



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number:

Jurisdiction:

Section: VALE MAIN CANAL (HARPER-WESTFALL) BRIDGE #08754

Region: 5

Area: SEACT AREA

District: 14

State Highway No.:

Highway Name:

Mile Point

From: 8.32 To: 8.37

Length: (mi) (km)

0.05

Urban  
 Rural

City:

MPO:

Within UGB  Yes  No

County:

Malheur

Road/Street Name:

Harper-Westfall C805

Route No.:

NHS

YES  NO

HPMS:

FC:

07

Applicant (if other than State):

Malheur 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

\$138

Grading

X

Files

(#)

2

Right Of Way

\$30

Paving

X

Acres

(#)

2

Utility Reimbursement

Structures

X

Relocations

(#)

0

Signing

Acquisitions

(#)

Roadway

\$74

Signals

Easements

(#)

Structures

\$413

Illumination

Work By: State / Consultant / Applicant

Signals

\$0

Preliminary Engineering (S.C.A.)

C

Illumination

\$0

Construction Engineering (S.C.A.)

C

Temp. Protection

\$15

Right of Way Descriptions (S.C.A.)

C

Const. Contingencies

\$106

Right Of Way Acquisitions (S.C.A.)

C

Const. Engineering

\$106

Project Categories

Constructed By

Remove Exist Bridge

\$43

Environmental Class

(1, 2, 3, PCE)

2

Contract

County Force

Other

\$42

Design Category

(1-7)

7

State Force

Other

Total CE and Construction:

\$799

Work Type Code

(1-13)

5

City Force

**CONSULTANT**

Total Estimate:

\$

967

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	Vale Main Canal (Harper-Westfall) Bridge #08754 has a sufficiency rating of 53.7 and is structurally obsolete. Bridge inspection reports document superstructure that has a poor rating and an urgency to replace the timber piling. The report also states that the guards have spalling and structural cracks. The bridge rail is substandard and there is no approach guardrail at this location. The combination of these conditions make this bridge undesirable and unsafe for agricultural and recreational traffic.
Structures (#)	1	1	
Signals (#)	N	N	
Bike Way (#)	N	N	
Average Daily Traffic	258	325	
Year of ADT	2001	2011	
Throughway Y/N			
Describe Proposed Solution: - Attach Sketch Map			
The proposed improvement project consists of replacement of Vale Main Canal (Harper-Westfall) Bridge #08754 with a 105' long x 32' wide, single, precast, prestressed slab span and installation of guardrail to meet standards.			

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: VALE MAIN CANAL (HARPER-WESTFALL) BRIDGE #08754

Region:  
5

Area:  
SEACT AREA

District:  
14

## Project Justification

This timber and concrete structure was originally constructed in 1960 and serves as an agricultural and recreational route. Bridge inspection reports document structural deficiencies including a poor rating for the superstructure with an urgent note to replace piling at bent #2. Inspection report also notes the following: structural crack (>0.025) at bent 5; girders spalled at end bents at drift pins; rot found at piling in Bent 2; noticeable movement (+-1/2") at Bent 3; longitudinal split in the cap at Bent 4; 12" rot on west 1/2 of cap at Bent 5; and various splits and spalls in the concrete curbs and rails.

Due to the aforementioned conditions, Malheur County has requested the Vale Main Canal (Harper-Westfall) Bridge #08754 be submitted for replacement under the OTIA III Local Bridge Program. This project is consistent with the Department of Transportation's and Malheur County's goal of replacing deficient structures.

Vale Main Canal (Harper-Westfall) Bridge #08754 is located within the SW1/4 NW1/4 Sec 25, T 19 S, R 41 E, 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 MALHEUR County

By: \_\_\_\_\_ By: JIM KIMBERLING, PUBLIC WORKS DIRECTOR

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

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

Applicable Intergovernmental Agreements:

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

## Administrative Recommendation

## Bridge Prospectus Cost Estimate

Applicant:	Malheur County	NBIS	Bridge No.	District:
Project /	VALE MAIN CANAL	08754	Region:	14
Section	(HARPER-WESTFALL)	5	Area:	SEACT AREA

New Bridge / Roadway Configuration:		Existing Bridge:	
Left Side Rail	105 feet	Bridge Length	93 feet
Left Sidewalk	feet	Bridge Width	30.8 feet
Shoulder	4 feet	Area	2864.4 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	405 feet
Lane 2	feet	Net Road Work Length	300 feet
Shoulder	4 feet	X-S Side Slope	1:03
Right Sidewalk	feet	AC Avg Width	32 feet
Right Side Rail	105 feet	Base Avg Width	32 feet
Bridge Length	105 feet	Asphalt Density	140.63 pounds/ cu ft
Bridge Width	32 feet	Base Density	144 pounds/ cu ft
New Area	3360 square ft.	New AC Received	240 tons
		New Base Required	704 tons

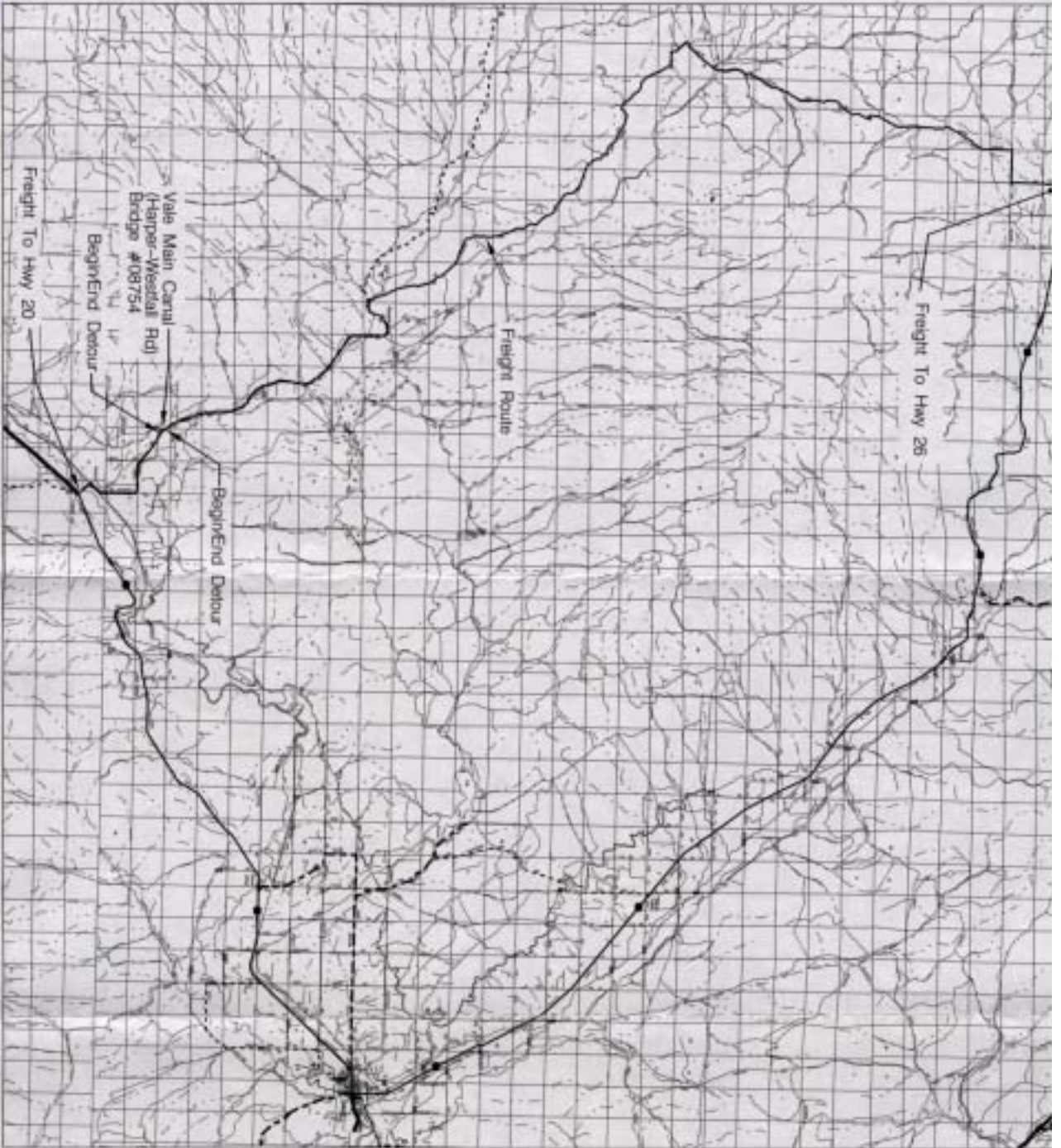
COST ESTIMATE:	Quantity	Unit	Price per unit	Cost ( \$x1000s)
Right-of-Way	2.00	Acre	\$ 15,000	\$30
==Roadway==				
Clear & Grub	\$ 2,000	lump sum		\$2
Erosion Control	\$ 1,000	lump sum		\$1
General Excavation	300	cubic yards	\$ 10.00	\$3
Embankment in Place	1,500	cubic yards	\$ 20.00	\$30
Pavement Removal	500	square feet	\$ 9.00	\$5
Aggregate Base	704	tons	\$ 11.00	\$8
Asphalt Concrete	240	tons	\$ 36.00	\$9
Curb	-	feet		\$0
Sidewalk	-	feet		\$0
Riprap	-	cubic yards		\$0
Guardrail, Type 2A	50	feet	\$ 20.00	\$1
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				\$74
Structures	3,360	square feet	\$ 120.00	\$403
Bridge Rail	105	feet	\$ 95.00	\$10
Remove Existing Bridge	2,864	square feet	\$ 15.00	\$43
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Subtotal Structures				\$456

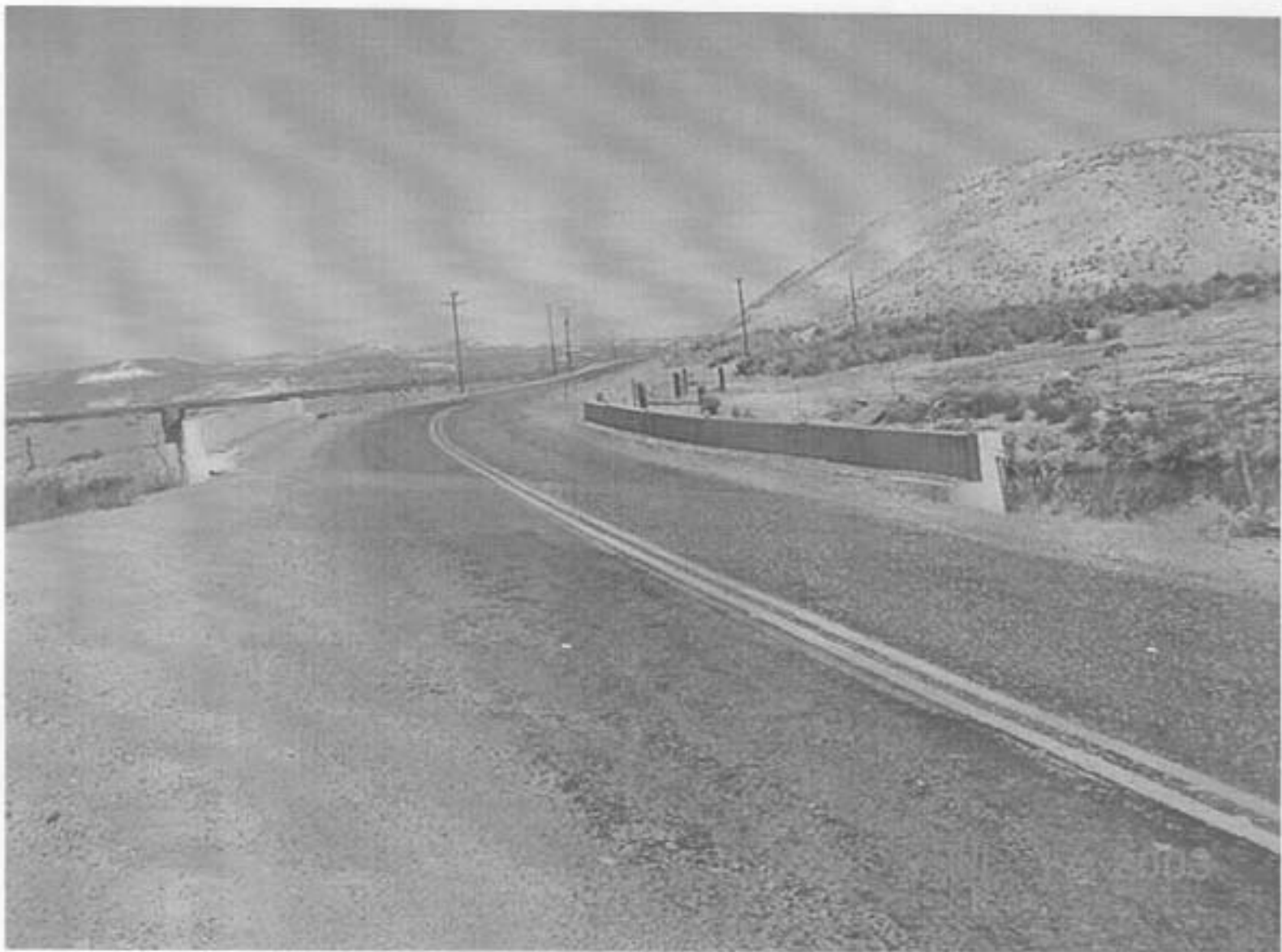
## Bridge Prospectus Cost Estimate

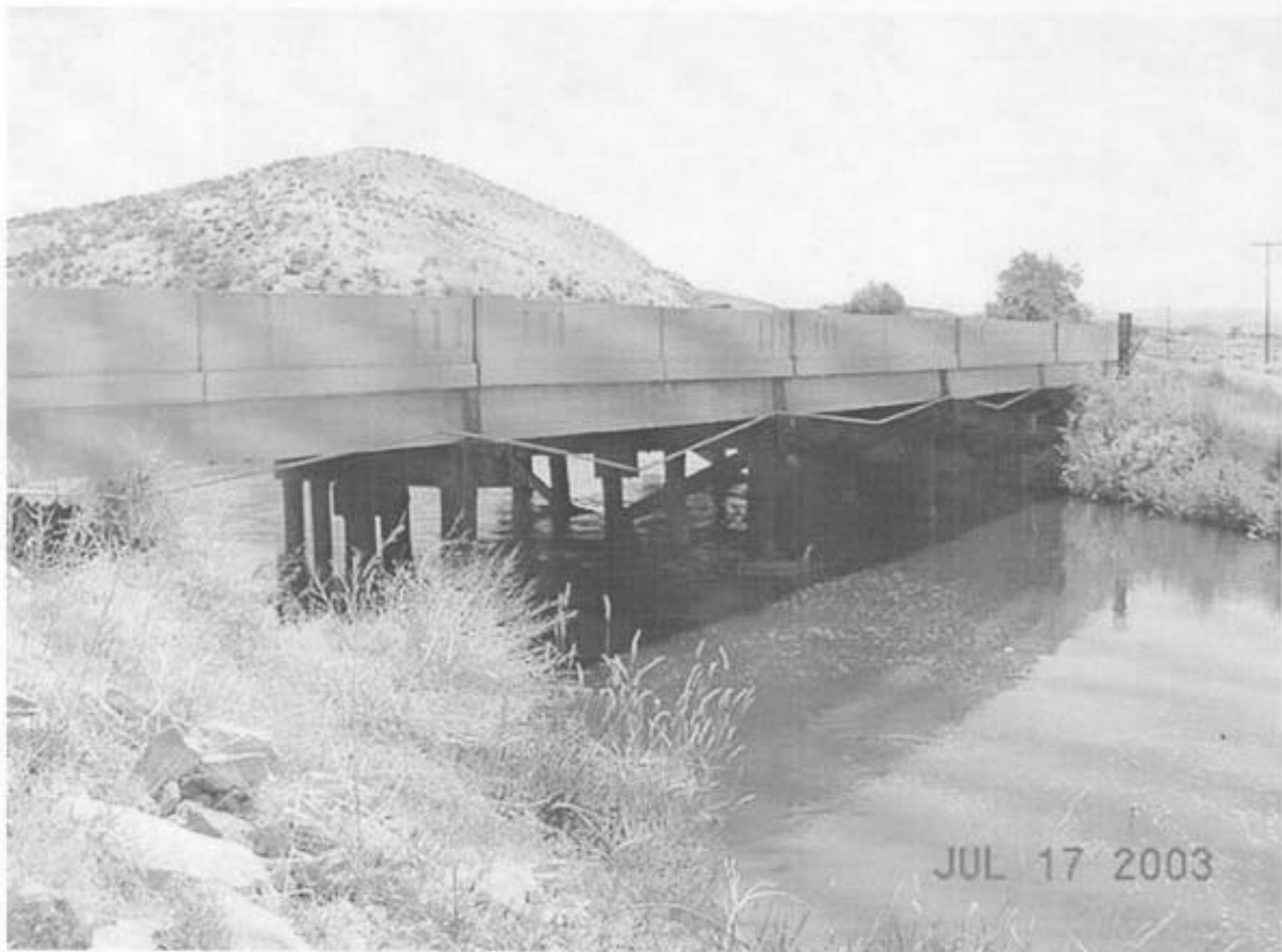
Applicant: Project / Section		Malheur County VALE MAIN CANAL (HARPER-WESTFALL)		NBIS Bridge No. 08754	Region: 5	Area: SEACT AREA	District: 14
Mobilization		8	percent of (Roadway + Structure)				\$42
Signals	\$	-	lump sum				\$0
Illumination	\$	-	lump sum				\$0
Temporary Protection	\$	15,000	lump sum				\$15
Detour Route		-	feet				\$0
Other			specify unit				\$0
Other			specify unit				\$0
Other			lump sum				\$0
Other			lump sum				\$0
Mobilization & Traffic							\$57
Subtotal Construction							\$587
==Engineering==							
Construction Engineering		20	percent of (Roadway + Structure)				\$106
Contingency		20	percent of (Roadway + Structure)				\$106
Subtotal Const. Eng.							\$212
Preliminary Engineering							
Consultant		26	percent of (Roadway + Structure)				\$138
State			percent of (Roadway + Structure)				\$0
County			percent of (Roadway + Structure)				\$0
Subtotal PE							\$138
<b>Total Estimate</b>							<b>\$967</b>

## Bridge Project Prospectus Additional Bridge Information

Applicant: Malheur County		NBIS Bridge Number: 08754					
Project Name / Section: VALE MAIN CANAL (HARPER-WESTFALL) BRIDGE #08754		Region: 5	Area: SEACT AREA				
			District: 14				
<b>Funding</b>  <b>Preferred Source:</b> <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR  <b>Acceptable Source:</b> <input checked="" type="checkbox"/> OTIA III <input checked="" type="checkbox"/> Federal HBRR	<b>Heavy Vehicle Usage</b> <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; text-align: center;" type="text" value="13"/></td> <td><input style="width: 50px; text-align: center;" type="text" value="17"/></td> </tr> </table> <b>Fire Truck Usage:</b> <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; text-align: center;" type="text" value="13"/>	<input style="width: 50px; text-align: center;" type="text" value="17"/>	<b>Detour</b>  <b>Detour Route:</b> Length: <input style="width: 50px; text-align: center;" type="text" value="105"/> Map: (Please attach map)	
Existing	Proposed						
Truck AADT: <input style="width: 50px; text-align: center;" type="text" value="13"/>	<input style="width: 50px; text-align: center;" type="text" value="17"/>						
<b>Regional Freight Corridor Analysis:</b>							
No posted bridges on detour or freight corridor. SEE DETOUR/CORRIDOR MAP							
<b>Special Consideration:</b>							







# Bridge # 08754

VALE CANAL, HARPER WESTFALL RD #C805  
CROSSES VALE CANAL MP 8.32



Malheur County

LEGEND	
Not Weight Restricted Bridge	Restricted Bridge
Not in STIP / Application Submitted <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 1px solid black;"></span>	In STIP / No Application Submitted <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 1px solid black; border-radius: 50%;"></span>
Other Bridges <span style="display: inline-block; width: 15px; height: 15px; border: 1px dashed black;"></span>	Not in STIP / Application Submitted <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 1px solid black; border-radius: 50%;"></span>
Freight Route <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 2px solid black;"></span>	In STIP / Application Submitted <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 1px solid black; border-radius: 50%;"></span>
	Not in STIP / No Application Submitted <span style="display: inline-block; width: 15px; height: 15px; background-color: #cccccc; border: 1px solid black; border-radius: 50%;"></span>
STIP - Statewide Transportation Improvement Program	

FUNCTIONAL CLASSIFICATION	
STATE JURISDICTION	OTHER JURISDICTION
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<span style="display: inline-block; width: 20px; height: 2px; background-color: black;"></span>	<span style="display: inline-block; width: 20px; height: 2px; background-color: black; border: 1px dashed black;"></span>
<span style="display: inline-block; width: 20px; height: 2px; background-color: black;"></span>	<span style="display: inline-block; width: 20px; height: 2px; background-color: black; border: 1px dashed black;"></span>
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