







































Bridge Safety

Don Wagner, Regional Administrator Washington Department of Transportation Quote from Columbian, May 13, 2009

Wagner said the existing I-5 spans, opened in 1917 and 1958, are structurally solid.

Wagner said he has no doubts the existing crossings are safe, so much so that he drives and cycles across the spans without hesitation.

Bridge Seismic Upgrade

Expert Panel – December 12, 2006

- It is technically feasible to upgrade to current standards
- In Portland region, only new Sauvie Island Bridge meets the current standards
- Retrofit would be \$125 million to \$265 million





















High-Speed Rail

Eugene to Vancouver B.C.

- Washington State has applied for and been granted \$760 million in federal funds for high speed rail.
- Oregon hasn't made application yet.
- High speed rail from Eugene to Vancouver, Wash. will face big bottlenecks at the bridge across the Columbia, and in North Portland Yard. Our plan solves these.
- We help freight by taking all passenger trains off the existing, congested rail bridge across the Columbia.





Barge Traffic















Barging – The Fix

Estimated cost - \$42 million

- On record support from:
- Coast Guard
- Burlington Northern Santa Fe Railroad
- Columbia River Towboat Association
- Regional Governments





	CRC	CSA
I-5 Bridge Auto/Truck Lanes	10	6
Local Auto/LRT Bridge Auto/Truck Lanes 		2
Commuter Rail/Truck Bridge Auto/Truck Lanes 		2
Total Lanes	10	10

Passenger Capacity*		
	CRC	CSA
I-5 Bridge Auto Lanes @ 2,400/lane	12,000	7,200
Local Auto Bridge Auto Lanes @ 2,400/lane		2,400
LRT Bridge ▪ Light Rail	15,000	15,000
Commuter Rail/Truck Bridge		
 Truck/Auto Lanes @ 2,400/lane 		2,400
 Commuter Rail 		
 High Speed Rail (Not Included) 	-	-
Total * Passengers per hour per direction	27,000	27,000

Passenger Capacity*		
	CRC	CSA
I-5 Bridge Auto Lanes @ 2,400/lane	12,000	7,200
Local Auto Bridge Auto Lanes @ 2,400/lane 		2,400
LRT Bridge ▪ Light Rail	15,000	15,000
Commuter Rail/Truck Bridge		
 Truck/Auto Lanes @ 2,400/lane 		2,400
 Commuter Rail 		22,000
 High Speed Rail (Not Included) 		
Total * Passengers per hour per direction	27,000	49,000









Cost - Phase 1		
Project	CRC	CSA
 I-5 Bridge 	\$ 3.6 Billion	
 Railroad Bridge Lift 		\$ 0.1 Billion
Local Auto/LRT Bridge		
Phase 1 (To Hayden Is	.) -	\$ 0.2 Billion
Phase 2 (To Vancouve	er) -	
 Commuter Rail/Truck Br 	idge -	
Total	\$ 3.6 Billion	\$ 0.3 Billion

Cost - Phase 2		
Project	CRC	CSA
 I-5 Bridge 	\$ 3.6 Billion	
 Railroad Bridge Lift 		\$ 0.1 Billion
Local Auto/LRT Bridge		
Phase 1 (To Hayden Is	s.) -	\$ 0.2 Billion
Phase 2 (To Vancouv	er) -	
Commuter Rail/Truck B	ridge -	\$ 1.3 Billion
Total	\$ 3.6 Billion	\$ 1.6 Billion

Cost - Phase 3		
Project	CRC	CSA
 I-5 Bridge 	\$ 3.6 Billion	\$ 0.2 Billion
 Railroad Bridge Lift 		\$ 0.1 Billion
Local Auto/LRT Bridge		
Phase 1 (To Hayden	ls.) -	\$ 0.2 Billion
Phase 2 (To Vancou	ver) -	\$ 0.8 Billion
Commuter Rail/Truck	Bridge -	\$ 1.3 Billion
Total	\$ 3.6 Billion	\$ 2.6 Billion

Project	CRC	CSA
 I-5 Bridge 	\$ 3.6 Billion	\$ 0.2 Billion
 Railroad Bridge Lift 		\$ 0.1 Billion
Local Auto/LRT Brid	lge	
Phase 1 (To Hayc	len Is.) -	\$ 0.2 Billion
Phase 2 (To Vanc	ouver) -	\$ 0.8 Billion
 Commuter Rail/Tru 	ck Br. \$ 1.0 Billion	\$ 1.3 Billion
Total	\$ 4.6 Billion	\$ 2.6 Billion

All Costs		
Project	CRC	CSA
 I-5 Bridge 	\$ 3.6 Billion	\$ 0.2 Billion
 Railroad Bridge Lift 		\$ 0.1 Billion
Local Auto/LRT Bridge		
Phase 1 (To Hayden Is	s.) -	\$ 0.2 Billion
Phase 2 (To Vancouve	er) -	\$ 0.8 Billion
 Commuter Rail/Truck Bi 	r. \$1.0 Billion	\$ 1.3 Billion
Total	\$ 4.6 Billion	\$ 2.6 Billion
Associated Costs		
Interest on Toll Bonds	\$ 2.6 Billion	
 I-5 Rose Quarter 	\$ 1.3 Billion	
Grand Total	\$ 8.5 Billion	\$ 2.6 Billion

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CRC Needs Statem	ent

CRC CSA Response

- Limited public transportation operation, connectivity, and reliability
 Safety and vulnerability to incidents

- Impaired freight movement
 Seismic vulnerability (1 bridge vs. 3)
 Growing travel demand and congestion
 Substandard bike/pedestrian facilities

CRC Needs Statement

 Limited public transportation operation, 	CRC Resp	CSA oonse
connectivity, and reliability	Poor	Good
 Safety and vulnerability to incidents 	Fair	Good
Impaired freight movement	Fair	Good
 Seismic vulnerability (1 bridge vs. 3) 	Fair	Good
 Growing travel demand and congestion 	Fair	Good
 Substandard bike/pedestrian facilities 	Poor	Good

CRC Needs Statement & Other Issues

	Limited public transportation operation,	<mark>CRC</mark> Resp	CSA oonse
	connectivity, and reliability	Poor	Good
	Safety and vulnerability to incidents	Fair	Good
	Impaired freight movement	Fair	Good
	Seismic vulnerability (1 bridge vs. 3)	Fair	Good
	Growing travel demand and congestion	Fair	Good
•	Substandard bike/pedestrian facilities	Poor	Good
•	Construction Jobs		
•	Local Auto Access		
•	Ability to Phase Construction		
•	Response to Global Warming		
	Construction Cost		

CRC Needs Statement & Other Issues

	CRC	CSA
Limited public transportation operation	Resp	onse
connectivity and reliability	Poor	Good
Connectivity, and reliability		Good
Safety and vulnerability to incidents	Fair	Good
 Impaired freight movement 	Fair	Good
 Seismic vulnerability (1 bridge vs. 3) 	Fair	Good
 Growing travel demand and congestion 	n Fair	Good
 Substandard bike/pedestrian facilities 	Poor	Good
 Construction Jobs 	Poor	Good
Local Auto Access	Poor	Good
 Ability to Phase Construction 	No	Yes
 Response to Global Warming 	Poor	Good
Construction Cost	\$3.6 Bill.	\$2.6 Bill.

Financial Impacts of CRC

- stion Shift to Portland Severe congestion will move 1) Conge from the Columbia River crossing to Portland requiring an expansion of the Eastbank freeway
- Transportation Project Deferrals Inability to fund other needed Oregon transportation improvements because of 2) the high cost of the CRC
- Gas Tax Increase Increased gas tax required to fund CRC Tolls Required I-5 tolls required to fund CRC 3)
- 4)
- Portland Economy Degraded Severe congestion on Portland's freeway loop will reduce economic development potential 5)
- Vancouver Downtown Degraded Vancouver investment environment severely impacted by freeway air quality/noise and roadway scale 6)





















Independent Review Panel - 7/30/10

Recommendation 18: The IRP encourages ODOT fully develop a solution for I-5 from I-405 to I-84.

- Demonstrate how the two separate projects (CRC and Rose Quarter) will fit and complement each other.
- Include a cost estimate and impact analysis.

Independent Review Panel - 7/30/10

Recommendation 18: The IRP encourages ODOT fully

develop a solution for I-5 from I-405 to Demonstrate how the two section de constrate how the two section de cost (CRC and Rose Quarter) will fixed to the cost other.
 Include a cost gese Quarter Reput de cost other analysis.













Next Steps

- City, Metro and State must:
- Acknowledge that the current CRC proposal is fatally flawed.
- 2) Develop an affordable and responsible alternative.

