# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

| | | | | | |
|---|---|---|---|---|---|
| Key Number: | | Jurisdiction: | | | |
| Section: POISON SLOUGH ( COUNTY RD 114) BRIDGE # 25A58 | | | Region: 5 | Area: SEACT AREA | District: 14 |
| AB | Highway Name: | | Mile Point From: 2.91 | To: 2.96 | Length: (mi) (km) .05 |
| ☐ Urban ☑ Rural | City: | MPO: Within UGB ☐ Yes ☐ No | County: HARNEY | ROAD/STREET NAME CR 114 | |
| Route No.: | NHS ☐ YES ☐ 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 | | $62 | Grading | X | Files (#) | 2 |
| Right Of Way | | $15 | Paving | X | Acres (#) | 1 |
| Utility Reimbursement | | | Structures | X | Relocations (#) | |
| | | | Signing | | Acquisitions (#) | |
| Roadway | $51 | | Signals | | Easements (#) | |
| Structures | $148 | | 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 | $42 | | | | Right Of Way Acquisitions (S,C,A) | C |
| Const. Engineering | $37 | | Project Categories | | Constructed By | |
| Remove Exist Bridge | $9 | | Environmental Class (1, 2, 3, PCE) | 2 | ☑ Contract | ☐ County Force |
| Other | $17 | | Design Category (1-7) | 7 | ☐ State Force | ☑ Other |
| Total CE and Construction: | | $313 | Work Type Code (1-13) | 5 | ☐ City Force | CONSULTANT |
| Total Estimate: | | $ 391 | 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 |
|---|---|---|
| Travel Lanes (#) | 2 | 2 |
| Structures (#) | 1 | 1 |
| Signals (#) | 0 | 0 |
| Bike Way (#) | N | N |
| Average Daily Traffic | 170 | 227 |
| Year of ADT | 2001 | 2021 |
| Throughway Y/N | | |

**Define The Problem:**

The existing structure is structurally deficient with a sufficiency rating of 53.1. Bridge is posted for 22 tons. The width of the bridge is substandard

**Describe Proposed Solution: - Attach Sketch Map**

Replace with a 45 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: | Date: | OTC Approval Date: | Program Year: | Funding Amount: |
|---|---|---|---|---|
| X | | | | |

# PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

| Key Number: | Jurisdiction: |
|---|---|
| | |

| Section: | Region: | Area: | District: |
|---|---|---|---|
| POISON SLOUGH ( COUNTY RD 114) BRIDGE # 25A58 | 5 | SEACT AREA | 14 |

## Project Justification

This timber structure originally was constructed in 1973 and serves as an important route for agricultural, recreational, and forest traffic. Bridge inspection reports indicate that Pile split on bent 2. Reports also indicate that there is settlement at the abutments. Bridge is posted for 22 tons. These factors combined with the narrow width make it undesirable and unsafe for two-way traffic. Due to these conditions, Harney County has requested that Poison Slough (County Road 114) Bridge #25A58 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.

Poison Slough (County Rd. 114) Bridge # 25A58 is located in Sec 18, T23S, R32E, W.M.

## 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 HARNEY County

By: _____ By: KERRY LANDERS, ROADMASTER

By: _____ By: _____

By: _____

**Applicable Intergovernmental Agreements:**

| IGA Number: | Jurisdiction Name: | Agreement Date: |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

## Administrative Recommendation

# Bridge Prospectus Cost Estimate

| | | | | | |
|---|---|---|---|---|---|
| Applicant: | HARNEY COUNTY | | NBIS Bridge No. | | |
| Project / Section | POISON SLOUGH ( COUNTY RD 114) BRIDGE # 25A58 | | Region: 5 | Area: NEACT AREA | District: 14 |

| New Bridge / Roadway Configuration: | | | Existing Bridge: | | |
|---|---|---|---|---|---|
| Left Side Rail | 45 | feet | Bridge Length | 25 | feet |
| Left Sidewalk | | feet | Bridge Width | 24 | feet |
| Shoulder | 4 | feet | Area | 600 | square ft. |
| Lane 2 | | feet | | | |
| Lane 1 | 12 | feet | New AC Top Width | 32 | feet |
| ---CL--- | | feet | New AC Depth | 4 | inches |
| Lane 1 | 12 | feet | New Base Depth | 12 | inches |
| Lane 2 | | feet | Project Length | 345 | feet |
| Shoulder | 4 | feet | Net Road Work Length | 300 | feet |
| Right Sidewalk | | feet | X-S Side Slope | 1:3 | |
| Right Side Rail | 45 | feet | AC Avg Width | 32 | feet |
| | | | Base Avg Width | 32 | feet |
| Bridge Length | 45 | feet | Asphalt Density | 140.63 | pounds/ cu ft |
| Bridge Width | 32 | feet | Base Density | 147.5 | pounds/ cu ft |
| New Area | 1440 | square ft. | New AC Received | 240 | tons |
| | | | New Base Required | 704 | tons |

| COST ESTIMATE: | 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 |
| | | | Subtotal Roadway | $51 |
| Structures | 1,440 | square feet | $ 90.00 | $130 |
| Bridge Rail | 90 | feet | $ 95.00 | $9 |
| Remove Existing Bridge | 600 | square feet | $ 15.00 | $9 |
| Other | | specify unit | | $0 |
| Other | | specify unit | | $0 |
| Detour | | lump sum | | $0 |
| Const. Survey Work | $ 10,000 | lump sum | | $10 |
| | | | Subtotal Structures | $157 |

# Bridge Prospectus Cost Estimate

| | | | | | |
|---|---|---|---|---|---|
| Applicant: | HARNEY COUNTY | | NBIS Bridge No. | | |
| Project / Section | POISON SLOUGH ( COUNTY RD 114) BRIDGE # 25A58 | | Region: 5 | Area: NEACT 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 | | $234 |
| | ==Engineering== | | | | |
| Construction Engineering | 18 | percent of (Roadway + Structure) | | | $37 |
| Contingency | 20 | percent of (Roadway + Structure) | | | $42 |
| | | | Subtotal Const. Eng. | | $79 |
| Preliminary Engineering | | | | | |
| Consultant | 28 | percent of (Roadway + Structure) | | | $58 |
| State | | percent of (Roadway + Structure) | | | $0 |
| County | 2 | percent of (Roadway + Structure) | | | $4 |
| | | | Subtotal PE | | $62 |
| | | | Total Estimate | | $391 |

# Bridge Project Prospectus
## Additional Bridge Information

| | | | |
|---|---|---|---|
| Applicant: HARNEY COUNTY | | NBIS Bridge Number: 0 | |
| Project Name / Section: POISON SLOUGH ( COUNTY RD 114) BRIDGE # 25A58 | Region: 5 | Area: SEACT AREA | District: 14 |

**Funding**

Preferred Source:

- [x] OTIA III
- [ ] Federal HBRR

Acceptable Source:

- [x] OTIA III
- [x] Federal HBRR

**Heavy Vehicle Usage**

| | Existing | Proposed |
|---|---|---|
| Truck AADT: | 9 | 11 |

Fire Truck Usage:

- [ ] YES, at least 25% of trips use bridge.
- [x] No. Less than 25% of trips

**Detour**

Detour Route:

Length: 8

Map: (Please attach map)

**Regional Freight Corridor Analysis:**

No posted bridges on detour or freight corridor. SEE DETOUR/CORRIDOR MAP

**Special Consideration:**

BRIDGE PHOTOS

APPROACH VIEWING N S E W

ELEVATION VIEWING N S E W

**ANDERSON ENGINEERING & SURVEYING**
P.O. BOX 28
LAKEVIEW, OR 97630
(503) 947-4407

P.O. BOX 419
REDMOND, OR 07756
(503) 923-4307

COUNTY HARNEY
CO. BRIDGE # 25A58
AES REF # 75

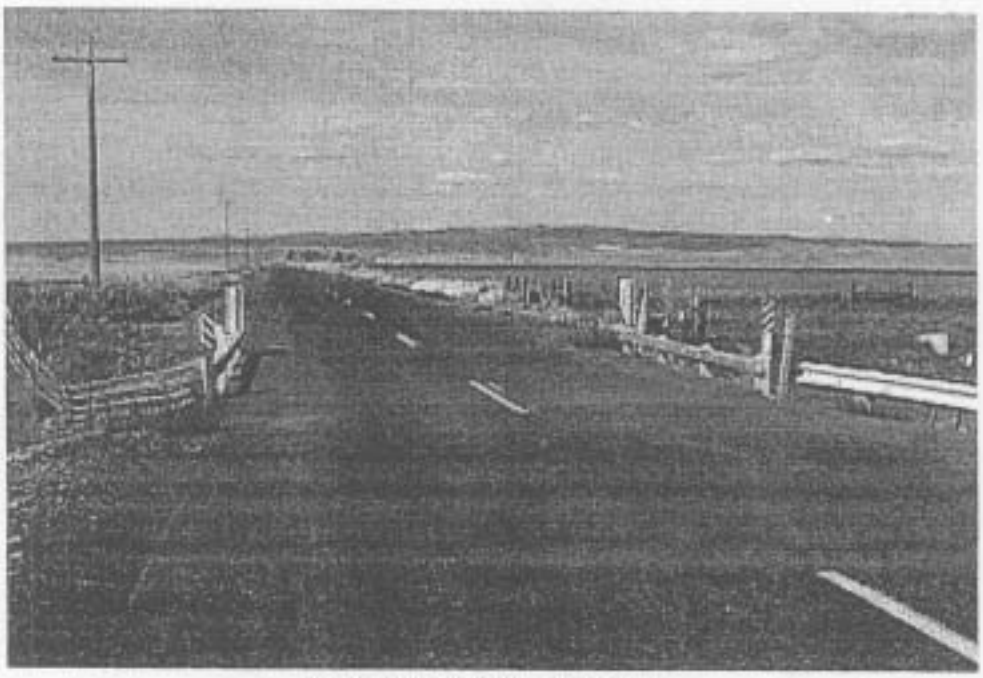
# Oregon Department of Transportation

## Highway Division

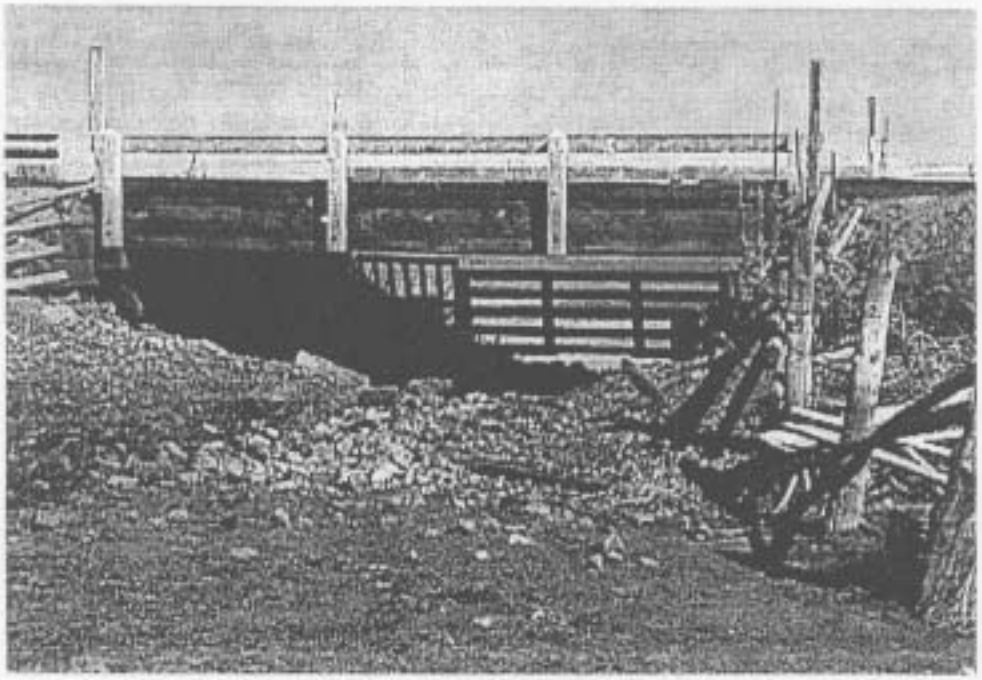
Bridge Operations Section

Local Agency Bridge Photos

Bridge No. 25A58
Harney County
Date : September 1998



**Approach Viewing North**

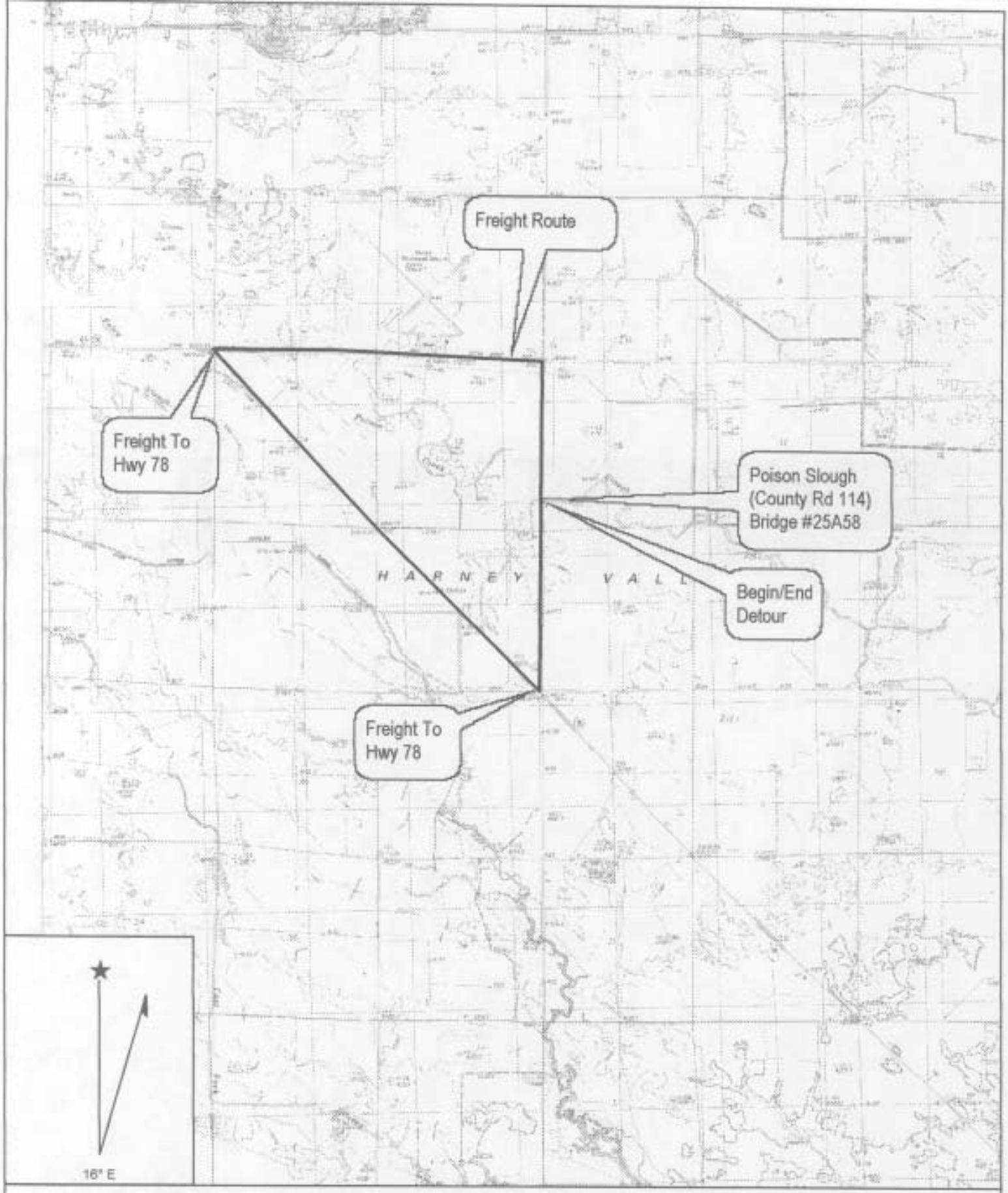


**Elevation Viewing East**


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' 50.94" N 118° 56' 39.79" W

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