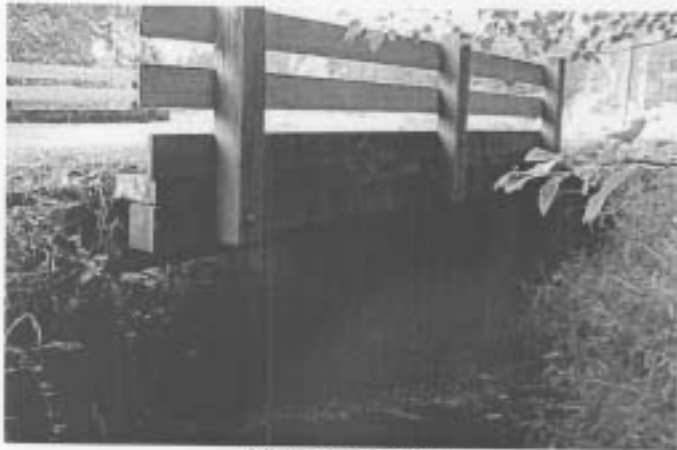
Lost Creek Rd 13794A



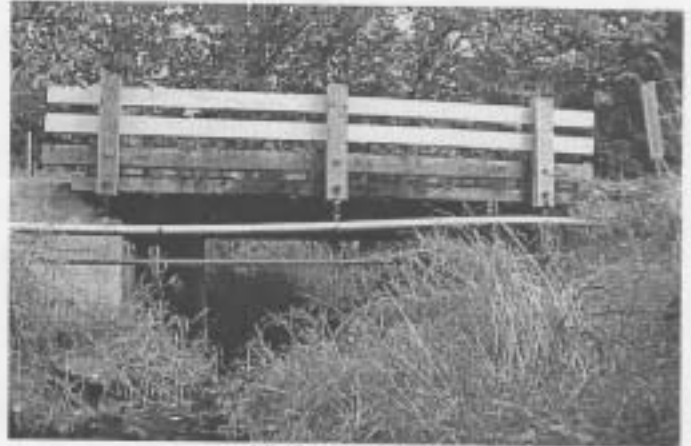
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