



PROJECT PROSPECTUS

Part 1 — Project Request (Page 1 of 2)

										Key Number:		Jurisdiction:			
Section: SE 190th/Johnson Crk Bridge Replacement										Region: 1		Area:		District: 2C	
State Highway No.:		Highway Name:				Mile Point		Length: (mi) (km)							
						From: To:		0.1 mi							
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural		City: Gresham		MPO: <input type="checkbox"/> Willamette UGB <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		County: Multnomah		Road/Street Name: SE 190th/Pleasant View Drive							
Route No.:		NHS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HPMS:		FC:		Applicant (if other than State): City of Gresham							
US Congressional District: 3				State Senate District: 11				State Representative District: 22							
Cost Estimates (x \$ 1,000)				Project Components				Right Of Way							
Preliminary Engineering		\$165		Grading		<input checked="" type="checkbox"/>		Files (#)		2					
Right Of Way		\$60		Paving		<input checked="" type="checkbox"/>		Hectares (#)		0.1					
Utility Reimbursement				Structures		<input checked="" type="checkbox"/>		Relocations (#)		0					
				Signing				Acquisitions (#)		2					
Roadway		\$212		Signals				Easements (#)		0					
Structures		\$491		Illumination		<input checked="" type="checkbox"/>		Work By: State / Consultant / Applicant							
Signals		\$0						Preliminary Engineering (S,C,A)		C					
Illumination		\$45						Construction Engineering (S,C,A)		A					
Temp. Protection		\$20						Right of Way Descriptions (S,C,A)		A					
Const. Contingencies		\$72						Right Of Way Acquisitions (S,C,A)		C					
Const. Engineering		\$215		Project Categories				Constructed By							
Remove Exist Bridge		\$15		Environmental Class (1, 2, 3, PCE)		2		<input checked="" type="checkbox"/> Contract		<input type="checkbox"/> County Force					
Other		\$63		Design Category (1-7)		7		<input type="checkbox"/> State Force		<input type="checkbox"/> Other					
Total CE and Construction:		\$1,133		Work Type Code (1-13)		5		<input type="checkbox"/> City Force							
Total Estimate:		\$ 1,358		Primary STIP Work Type:											
Recommended Let Date By Federal Fiscal Year (Quarter-Year):				7-Feb											
PE Fund:		RW Fund:		UR Fund:		CE-CN Fund:									
PE EA:		RW EA:		UR EA:		CE-CN EA:									
Item		Existing	Proposed	Define The Problem:											
Travel Lanes (#)		2	2	The SE 190th Avenue (also known as SW Pleasant View Drive) bridge over Johnson Creek in Gresham is only 24 feet wide and 32 feet long. The width does not meet City requirements for an urban collector of 46 feet curb to curb and 61 feet overall. SE 190th is a primary connector between the neighborhood to the south and the Springwater Trail, which crosses SE 190th at-grade immediately north of the Johnson Crk structure. The bridge is scour critical and would require rip-rap protection in the near future. Riprapping is however, no longer a desirable solution and likely would not be approved. The bridge opening area is currently nominal, and growth (such as the Pleasant Valley Urban Reserve), will continue.											
Structures (#)		1	1												
Signals (#)															
Bike Way (#)		N	Y												
Average Daily Traffic		5,000	14,000												
Year of ADT		2000	2020												
Throughway (Y/N)		N	N												
										Describe Proposed Solution: - Attach Sketch Map					
										Replace structure with a new 86 foot long by 61 foot wide structure. Widen roadway approaches to match.					
Prepared By: X Jay McCoy				Date: 10/7/03		OTC Approval Date:		Program Year:		Funding Amount:					



PROJECT PROSPECTUS

Part 1 Project Request (Page 2 of 2)

Key Number:

Jurisdiction:

Section: SE 190th/Johnson Crk Bridge Replacement

Region:

1

Area:

0

District:

2C

Project Justification

Sidewalks, curbs, and bike lanes are essential to assure safe, convenient bike and ped access to the Springwater Trail from adjacent neighborhoods for increasing numbers of regional trail users. These project needs were identified by the City in the 1991 transportation analysis for the Springwater Trail Master Plan. In 1991, 155,000 people lived within 1-2 miles of the corridor. That number continues to grow. The Trail continues to receive popular support as Oregon's first urban Rail-to-Trail and receives heavy commuter local travel and recreation use (several thousand trail users a day). Use by commuters will be extremely important in the future as transportation funding continues to shrink in comparison to inflation. Multi-modal transportation facilities is necessary to reduce the growth in demand for new roadway capacity. Latest modeling from the Metro Powell/Foster study shows SE 190th/Pleasant View playing an increasingly important role in handling the north south travel demand associated with forecast growth in the Pleasant Valley urban area.

Additional Information For Project Requested By Local Jurisdictions

Responsible Local Office To Be Contacted For The Following Activities:

- | | | | | |
|--|-----------|----------|----------------|---------|
| 1. Public Hearing /
Citizen Involvement | Jay McCoy | (Office) | (503) 618-2686 | (Phone) |
| 2. Environmental / Planning | same | (Office) | | (Phone) |
| 3. Pre-Engineering | same | (Office) | | (Phone) |

This Official Request is From:

City of:	Gresham	and/or		County
By:	John Dorst, Deputy Director	By:		
By:	Dept of Environmental Services	By:		
		By:		

Applicable Intergovernmental Agreements:

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

Administrative Recommendation

Bridge Prospectus Cost Estimate

Applicant:	City of Gresham	NBIS	Area:	District:
Project / Section	SE 190th/Johnson Crk Bridge Replacement	Bridge No. 51C21	0	2C
		Region: 1		

New Bridge / Roadway Configuration:		Existing Bridge:	
Left Side Rail	1.5 feet	Bridge Length	32 feet
Left Sidewalk	6 feet	Bridge Width	24 feet
Shoulder	6 feet	Area	768 square ft.
Lane 2	feet		
Lane 1	11 feet	New AC Top Width	24 feet
—CL—	12 feet	New AC Depth	5 inches
Lane 1	11 feet	New Base Depth	11 inches
Lane 2	feet	Project Length	500 feet
Shoulder	6 feet	Net Road Work Length	414 feet
Right Sidewalk	6 feet	X-S Side Slope	3 to 1
Right Side Rail	1.5 feet	AC Avg Width	24 feet
		Base Avg Width	24 feet
Bridge Length	86 feet	Asphalt Density	142 pounds/ cu ft
Bridge Width	61 feet	Base Density	125 pounds/ cu ft
New Area	5246 square ft.	New AC Received	295 tons
		New Base Required	570 tons

COST ESTIMATE:	Quantity	Unit	Price per unit	Cost (\$x1000s)
Right-of-Way	0.15	Acre	\$ 400,000	\$60
==Roadway==				
Clear & Grub	\$ 10,000	lump sum		\$10
Erosion Control	\$ 52,000	lump sum		\$52
General Excavation		cubic yards		\$0
Embankment in Place	3,600	cubic yards	\$ 10.00	\$36
Pavement Removal	1,500	square feet	\$ 15.00	\$23
Aggregate Base	570	tons	\$ 30.00	\$17
Asphalt Concrete	295	tons	\$ 65.00	\$19
Curb	850	feet	\$ 10.00	\$9
Sidewalk	850	feet	\$ 15.00	\$13
Riprap		cubic yards		\$0
Guardrail, Type 2A	500	feet	\$ 25.00	\$13
Guardrail, Type 3	150	feet	\$ 70.00	\$11
Guardrail Trans	4	each	\$ 2,500.00	\$10
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Flared Terminals	4	each	\$ 150.00	\$1
Subtotal Roadway				\$212
Structures	5,250	square feet	\$ 90.00	\$473
Bridge Rail	180	feet	\$ 100.00	\$18
Remove Existing Bridge	768	square feet	\$ 20.00	\$15
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Subtotal Structures				\$506

Bridge Prospectus Cost Estimate

Applicant: Project / Section	City of Gresham SE 190th/Johanson Crk Bridge Replacement	NBIS Bridge No. 51C21 Region: 1	Area: 0	District: 2C
Mobilization	8	percent of (Roadway + Structure)		\$57
Signals		lump sum		\$0
Illumination	\$ 45,000	lump sum		\$45
Temporary Protection	\$ 20,000	lump sum		\$20
Detour Route	6,000	feet	\$ 1.00	\$6
Other		specify unit		\$0
Other		specify unit		\$0
Other		lump sum		\$0
Other		lump sum		\$0
Mobilization & Traffic				\$128
Subtotal Construction				\$846
==Engineering==				
Construction Engineering	30	percent of (Roadway + Structure)		\$215
Contingency	10	percent of (Roadway + Structure)		\$72
Subtotal Const. Eng.				\$287
Preliminary Engineering Consultant	12	percent of (Roadway + Structure)		\$86
State	3	percent of (Roadway + Structure)		\$22
County	8	percent of (Roadway + Structure)		\$57
Subtotal PE				\$165
Total Estimate				\$1,358

Bridge Project Prospectus Additional Bridge Information

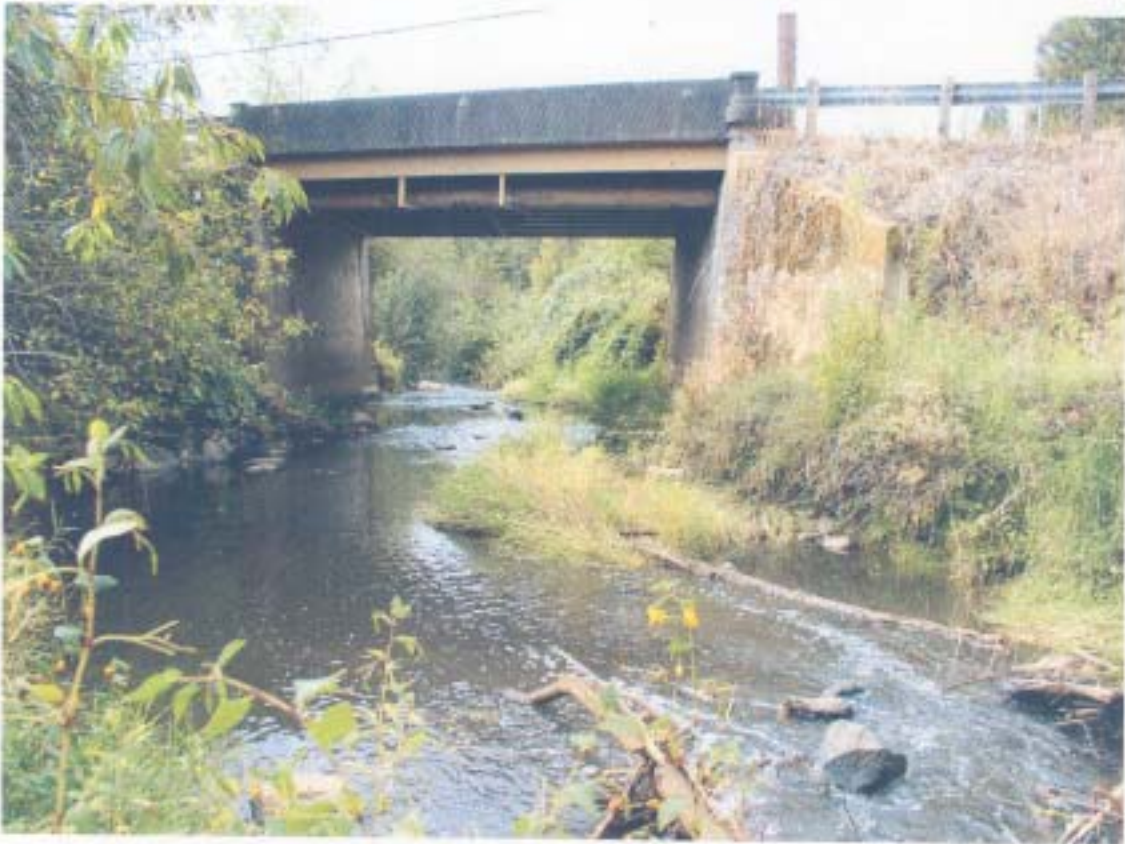
Applicant: City of Gresham		NBIS Bridge Number: 51C21	
Project Name / Section: SE 190th/Johnson Crk Bridge Replacement		Region: 1	Area: 0
		District: 2C	
Funding Preferred Source: <input checked="" type="checkbox"/> OTIA III <input type="checkbox"/> Federal HBRR Acceptable Source: <input checked="" type="checkbox"/> OTIA III <input checked="" type="checkbox"/> Federal HBRR	Heavy Vehicle Usage Existing Proposed Truck AADT: <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> Fire Truck Usage: <input type="checkbox"/> YES, at least 25% of trips use bridge. <input checked="" type="checkbox"/> No. Less than 25% of trips	Detour Detour Route: Length: <input style="width: 50px;" type="text" value="7700 feet"/> Map: (Please attach map)	
Regional Freight Corridor Analysis:			
Special Consideration:			
Mtero's Powell/Foster Study is showing a need for capacity increases in the roadway network to/from the north. Improving 190th/Pleasant View Drive will facilitate that need by providing a more direct connection between Gresham regional center and the Pleasant Valley urban area. Without such a connection, major improvements are likely in other corridors, such as 181st Avenue.			



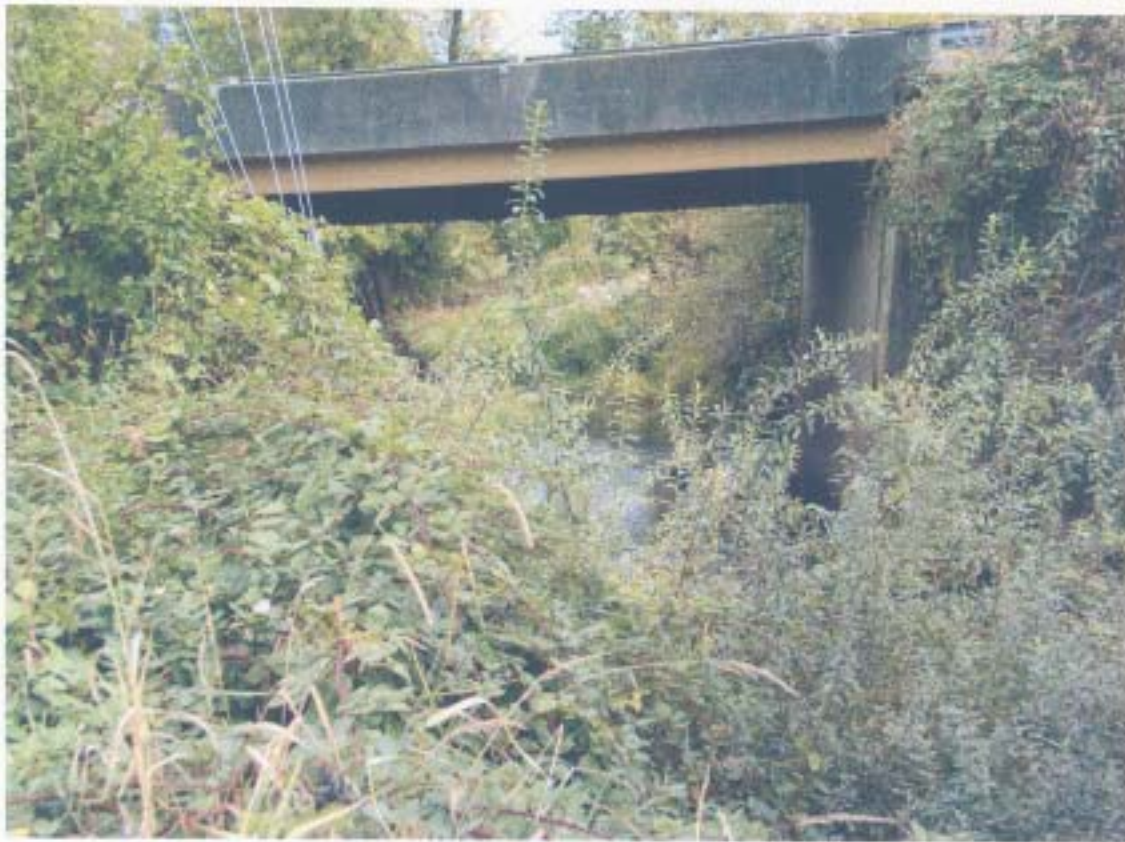
SE 190th facing south over Johnson Creek



SE 190th facing north over Johnson Creek



SE 190th over Johnson Creek looking west (downstream).



SE 190th over Johnson Creek looking east (upstream).



Underside of SE 190th structure over Johnson Creek





CITY OF GRESHAM

Department of Environmental Services
1333 N.W. Eastman Parkway
Gresham, OR 97030-3813
(503) 618-2525 • TTY (503) 661-3842
Fax (503) 661-5927

David S. Rouse
Director

October 9, 2003

Office of Administrative
Services
Shir Escobedo
Manager

Bob Thompson
Bridge Section
Oregon Department of Transportation
355 Capitol Street NE, Room 301
Salem, OR 97301

Office of Community
Relations
Tam Orsucci
Manager

RE: OTIA III Bridge Application

Parks & Recreation
Division
Dan Robertson
Manager

Dear Mr. Thompson:

Stormwater Division
Carmie Piek
Manager

Attached is the City of Gresham's application for an OTIA III Bridge Project on SE 190th/Pleasant View Drive in Gresham (off system). This is a resubmittal of a project we unsuccessfully submitted in the 2000 and the 2002 HBRR process and is the only project we are submitting an application for. As requested in the solicitation, the following items are attached:

Transportation Division
John Dorst
Manager

- Part 1 of the project prospectus
- Cost Estimate
- Photos
- Bridge Prospectus – Additional Information
- Detour Map

Wastewater Services
Division
Guy Graham
Manager

Water Division
Dale Anderson
Manager

The proposed year of construction is 2007. Even though the sufficiency rating is 65, we are submitting for a complete rebuild. Due to the scour critical condition, rehabilitation does not seem feasible in light of current environmental regulations. Forecast growth, including the Pleasant Valley Urban Reserve, is making this project more critical now than ever. Do not hesitate to contact me at 503-618-2402, if you have any comments or concerns on this project.

Solid Waste & Recycling
Program
Matt Korst
Manager

Sincerely,

91C21

John Dorst
Deputy Director of Environmental Services

JD/fm

Enclosures

pc: file

