



# PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number: \_\_\_\_\_ Jurisdiction: \_\_\_\_\_

Section: **GREASEWOOD CREEK (COLUMBIA ST.) BRIDGE #59C714** Region: **5** Area: **NEACT AREA** District: **12**

State Highway No.: \_\_\_\_\_ Highway Name: \_\_\_\_\_ Mile Point From: **4.00** To: **4.20** Length: (mi) **20** (km) \_\_\_\_\_

Urban City: \_\_\_\_\_ MPO: \_\_\_\_\_ Within UGB  Yes  No County: **UMATILLA** Road/Street Name: **COLUMBIA STREET**

Route No.: \_\_\_\_\_ NHS  YES  NO HPMS: \_\_\_\_\_ FC: **07** Applicant (if other than State): **UMATILLA COUNTY**

US Congressional District: **2** State Senate District: **29** State Representative District: **58**

Cost Estimates ( x \$ 1,000) Project Components Right Of Way

Preliminary Engineering	\$58	Grading	X	Files	(#)	2
Right Of Way	\$15	Paving	X	Hectares	(#)	1
Utility Reimbursement		Structures	X	Relocations	(#)	
		Signaling		Acquisitions	(#)	
Roadway	\$45	Signals		Easements	(#)	
Structures	\$154	Illumination		Work By: State / Consultant / Applicant		
Signals	\$0			Preliminary Engineering	(S,C,A)	C
Illumination	\$0			Construction Engineering	(S,C,A)	C
Temp. Protection	\$0			Right of Way Descriptions	(S,C,A)	C
Const. Contingencies	\$41			Right Of Way Acquisitions	(S,C,A)	C
Const. Engineering	\$37					

Remove Exist Bridge	\$7	Environmental Class	(1, 2, 3, PCE)	2	Constructed By	
Other	\$16	Design Category	(1-7)	7		
Total CE and Construction:	\$301	Work Type Code	(1-13)	5		
Total Estimate:	\$ 373	Primary STIP Work Type:			<input checked="" type="checkbox"/> Contract	<input type="checkbox"/> County Force
					<input type="checkbox"/> State Force	<input type="checkbox"/> Other
					<input type="checkbox"/> City Force	

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	Structure was built in 1965 and has a sufficiency rating of 48.0. Constructed of timber stringers and deck with AC overlay, it has visual signs of decay in the deck. Width is substandard for majority of vehicles using the route. This structure is over one of the irrigation canals and main entrance to the town of Helix and is a main route for agricultural commerce.
Structures (#)	1	1	
Signals (#)			
Bike Way (#)			
Average Daily Traffic	270	300	
Year of ADT	2001	2011	
Throughway Y/N			

Describe Proposed Solution: - Attach Sketch Map

The proposed improvement project consists of replacement of the Greasewood Creek (Columbia St.) Bridge with a 35' single span by 32' wide prestressed slab structure 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: GREASEWOOD CREEK (COLUMBIA ST.) BRIDGE #59C714

Region:  
5

Area:  
NEACT AREA

District:  
12

## Project Justification

This timber bridge was originally constructed in 1965 and serves as a link between agricultural land and the Havana-Helix Hwy 335. Bridge inspection reports have documented signs of decay in the deck and displacement in both felloe guards. Reports also indicated transverse and longitudinal cracks in the wearing surface. This bridge is load rated at 12 Ton and is narrow in width for the type of agricultural trucks currently using the structure. All factors considered, make this a county priority for replacement. Due to the aforementioned conditions, Umatilla County has requested Greasewood Creek (Columbia St.) Bridge #59C714 be submitted for replacement under OTIA III. This project is consistent with the Department of Transportation's and Umatilla County's goal of replacing or rehabilitating deficient structures. Greasewood Creek (Columbia St.) Bridge #59C714 is located within Section 11, T4N, R33E, 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

UMATILLA County

By:

\_\_\_\_\_

By:

HAL PHILLIPS, PUBLIC WORKS DIRECTOR

By:

\_\_\_\_\_

By:

\_\_\_\_\_

By:

\_\_\_\_\_

Applicable Intergovernmental Agreements:

IGA Number:

Jurisdiction Name:

Agreement Date:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

## Administrative Recommendation

## Bridge Prospectus Cost Estimate

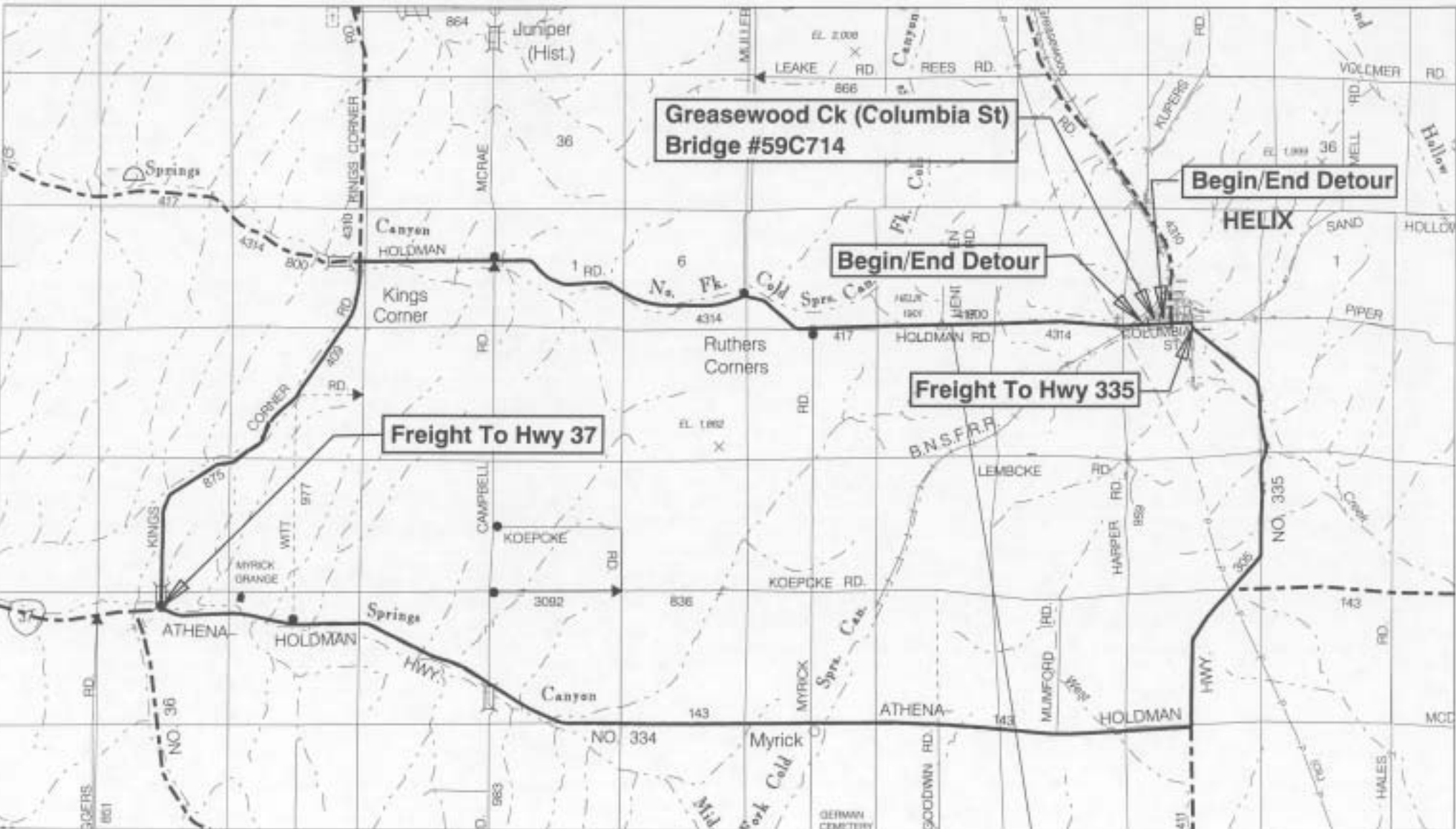
Applicant: Project / Section	UMATILLA COUNTY GREASEWOOD CREEK (COLUMBIA ST.) BRIDGE	NBIS Bridge No.  Region: 5	Area: NEACT AREA	District: 12
<b>New Bridge / Roadway Configuration:</b>				
Left Side Rail	35 feet	<b>Existing Bridge:</b>		
Left Sidewalk	feet	Bridge Length	25 feet	
Shoulder	4 feet	Bridge Width	23.5 feet	
Lane 2	feet	Area	587.5 square ft.	
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	407 feet	
Shoulder	4 feet	Net Road Work Length	300 feet	
Right Sidewalk	feet	X-S Side Slope	1:3	
Right Side Rail	35 feet	AC Avg Width	feet	
Bridge Length	35 feet	Base Avg Width	feet	
Bridge Width	32 feet	Asphalt Density	pounds/ cu ft	
New Area	1120 square ft.	Base Density	pounds/ cu ft	
		New AC Received	tons	
		New Base Required	tons	
<b>COST ESTIMATE:</b>				
Right-of-Way	Quantity 1.00	Unit Acre	Price per unit \$ 15,000	Cost ( \$x1000s) \$15
==Roadway==				
Clear & Grub	\$ 2,000	lump sum		\$2
Erosion Control		lump sum		\$0
General Excavation	100	cubic yards	\$ 10.00	\$1
Embankment in Place	200	cubic yards	\$ 20.00	\$4
Pavement Removal		square feet		\$0
Aggregate Base	379	tons	\$ 12.00	\$5
Asphalt Concrete	110	tons	\$ 36.00	\$4
Curb		feet		\$0
Sidewalk		feet		\$0
Riprap	140	cubic yards	\$ 75.00	\$11
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	\$45
Structures	1,120	square feet	\$ 115.00	\$129
Bridge Rail		feet		\$0
Remove Existing Bridge	588	square feet	\$ 12.00	\$7
Other		specify unit		\$0
Other		specify unit		\$0
DETOUR	\$ 25,000	lump sum		\$25
Other		lump sum		\$0
			Subtotal Structures	\$161

## Bridge Prospectus Cost Estimate

Applicant: Project / Section	UMATILLA COUNTY GREASEWOOD CREEK (COLUMBIA ST.) BRIDGE	NBIS Bridge No.  Region: 5	Area: NEACT AREA	District: 12
Mobilization	8	percent of (Roadway + Structure)		\$16
Signals		lump sum		\$0
Illumination		lump sum		\$0
Temporary Protection		lump sum		\$0
Detour Route		feet		\$0
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Mobilization & Traffic				\$16
Subtotal Construction				\$222
==Engineering==				
Construction Engineering	18	percent of (Roadway + Structure)		\$37
Contingency	20	percent of (Roadway + Structure)		\$41
Subtotal Const. Eng.				\$78
Preliminary Engineering Consultant	28	percent of (Roadway + Structure)		\$58
State		percent of (Roadway + Structure)		\$0
County		percent of (Roadway + Structure)		\$0
Subtotal PE				\$58
<b>Total Estimate</b>				<b>\$373</b>

## Bridge Project Prospectus Additional Bridge Information

Applicant: UMATILLA COUNTY		NBIS Bridge Number: 0					
Project Name / Section: GREASEWOOD CREEK (COLUMBIA ST.) BRIDGE #59C714		Region: 5	Area: NEACT AREA				
		District: 12					
<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; border-bottom: 1px solid black;">Existing</td> <td style="text-align: center; border-bottom: 1px solid black;">Proposed</td> </tr> <tr> <td style="padding: 2px;">Truck AADT: <input style="width: 40px;" type="text" value="14"/></td> <td style="padding: 2px;"><input style="width: 40px;" type="text" value="15"/></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: 40px;" type="text" value="14"/>	<input style="width: 40px;" type="text" value="15"/>	<b>Detour</b>  <b>Detour Route:</b> Length: <input style="width: 60px;" type="text" value="16.5"/> Map: (Please attach map)	
Existing	Proposed						
Truck AADT: <input style="width: 40px;" type="text" value="14"/>	<input style="width: 40px;" type="text" value="15"/>						
<b>Regional Freight Corridor Analysis:</b> No posted bridges on detour or freight corridor. SEE DETOUR/CORRIDOR MAP							
<b>Special Consideration:</b>							



**Greasewood Ck (Columbia St)  
Bridge #59C714**

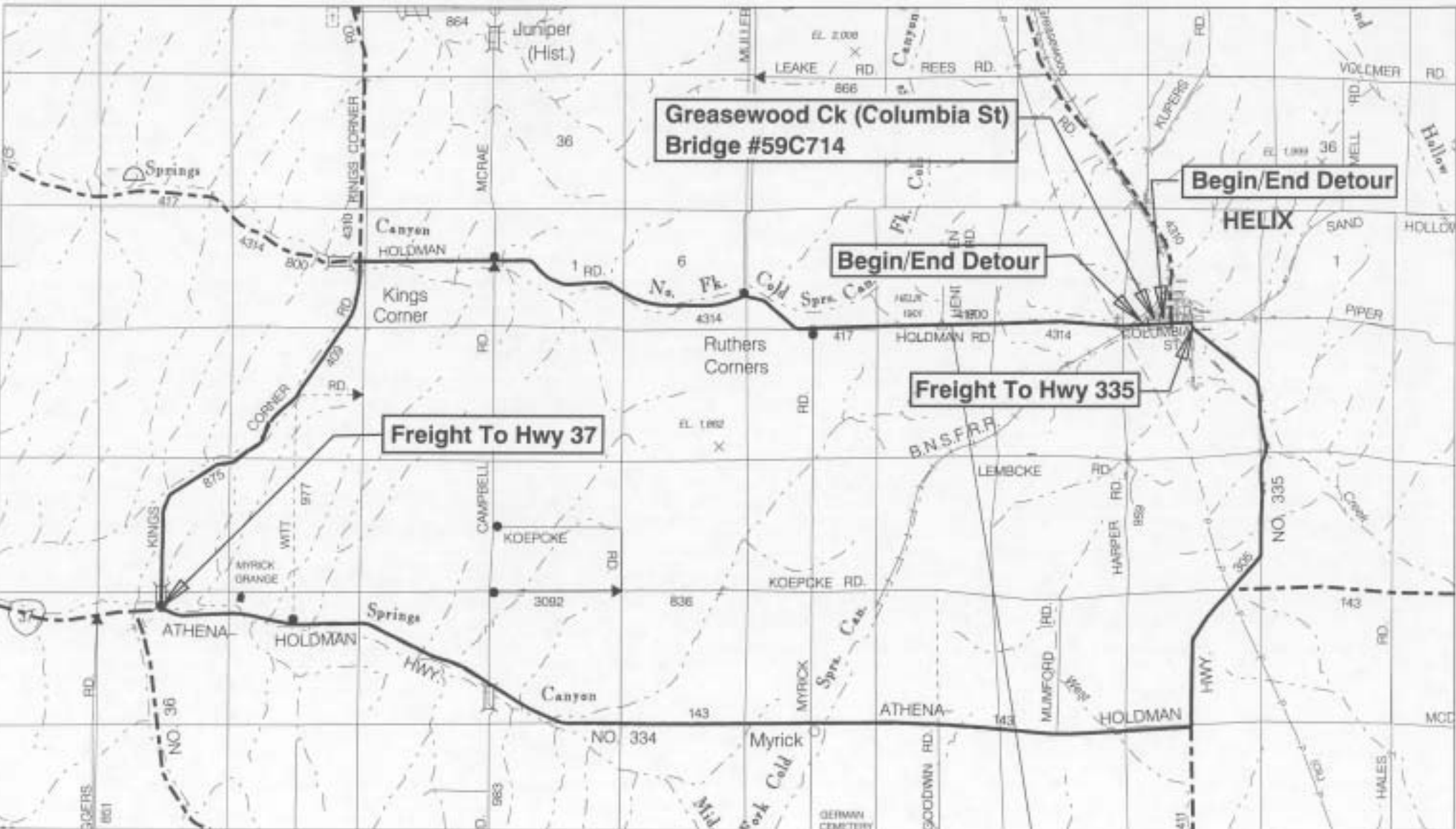
**Begin/End Detour**

**Begin/End Detour**

**Freight To Hwy 37**

**Freight To Hwy 335**

**HELIX**





JUL 9 2003

