

#### Workshop Agenda

MEETING TITLE: Project Sponsors Council Workshop with Integrated Project Staff

**DATE**: Friday, May 14, 2010 **TIME**: 10 a.m. – 12:30 p.m.

LOCATION: Oregon Department of Transportation Region 1

123 NW Flanders St, Portland, OR

TIME	AGENDA TOPICS
10:00 a.m.	Welcome
10:15 a.m.	<ul> <li>IPS Work Plan Progress Reports</li> <li>Redesigned Hayden Island Interchange</li> <li>Remove Hayden Island Interchange/Alternative Access</li> <li>Alternative 10-Lane Bridge</li> </ul>
11:15 a.m.	Break
11:30 a.m.	IPS Work Plan Progress Reports – continued  • Metroscope
12:00 p.m.	<ul> <li>IPS Work Group Updates</li> <li>Performance Measures</li> <li>Managed Lanes/HOV</li> <li>Transportation Demand Management</li> </ul>
12:30 p.m.	Adjourn

#### TRANSIT DIRECTIONS from PORTLAND:

From SW 4<sup>th</sup> and Yamhill, board MAX Red line to Airport. Exit at Old Town/Chinatown MAX Station. Walk west to 123 NW Flanders St.

#### TRANSIT DIRECTIONS from VANCOUVER:

From the Vancouver Mall Transit Center, board the #4 bus (Fourth Plain WB). Exit at Delta Park/Vanport MAX station. Board MAX Yellow line to City Center. Exit at Union Station / NW 5<sup>th</sup> and Glisan St. MAX station, walk 0.2 mile north to 123 NW Flanders St.

For detailed trip planning, please contact the two transit agencies: C-TRAN, <u>www.c-tran.com</u>, 360-695-0123, or TriMet, <u>www.trimet.org</u>, 503-238-RIDE.

Meeting facilities are wheelchair accessible and children are welcome. Individuals requiring reasonable accommodations may request written material in alternative formats or sign language interpreters by calling the project team at the project office (360-737-2726 and 503-256-2726) in advance of the meeting or calling Washington State's TTY telephone number, 1-800-833-6388.

#### **Schedule**

#### **Project Sponsors Council Workshops:**

- May 14
- June 11
- June 25
- July 16
- July 23 if needed

#### **Public Hearings:**

- June 11, focus on Hayden Island
- July13 if needed

#### **Independent Review Panel:**

- May 19-20
- June 1-2
- June 17-18
- July 7-8 if needed



#### **Workshop Summary**

WORKSHOP: Columbia River Crossing (CRC) Project Sponsors Council and

**Integrated Project Staff** 

**DATE:** April 23, 2010, 10:00 am – 12:30 pm

LOCATION: Washington State Department of Transportation (WSDOT), SW Region

11018 NE 51st Circle, Vancouver, WA

#### PROJECT SPONSORS COUNCIL ATTENDEES:

Horenstein, Steve	Co-Chair, Washington
Bragdon, David	Council President, Metro
Garrett, Matthew	Director, Oregon Department of Transportation
Hammond, Paula	Secretary of Transportation, Washington State
Hansen, Fred	General Manager, TriMet
Harris, Jeanne	City Councilor, City of Vancouver
Stuart, Steve	Chair, SW Washington Regional Transportation Council

#### PROJECT SPONSORS COUNCIL MEMBERS ABSENT:

Hewitt, Henry	Co-Chair, Oregon
Adams, Sam	Mayor, City of Portland
Leavitt, Tim	Board Member, C-TRAN

#### **INTEGRATED PROJECT STAFF:**

Brandman, Richard	ODOT CRC Project Director
Wagner, Don	WSDOT CRC Project Director
Rorabaugh, Thayer	Transportation Director, City of Vancouver
Hamm, Jeff	Executive Director, C-TRAN
Brooks, Katy	Community Planning & Outreach Manager, Port of Vancouver
Lookingbill, Dean	Transportation Director, SW Washington Regional Transportation Council
Smith, Paul	Transportation Planning Division Manager, City of Portland
Cotugno, Andy	Policy Advisor, Metro
Lehto, Alan	Director of Project Planning, TriMet

#### INTEGRATED PROJECT STAFF ABSENT:

Lahsene. Susie	Regional Transportation and Land Use Manager, Port of Portland

#### OTHER PRESENTING STAFF:

LeProwse, Ryan	CRC Traffic Engineering
Liles, Casey	CRC Highway Engineering
McCaig, Patricia	CRC Communications
Ransom, Matt	City of Vancouver Department of Transportation

**Note**: Workshop materials and handouts referred to in this summary can be accessed online at: http://www.columbiarivercrossing.org/ProjectPartners/PSCMeetingMaterials.aspx

1 5/12/2010

#### Welcome

Secretary Paula Hammond introduced new Project Sponsors Council (PSC) members appointed by Governor Christine Gregoire. The new PSC new co-chair is Steve Horenstein. Mr. Horenstein has a long and active history of work in Vancouver and Clark County including with the Columbia River Economic Development Council and the Greater Clark County Chamber of Commerce. Jeanne Harris is the newly-appointed PSC member for the City of Vancouver and is a member of Vancouver's City Council, and board member of both C-TRAN and the Southwest Washington Regional Transportation Council.

#### Integrated Project Sponsors Council Staff Overview

Patricia McCaig, Columbia River Crossing staff speaking for the absent Henry Hewitt, provided an overview of the Integrated Project Staff (IPS) group's purpose. PSC members decided at their March 12 meeting that a timely, credible, and collaborative process is needed to discuss and resolve outstanding issues. PSC members and the Ports have each appointed a staff delegate to meet on a regular basis and produce work following a work plan focused on some of the project conclusions to-date as well as several additional alternatives. Today's meeting will look at the work plan that the IPS members have agreed to at this point so PSC members can comment.

IPS work plan items include:

- Remove Hayden Island Interchange & Alternative Access
- Redesign Hayden Island Interchange
- Remove City Center Access
- Alternative 10 Lane Bridge, Managed Lanes
- Post-Completion Transportation Demand Management
- Performance Measures
- Metroscope Modeling

All work groups will report their findings back to the entire IPS before presenting it to PSC members. Some of this work will be advanced by the May 14 PSC meeting/work shop where IPS members will present their work, receive comment, and have the PSC draw conclusions about items that are ready for decision.

### Background for Work Plan Discussion – Review Current 10-Lane Locally Preferred Alternative Proposal

Casey Liles, CRC Highway Engineering Manager, reviewed the current 10-lane Locally Preferred Alternative (LPA) Phase I proposal for PSC members. This included a description of the number of lanes, add/drop lanes, and interchange movements along the project's five-mile length.

#### **IPS Work Plan Progress Reports**

IPS members leading each of the work plan items presented an overview of their tasks.

#### Remove Hayden Island Interchange & Alternative Access

Richard Brandman, CRC co-director, explained that there are two separate work plan items concerning Hayden Island. This item asks the question of it's possible to remove the existing interchange at Hayden Island and provide access in an alternative manner. Casey Liles presented a number of interchange and arterial bridge options for Hayden Island that had been studied by the project or others, but did not move forward for a variety of reasons.

Paul Smith, City of Portland, explained that this task will look at removal of the Hayden Island interchange and how to approach a redesign of the Marine Drive interchange that would also serve the island. The City of Portland has hired URS, a freeway engineering consultant, to develop options and provide technical analysis for the interchange and will work with CRC staff to evaluate these ideas. Additional

traffic analysis may be conducted by CRC with assistance from Metro, SW Regional Transportation Commission, and the City of Portland. A joint work session for this task is planned in May. This work plan item is linked to the Alternative 10-Lane Bridge item, described below.

#### Redesigned Hayden Island Interchange

Andy Cotugno, Metro, described an effort to explore a redesigned interchange at Hayden Island with CRC staff and island residents. The purpose of this task is to see if there are designs that can perform similar movements with a smaller footprint. New design concepts will be presented to the IPS in April. CRC will provide conceptual analysis of the new design.

#### **Remove City Center Access**

Thayer Rorabaugh, City of Vancouver, briefed the group on analysis conducted by the City of Vancouver to explore the option of removal of the City Center/C Street access to Downtown Vancouver that came out of questions raised about reducing the footprint of the interchange and number of lanes of the highway, as well as cost, to the extent possible.

PSC members agreed with the City's conclusions that: a) there are no reasonable reductions in the mainline that could be gained from closing the downtown interchange due to stacking of the SR14 and Fourth Plain on-ramps at that point and b) removal of the downtown interchange would contribute to arterial traffic failures in the downtown area. This IPS work plan task is complete and will no longer be considered.

#### **Alternative 10-Lane Bridge**

Paul Smith explained that the City of Portland is directing their consultant, URS, to look at a permanent 10-lane bridge configuration, alternative designs for interchanges/collector-distributors in the project area, and traffic management options. Under this scenario, a 12-lane bridge would not be possible in the future. The goal of this exercise is to find alternatives that provide equal functionality at a lower cost. URS and CRC will work together to evaluate possible changes in the designs.

#### Managed Lanes

Jeff Hamm, C-TRAN, gave an overview of this task. The workgroup will be looking at a range of managed lane topics including high occupancy vehicle (HOV) and high occupancy toll (HOT) lanes, variable speed limits, ramp metering, preference for freight movement. This group will be reviewing work done to-date on HOV lane concepts and determine whether further work is desired.

#### **Post-Completion Transportation Demand Management**

Matt Ransom, City of Vancouver, reported that the group working on this task will be reviewing options for a post-construction TDM program. Their report will summarize these findings, as well as capital and operating costs.

#### **Performance Measures**

Katy Brooks, Port of Portland, reported that this work group has met and discussed four measures that will likely be explored in more detail, including: freight travel time, reliability, and queuing; multiple occupancy vehicles travel time, reliability, and queuing; GHG emissions; and benefit-cost analysis.

#### Metroscope

Andy Cotugno briefed the group on the potential use of an updated Metroscope model for the project. The latest version of Metroscope includes new assumptions about land use and regional transportation projects in Oregon and is being used by Metro to predict how land use patterns will change under different conditions. Metro proposes to also run a no-build scenario and a scenario for a 12-lane bridge, light rail transit, and no tolls for purposes of comparison. Additional model runs will take approximately 8 weeks to complete and cost about \$100,000. Metro is now running Metroscope for their own planning purposes, which will include the currently proposed Phase 1 LPA, including a10-lane bridge, light rail transit, and tolls. Richard Brandman said this new model run will be compared with the previous Metroscope used for CRC and other regional transportation projects before further discussion with the

IPS. Mr. Cotugno reported there has been one meeting so far on Metroscope assumptions. Steve Horenstein requested to be at the next meeting to discuss these assumptions.

#### **Independent Review Panel Update**

Director Matt Garret and Secretary Paula Hammond provided an update on the Independent Review Panel (IRP) requested by Governors Kulongoski and Gregoire. Both governors have selected IRP members, including Tom Warne who will serve as the IRP Chair.IRP members bring expertise in the areas of project implementation and scheduling; risk assessments; value engineering; planning; permitting; highway, urban, and context-sensitive design; project readiness, and project management. The panel's charge will be to assess the implementation plan for the CRC project, review the financial plan for the project, and review and evaluate post-construction performance measures.

The first formal meetings of the IRP will be May 19-20. The IRP's report will be submitted to the Governors by July 30, 2010.

#### **Next workshop**

Friday, May 14, 2010 | 10:00 a.m. – 12:30 p.m.

Oregon Department of Transportation, Region 1 123 NW Flanders Street Portland , Oregon



#### **Memorandum**

May 10, 2010

TO: **Project Sponsors Council** 

FROM: Travis Brouwer, ODOT Federal Affairs Advisor

Larry Ehl, WSDOT Federal Relations Manager

SUBJECT: Summary of March presentation on Funding Projects of National and

Regional Significance

#### Funding Projects of National and Regional Significance

Travis Brouwer, ODOT Federal Affairs Advisor, and Larry Ehl, WSDOT Federal Relations Manager. provided an overview of the process and methodology for funding Projects of National Significance (PNS). Topics included program background, the history of the two states' experience with the program, including impacts this may have had on local and regional funding requests, and Congress' intent and timeline for the program.

#### **Strategy Overview**

ODOT and WSDOT are requesting funding for the CRC's highway component in the PNS account to ensure that the project competes at the national level against other megaprojects rather than at the regional and local level against local and state project funding requests in the Portland/Vancouver metro region. There are no other projects in the Portland/Vancouver metro region or the rest of the state of Oregon that would be competitive in this program; however, there are several projects in Washington that could be competitive.

We believe we have an excellent opportunity to secure significant funding for the project with regional support, and we believe the \$400 million in federal highway program funds assumed in the finance plan is reasonable given our experience in securing megaproject funds in SAFETEA-LU, the current interest we've seen in funding projects of regional and national significance, and the likely growth in the size of the federal transportation program.

#### Our Experience in SAFETEA-LU/Creation of Projects of National and Regional Significance There are two general types of earmarks:

- "Above the line"/megaproject earmarks, which provide large amounts of additional money for larger projects, and this funding does not come out of a state's normal formula funding.
- "Below the line", mainly known as High Priority Projects, which generally provide smaller amounts; these come out of formula money states, metro regions, and local governments otherwise would receive. Each member of Congress generally receives an allocation of funds to distribute to projects under this program.

These two types of earmarks are generally distributed separately, so there isn't a direct connection between what you get in one group and what you get in another.

In SAFETEA-LU Congress created the Projects of National and Regional Significance (PNRS) and National Corridor Infrastructure Investment programs as "megaproject" programs to provide funding to projects that are nationally or regionally important and therefore arguably deserve significant federal funding and which are unlikely to be completed without significant federal funding because of their size.

These two programs provided a total of \$3.6 billion. Oregon and Washington received a total of \$420 million in megaproject money in SAFETEA-LU from PNRS. Corridors, and the Bridge programs:

> 5/10/2010 1

- Oregon received a total of \$200 million to complement and extend the OTIA III State Bridge Program.
- Washington received \$220 million in PNRS money for the Alaska Way Viaduct; Washington received this money in part because the region's congressional delegation and local stakeholders were united in their support for the request.

By comparison, \$17.3 billion was provided for 5500 earmarks in the two main "below the line" earmark programs, so the vast majority of money is for smaller earmarks. Receiving significant megaproject earmarks didn't reduce earmarks for other state and local agency requests and didn't reduce formula funding for OR and WA:

- Oregon still received \$332 million in earmarks for other projects.
- Washington received \$299 million in money for state and local agency projects; about 2/3 of that went to projects in Puget Sound—the same region that contains the Alaska Way Viaduct.

Going Forward: Congressional Proposals and Their Impacts to CRC and Other Requests
In the House bill proposed by Chairman Oberstar and Congressman DeFazio, known as the Surface
Transportation Authorization Act, these PNRS and Corridors programs are consolidated into a Projects of
National Significance Program (PNS), and they are refocused and expanded significantly. The funding
level would go from \$3.6 billion for PNRS and Corridors in SAFETEA-LU to a proposed level of \$25
billion—a nearly sevenfold increase.

Oberstar wants to refocus the program on projects of truly national significance; he dropped regional from the title and the selection criteria in the bill reflect this: The program's purpose is to fund projects that "generate national economic and mobility benefits, including improving economic productivity by facilitating international trade, relieving congestion, and improving transportation safety by facilitating passenger and freight movement" and "can not easily be addressed or funded through State apportionments of Federal surface transportation funds".

Unlike the TIGER program, the criteria focus on much larger projects and with a stronger freight focus. The criteria closely match the CRC because it is an Interstate route with heavy freight volumes and provides access to international ports. With support from the region we'll be more likely to be successful in this program and bring additional resources into the region to create jobs

#### **Earmark Versus Discretionary**

Chairman Oberstar does not want to earmark the PNS program; he wants to leave it to US DOT as a discretionary competitive grant program. If it's left as a discretionary program, we believe CRC will be very competitive, and \$400 million would be very reasonable, as it's just 1.6% of the proposed funding level.

Two US DOT programs have demonstrated that significant grant awards are possible when US DOT has a lot of money in a discretionary program:

- In the New Starts program, grants are regularly running in the range of half a billion dollars, from a program that over the course of SAFETEA-LU had about \$8 billion available
- The ARRA High Speed and Intercity Passenger Rail program had \$8 billion available, and we saw six separate grants of at least half a billion dollars—including one for \$1.1 billion (FL) and one for \$2.25 billion (CA).

The ARRA TIGER program awards weren't as large, but the program funding level was significantly lower and wasn't as focused on megaprojects.

If PNS is earmarked, Congress will likely spread the money around a bit more, but \$400 million—\$200 million per state— is still a very reasonable request given the priority of the project for the two states and the positions our delegation members occupy on congressional authorizing, appropriations, and finance committees.

The budgetary environment is now very favorable to megaprojects. Between PNS and TIGER, Congress has shown they strongly support funding for major projects that have regional and national significance. The Obama Administration has also added to the chorus in support of paying for big projects by requesting \$4 billion in the FY 2011 budget to create the National Infrastructure Innovation and Finance Fund, a hybrid grant program/infrastructure financing fund that would provide grants and loans, for major projects, so even though they don't have a bill yet they've shown their support for funding major projects.



# Public Comments Addressed to CRC Project Sponsors Council

**December 5, 2009 – May 13, 2010** 

WASHINGTON STATE UNIVERSITY



Office of the Chancellor

January 12, 2010

Governor Christine O. Gregoire State of Washington P.O. Box 40002 Olympia, WA. 98504-0002 RECEIVED

olumbia River Crossing

Dear Governor Gregoire:

In August 2008 you appointed me to be co-chair of the Columbia River Crossing Project Sponsor's Council.

I was delighted to serve in this capacity because I believed the project would benefit the combined Oregon and Washington communities both tangibly and intangibly. I still believe so and see it as important for safety, commerce and community building. I have been especially pleased at the way in which elements on both sides of the river coalesced to address common issues and with the creative problem solving of the CRC staff.

However, in early December I received a diagnosis which has required me to restrict my activities and focus my attention. Today I began a series of follow-up treatments that demand my attention even more.

Unfortunately, I have concluded that my contributions to the Council in my current condition could not be at the level which this project deserves. Both for benefit of the project and for my own need to focus, I must, regrettably, resign as Co-Chair of the Columbia River Crossing Project Sponsor's Council. I know that this letter comes at a difficult time and I remain willing to assist in any way that I reasonably can.

Finally, thank you for the opportunity. I had a chance to learn a great deal during the past 5 years of working on this effort.

Sincerely,

H. A. Dengerink

Chancellor

Washington State University Vancouver

Cc: Project Sponsor's Council

Schuyler Hoss

Here is what we need to do (transportation related):

- 1. Toll both Columbia River crossings, now.
- 2. Significantly increase bus service to/from Vancouver.
- 3. Paint 24 hour HOV lanes in both directions and on both crossings, and enforce them.

Those are the easy and quick solutions.

Now moving on to the long term solutions:

- 4. Modify the railroad bridge to move its lift span, and reconfigure the Columbia channel to align it with the hump in the I-5 Bridge. The dangerous S turn for ships and barges is eliminated by aligning the hump and the railroad lift and we reduce the need for I-5 bridge lifts to almost zero.
- Restrict pleasure craft (sailboats and yachts) from having bridge lifts during peak periods.
- 6. Build a small local bridge to Hayden Island from Portland, including planning for Light Rail on it in the future. Close the I5 ramps to Hayden Island to all except emergency vehicles. This gets rid of the merging at Hayden Island, and also gives two bridges to the Island in the event of emergency.
- 7. Institute commuter rail between Portland and Vancouver on the existing railroad tracks.
- 8. Seismically retrofit the existing I-5 bridges and while doing so increase the size of the pedestrian and bicycle paths (like the Hawthorne Bridge).

Those 8 things would solve 95% of the problems. Once you do that - you can then start working on these:

- Begin planning for a third bridge, preferably a non-interstate bridge.
- 10. Begin planning for Light-Rail or BRT access into Clark County.

Here is what we should be doing (starting NOW) from a regional standpoint to decrease the need for transportation solutions:

- 11. Begin work to increase supply of affordable and desirable housing in inner Portland, to reduce the need for people to move to Vancouver.
- 12. Begin work to increase quality of Portland schools to reduce the desirability of moving to Vancouver.
- Begin work to increase the number of quality jobs in Vancouver to reduce the need for Vancouver residents to commute to Portland.

Sincerely, Bret Hooper 417 NW 74<sup>th</sup> St. Vancouver, WA 98665 Bret.hooper@metso.com

## TERRY PARKER P.O. BOX 13503 PORTLAND, OREGON 97213-0503

January 22, 2010

Subject: Testimony to the Columbia River Crossing Sponsors Council

Redistribution of wealth is specifically constrained in the US Constitution. If tolls are charged motorists to subsidize another mode of transport, that would be a redistribution of wealth in direct conflict with the common interpretation of the constitution. The term "wealth" here applies to the simple earnings of the working class who commute by driving. Therefore, if motorists are charged tolls, the freeloading bicyclists and heavily subsidized transit passengers MUST also be required to directly pay for the specialized infrastructure they use - with bicycle tolls and transit fare surcharges respectively.

Secondly, this is not a social engineering project. If cuts are being made to the highway components, then balance and equity must prevail here too. Cuts MUST also be made across the board to the other transport mode components too. Those cuts need to include cutting out all the unnecessary recreational bicycle trails that have hitched a ride to this project, eliminating the frills such as turn outs on the crossing so bicyclists can stop and view Mt. Hood, and narrowing down the overly-wide, super-sized, bicycle crossing itself. The mega light rail component also needs to receive its share of cuts and all the non-functional artsy add-ons also need to be eliminated.

Respectfully submitted,

Terry Parker

The New Interstate 5 Bridge crossing over the Columbia river from Portland Oregon to Vancouver Washington, infrastructure design should include, large scale electric power generation from Damless passive "Horizontal-axis Impulse turbines" hydroelectric generation for Electrolysis

Damless Hydrokinetic hydroelectric is a relatively new technology based on capturing the kinetic energy of rivers, without the need to construct dams. "Run-of-the-river" hydro installations usually using underwater plant resembling a Gorlov helical Impulse turbine.

#### "A better type of bridge pilings".

We are forced to replace the old bridge DUH if we have to put a big piece of concrete in the middle of the mighty Columbia River, Have them make our electric power.

It can pay for the crossing bridge. Through this civil works project pairing with The U.S. Department of Energy EPSCoR.

#### The Department of Energy's Experimental Program to Stimulate Competitive Research (DOE EPSCoR)

a federal-state partnership program designed to help the Department lead the world in meeting today's and tomorrow's energy needs through increased competition in energy-related research and development across the entire nation. The program supports DOE's overarching mission of advancing the national, economic, and energy security of the United States, by promoting scientific and technological innovation uniquely to designated EPSCoR states and territories. The mission of DOE EPSCoR is to support basic research activities spanning the broad range of science and technology programs within DOE, and to increase the number of scientists and engineers in energy-related areas. DOE EPSCoR manages a research portfolio that supports fundamental research programs in basic energy sciences, biological and environmental sciences, computational science, materials and chemical sciences, climate change, geosciences, genomics, life sciences,

#### and The U.S. Department of Transportation

the I-5 Crossing as an energy system can, create a rise of industry around the inexpensive electric and hydrogen, allow us to remove the power house at the Bonneville Lock and Dam, give us back our salmon

This is how

http://www.inhabitat.com/2008/09/10/oxford-engineers-transverse-horizontal-axis-water-turbine/

When most people think of hydro-electric power they probably think of large dam projects such as China's Three Gorges Dam, India's dams on the Narmada River, or closer to home (at least to my home) the Hoover Dam. Perhaps needless to say, big hydroelectric projects like this can generate a great deal of power, but there is significant environmental trade off, like no salmon.

A less environmentally intrusive way is known as Hydrokinetic Power that describes run-of-river hydro as well as most terms:

Hydrokinetic power makes use of swiftly flowing rivers to turn or move turbines, which in turn generate electricity. Hydrokinetic power is distinct from traditional hydropower in that dam construction is not required. Typically, a Hydrokinetic turbine is submerged and secured to the riverbed, or is attached to infrastructure, such as bridge pilings

Hydrokinetic Power, "Capturing the kinetic energy of rivers, without the need to construct dams". Usually using an underwater plant resembling a Gorlov helical Impulse turbine.

As no dam is required, it will dramatically reduce the major disadvantages associated with traditional hydroelectric systems. Like no Salomon.

These Damless hydro systems require little to no maintenance. The initial setup cost and environmental impact is minimal in comparison to the cost of building dams.

There is no risk of flash flooding caused by a breached dam and no risks during construction of a dam.

The environmental benefits speak for themselves:

No flooding of large catchment areas, thus resulting in no effect on the natural ecosystem in the river valley.

No silt accumulation in the dam basin

No need for fish ladders

No additional greenhouse gases (Dams create greenhouse gases)

The development of damless hydro technology is being regarded very favorably by all concerned. It is likely that it will take the lead as the future choice for hydro electricity generation.

Based on current project proposals, experts predict that the country could be producing 13,000 MW of power from hydrokinetic energy by 2025. This level of development is equivalent to displacing 22 new dirty coal-fired power plants avoiding the annual emission of nearly 86 million metric tons of carbon dioxide, as well as other harmful pollutants like mercury and particulate matter. The avoided carbon emissions in 2025 would be equivalent to taking 15.6 million cars off the road. State and federal policymakers across the U.S. have taken notice of the potential of hydrokinetic energy, and have begun to support its development through legislative and monetary means;

Operating as an Independent Power Producer (IPP), the I-5 Crossing Project can sell the power generated by its hydro kinetic turbine via long-term, wholesale power purchase agreements (PPAs) to project equity partners, power marketing firms, utilities, cities and industrial interests.

In-stream hydrokinetic power projects will generate the lowest cost renewable power since water currents are predictable and available 24 hours a day, unlike solar, and have an energy density 850 times greater than wind

River and ocean-based hydrokinetics projects will operate in baseload fashion, which is important for grid reliability, reducing the impacts of climate change and to better meeting our nation's growing electricity needs

Hydrokinetic power projects, generate electricity exclusively from moving water (river currents, tidal currents and ocean currents) without having to construct dams, impoundments or conduits.

The next piece, Electrolysis

The Electrolysis process splits hydrogen from water.

Hydrogen Energy will be produced huge volume at this a large central facility, thereby lessening the need for the out dated Bonneville Lock and Dam and it's Old, hydro-electric power station and it's miles of high voltage transmission power lines.

Once this Hydroelectric-Electrolysis Columbia River Channel control complex is constructed, it will make Jansen Beach the world's largest Hydrogen Refueling station. Well placed for serving hydrogen vehicles, cars, trucks, boats, planes, trains, and sea going ships, or space bound rockets.

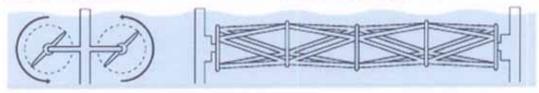
PLUS,
Home fuel cells, also called micro combined heat and power (microCHP) and microgeneration and portable
(Movable) fuel cell applications that are either used as micropower in consumer electronic devices to
provide power or as portable power.

Ending Batteries in the landfill.

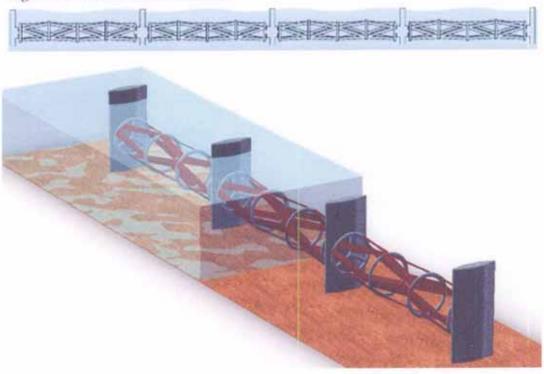
And O' yea, it makes profit \$ = JOBS

Thank you for your time: James Taylor 1219 NE 98th AVE Vancouver WA 98664 cp 360-980-9330

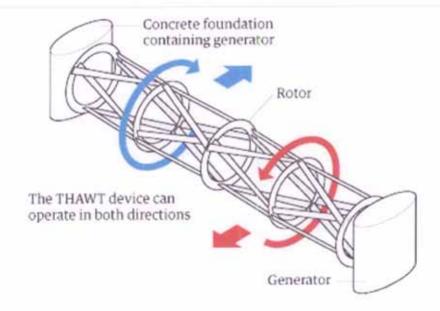
Conventional tidal turbines (below left) operate like windmills and must be turned with the tides The **THAWT** device (below right) is more robust and so can be larger, harnessing more of the energy of the flow



Multiple THAWT rotors can be chained together across the width of channel



#### Next generation marine turbine



### Columbia River CROSSING **Comment Form**

Thank you for taking time to give us your comments and help shape the future of this project.

Completed forms may be mailed to the address listed on the other side, or given to a staff member. Comments may also be e-mailed to feedback@columbiarivercrossing.org.

MY COMMENT IS ABOUT (feel free to fill	out multiple forms)
☐ Bridge design and aesthetics	☐ Safety
☐ Bicycle and pedestrian paths	□ Process
☐ Interchange design	Tolling
☐ Light rail	Other 10 10 10 11
☐ Environmental issues	FINANCING PROJECT
If the study findi	igs conclude that the
vast majority of to	idge use, toth, peak and
of grat, is to get t	o a job, then, what is
manstry's ability to	Pay in order to acheme
"economic vitality?	Treight should consolidate
loads and ship show	e creative y- Residents.
NOT just the truck	Exeight should consolidate e creatively-REGIONALLY. ing industry, but, more
ancertate by any	and all industry requiring
an employee to get	18 x pb to the threeties
of tacilitating and	maintait ing employment.
So fur discussion i	s around a citizens ability
1. Down Heretove, the	a burden is shufted only
If the burden is a	in industry, then, they
will examine their hir	ing practices in remitted
to funding sprawl,	ing practices in relation Who's "atility to PAY!?!"

- over

TELL US ABOUT YOURSELF	<b>基础性是,影像性风险。</b>
Home Zip Code 97068 Work Zip Code	97217
Do you (check all that apply)  Live in the project area  Work in the project area  Own a business in the project area	project area .
How do you regularly travel through the project area? (check all that ap)  Car of Truck  Bicycle  Other  Bus	
NEED MORE INFORMATION?	<b>企业的</b>
Speaker   Would you like a presentation to your community group? Who show Name (First & Last Name, Organization) Chris Henry Phone / E-Mail 609, 443, 5801 Cherry (	Pacific Eveen Party Paly edn
Name of Event Phone Chris Henry (see above)	can tell others about this project:
Translation   Does your group need information in a language other than Eng.  □ Yes What language?	lisb?
SIGN UP FOR PROJECT UPDATES   Optional  YES Would you like to be added to the project NO mailing list?	Thank you!  Please give this form to a staff person or send it to the project office in a stamped envelope.
Name (First & Last Name, Organization)	MAIL
Please, save the paper and sta Address (Street, City, State, Zip) Email ONLY.	700 Washington Street, Suite 300 Vancouver, WA 98660
Chenry Q Pdx . edu  E-mail (enter address to receive monthly electronic updates)	FAX 360-737-0294
	E-MAIL feedback@columbiarivercrossing.org

AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION Materials can be provided in alternative formats: large print, Braille, cassette tape, or on computer disk for people with disabilities by calling the Office of Equal Opportunity (OEO) at (360) 705-7097. Persons who are deaf or hard of hearing may contact OEO through the Washington Relay Service at 7-1-1.

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MY COMMENT IS ABOUT (feel free t	o fill out multiple forms)
☐ Bridge design and aesthetics	☐ Safety
☐ Bicycle and pedestrian paths	Process
☐ Interchange design	Tolling
☐ Light rail ☐ Environmental issues	Other
Holling findings: the "15 hours	s drily congertion for no-build aprient
is hard to believe. They mode	lled diversion of traffic to I-205
dre to tolling - did they me	space diversion due to consocat ?
Are we sure that growth pringer	tions supporting this number are
Still securate or exam be it	7 Al (parting this humber are
tell converse included in the	tialings?

Home Zip Code 9 72 (1 Work Zi	ip Code
Do you (check all that apply)  Live in the project area  Work in the project area  Own a business in the project area	ough the project area
How do you regularly travel through the project area? (check all Walk Bicycle Other Bus	Il that apply)
NEED MORE INFORMATION?	
Speaker   Would you like a presentation to your community group? Volume (First & Last Name, Organization)  Phone / E-Mail	Who should we contact to schedule this?
Upcoming community events   Please suggest events, festivals, etc.	where we can tell others about this project:
Name of Event	Date
Name of Event  Contact person, Phone	Date
NWW.SXI SALES	
Contact person, Phone  Translation   Does your group need information in a language other to a language other to the language?  SIGN UP FOR PROJECT UPDATES   Optional	Thank you!
Contact person, Phone  Translation   Does your group need information in a language other to  Yes What language?	rban English?
Contact person, Phone  Translation   Does your group need information in a language other to yes   What language?  SIGN UP FOR PROJECT UPDATES   Optional   YES   Would you like to be added to the project	Thank you!  Please give this form to a staff person or send it to the project office
Contact person, Phone  Translation   Does your group need information in a language other to yes   What language?  SIGN UP FOR PROJECT UPDATES   Optional   YES   Would you like to be added to the project   NO mailing list?	Thank you!  Please give this form to a staff person or send it to the project office in a stamped envelope.
Translation   Does your group need information in a language other to Yes What language?  SIGN UP FOR PROJECT UPDATES   Optional  □ YES Would you like to be added to the project □ NO mailing list?  Name (First & Last Name, Organization)	Thank you!  Please give this form to a staff person or send it to the project office in a stamped envelope.  MAIL  Columbia River Crossing 700 Washington Street, Suite 36

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MY COMMENT IS ABOUT (feel free to	fill out multiple forms)
☐ Bridge design and aesthetics ☐ Bicycle and pedestrian paths ☐ Interchange design ☐ Light rail ☐ Environmental issues	Safety Process  Tolling Other
The people who de	cile where or not
to contine this Same people is	s project are the
	that does not benefit the Pellic.

TELL US ABOUT YOURSELF	(1) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A
Home Zip Code 972 // Work Zip	Code
Do you (check all that apply)  Live in the project area  Work in the project area  Own a business in the project area	igh the project area
How do you regularly travel through the project area? (check all Car or Truck Walk Bicycle Other Bus	that apply)
NEED MORE INFORMATION?	
Speaker   Would you like a presentation to your community group? W.  Name (First & Last Name, Organization)  Phone / E-Mail	ho should we contact to schedule this?
Upcoming community events   Please suggest events, festivals, etc. w Name of Event Contact person, Phone	bere we can tell others about this project:  Date
Translation   Does your group need information in a language other the  ☐ Yes What language?	an English?
SIGN UP FOR PROJECT UPDATES   Optional	Thank you!
☐ YES Would you like to be added to the project ☐ NO mailing list?	Please give this form to a staff person or send it to the project office in a stamped envelope.
Name (First & Last Name, Organization)  Address (Street, City, State, Zip)	Columbia River Crossing 700 Washington Street, Suite 300 Vancouver, WA 98660
	FAX 360-737-0294
E-mail (enter address to receive monthly electronic updates)	E-MAIL feedback@columbiarivercrossing.org

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MY COMMENT IS ABOUT (feel free to fill out	multiple forms)
☐ Bridge design and aesthetics ☐	Safety
☐ Bicycle and pedestrian paths	Process
	Tolling
	Other
Environmental issues	
Please Start listeni	ng to what our
communities are saying	y: There is not consent
among communities on e	ither side of the river
and both Portland + Var asked for more dialog	1 convers mayors have
asked for more dialog	we and input from
their constituents before	the project moves
We want to see no	n-biased + fair assessment
of the bridge pr	lost and Cozemmissions
VVE do VLOT WANT	to be given biased
environmental informa	tion from an
Environmental justice" con	imittee created by
The project sponses 4	hemselves to
greenwash the proje	et.

over -

TELL US ABOUT YOURSELF	· · · · · · · · · · · · · · · · · · ·
Home Zip Code 97206	Work Zip Code
	ommute through the project area
How do you regularly travel through the project and Car or Truck Walk Bicycle Other Bus	rea? (check all that apply)
NEED MORE INFORMATION?	<b>第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十</b>
Speaker   Would you like a presentation to your commuName (First & Last Name, Organization) NO Phone / E-Mail	manipulation or greenwashing,
Upcoming community events   Please suggest events, Name of Event	festivals, etc. where we can tell others about this project:  Date
Translation   Does your group need information in a land	guage other than English?
SIGN UP FOR PROJECT UPDATES   Op	tional Thank you!
☐ YES Would you like to be added to the pro ☐ NO mailing list?	Please give this form to a staff
Name (First & Last Name, Organization)	Columbia River Crossing
Address (Street, City, State, Zip)	700 Washington Street, Suite 300 Vancouver, WA 98660
	FAX 360-737-0294
E-mail (enter address to receive monthly electronic updates	) E-MAIL
PRICANG WITH DISCOULTES ANY ADDA WITHOUT THE	feedback@columbiarivercrossing.org

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MY COMMENT IS ABOUT (feel free to fill	out multiple forms)
☐ Bridge design and aesthetics ☐ Bicycle and pedestrian paths	☐ Safety  ☑ Process
☐ Interchange design	☐ Tolling
☐ Light rail	□ Other
Environmental issues	
The priorities being do	ability of both Vancourts &
Rochland. There A large	chunk of the meeting has & priorities & Plan. However
discussed Hayder Island	& priorities & Plan: However
him does the plan no	w address & support
the larger PORTLAN	DPLAN? In this plan the
aty of Portland aims	to DECREASE carbon
emissions by 2030-	- how does the the
- Ideas Support & cor	stribute to the shelegies
II. City will taken	an concerne man cre
staff & PSC is cateri	into consideration
of people; not taking	unto constatorale the
all groups who live, wor	K, & travel through the Bridge Impact Area :
	BRIAGE IMPACT THEORY TOO

Home Zip Code	Work Zip Code
Do you (check all that apply)  Live in the project area  Work in the project area  Own a business in the project are	☐ Commute through the project area ☐ Other
How do you regularly travel through  Car or Truck	the project area? (check all that apply)
NEED MORE INFORMATION?	
MA SUBURIOR SECTION SECURE	to your community group? Who should are contact to schedule this?
MA SUBURIOR SECTION SECURE	to your community group? Who should we contact to schedule this?
Speaker   Would you like a presentation Name (First & Last Name, Organizati Phone / E-Mail	
Speaker   Would you like a presentation Name (First & Last Name, Organizati Phone / E-Mail  Upcoming community events   Please	cuggest events, festivals, etc. where we can tell others about this project:
Speaker   Would you like a presentation Name (First & Last Name, Organizati Phone / E-Mail  Upcoming community events   Please Name of Event	on)  suggest events, festivals, etc. where we can tell others about this project:  Date
Speaker   Would you like a presentation Name (First & Last Name, Organizati Phone / E-Mail  Upcoming community events   Please Name of Event Contact person, Phone  Translation   Does your group need infor	nation in a language other than English?

Katelyn Hale

Address (Street, City, State, Zip)
1305 SE Madison St.
PDX, OR 97214

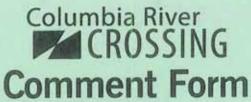
MAIL

Columbia River Crossing 700 Washington Street, Suite 300 Vancouver, WA 98660

> FAX 360-737-0294

E-MAIL feedback@columbiarivercrossing.org

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MY COMMENT IS ABOUT (feel free to fill out n	nultiple forms)
☐ Bicycle and pedestrian paths ☐ ☐ Interchange design ☐	Safety Process Tolling Other Budget
Handen Island S	it cost \$60  3 or 4 bil. bridge.

TELL US ABOUT YOURSELF	· · · · · · · · · · · · · · · · · · ·
Home Zip Code 97217 Work Zip C	ode
Do you (check all that apply)  Live in the project area ☐ Commute through ☐ Work in the project area ☐ Other ☐ Own a business in the project area	the project area
How do you regularly travel through the project area? (check all that   Walk   Bicycle   Other   Bus	at apply)
NEED MORE INFORMATION?	<b>《学》、《新闻》、《新闻》、《</b>
Speaker   Would you like a presentation to your community group? Who s  Name (First & Last Name, Organization) Picdmont N  Phone / E-Mail Y & W & @ ig C. Org	bould we contact to schedule this? Jeighborhood ASSC.
Upcoming community events   Please suggest events, festivals, etc. when Name of Event  Contact person, Phone	e we can tell others about this project:  Date
Translation   Does your group need information in a language other than I Yes What language?	English?
SIGN UP FOR PROJECT UPDATES   Optional	Thank you!
YES Would you like to be added to the project  NO mailing list?  Name (First & Last Name, Organization)	Please give this form to a staff person or send it to the project office in a stamped envelope.
Valle (1 use & Last Ivalle, Organization)	MAIL Columbia River Crossing
Address (Street, City, State, Zip)	700 Washington Street, Suite 300 Vancouver, WA 98660
6325 N Albina #4 OR 9	72 17 FAX 360-737-0294
E-mail (enter address to receive monthly electronic updates)	Mining State (Co.
JVOWE BIGC. OF 9  IERICANS WITH DISABILITIES ACT (ADA) INFORMATION Materials can be provided in alternative form	E-MAIL feedback@columbiarivercrossing.org

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MY COMMENT IS ABOUT (feel free to fill out multiple forms)
Bridge design and aesthetics
Light rail  Other  Environmental issues  Other
The proposed purked by the CRC Tolk Force is a 1900's response to "projected traffer demand" and
mode.  Moder.  ADRITA's proposal with help improve highway,  Joil and marine traffic in the near term.
ADRTA, proposal is incremental and affordable.  ADRTA, proposal removes local traffic
from I-S, There improving both interstite freeway and local traffic.  ADRTA, proposal safeguards part public investment.
during an ero when fixed responsibility is demonsted by the public.

over -

	Zip Code
Do you (check all that apply)  ☐ Live in the project area ☐ Work in the project area ☐ Other ☐ Own a business in the project area	rough the project area
How do you regularly travel through the project area? (check  Car or Truck	all that apply)
NEED MORE INFORMATION?	<b>经长少数张为例从</b> 建筑工程
Speaker   Would you like a presentation to your community group?  Name (First & Last Name, Organization)  Phone / E-Mail	Who should we contact to schedule this?
Upcoming community events   Please suggest events, festivals, etc	
Name of Event	Disks
Contact person, Phone	Date
Contact person, Phone  Translation   Does your group need information in a language other  Yes What language?	
Translation   Does your group need information in a language other	than English?
Translation   Does your group need information in a language other  ☐ Yes What language?  SIGN UP FOR PROJECT UPDATES   Optional  ☐ YES Would you like to be added to the project  ☐ NO mailing list?	
Translation   Does your group need information in a language other  Yes What language?  SIGN UP FOR PROJECT UPDATES   Optional  YES Would you like to be added to the project  NO mailing list?  Name (First & Last Name, Organization)	Thank you!  Please give this form to a staff person or send it to the project office.
Translation   Does your group need information in a language other  Yes What language?  SIGN UP FOR PROJECT UPDATES   Optional  YES Would you like to be added to the project  NO mailing list?  Name (First & Last Name, Organization)  Dan Metaria	Thank you!  Please give this form to a staff person or send it to the project office in a stamped envelope.  MAIL  Columbia River Crossing
Translation   Does your group need information in a language other  Yes What language?  SIGN UP FOR PROJECT UPDATES   Optional  YES Would you like to be added to the project  NO mailing list?  Name (First & Last Name, Organization)  Dan McForting	Thank you!  Please give this form to a staff person or send it to the project office in a stamped envelope.  MAIL  Columbia River Crossing 700 Washington Street, Suite 3

360-737-0294

E-MAIL feedback@columbiarivercrossing.org

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E-mail (enter address to receive monthly electronic updates)

Oregon Rail @ aol.com

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MY COMMENT IS ABOUT (feel free to	fill out multiple forms)
☐ Bridge design and aesthetics	☐ Safety
☐ Bicycle and pedestrian paths	Process
☐ Interchange design	☐ Tolling
☐ Light rail ☐ Environmental issues	Other LIVABILITY
Environmental issues	
	RIDGE, WITH 12 LANES OF
AUTO TRAFFIC, I	S INCOMPATIBLE WITH THE
CLTY OF PORTLA	NO, VANCOUVER, AND
THE SURROUNDING	AREA, IF LIVABILITY
15 TO BE CONSIDE	RED. THE INDUCED DEMAND
	CAPACITY WILL CREATE
	LESS DENSITY, AND.
GREATUR RELIANCE	= ON SINGLE OCCUPANCY
VEHICLES FOR A	REA CITIZENS.

TELL US ABOUT	YOURSELF	Activities to the second	为数据表现者(A)。 第1
Home Zip Code	97214	Work Zip Code	
Do you (check all that  Live in the project Work in the project Own a business	ct area E ect area In the project area	Commute through the	
Car or Truck Bicycle Bus	Walk Other	ect area? (check all that app	
NEED MORE INF	ORMATION?		
Speaker   Would you Name (First & Last ) Phone / E-Mail		mmunity group? Who should	d we contact to schedule this?
Upcoming community  Name of Event	events   Please suggest ev	vents, festivals, etc. where we	can tell others about this project:  Date
Contact person, Pho	one		
Translation   Does you  ☐ Yes What lang		a language other than Engl	ish?
SIGN UP FOR PR	OJECT UPDATES	Optional	Thank you!
☐ YES ,Would you mailing I	ou like to be added to the ist?	e project	Please give this form to a staff person or send it to the project office in a stamped envelope.
Name (First & Last Na	nme, Organization)		Columbia River Crossing 700 Washington Street, Suite 300
Address (Street, City, S	tate, Zip)		Vancouver, WA 98660
			FAX 360-737-0294
E-mail (enter address to	receive monthly electronic up	odates)	E-MAIL

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MY COMMENT IS ABOUT (feel free to f	Il out multiple forms)
	☐ Safety
☐ Bicycle and pedestrian paths	Process
☐ Interchange design	□ Tolling
Light rail	☐ Other
☐ Environmental issues	
I am concerned ab	out what the bridge will
Like To it just now	no to be moving the bottle nect
yet not solving it because	) back into the same sized
then just goes (merges	) back into the same sized
Greeway & yet cost	a large som of also yet
with out giving peop	a large som of debt yet le any other options for
commuting. People	who work in fortland or should be given another light rail should be included
and live in vancoure	should be given another
option to commute. F	light rail should be included
	path. We need to think of
modern ways of	planning transportation
50 people can mare	choices that are saving onment & have those options of be forced no a tolled
time gas the ervi	a be freed and a atolled
available 3 not John	of this new bordsofthat
inesticient large cues	their committee and earier.
decords even make	to of this new bridge that their commute any easier.
more cho	ices, Smarter Bridge,

TELL US ABOUT YOURSELF	<b>拉丁性的人的第三人称单数形式</b>
Home Zip Code 97210 Portland Work Zip	code Beaverson
Do you (check all that apply)  ☐ Live in the project area ☐ Work in the project area ☐ Own a business in the project area ☐ Own a business in the project area	
How do you regularly travel through the project area? (check all the Bicycle	hat apply)
NEED MORE INFORMATION?	
Speaker   Would you like a presentation to your community group? Who Name (First & Last Name, Organization) Phone / E-Mail	should we contact to schedule this?
Upcoming community events   Please suggest events, festivals, etc. who Name of Event Contact person, Phone	ere we can tell others about this project:  Date
Translation   Does your group need information in a language other than ☐ Yes What language?	ı English?
SIGN UP FOR PROJECT UPDATES   Optional	Thank you!
☐ YES Would you like to be added to the project ☐ NO mailing list?	Please give this form to a staff person or send it to the project office in a stamped envelope.
Name (First & Last Name, Organization)	Columbia River Crossing 700 Washington Street, Suite 300
Address (Street, City, State, Zip)	Vancouver, WA 98660

FAX **360-737-0294** 

E-MAIL feedback@columbiarivercrossing.org

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E-mail (enter address to receive monthly electronic updates)

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SIGN UP FOR PROJECT UPDATES   Optional	Thank you!
☐ YES Would you like to be added to the project ☐ NO mailing list?	Please give this form to a staff person or send it to the project office in a stamped envelope.
Name (First & Last Name, Organization)	Columbia River Crossing
Address (Street, City, State, Zip)	700 Washington Street, Suite 300 Vancouver, WA 98660
	FAX 360-737-0294
E-mail (enter address to receive monthly electronic updates)	

E-MAIL feedback@columbiarivercrossing.org

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AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION Materials can be provided in alternative formats: large print, Braille, cassette tape, or on computer disk for people with disabilities by calling the Office of Equal Opportunity (OEO) at (360) 705-7097. Persons who are deaf or hard of hearing may contact OEO through the Washington Relay Service at 7-1-1.

TITLE VI NOTICE TO PUBLIC MI It is the Washington State Department of Transportation's (WSDOT) policy to assure that no person shall, on the grounds of race, color, national origin

E-MAIL feedback@columbiarivercrossing.org

TITLE VI NOTICE TO PUBLIC It is the Washington State Department of Transportation's (WSDOT) policy to assure that no person shall, on the grounds of race, color, national origin and sex, as provided by Title VI of the Civil Rights Act of 1964, be excluded from participation in, be denied the benefits of, or be otherwise discriminated against under any of its federally funded programs and activities. For language interpretation services, please contact the project office at (866) 396-2726. Any person who believes his/her Title VI protection has been violated, may file a complaint with WSDOT's Office of Equal Opportunity (OEO). For Title VI complaint forms and advice, please contact OEO's Title VI Coordinator at (360) 705-7098.

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Address (Street, City, State, Zip)

E-mail (enter address to receive monthly electronic updates)

700 Washington Street, Suite 300 Vancouver, WA 98660

FAX 360-737-0294

E-MAIL feedback@columbiarivercrossing.org

## THE HAYDEN ISLAND LIVABILITY PROJECT Protecting, Renewing and Investing in the Livability of Hayden Island

March 5, 2010

Columbia River Crossing Project Sponsors Council 700 Washington Street, Suite 300 Vancouver, WA 98660

Cc: Columbia River Crossing, Mayor Sam Adams, Governor Ted Kulongoski, Environmental Justice Task Force, Senator Ron Wyden, Senator Jeff Merkeley, Representative Earl Blumenauer, Representative Peter Defazio, Representative Tina Kotek, Representative Jules Kopel-Bailey, Commissioner Randy Leonard, Commissioner Dan Saltzman, Commissioner Nick Fish, Commissioner Amanda Fritz, Multnomah County Board of Commissioners Chair Ted Wheeler, Clark County Board of Commissioners Chair Steve Stuart, Oregon Department of Transportation Director Matthew Garrett, Secretary of Transportation Paula Hammond, TriMet General Manager Fred Hansen, Organizing People Activating Leaders (OPAL), Coalition for a Livable Future

Dear Sir or Madam:

It is with great pleasure that we formally announce the inception of the Hayden Island Livability Project (HILP), a grassroots community-based group of concerned residents, neighbors and friends of Hayden Island. HILP's mission is to protect, renew and invest in the livability of Hayden Island, our home. HILP is inclusive and open to all people concerned about the livability of Hayden Island, but is focused primarily on protecting the interests of the low-income, elderly and diverse members of our manufactured home community. Our community is an Environmental Justice community. Environmental justice is the fair treatment of all people regardless of race, ethnicity or class, with respect to environmental protection and the opportunity for meaningful involvement in the decision-making process.

Our primary concern is the Columbia River Crossing bridge project, which, in its current "refined" form, will place 22 lanes of traffic directly onto our island. There is no doubt that this will result in adverse health impacts upon our community, significantly disrupt our quality of life, and remove many of our basic amenities, including our beloved Safeway, the only grocery and pharmacy on the island. Our concerns with the CRC are twofold: we have not had the opportunity for meaningful participation in this process, and our immediate health and quality of life are threatened by both the short- and long-term impacts of this project.

According to the EPA, meaningful involvement means that we are provided with full access to critical information, invited to participate in the discussion around the project scope and have the opportunity to influence decisions about the project's direction. Thus far, critical information has been withheld or obscured, our community has not been able to participate meaningfully in the discussion, and we have not had a meaningful opportunity to influence the project's direction. Residents of the Hayden Island Manufactured Home

MAR 08 2010

## THE HAYDEN ISLAND LIVABILITY PROJECT

## Protecting, Renewing and Investing in the Livability of Hayden Island

Community live under the shadow of the bridge and will be most impacted by the project. We demand full inclusion and participation in this process going forward.

HILP challenges the sufficiency of CRC's draft environmental impact statement (EIS). The EIS is fundamentally flawed because the project scope is too narrow, alternatives were not fully considered, and it was prepared in advance of important decisions that determine the true impact to our health and environment. For example, CRC cannot determine the true impact from the construction staging area when it has not yet determined its exact location.

Our residents live within arm's reach of the Thunderbird Hotel, the probable construction staging area, and they will undoubtedly be severely impacted by the noise, dust and vibration of the project's construction. CRC has a duty under federal law to consider these types of immediate impacts in undertaking the EIS process. Given these inadequacies, our residents are caught in the middle: CRC has time and again refused to discuss mitigation because they don't know what the true impacts are going to be. This is unacceptable, particularly in light of the recent "Refinement Package," which directly conflicts with our Hayden Island Plan, splitting our island in half, limiting mobility and removing our only source of fresh food and medicine. It is clear that the current Refinement Package requires a Supplemental EIS, given these obvious significant impacts.

We ask for no less than what any community deserves:

- Access to full information and Inclusion in the process;
- Preservation and provision of basic amenities, before, during and after construction;
- Mobility and safe corridors for our residents, particularly those who do not leave the island and use motorized carts as their only means of transportation;
- Mitigation of all negative impacts of the construction, including dust and air pollution, vibration and noise; and
- Respect for community cohesion.

We expect our elected leaders to recognize the gravity of our concerns and help us ensure that our health and community are protected. While we hope for an amicable dialogue that will resolve our concerns, we have engaged the Sustainability Law Clinic at Willamette University College of Law to represent us in this matter. We invite you to visit our neighborhood and see for yourself how close we live to the bridge and freeway. Our meetings are held the third Thursday of every month at 6:30pm, at the South Shore Clubhouse, at 12221 N. WestShore Drive.

Erick Reddekopp (Co-Chair) Ph: 503-724-8008, email: helphilp@me.com Tom Dana (Co-Chair) Ph: 503-954-9217, email: thomashdana@gmail.com Meetings: Every Third Thursday Location: 12221 N Westshore Drive, Portland OR 97217

## THE HAYDEN ISLAND LIVABILITY PROJECT Protecting, Renewing and Investing in the Livability of Hayden Island

Sincerely,

Erick Reddekopp, Co-Chair Hayden Island Livability Project

Thomas Dana, Co-Chair

Hayden Island Livability Project

Erick Reddekopp (Co-Chair) Ph: 503-724-8008, email: helphilp@me.com Tom Dana (Co-Chair) Ph: 503-954-9217, email: thomashdana@gmail.com Meetings: Every Third Thursday

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## CROSSING



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**Project Sponsors Council Comment Form** 

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E-mail (enter a	address to receiv	e monthly electroni	c updates) fe	edback@col	E-MAIL umbiari	ercrossing.o

# Advantage Steel

A steel bridge has the lowest life cycle cost

2. Using steel allows for longer spans which

Northwest Fabricators Association

Iron Workers District Council of the

10828 Gravelly Lake Dr. SW Lakewood, WA 98499

900 SE Lawnfield Rd Clackamas, OR 97015

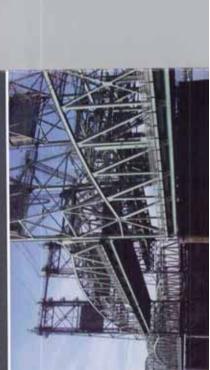
**Pacific Northwest** 

3. The Pacific Northwest is home to some of

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6. Much of the steel material used will have a 93 to 96 percent recycled content









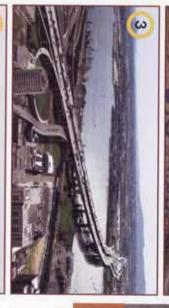


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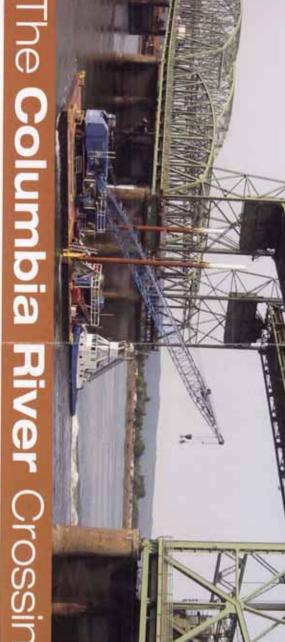
and business opportunities for the new century

## New Columbia River Crossing









## Safer travel and improved design

- Eliminate bridge lifts & delays
- Add safety shoulders and widen lanes
   Improve connections to and from I-5 at seven
- Increase structure safety
- Reduce collisions, which now occur daily

## Better freight mobility

- Relieve congestion to keep goods moving
- Improve access to ports and highways

## More commuter choices and community connections

- Extend light rail from Portland to Vancouver
- Enhance and widen pedestrian and bicycle paths
- Reduce travel times, especially for afternoon northbound travel

## **Environmental protection**

- Expand storm water treatment
- Decrease highway noise
- Cut time that cars idle in traffic, as well as overall commute time

# New Columbia River bridge with light rail along right side looking SE

2) Rendering of bridge with light rail along left side looking NE.

(3) Rendering of bridge with light rail under the span, a "Stacked Bridge" looking SE.

Existing conditions.

The **Columbia River** Crossing Northwest Fabricators Association 900 SE Lawnfield Rd. Clackamas, OR 97015

Iron Workers District Council of the Pacific Northwest 10828 Gravelly Lake Dr. SW Lakewood, WA 98499



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Twitter	Yes	□ No	CRC-sponsored workshop or open house	☐ Yes	□No
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## Hines, Maurice

From: Luanna [luannag@hevanet.com]
Sent: Sunday, May 02, 2010 1:05 PM

To: Columbia River Crossing; Adams, Sam; Bragdon, David; Amanda@portlandoregon.gov;

nick@portlandoregon.gov; randy@portlandoregon.gov; dan@portlandoregon.gov

Subject: Columbia Crossing Project - Hayden Island bears the brunt of cost-savings

Mayor Sam Adams,
Commissioner Amanda Fritz,
Commissioner Nick Fish,
Commissioner Randy Leonard,
Commissioner Dan Saltzman,
Metro's David Bragdon,
and the entire Columbia River Crossing team:

## **Elected Officials and Planners:**

As a resident of Hayden Island, I'm very disappointed in the compromises that have been made to the original Columbia River Crossing plan. Decisions made to save money come at the expense of the people who live, work and play on Hayden Island. The City of Portland and the metro area may often overlook us because we are at the far north end of Multnomah County, but we pay our taxes, vote and matter too. We worked together to come up with the Hayden Island Plan, our vision for the future, that was adopted by the Portland City Council. The changes to the Columbia Crossing project put that plan in jeopardy.

I'm all for a new bridge, including the light-rail and bike lanes, but it needs to be community friendly to this often overlooked area of Portland. I realize the need to keep costs reasonable. However, I am urging you to reconsider whether the the several million in cost savings outweighs the benefits of the original (and much better) plan for the interchanges on Hayden Island. When money is the issue, evaluations focus on construction cost savings. There will be a much higher price to pay for negative impacts to the quality of life for the residents of Hayden Island now, and for future generations of Oregonians and residents of SW Washington.

The revised plan passes over us with a massive concrete elevated structure that will be built on fill. The original plan took our needs into account, with a more open, elevated pier approach. As currently envisioned, Tomahawk Island Drive would descend 22 feet below ground, requiring pumping to keep the underpass dry. The much wider overpass-footprint will take out our only grocery store. This is not a wealthy community, and losing our Safeway store and easy access throughout the island would be devastating. There are many senior citizens and people without a lot of financial resources living here who rarely leave Hayden Island.

Don't cut costs for the project in a manner we will all regret later. The appearance of the overall project and the consequences are just as important as saving money. Transportation planners look at one element. It's your job to look at all of them.

Please help us preserve and protect the environmental, social and public access attributes of Hayden Island -- an important part of Portland and Multnomah County. I appeal to you step up to make the right decisions, for the right reasons. Keep Hayden Island's concerns in mind, please. Better yet, let's unlock the potential of Hayden Island while solving a major transportation challenge.

Repectfully,

Luanna Grow 707 N Hayden Island Dr. #317