# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

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

Section: JOHN DAY RIVER (MORGAN RD.) BRIDGE # 23C571

| Region: | Area: | District: |
|---|---|---|
| 5 | SEACT AREA | 14 |

State Highway No.:

Highway Name:

Mile Point: From: 0.30 To: 0.35

Length: (mi) 0.09 (km)

☐ Urban ☑ Rural

City:

MPO:

Within UGB: ☐ Yes ☐ No

County: Grant

MORGAN ROAD - COUNTY ROAD # 57

Route No.:

NHS: ☐ YES ☐ NO

HPMS:

FC: 09

Applicant (If other than State): Grant County

| US Congressional District: | State Senate District: | State Representative District: |
|---|---|---|
| 2 | 30 | 59 |

## Cost Estimates ( x $ 1,000)

| | | |
|---|---|---|
| Preliminary Engineering | | $125 |
| Right Of Way | | $15 |
| Utility Reimbursement | | |
| | | |
| Roadway | $72 | |
| Structures | $323 | |
| Signals | $0 | |
| Illumination | $0 | |
| Temp. Protection | $10 | |
| Const. Contingencies | $83 | |
| Const. Engineering | $75 | |
| Remove Exist Bridge | $20 | |
| Other | $33 | |
| Total CE and Construction: | | $616 |
| Total Estimate: | | $ 756 |

## Project Components

| | |
|---|---|
| Grading | X |
| Paving | X |
| Structures | X |
| Signing | |
| Signals | |
| Illumination | |
| | |
| | |
| | |
| | |

## Project Categories

| | | |
|---|---|---|
| Environmental Class | (1, 2, 3, PCE) | 2 |
| Design Category | (1-7) | 7 |
| Work Type Code | (1-13) | 5 |
| Primary STIP Work Type: | | |

Recommended Let Date By Federal Fiscal Year (Quarter-Year):

## Right Of Way

| | | |
|---|---|---|
| Files | (#) | 2 |
| Acres | (#) | 1 |
| Relocations | (#) | |
| Acquisitions | (#) | |
| Easements | (#) | |

Work By: State / Consultant / Applicant

| | | |
|---|---|---|
| Preliminary Engineering | (S,C,A) | C |
| Construction Engineering | (S,C,A) | C |
| Right of Way Descriptions | (S,C,A) | C |
| Right Of Way Acquisitions | (S,C,A) | C |

## Constructed By

☑ Contract ☐ County Force

☐ State Force ☑ Other

☐ City Force CONSULTANT

| 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 | 19 | 22 |
| Year of ADT | 2000 | 2020 |
| Throughway Y/N | N | N |
| | | |
| | | |
| | | |
| | | |
| | | |

Define The Problem:

John Day River (Morgan Rd.) Bridge #23C571 has a sufficiency rating of 54.5 and is structurally deficient. Inspection reports document severe spalling on concrete deck with exposed rebar, and scour problems around bent footings. The bridge rail and guard rail are substandard. The combination of these conditions makes this bridge undesirable and unsafe for agricultural and recreational use.

Describe Proposed Solution: - Attach Sketch Map

Proposed improvement is to replace the existing bridge with a 74' x 32' precast, prestressed structure and install guard rail to bring the bridge up to standards.

| 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: |
|---|---|---|---|
| JOHN DAY RIVER (MORGAN RD.) BRIDGE # 23C571 | 5 | SEACT AREA | 14 |

## Project Justification

This concrete structure was originally built in 1899 and reconstructed in 1982 and is located on a rural major collector route as well as being an agricultural and recreational route. Bridge inspection reports document severe spalling on deck with exposed rebar, and scour problems around bent footings. The bridge rail and guard rail are substandard as well. The combination of these conditions make this bridge undesirable and unsafe for agricultural and recreational use.

Due to the aforementioned conditions and that this bridge on a dead end route, Grant County has requested the John Day R(Morgan Rd.) Bridge #23C571 be submitted for replacement under the OTIA III and/or HBRR Program. This project is consistent with the Department of Transportation's and Grant County's goal of replacing deficient structures.

John Day River (Morgan Rd.) Bridge #23C571 is located within the ???, 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 | GRANT County |
| By: | | By: | MARK HENSLEY, ROADMASTER |
| By: | | By: | |
| | | By: | |

Applicable Intergovernmental Agreements:

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

## Administrative Recommendation

# Bridge Prospectus Cost Estimate

| | | NBIS Bridge No. | | |
|---|---|---|---|---|
| Applicant: | Grant County | | | |
| Project / Section | JOHN DAY RIVER (MORGAN RD.) BRIDGE # 23C571 | Region: 5 | Area: SEACT AREA | District: 14 |

| New Bridge / Roadway Configuration: | | | Existing Bridge: | | |
|---|---|---|---|---|---|
| Left Side Rail | 74 | feet | Bridge Length | 74 | feet |
| Left Sidewalk | | feet | Bridge Width | 18.4 | feet |
| Shoulder | | feet | Area | 1361.6 | 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 | 374 | feet |
| Shoulder | | feet | Net Road Work Length | 300 | feet |
| Right Sidewalk | | feet | X-S Side Slope | 1:3 | |
| Right Side Rail | 74 | feet | AC Avg Width | 32 | feet |
| | | | Base Avg Width | 32 | feet |
| Bridge Length | 74 | feet | Asphalt Density | 140.63 | pounds/ cu ft |
| Bridge Width | 32 | feet | Base Density | 147.5 | pounds/ cu ft |
| New Area | 2368 | 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 | 200 | cubic yards | $ 10.00 | $2 |
| Embankment in Place | 400 | cubic yards | $ 20.00 | $8 |
| Pavement Removal | 800 | square feet | $ 9.00 | $7 |
| Aggregate Base | 704 | tons | $ 11.00 | $8 |
| Asphalt Concrete | 240 | tons | $ 36.00 | $9 |
| Curb | | feet | | $0 |
| Sidewalk | | feet | | $0 |
| Riprap | 300 | cubic yards | $ 52.00 | $16 |
| Guardrail, Type 2A | 100 | feet | $ 20.00 | $2 |
| 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 | $72 |
| Structures | 2,368 | square feet | $ 115.00 | $272 |
| Bridge Rail | 214 | feet | $ 95.00 | $20 |
| Remove Existing Bridge | 1,362 | square feet | $ 15.00 | $20 |
| Other | | specify unit | | $0 |
| Other | | specify unit | | $0 |
| Detour | $ 20,000 | lump sum | | $20 |
| Const. Survey Work | $ 10,000 | lump sum | | $10 |
| | | | Subtotal Structures | $343 |

# Bridge Prospectus Cost Estimate

| | | | | | |
|---|---|---|---|---|---|
| Applicant: | Grant County | | NBIS Bridge No. | | |
| Project / Section | JOHN DAY RIVER (MORGAN RD.) BRIDGE # 23C571 | | Region: 5 | Area: SEACT AREA | District: 14 |
| Mobilization | 8 | percent of (Roadway + Structure) | | | $33 |
| 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 | | $43 |
| | | | Subtotal Construction | | $458 |
| | ==Engineering== | | | | |
| Construction Engineering | 18 | percent of (Roadway + Structure) | | | $75 |
| Contingency | 20 | percent of (Roadway + Structure) | | | $83 |
| | | | Subtotal Const. Eng. | | $158 |
| Preliminary Engineering | | | | | |
| Consultant | 28 | percent of (Roadway + Structure) | | | $116 |
| State | | percent of (Roadway + Structure) | | | $0 |
| County | 2 | percent of (Roadway + Structure) | | | $8 |
| | | | Subtotal PE | | $125 |
| | | | Total Estimate | | $756 |

# Bridge Project Prospectus
## Additional Bridge Information

| Applicant: Grant County | | NBIS Bridge Number: 0 | |
|---|---|---|---|
| Project Name / Section: JOHN DAY RIVER (MORGAN RD.) BRIDGE # 23C571 | 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: | 1 | 1 |

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

**Detour**

Detour Route:
Length: Dead End
Map: (Please attach map)

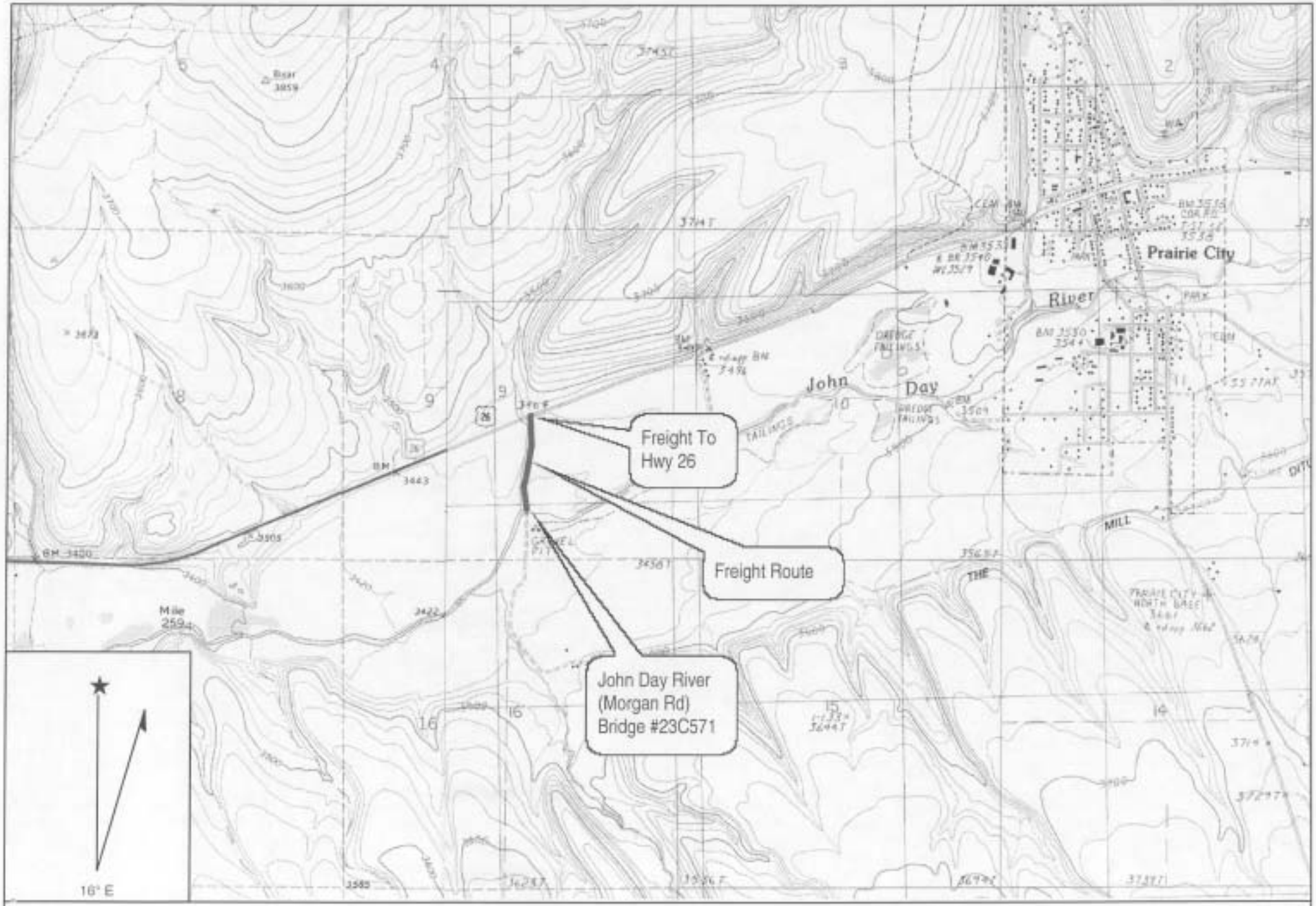
**Regional Freight Corridor Analysis:**

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

**Special Consideration:**

23C571
Morgan Bridge

exposed rebar
top of deck




Name: PRAIRIE CITY
Date: 10/10/2003
Scale: 1 inch equals 2000 feet

Location: 044° 27' 04.17" N 118° 44' 12.43" W