

CH2MHILL®

Online engagement tools



Rail~Volution 2011

I'd attend the meeting, but...

I am not sure it is
even relevant

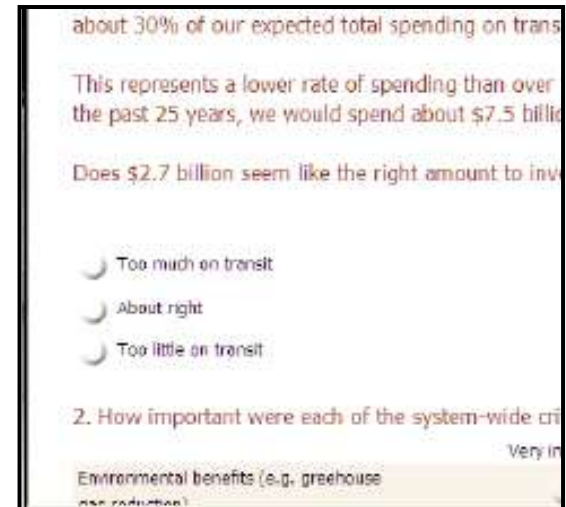
**Isn't there just
someway that
I can do this
online????**

I work in the
evenings.

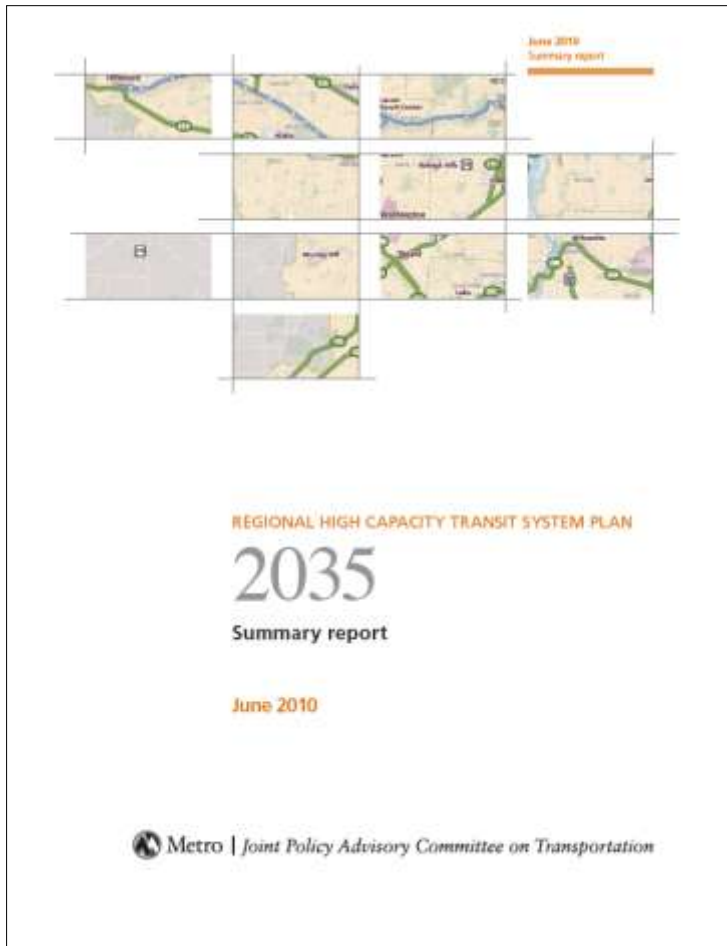
don't have
a babysitter.

Online tools are part of the solution

- Comment maps
- Games and interactive exercises
- Questionnaires and online open houses

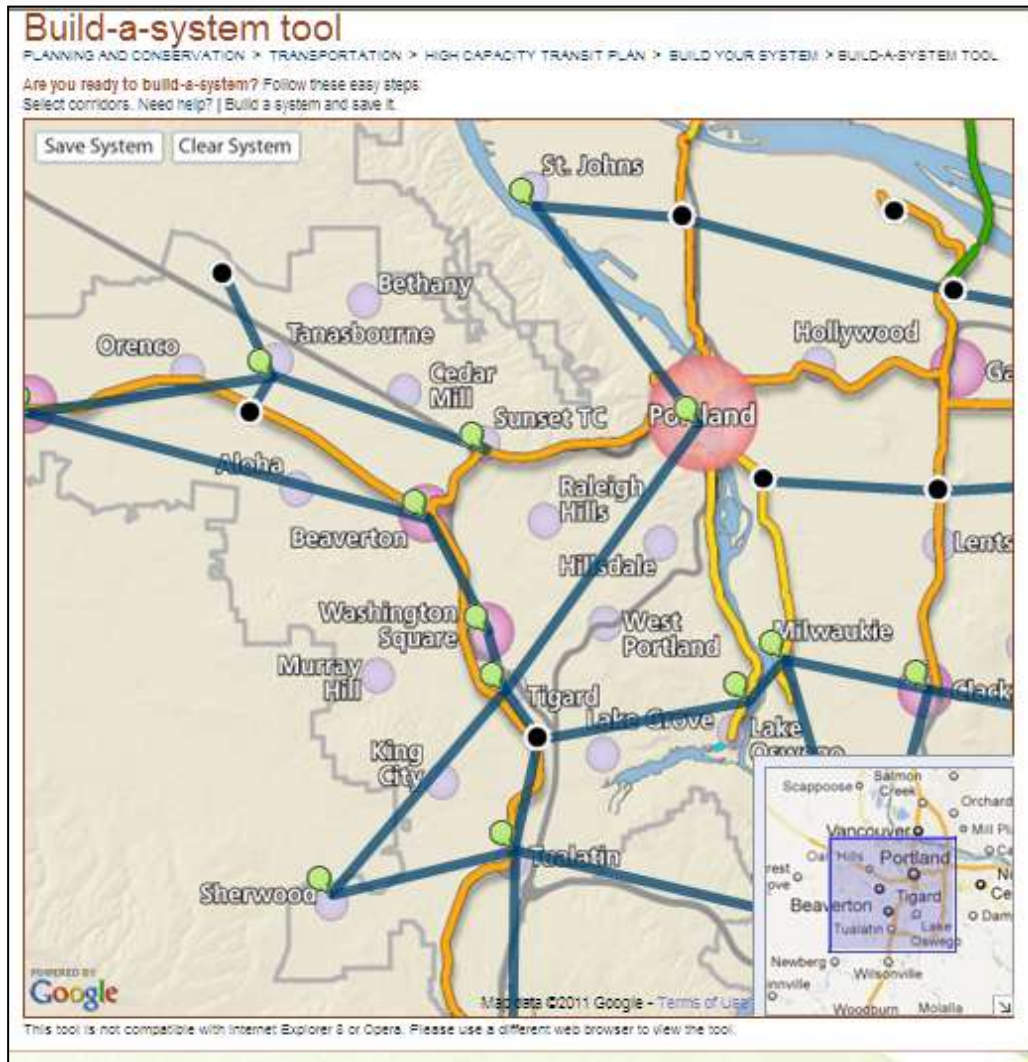


Build-a-System tool



- Metro was preparing a long-range plan for future high capacity transit investments
- Region is big – 25 cities and three counties
- Needed to engage community members across the region

Build-a-System tool overview



- ✓ Interactive
- ✓ Realistic – including budget
- ✓ Learning and input

Step 2: Learn about the centers

Build-a-system tool

PLANNING AND CONSERVATION > TRANSPORTATION > HIGH CAPACITY TRANSIT PLAN > BUILD YOUR SYSTEM > BUILD-A-SYSTEM TOOL

Are you ready to build-a-system? Follow these easy steps:
Select corridors. Need help? | Build a system and save it.

Save System Clear System



The screenshot displays a web-based map tool for transit planning. At the top, there are navigation links and a title 'Build-a-system tool'. Below the title, there are instructions and two buttons: 'Save System' and 'Clear System'. The main area is a map showing a network of transit corridors in various colors (green, blue, orange) connecting several locations. A pop-up window titled 'Beaverton' is open, showing a satellite view of the city with street names like 'SW Canyon Rd' and 'Golfish Park'. The map includes labels for locations such as Vancouver, Orenco, Beaverton, Washington Square, Murray Hill, King City, Tigard, Lake Grove, West Portland, Hillsdale, Raleigh Hills, and Hollywood. A small inset map in the bottom right corner shows the broader regional context, including Vancouver, Portland, Tigard, and Beaverton. The map is powered by Google and includes a copyright notice for 2011.

MapTab Info

Beaverton

Orenco

Beaverton

Washington Square

Murray Hill

King City

Tigard

Lake Grove

West Portland

Hillsdale

Raleigh Hills

Vancouver

Hollywood

Portland

Map data ©2011 Google - Terms of Use

POWERED BY Google

This tool is not compatible with Internet Explorer 8 or Opera. Please use a different web browser to view the tool.

Step 3: Start building your system

Map Legend

- Center
- Junction / endpoint
- Selectable corridor
- Selected corridor
- Existing corridor
- Planned corridor
- Clark County HCT
- Urban growth boundary
- Major highway

My Current System

Capital cost: \$ [Progress Bar]

Operating cost: \$ [Progress Bar]

Ridership: [Progress Bar]

Environmental benefit: [Progress Bar]

Save system

My Saved Systems

Currently no saved systems

Compare saved systems

Send feedback to Metro

Build-a-system tool

PLANNING AND CONSERVATION > TRANSPORTATION > HIGH CAPACITY TRANSIT PLAN > BUILD YOUR SYSTEM > BUILD-A-SYSTEM TOOL

Are you ready to build-a-system? Follow these easy steps:
Select corridors. Need help? | Build a system and save it.

Save System Clear System

Vancouver

St. Johns

Bethany

Hollywood

Poland

Rockwood

Lents

Clackamas

West Portland

Milwaukie

Lake Grove

Lake Oswego

Tigard

King City

Harrison Square

Cedar Mill

Sunset TC

Raleigh Hills

Hillsdale

Happy Valley

Clackamas

Fairview

Crasham

Wilsonville

Map data ©2011 Google - Terms of Use

This tool is not compatible with Internet Explorer 8 or Opera. Please use a different web browser to view the tool.

Benefits and impacts reflected here

Line selected

Step 4: Complete your system

Benefits and impacts of system reflected here

Build-a-system tool

PLANNING AND CONSERVATION > TRANSPORTATION > HIGH CAPACITY TRANSIT PLAN > BUILD YOUR SYSTEM > BUILD-A-SYSTEM TOOL

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Select corridors. Need help? | Build a system and save it.

Save System Clear System

Map Legend

- Center
- Junction / endpoint
- Selectable corridor
- Selected corridor
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- Urban growth boundary
- Major highway

My Current System

Capital cost	\$	100%	i
Operating cost	\$	100%	i
Ridership		100%	i
Environmental benefit		100%	i

My Saved Systems

Currently no saved systems

Compare saved systems

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Map data ©2011 Google - Terms of Use

This tool is not compatible with Internet Explorer 8 or Opera. Please use a different web browser to view the tool.

Multiple lines selected

Budget cap

Milwaukie to Clackamas

Information about this transit corridor:

- Capital cost: \$ [Progress bar]
- Operating cost: \$ [Progress bar]
- Ridership: [Progress bar]
- Environmental benefits: [Progress bar]
- Transit travel time (mins): [Progress bar]

Budget limit met

This corridor can not be selected because selecting it would exceed your maximum budget. If you would like to add this line, you'll need to remove a line from your system.

Close

The screenshot shows a map with a transit corridor highlighted in orange. A dialog box is open over the map, displaying the corridor's name and various performance metrics. Each metric is represented by a progress bar with a corresponding icon: a dollar sign for capital and operating costs, a person icon for ridership, a leaf for environmental benefits, and a clock for travel time. The 'Capital cost' and 'Operating cost' progress bars are nearly full, indicating high values. Below the metrics, a message states that the budget limit has been met, preventing the selection of this corridor. A 'Close' button is located at the bottom of the dialog box.

Step 5. Compare your systems

PREVIOUS SYSTEMS ✕

This is a list of the systems you've saved. You can delete a system from your list by selecting the checkbox associated with the system and choosing 'Delete'.

[Delete](#)

System	Attributes	Review
<input type="checkbox"/> System #1	Capital cost	Review
	Operating cost	
	Ridership	
	Environmental benefit	
<input type="checkbox"/> System #2	Capital cost	Review
	Operating cost	
	Ridership	
	Environmental benefit	

Step 6. Submit system and provide feedback

Going places



REGIONAL HIGH CAPACITY TRANSIT SYSTEM PLAN

High Capacity Transit System Priorities



50%

The next four (4) questions will ask you about the goals for our high capacity transit system.

1. The build-a-system tool limited your spending to allow you to compare the relative benefits and costs of the corridors. While not exact, the limit in the tool reflects the Regional Transportation Plan's expectation of spending \$2.7 billion on high capacity transit and other major transit improvements between now and 2035. This represents about 30% of our expected total spending on transportation between now and 2035.

This represents a lower rate of spending than over the past 25 years. If we were to continue to invest in high capacity transit at the same rate for the next 25 years as in the past 25 years, we would spend about \$7.5 billion and would construct about 2 miles of new transit each year.

Does \$2.7 billion seem like the right amount to invest in new high capacity transit?

Too much on transit

About right

Too little on transit


2. How important were each of the system-wide criteria, when you developed your system?

	Very important	Somewhat important	Not at all important	Not sure/No opinion
Environmental benefits (e.g. greenhouse				


Other examples: Build a Bridge

Rehab/Replace
Rehabilitate existing


Interchange



Alignment



Cross Section



Build A Bridge

Your Current Bridge

Category	Maximum Possible Score*	Your Bridge's Score**
Community Quality of Life	18.1	
Auto, Freight, Emergency Vehicles	16.1	
Bike & Pedestrian	14.6	
Mass Transit	11.3	
Natural Environment	8.1	
Aesthetics	8.0	
Construction	8.0	
Cost	7.1	
Seismic	6.0	
Material Use	2.7	
Total Score	100	<div style="background-color: yellow; width: 100px; height: 20px; margin: 0 auto;"></div>

* The maximum score for each category was determined by the Community Task Force (CTF) and represents the relative importance of a category to the community goals.

** Values are rounded to the nearest hundredth (0.00) and may not add up to the exact total score. Total scores ranged from 72.97 to 42.84. It is possible that no alternative attained 100% of the maximum possible score within a

Other examples: comment maps

The map shows a city area with various streets and highways. A dark overlay box at the bottom contains the following information:

- Icon:** A pushpin with a green and blue top.
- Category:** Pedestrian Maintenance
- Comment:** "The crosswalk buttons on the East side of the intersection between Armitage Rd and N Game Farm Rd do not work (they don't change the light)."
- Author:** acory
- Date:** 01-17-2011
- Agree:** 1 Agree (with a green checkmark icon)
- Disagree:** 0 Disagree (with a red X icon)
- Text:** You must Sign in to Vote

Just because you build it, doesn't mean they'll come

- Outreach and advertising matters
 - Post on relevant blogs
 - Email specific user groups
 - Add information to e-newsletters
 - Posts on social media sites
- Consider using tools in public places
 - Gather input at events
 - Use at workshops



Success!

- **Build a Bridge:** Visited by over 6,500 people
- **Build a System:** Viewed by nearly 6,000 (over 600 completed the online comment form)
- **Eugene Comment Map:** Over 500 comments

Lessons learned

- Consider how you're going to summarize and use the information ahead of time
- Consider issues like requiring a log-in, compatibility for different browsers, accessibility
- Think about how to engage low-income and elderly populations
- Expect lots of hits (if you reach out)!

Contact

Kristin Hull

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Involvement Specialist

CH2M HILL

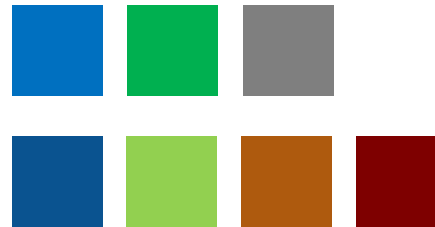
503-736-4160

kristin.hull@ch2m.com

Slide title placed here

- This is your “Title and Content” layout to use for bulleted content.
 - bullet level 2
 - bullet level 3

Color palette

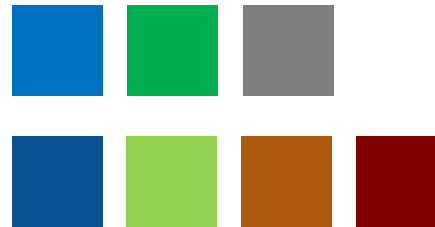


Highlight the main selling point from this slide in this box.

Slide title placed here

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Color palette



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