



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

										Key Number:		Jurisdiction:					
Section: NINEMILE SLOUGH (AIRPORT ROAD) BRIDGE # 25A56										Region: 5		Area: SEACT AREA		District: 14			
AS Highway Name:										Mile Point		Length: (mi) (km)					
										From: 0.81 To: 0.86		.05					
<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural										City:		MPO:		Within <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		County: HARNEY	
Route No.:										NHS: <input type="checkbox"/> YES <input type="checkbox"/> NO		HPMS:		FC: 08		Applicant (if other than State): HARNEY COUNTY	
US Congressional District: 2										State Senate District: 30		State Representative District: 60					
Cost Estimates ( x \$ 1,000)										Project Components				Right Of Way			
Preliminary Engineering \$85										Grading		X		Files (#) 2			
Right Of Way \$15										Paving		X		Acres (#) 1			
Utility Reimbursement										Structures		X		Relocations (#)			
										Signing				Acquisitions (#)			
Roadway \$51										Signals				Easements (#)			
Structures \$153										Illumination				Work By: State / Consultant / Applicant			
Signals \$0														Preliminary Engineering (S,C,A) C			
Illumination \$0														Construction Engineering (S,C,A) C			
Temp. Protection \$10														Right of Way Descriptions (S,C,A) C			
Const. Contingencies \$44														Right Of Way Acquisitions (S,C,A) C			
Const. Engineering \$39										Project Categories				Constructed By			
Remove Exist Bridge \$14										Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract <input type="checkbox"/> County Force			
Other \$17										Design Category (1-7)		7		<input type="checkbox"/> State Force <input type="checkbox"/> City Force <input checked="" type="checkbox"/> Other <b>CONSULTANT</b>			
Total CE and Construction: \$328										Work Type Code (1-13)		5					
Total Estimate: \$ 408										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		Ninemile Slough (Airport Rd.) Bridge #25A56 has a sufficiency rating of 58.6 and is structurally deficient. Bridge inspection reports indicate that severe splits and rot are occurring in the timber piles/bents. Further inspection has found that red ants have infested the west abutment of the bridge. Bridge is posted 28 tons. These factors, combined with the narrow width, make this bridge undesirable and unsafe for farm truck traffic.			
Structures (#)										1		1					
Signals (#)										0		0					
Bike Way (#)										N		N					
Average Daily Traffic										170		242					
Year of ADT										1999		2020					
Throughway Y/N																	
														Describe Proposed Solution: - Attach Sketch Map			
														Replace with a 40 foot single span X 32 foot wide prestressed slab structure and install guardrail to meet standards. Widen approaches in order to accommodate a 32 foot wide structure.			
Prepared By: X										Date:		OTC Approval Date:		Program Year: Funding Amount:			



# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: NINEMILE SLOUGH (AIRPORT ROAD) BRIDGE # 25A56

Region:  
5

Area:  
SEACT AREA

District:  
14

## Project Justification

This timber structure originally was constructed in 1973 and serves as a link between agricultural ground and US 395 (State Highway 48/State Highway 7) and Oregon Route 78 (State Highway 442). Bridge inspection reports indicate that severe splits and rot are occurring in the timber piles/bents. Reports also indicate that a stringer has failed, while other stringers are exhibiting longitudinal splits. Further inspection has found that red ants have infested the west abutment of the bridge. Bridge is Posted for 24 tons. These factors, combined with the narrow width, make this bridge undesirable and unsafe for farm truck traffic. Due to the aforementioned conditions, Harney County has requested the Ninemile Slough (Airport Rd.) Bridge #25A56 be submitted for replacement under the OTIA III Program. This project is consistent with the Department of Transportation's and Harney County's goal of replacing or rehabilitating deficient structures.

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Ninemile Slough (Airport Rd.) Bridge #25A56 is located within Section 11, T23S, R31E, W.M.

## 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 \_\_\_\_\_ HARNEY County

By: \_\_\_\_\_ By: KERRY LANDERS, ROADMASTER

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

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

Applicable Intergovernmental Agreements:

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

## Administrative Recommendation

## Bridge Prospectus Cost Estimate

Applicant: Project / Section	HARNEY COUNTY NINEMILE SLOUGH (AIRPORT ROAD) BRIDGE #	NBIS Bridge No.  Region: 5	Area: SEACT AREA	District: 14
<b>New Bridge / Roadway Configuration:</b>		<b>Existing Bridge:</b>		
Left Side Rail	40 feet	Bridge Length	32 feet	
Left Sidewalk	feet	Bridge Width	30 feet	
Shoulder	4 feet	Area	960 square ft.	
Lane 2	feet	New AC Top Width	32 feet	
Lane 1	12 feet	New AC Depth	4 inches	
---CL---	feet	New Base Depth	12 inches	
Lane 1	12 feet	Project Length	340 feet	
Lane 2	feet	Net Road Work Length	300 feet	
Shoulder	4 feet	X-S Side Slope	1:3	
Right Sidewalk	feet	AC Avg Width	32 feet	
Right Side Rail	40 feet	Base Avg Width	32 feet	
Bridge Length	40 feet	Asphalt Density	140.63 pounds/ cu ft	
Bridge Width	32 feet	Base Density	147.5 pounds/ cu ft	
New Area	1280 square ft.	New AC Received	240 tons	
		New Base Required	704 tons	
<b>COST ESTIMATE:</b>				
	Quantity	Unit	Price per unit	Cost ( \$x1000s)
Right-of-Way	1.00	Acre	\$ 15,000	\$15
==Roadway==				
Clear & Grub	\$ 4,000	lump sum		\$4
Erosion Control	\$ 1,000	lump sum		\$1
General Excavation	100	cubic yards	\$ 10.00	\$1
Embankment in Place	200	cubic yards	\$ 20.00	\$4
Pavement Removal		square feet	\$ 9.00	\$0
Aggregate Base	704	tons	\$ 11.00	\$8
Asphalt Concrete	240	tons	\$ 36.00	\$9
Curb		feet		\$0
Sidewalk		feet		\$0
Riprap	100	cubic yards	\$ 52.00	\$5
Guardrail, Type 2A	150	feet	\$ 20.00	\$3
Guardrail, Type 3	50	feet	\$ 40.00	\$2
Guardrail Trans	4	each	\$ 1,700.00	\$7
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Flared Terminals	4	each	\$ 1,800.00	\$7
<b>Subtotal Roadway</b>				<b>\$51</b>
Structures	1,280	square feet	\$ 90.00	\$115
Bridge Rail	80	feet	\$ 95.00	\$8
Remove Existing Bridge	960	square feet	\$ 15.00	\$14
Other		specify unit		\$0
Other		specify unit		\$0
Detour	\$ 20,000	lump sum		\$20
Const. Survey Work	\$ 10,000	lump sum		\$10
<b>Subtotal Structures</b>				<b>\$167</b>

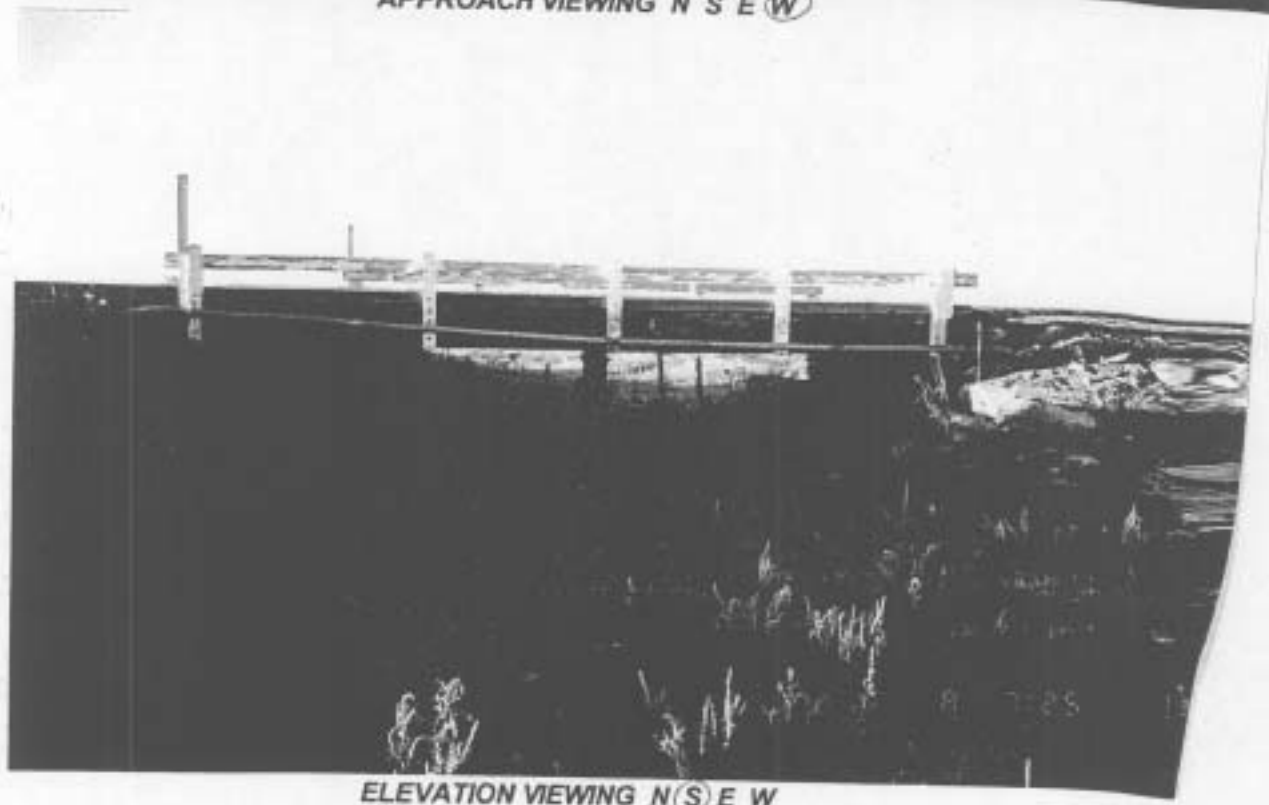
## Bridge Prospectus Cost Estimate

Applicant: Project / Section	HARNEY COUNTY NINEMILE SLOUGH (AIRPORT ROAD) BRIDGE #	NBIS Bridge No.  Region: 5	Area: SEACT AREA	District: 14
Mobilization	8	percent of (Roadway + Structure)		\$17
Signals		lump sum		\$0
Illumination		lump sum		\$0
Temporary Protection	\$ 10,000	lump sum		\$10
Detour Route		feet		\$0
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Mobilization & Traffic				\$27
Subtotal Construction				\$245
==Engineering==				
Construction Engineering	18	percent of (Roadway + Structure)		\$39
Contingency	20	percent of (Roadway + Structure)		\$44
Subtotal Const. Eng.				\$83
Preliminary Engineering				
Consultant	28	percent of (Roadway + Structure)		\$61
State		percent of (Roadway + Structure)		\$0
County	2	percent of (Roadway + Structure)		\$4
Subtotal PE				\$65
<b>Total Estimate</b>				<b>\$408</b>





APPROACH VIEWING N S E W



ELEVATION VIEWING N S E W

BRIDGE NAME :	C.115 Airport Rd.
BRIDGE NO. :	25A56
DATE :	9-30-96



**ANDERSON ENGINEERING AND SURVEYING, INC.**  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS

HC 64 Box 24, Lakeview, Oregon 97630  
(541) 947-4407 Fax (541) 947-2321

539 SW 7th Street, Redmond, Oregon 97756  
(541) 923-4307 Fax (541) 923-4308



# Oregon Department of Transportation

## Highway Division

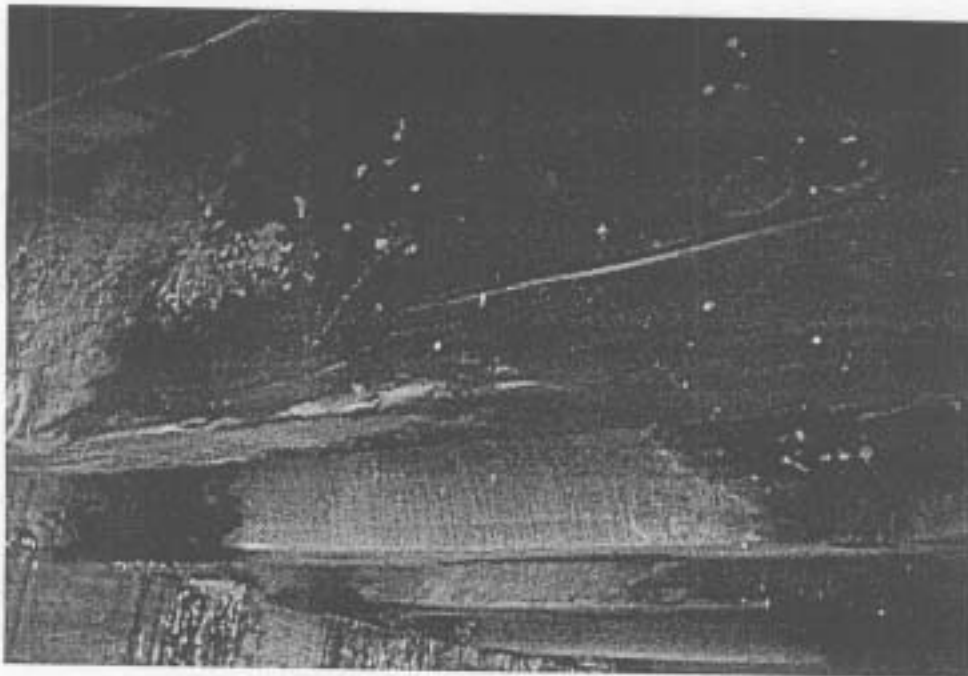
### Bridge Operations Section

#### Local Agency Bridge Photos

Bridge No. 25A56

Harney County

Date : September 1998

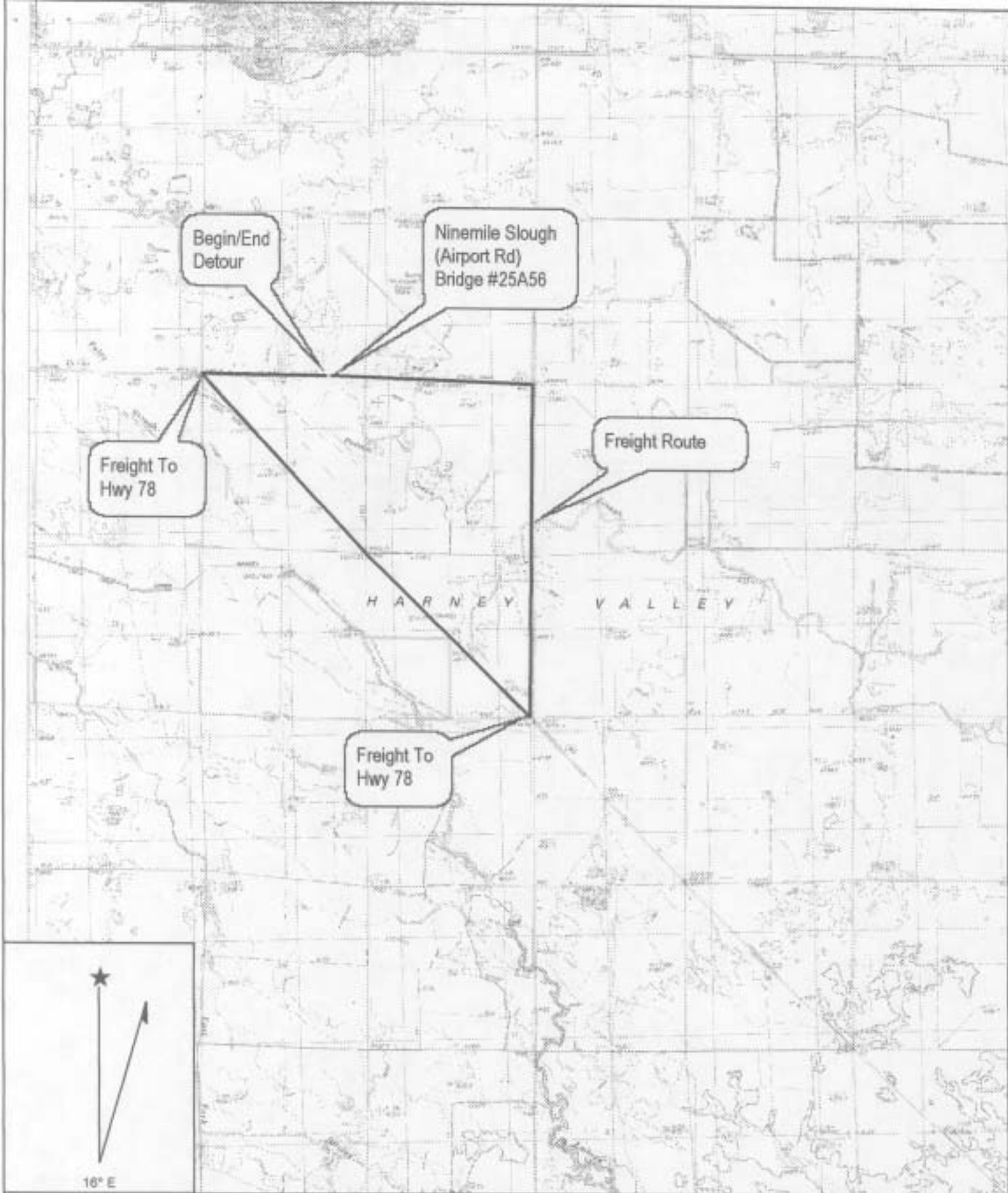


Failed Stringer



Anderson Engineering & Surveying, Inc.  
P.O. Box 28  
HC 64 Box 24  
Lakeview, Oregon 97630

P.O. Box 419  
1516 Highland  
Redmond, Oregon 97756



Name: POISON CREEK SLOUGH  
Date: 10/12/2003  
Scale: 1 inch equals 4000 feet

Location: 043° 33' 57.90" N 118° 56' 34.62" W