

The Columbia River Crossing project analyzed 23 different ideas to improve or replace the Interstate Bridge and 14 different ideas to improve public transit. Nine of the “crossing” ideas and six of the public transit ideas are recommended to move forward for additional evaluation. The following is a quick overview of the initial screening process and the ideas.

### Initial Screening:

All the ideas were considered and assessed against several questions taken from the project’s “problem definition.” Based on the answers to the questions, each idea received a simple “yes” study further or “no” further study recommended.

We looked at each **River Crossing** idea and asked, “Would this idea...”

- 1) Increase traffic capacity or decrease traffic?
- 2) Improve public transit?
- 3) Improve freight movement between two states?
- 4) Reduce crashes and improve safety?
- 5) Help bicyclists and pedestrians to cross the river safely?
- 6) Reduce the bridge’s vulnerability to earthquakes?

We looked at each **Public Transit** idea and asked, “Would this idea...”

- 1) Increase traffic capacity or decrease traffic?
- 2) Improve public transit?



### Public Transit Ideas and Screening Results

COMPONENTS		COMPONENT SCREENING RESULTS						
ID	NAME	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Overall
TR-1	Express Bus in General Purpose (GP) lanes	P	P	NA	U	NA	NA	P
TR-2	Express Bus in Managed Lanes	P	P	NA	U	NA	NA	P
TR-3	Bus Rapid Transit (BRT)-Lite	P	P	NA	U	NA	NA	P
TR-4	Bus Rapid Transit (BRT)- Full	P	P	NA	U	NA	NA	P
TR-5	Light Rail Transit (LRT)	P	P	NA	U	NA	NA	P
TR-6	Streetcar	P	P	NA	U	NA	NA	P
TR-7	High Speed Rail	F	F	NA	U	NA	NA	F
TR-8	Ferry Service	F	F	NA	U	NA	NA	F
TR-9	Monorail System	P	F	NA	U	NA	NA	F
TR-10	Magnetic Levitation Railway	F	F	NA	U	NA	NA	F
TR-11	Commuter Rail in BNSF Trackage	P	F	NA	U	NA	NA	F
TR-12	Heavy Rail	P	F	NA	U	NA	NA	F
TR-13	Personal Rapid Transit	F	F	NA	U	NA	NA	F
TR-14	People Mover/Automated Guideway Transit (AGT)	P	F	NA	U	NA	NA	F

P = Yes (Pass) F = No (Fail) NA = Not Applicable U = Unknown

## River Crossing Ideas and Screening Results

COMPONENTS		COMPONENT SCREENING RESULTS						
ID	NAME	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Overall
RC-1	Replacement Bridge-Downstream/Low-level/Movable	P	P	P	P	P	P	P
RC-2	Replacement Bridge-Upstream/Low-level/Movable	P	P	P	P	P	P	P
RC-3	Replacement Bridge-Downstream/Mid-level	P	P	P	P	P	P	P
RC-4	Replacement Bridge-Upstream/Mid-level	P	P	P	P	P	P	P
RC-5	Replacement Bridge-Downstream/High-level	P	P	P	F	P	P	F
RC-6	Replacement Bridge-Upstream/High-level	P	P	P	F	P	P	F
RC-7	Supplemental Bridge-Downstream/Low-level/Movable	P	P	P	U	P	U	P
RC-8	Supplemental Bridge-Upstream/Low-level/Movable	P	P	P	U	P	U	P
RC-9	Supplemental Bridge-Downstream/Mid-level	P	P	P	U	P	U	P
RC-10	Supplemental Bridge-Upstream/Mid-level	P	P	P	F	P	U	F
RC-11	Supplemental Bridge-Downstream/High-level	P	P	P	F	P	U	F
RC-12	Supplemental Bridge-Upstream/High-level	P	P	P	F	P	U	F
RC-13	Tunnel to supplement I-5	P	P	P	P	P	U	P
RC-14	New Corridor Crossing	P	F	P	F	F	F	F
RC-15	New Corridor Crossing plus Widen Existing I-5 Bridges	P	F	P	F	F	F	F
RC-16	New Western Highway (I-605)	F	F	F	F	F	F	F
RC-17	New Eastern Columbia River Crossing	F	F	F	F	F	F	F
RC-18	I-205 Improvements	F	F	F	F	F	F	F
RC-19	Arterial Crossing without I-5 Improvements	F	P	F	F	P	F	F
RC-20	Replacement Tunnel	F	F	F	P	F	P	F
RC-21	33rd Avenue Crossing	F	F	F	F	F	F	F
RC-22	Non-Freeway Multi-Modal Columbia River Crossing	F	P	F	F	P	F	F
RC-23	Arterial Crossing with I-5 Improvements	P	P	P	P	P	P	P

P = Yes (Pass) F = No (Fail) U = Unknown (insufficient information)