



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Section: Anliker Road Bridge No. 13626A		Key Number:		Jurisdiction:	
State Highway No.:		Highway Name:		Mile Point	
Region: 1		Area:		District: 2A	
From: 0.40		To:		Length: (mi) (km)	
<input type="checkbox"/> Urban	City:	MPO:	Within UGB <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	County: Columbia	Road/Street Name: Anliker Road (County Bridge No. 042)
<input checked="" type="checkbox"/> Rural					
Route No.:	NHS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HPMS:	FC: RMaC	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	\$50	Grading	Yes	Files (#)	4
Right Of Way	\$20	Paving	Yes	Hectares (#)	1
Utility Reimbursement	No	Structures	Yes	Relocations (#)	0
		Signing	No	Acquisitions (#)	4
Roadway	\$41	Signals	No	Easements (#)	0
Structures	\$115	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	\$6			Right of Way Descriptions (S.C.A)	Consultant
Const. Contingencies	\$50			Right Of Way Acquisitions (S.C.A)	Consultant
Const. Engineering	\$30	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	\$35	Design Category (1-7)	7	<input type="checkbox"/> State Force	<input type="checkbox"/> Other
Total CE and Construction:	\$280	Work Type Code (1-13)	5	<input type="checkbox"/> City Force	
Total Estimate:	\$ 350	Primary ST&P 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 22-35-38 tons. Many of the stringers are decayed and falling along with most of the deck planks. This route is classified as a rural major collector.		
Structures (#)	1	1			
Signals (#)	0	0			
Bike Way (#)	0	0			
Average Daily Traffic	150				
Year of ADT	2003				
Throughway Y/N	Yes		Describe Proposed Solution: - Attach Sketch Map		
			Replace bridge with a new single span precast prestressed concrete slab bridge and raise grade above high water flow condition.		
Prepared By:	Date:	OTC Approval Date:	Program Year:	Funding Amount:	
X <i>Sam Clodden</i>	10/15/03				



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Anliker Road Bridge No. 13626A

Region:  
1

Area:  
0

District:  
2A

## Project Justification

Weight restriction limits truck traffic using this road, classified as a rural major collector. The bridge is undersized in terms of length and width and is showing its age as many structural members are failing.

## 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 Columbia \_\_\_\_\_ County

By: \_\_\_\_\_ By: Dave Hill, Public Works Director

By: \_\_\_\_\_ By: *David Hill*

By: \_\_\_\_\_

Applicable Intergovernmental Agreements:

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

## Administrative Recommendation

## Bridge Prospectus Cost Estimate

Applicant:		NBIS		Bridge No.	
Project /		Columbia County Road Depart		13626A	
Section		Anliker Road Bridge No. 13626A		Region:	District:
		1	0	1	2A
<b>New Bridge / Roadway Configuration:</b>			<b>Existing Bridge:</b>		
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	12	feet	New AC Top Width	33	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	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	36	feet
Bridge Length	40	feet	Asphalt Density	150	pounds/ cu ft
Bridge Width	33	feet	Base Density	120	pounds/ cu ft
New Area	1320	square ft.	New AC Received	75	tons
			New Base Required	216	tons
<b>COST ESTIMATE:</b>					
	Quantity	Unit	Price	Cost ( \$x1000s)	
Right-of-Way	1	Acre	\$ 20,000	\$20	
==Roadway==					
Clear & Grub	\$ 3,000	lump sum		\$3	
General Excavation	-	cubic yards	\$ 12.00	\$0	
Embankment in Place	450	cubic yards	\$ 12.00	\$5	
Pavement Removal	-	square feet	\$ 0.45	\$0	
Aggregate Base	216	tons	\$ 16.00	\$3	
Asphalt Concrete	75	tons	\$ 56.00	\$4	
Riprap	175	cubic yards	\$ 50.00	\$9	
Guardrail, Type 2A	100	feet	\$ 11.50	\$1	
Guardrail, Type 3	50	feet	\$ 38.00	\$2	
Guardrail Trans	4	feet	\$ 1,600.00	\$6	
Flared Terminals	4	each	\$ 1,600.00	\$6	
Subtotal Roadway				\$41	
Structures	1,320	square feet	\$ 87.00	\$115	
Signals	\$ -	lump sum		\$0	
Illumination	\$ -	lump sum		\$0	
Temporary Protection	\$ 6,400	lump sum		\$6	
Remove Existing Bridge	\$ 414	square feet	7.25	\$3	
Staged Construction	\$ -	lump sum		\$0	
Mob & Erosion Ctrl	35,000	lump sum		\$35	
Subtotal Structures				\$159	
Subtotal Construction				\$200	
==Engineering==					
Construction Engineering	15	percent of construction		\$30	
Contingency	25	percent of construction		\$50	
Subtotal Const. Eng.				\$80	
Preliminary Engineering					
Consultant	23	percent of construction		\$46	
State	-	percent of construction		\$0	
County	2	percent of construction		\$4	
Subtotal PE				\$50	
<b>Total Estimate</b>				<b>\$350</b>	

## Bridge Project Prospectus Additional Bridge Information

Applicant: Columbia County Road Department		NBIS Bridge Number: 13626A	
Project Name / Section: Anliker Road Bridge No. 13626A		Region: 1	Area: 0
		District: 2A	
<b>Funding</b>  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	<b>Heavy Vehicle Usage</b> Existing      Proposed Truck AADT: <input type="text" value="0"/> <input type="text" value="7"/>  Fire Truck Usage: <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> No. Less than 25% of trips	<b>Detour</b>  Detour Route: Length: <input type="text" value="16.73"/> Map: (Please attach map)	

**Regional Freight Corridor Analysis:**

Anliker Rd is classified as a Rural Major Collector. Anliker road is lined with timber on both sides. The quickest way to Hwy 30 is taking Anliker to Nicolai road. If the bridge was replaced, this is the direction most of the log trucks would travel.

**Special Consideration:**

## 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: 13626A		
Project Name / Section: Anliker Road Bridge No. 13626A	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-96-001, December 1995.

Item 19	Detour Length	17
Item 26	Functional Classification	07
Item 28	A Lanes on Structure	0200
Item 32	Approach Roadway Width	027
Item 36	Traffic Safety Features	0000
Item 43	Structure Type, Main	702
Item 51	Bridge Roadway Width	0198
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	3
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	6
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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Date 4/30/03  
Inspectors Gary Gilliam  
County Columbia  
Road No. L# 2004

Bridge Name Antiker Rd Br  
Bridge No. Co. # 042 13626 A

MAINTENANCE RECOMMENDATIONS

DECK (58) Remove and replace the deck RATING 5  
Clear gravel off deck & consider AC overlay & paving  
50' of both approaches.

SUPERSTRUCTURE (59) Remove & replace rotten stringers (1 total) RATING 3

SUBSTRUCTURE (60) Repair scour along walkway/concrete. RATING 1

CHANNEL (61) Remove three leaning Maple trees. RATING 5

APPROACH CONDITION (65) Regrade approach to fill potholes. RATING 6

GENERAL CONDITION RATING 3

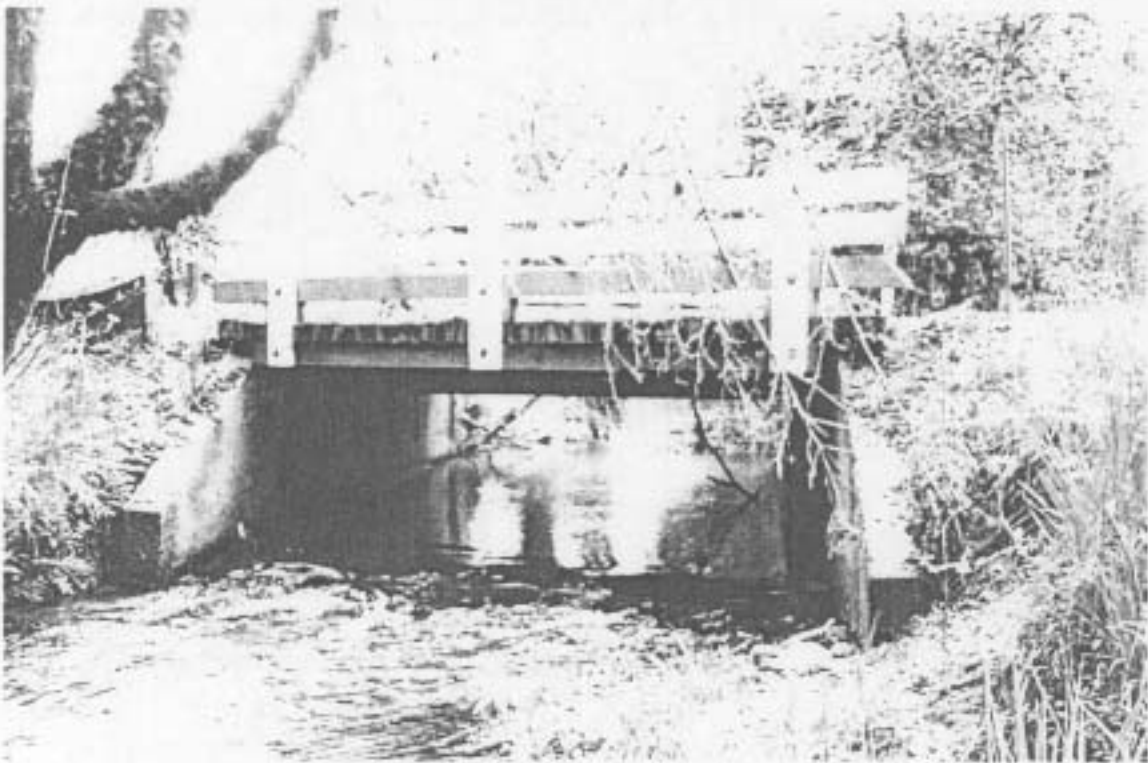
FOLLOW UP INSPECTIONS Check scour @ very low flow & probe for piling

Gary R. Gilliam  
Signature

Bridge Name: Anliker Rd. Br.  
Bridge No.: 042 (St. #13626A)  
Owner: Columbia County  
Date: April 30, 2003



Looking ahead west.



Looking upstream at left side.

#42



# Oregon Department of Transportation Technical Services Branch

Bridge Engineering Section  
Local Agency Bridge Load Rating

Local Agency: Columbia County

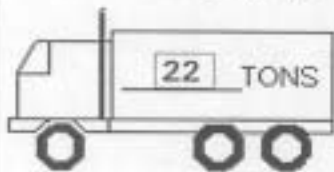
NBIS Bridge Number: 13626A

Date: 01/31/97

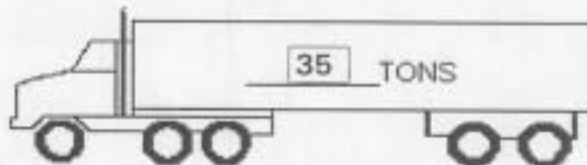
Truck	Inventory	Operating	Posting Required
HS Equivalent	HS 10.4	HS 14.6	N/A
HS 20 (36 Ton)	18.7 Tons	26.3 Tons	N/A
Type 3 (25 Ton)	15.5 Tons	22.0 Tons	YES
Type 3S2 (40 Ton)	24.8 Tons	35.2 Tons	YES
Type 3-3 (40 Ton)	27.6 Tons	38.8 Tons	YES
Permit 5 (60.25 Ton)	Tons	Tons	N/A
Permit 6 (75.25 Ton)	Tons	Tons	N/A
Permit 7 (92.5 Ton)	Tons	Tons	N/A

## OREGON LEGAL LOADS RECOMMENDED POSTING

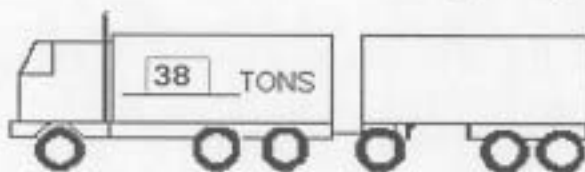
$H20 = 0.555(26.3) = 15$



TYPE 3



TYPE 3S2



TYPE 3-3

### COMMENTS:

Stringers 1,4,6,8, & 14 rotten at bents.



Expiration Date 6/30/97

# Anliker Rd 13626A



MVC-412F.JPG



MVC-411F.JPG



MVC-410F.JPG



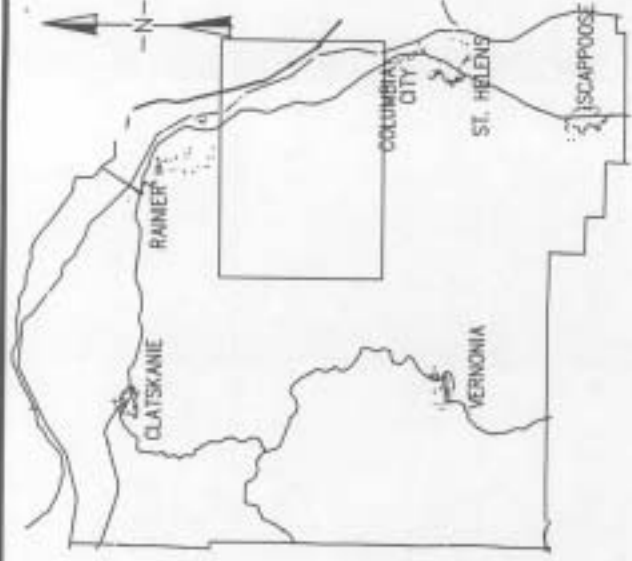
MVC-409F.JPG



MVC-408F.JPG

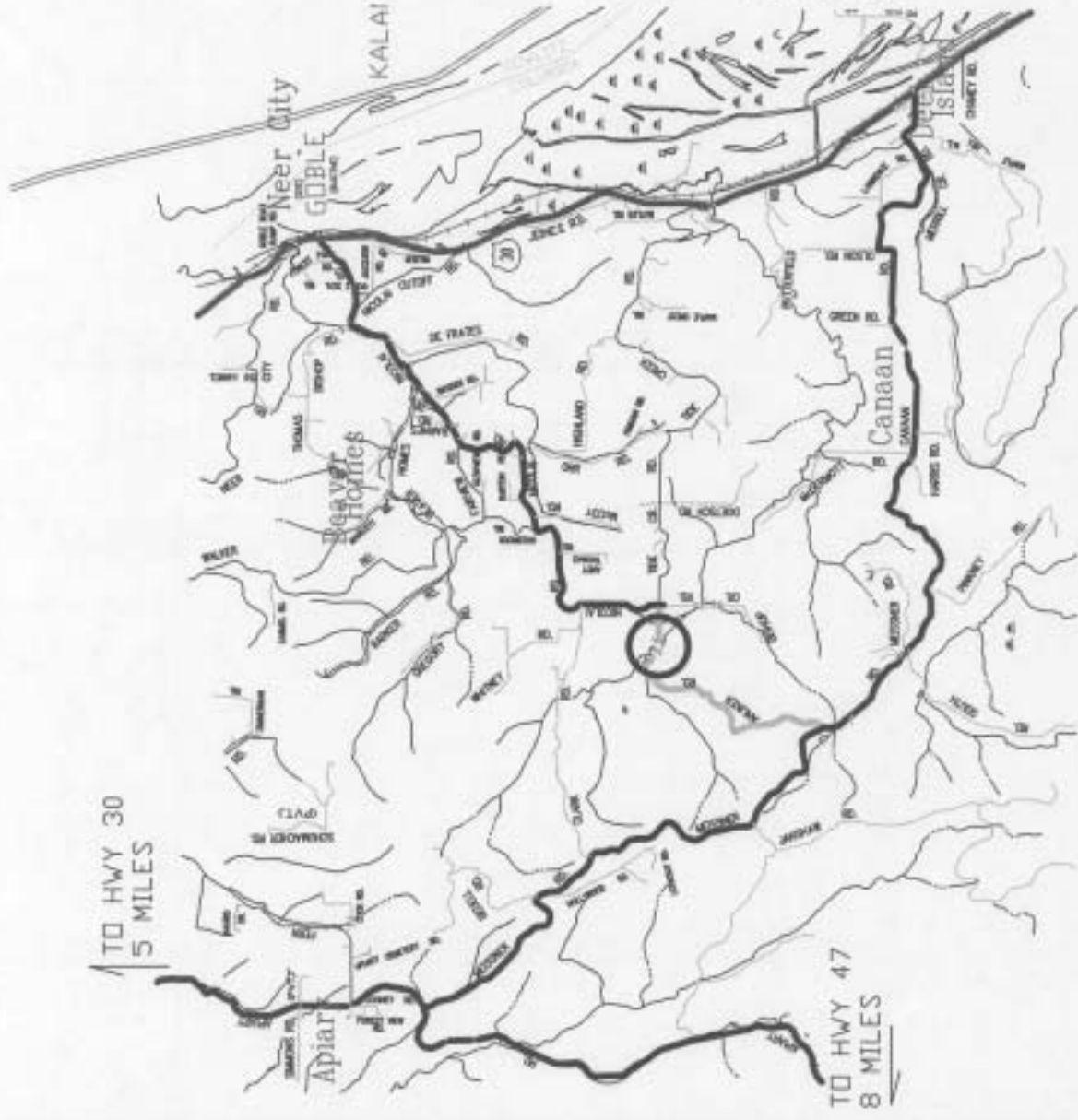


MVC-413F.JPG



DETOUR LENGTH: 17 MILES  
 ANLIKER RD TO MEISSNER TO CANAAN TO  
 HWY 30 TO TIDE CREEK TO ANLIKER.

FREIGHT ROUTES:  
 ANLIKER RD TO NICOLAI RD TO HWY 30  
 OR ANLIKER RD TO MEISSNER RD TO  
 CANAAN RD TO HWY 30  
 OR ANLIKER RD TO MEISSNER RD TO  
 APIARY RD TO HWY 30 / HWY 47



DATE: SEP 24, 2003  
 DRAWN BY: A. CLODFELTER  
 CHECKED BY: A. CLODFELTER

LOCATION MAP

BRIDGE 13626A

SHEET: 1/1