



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

Key Number: _____ Jurisdiction: _____

Section: **Ravine (Irving Ave.) Bridge No. 07T02** Region: **2** Area: **North West Oregon Act** District: **1**

State Highway No.: _____ Highway Name: _____ Mile Point From: _____ To: _____ Length: (mi) _____ (km) _____

Urban Rural City: _____ MPO: _____ With/Without UGB: Yes No County: **Clatsop** Road/Street Name: **Irving Ave.**

Route No.: _____ NHS: YES NO HPMS: _____ FC: _____ Applicant (if other than State): **City of Astoria**

US Congressional District: **1** State Senate District: **16** State Representative District: **31**

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

Preliminary Engineering	\$504	Grading	<input checked="" type="checkbox"/>	Files	(#)	8
Right Of Way	\$24	Paving	<input checked="" type="checkbox"/>	Hectares	(#)	.4
Utility Reimbursement		Structures	<input checked="" type="checkbox"/>	Relocations	(#)	0
		Signing	<input checked="" type="checkbox"/>	Acquisitions	(#)	4
Roadway	\$72	Signals		Easements	(#)	4
Structures	\$1,302	Illumination	<input checked="" type="checkbox"/>	Work By: State / Consultant / Applicant		
Signals	\$0			Preliminary Engineering	(S,C,A)	C
Illumination	\$95			Construction Engineering	(S,C,A)	C
Temp. Protection	\$25			Right of Way Descriptions	(S,C,A)	C
Const. Contingencies	\$485			Right Of Way Acquisitions	(S,C,A)	A

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

Constructed By: Contract County Force State Force Other City Force

Total CE and Construction: \$2,830 Total Estimate: \$ 3,358

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	Irving Avenue Bridge The width of the Irving Avenue Bridge between 18th and 19th Streets is not sufficient. Traffic barriers are substandard as a vehicular barrier. It is load restricted and the timber structure shows signs of decay.
Structures (#)	1	1	
Signals (#)	0	0	
Bike Way (#)	0	2	
Average Daily Traffic	1320	1450	
Year of ADT	1999	2019	
Throughway Y/N	Y	Y	

Describe Proposed Solution: - Attach Sketch Map

The existing bridge will be replaced with a new structure meeting current AASHTO and ODOT standards for load capacity, width, and geometry. The new bridge will include a modern/safe guard rail. The new bridge will be multiple spans with sufficient clearance (horizontal and vertical) to the roadway below.

Prepared By: **X** Date: _____ OTC Approval Date: _____ Program Year: _____ Funding Amount: _____



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Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: Ravine (Irving Ave.) Bridge No. 07T02

Region:
2

Area:
North West Oregon Act

District:
1

Project Justification

Irving Avenue Bridge

The Irving Avenue Bridge between 18th and 19th Streets is in poor condition. It is located on the only continuous alternate route for State Highway 30. Irving Avenue provides an important connection for the upper north slope in Astoria and is used often by emergency vehicles and is a vital pedestrian route for the city.

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: Astoria and/or _____ County

By: Mike Caccavano, City Engineer By: _____

By: _____ By: _____

By: _____ By: _____

Applicable Intergovernmental Agreements:

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

Administrative Recommendation

Bridge Prospectus Cost Estimate

Applicant: Project / Section		City of Astoria Ravine (Irving Ave.) Bridge No. 07T02	NBIS Bridge No. 07T02	Region: 2	Area: North West Oregon Act	District: 1
New Bridge / Roadway Configuration:						
Left Side Rail	1	feet				
Left Sidewalk	6	feet				
Shoulder	12	feet				
Lane 2	0	feet				
Lane 1	12	feet				
---CL---	0	feet				
Lane 1	12	feet				
Lane 2	0	feet				
Shoulder	12	feet				
Right Sidewalk	6	feet				
Right Side Rail	1	feet				
Bridge Length	210	feet				
Bridge Width	62	feet				
New Area	1447	square yds.				
Existing Bridge:						
Bridge Length			201	feet		
Bridge Width			30.5	feet		
Area			681	square yds.		
New AC Top Width			48	feet		
New AC Depth			4	inches		
New Base Depth			12	inches		
Project Length			600	feet		
Net Road Work Length			390	feet		
X-S Side Slope						
AC Avg Width			49.33	feet		
Base Avg Width			54.64	feet		
Asphalt Density			2	tons / yd		
Base Density			2	tons / yd		
New AC Received			476	tons		
New Base Required			1600	tons		
COST ESTIMATE:						
Right-of-Way	0	Acre	\$ 60,000		Cost (\$x1000s) \$24	
==Roadway==						
Clear & Grub	\$ 5,000	lump sum			\$5	
General Excavation	600	cubic yards	\$ 10.00		\$6	
Embankment in Place	-	cubic yards	\$ 26.00		\$0	
Pavement Removal	12,000	square feet	\$ 1.00		\$12	
Aggregate Base	1600	tons	\$ 14.00		\$22	
Asphalt Concrete	476	tons	\$ 55.00		\$26	
Riprap	-	cubic yards	\$ 35.00		\$0	
Guardrail, Type 2A	-	feet	\$ 15.00		\$0	
Guardrail, Type 3	-	feet	\$ 35.00		\$0	
Guardrail Trans	-	feet	\$ 1,650.00		\$0	
Flared Terminals	-	each	\$ 1,500.00		\$0	
			Subtotal Roadway		\$72	
Structures	13,020	square feet	\$ 100.00		\$1,302	
Signals	\$ -	lump sum			\$0	
Illumination	\$ 85,000	lump sum			\$85	
Temporary Protection	\$ 25,000	lump sum			\$25	
Remove Existing Bridge	\$ 6,130	square feet	13		\$80	
Detour Structure/Appr grd	\$ 200,000	lump sum			\$200	
Site Specific Bridge Items	175,000	lump sum			\$175	
			Subtotal Structures		\$1,867	
			Subtotal Construction		\$1,938	
==Engineering==						
Construction Engineering	21	percent of construction			\$407	
Contingency	25	percent of construction			\$485	
			Subtotal Const. Eng.		\$892	
Preliminary Engineering						
Consultant	21	percent of construction			\$407	
State	3	percent of construction			\$58	
County	2	percent of construction			\$39	
			Subtotal PE		\$504	
Total Estimate					\$3,358	

Bridge Project Prospectus Additional Bridge Information

Applicant: City of Astoria		NBIS Bridge Number: 07T02					
Project Name / Section: Ravine (Irving Ave.) Bridge No. 07T02		Region: 2	Area: h West Oregon				
		District: 1					
Funding Preferred Source: <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR Acceptable Source: <input checked="" type="checkbox"/> OTIA III <input checked="" type="checkbox"/> Federal HBRR	Heavy Vehicle Usage <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: restricted</td> <td>80</td> </tr> </table> Fire Truck Usage: <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: restricted	80	Detour Detour Route: Length: 2 miles Map: (Please attach map)	
Existing	Proposed						
Truck AADT: restricted	80						
Regional Freight Corridor Analysis:							
Special Consideration: The existing structure is inadequate to facilitate pedestrian, bike, and vehicular traffic associated with the urban development surrounding it. The bridge provides the only bypass within the detour limits for highway 30 (reference attached map). The bridge is load restricted.							

CITY OF ASTORIA STREETS & ROADS MAP

COLUMBIA



JANUARY 1978
BY MK

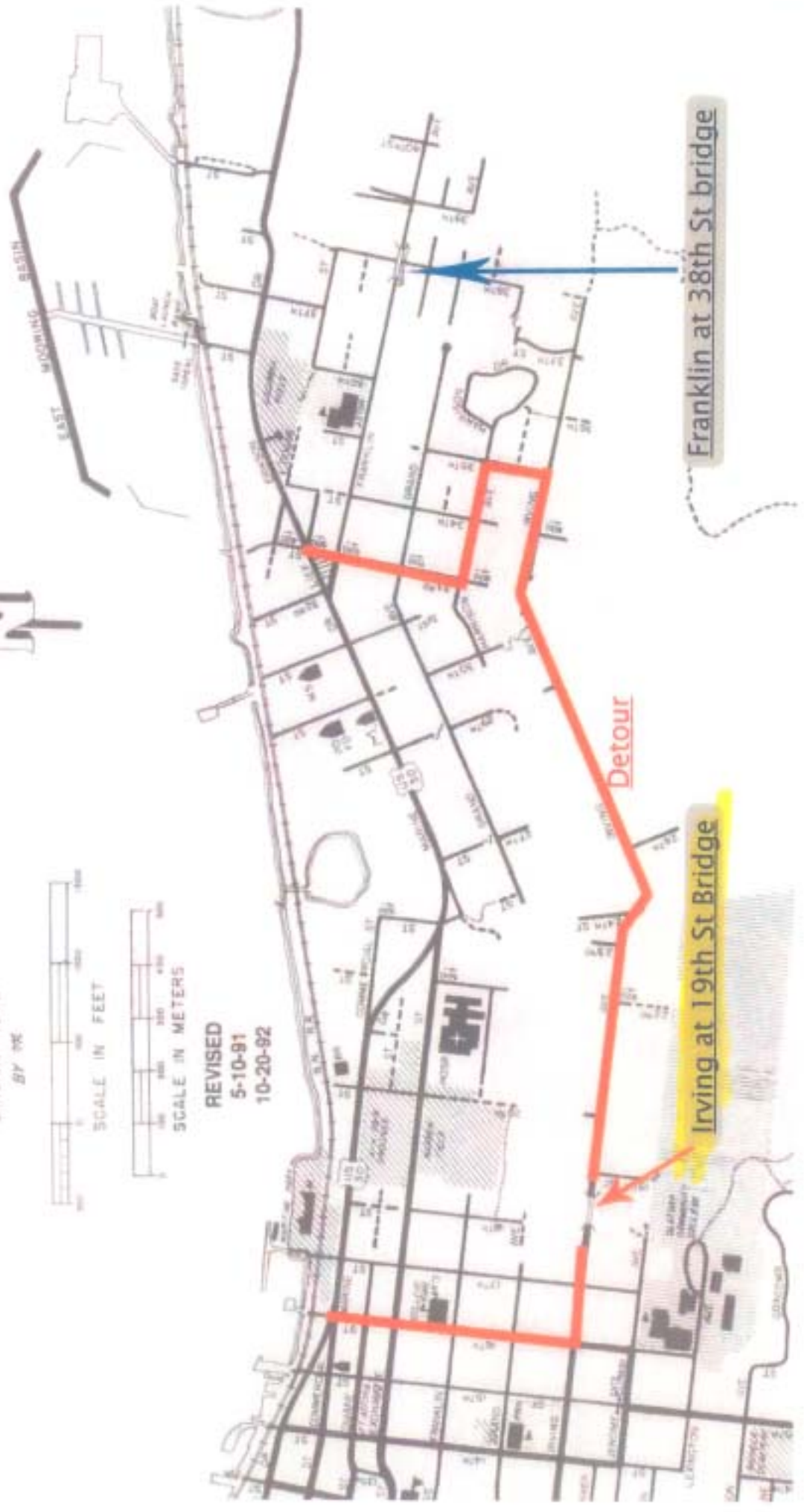


SCALE IN FEET



SCALE IN METERS

REVISED
5-10-91
10-20-92



Detour

Irving at 19th St Bridge

Franklin at 38th St bridge

Photographs



Photograph No. 1 — Approach looking east.



Photograph No. 2 — Approach looking west.

Photographs
Continued



Photograph No. 3 — Elevation looking southeast.



Photograph No. 4 — Elevation looking southwest.