

Partnership Final Recommendations at a Glance







Transit:

- Provide a phased light rail loop in Clark County in the vicinity of the I-5, SR500/4th Plain and I-205 Corridors.
- Provide peak-hour, premium express bus service in the I-5 and I-205 Corridors to markets not well served by light rail.
- Increase transit service in the Corridor over the next 20 years called for in regional transportation plans.

Interstate 5:

- The I-5 freeway between the Fremont Bridge in Portland and the I-205 interchange in Vancouver will be a maximum of 3 through lanes in each direction. This includes widening I-5 to 3 lanes between Delta Park and Lombard, and 99th St. to I-205 in Vancouver.
- Designate one of the 3 through lanes for use as a high occupancy vehicle (HOV) lane during the peak period, in the peak direction.
- Add a new supplemental or replacement bridge across the Columbia River with up to 2 auxiliary and/or arterial lanes in each direction, and 2 light rail tracks.
- Improve interchanges between SR 500 and Columbia Blvd to address safety and capacity problems -- including making Columbia Blvd into a full interchange.
- In adding river crossing capacity and making interchange improvements every effort should be made to: 1) avoid displacements and encroachments, 2) minimize the highway footprint and 3) minimize the use of the freeway for local trips.

Additional Rail Capacity:

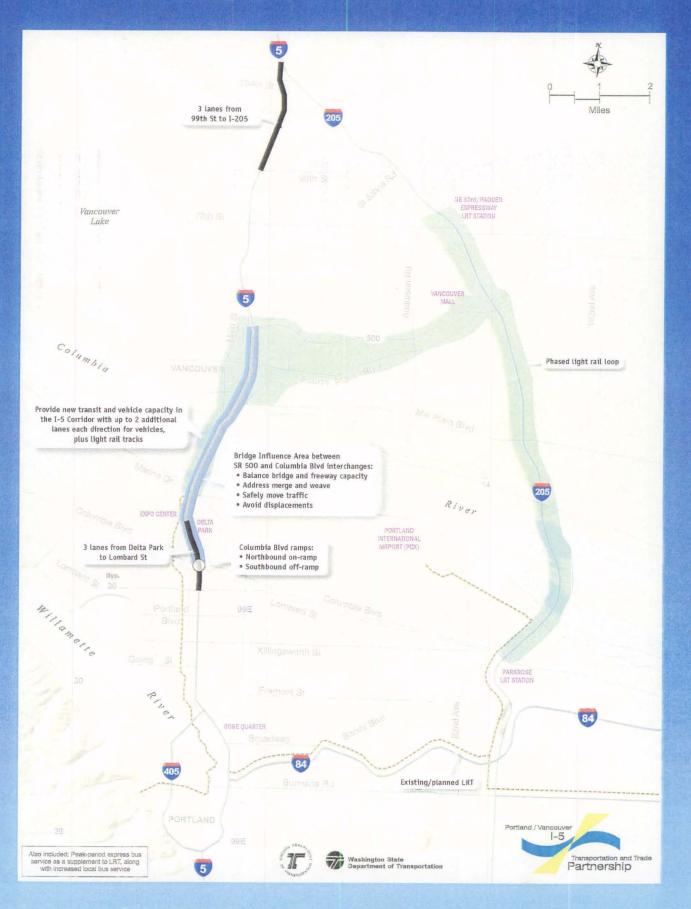
- Pursue the rail infrastructure improvements required to accommodate anticipated 20 year freight rail growth in the I-5 Corridor and frequent, efficient intercity passenger rail service.
- Establish a public/private Bi-State rail forum to advise regional decision makers about prioritizing, scheduling and funding of needed rail improvements.
- The rail forum and regional decision-makers should encourage funding for:
 - Additional inter-city passenger rail service in the Pacific Northwest High Speed Rail Corridor
 - High Speed Rail service in the Corridor; and
 - The replacement of the existing "swing span" with a "lift span" located closer to the center of the river channel

Land Use:

- Adopt and implement a Bi-State Coordination Accord to protect existing and new capacity and support economic development.
- Jurisdictions in the Corridor will develop and agree on a plan to manage land development to avoid adversely impacting I-5 or the Region's growth management plans.



Final Strategic Plan Recommendations



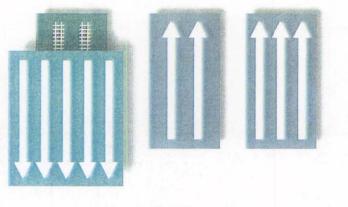
Columbia River Crossing Concepts I-5 Transportation & Trade Partnership



Concept #1

5 northbound lanes on existing bridges.

5 southbound lanes on new double-deck bridge, LRT on lower deck, west of existing bridges.

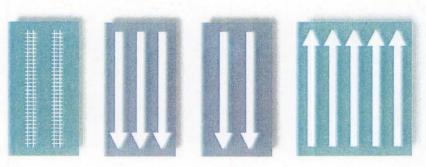


Concept #2

5 northbound lanes on new bridge east of existing bridges.

5 southbound lanes on existing bridges.

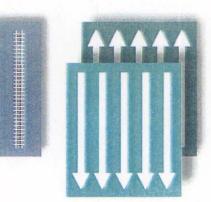
New LRT bridge west of existing bridges.



Concept #3

New 5-lane double-deck bridge, southbound upper deck, northbound lower deck.

LRT on existing west bridge.

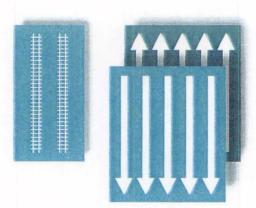


Concept #4

New 5-lane double-deck bridge, southbound upper deck, northbound lower deck.

LRT on new bridge west of existing bridges.

Only option to shift navigational channel.



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Concept #5

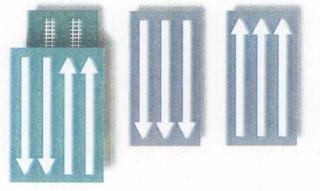
New 6-lane bridge east of existing bridges.

2 lanes northbound/southbound collector-distributor on existing bridges.

LRT on new bridge west of existing bridges.

Concept #6

3 lanes northbound/southbound on existing bridges. New 4-lane collector-distributor double-deck bridge with LRT on lower deck.



Concept #7

3 southbound lanes on existing west bridge.

HOV only, southbound and northbound, on existing east bridge.

3 northbound lanes on new bridge east of existing bridges.

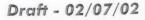
2 arterial lanes and LRT on new bridge west of existing bridges.

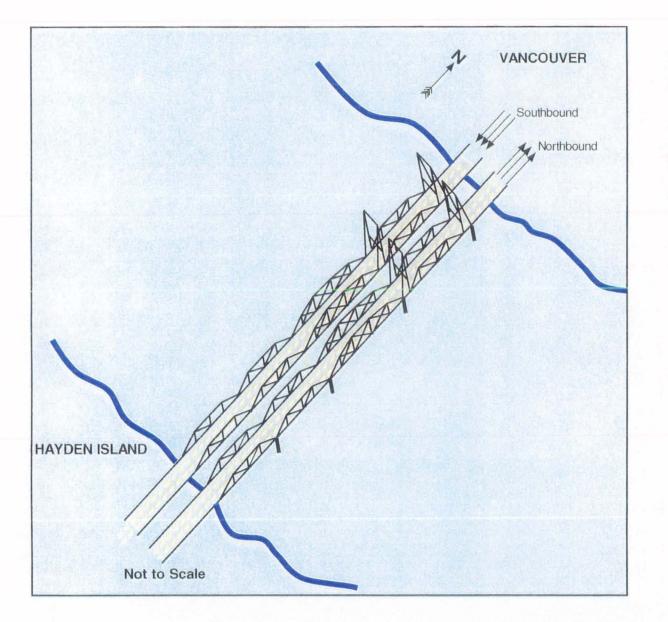
Concept #8

New 8-lane bridge east of existing bridges.

Local arterials on existing northbound bridge..

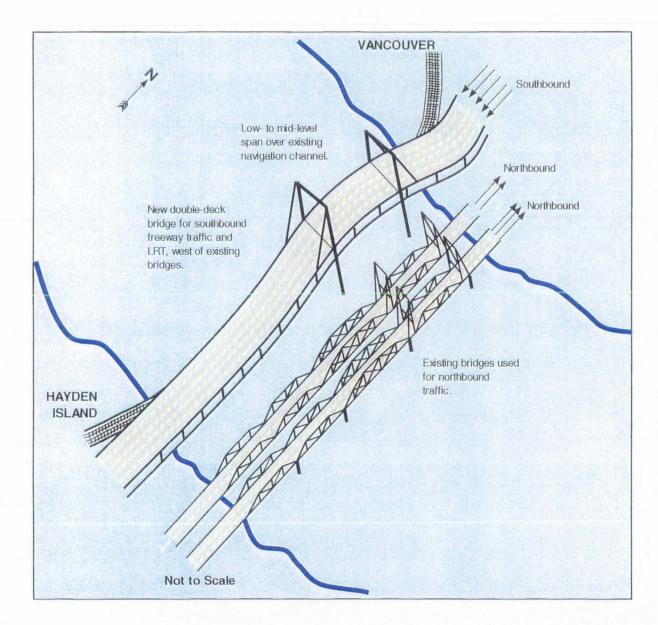
LRT on existing southbound bridge.





Existing configuration:

Two three-lane, low-level lift span bridges

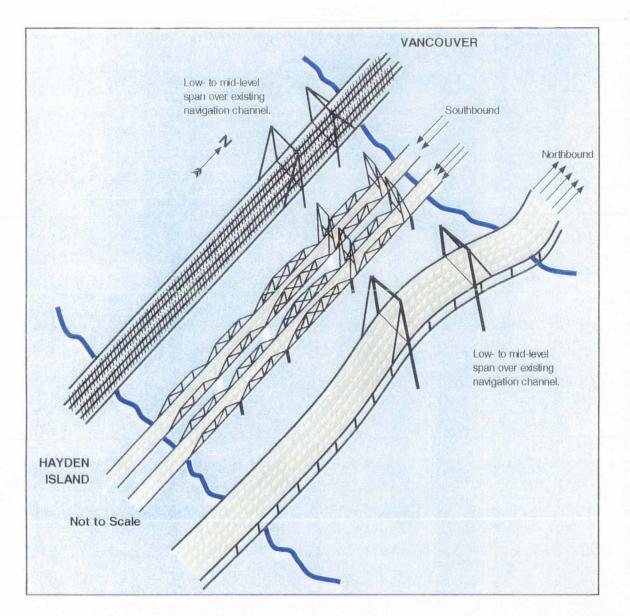


Concept 1: Five-lane supplemental bridge w/LRT, west of existing bridges

1. Southbound traffic on new five-lane bridge, LRT on lower deck

2. Low- to mid-level bridge, with lift span over existing navigation channel

3. Northbound traffic would be split between the two existing bridges



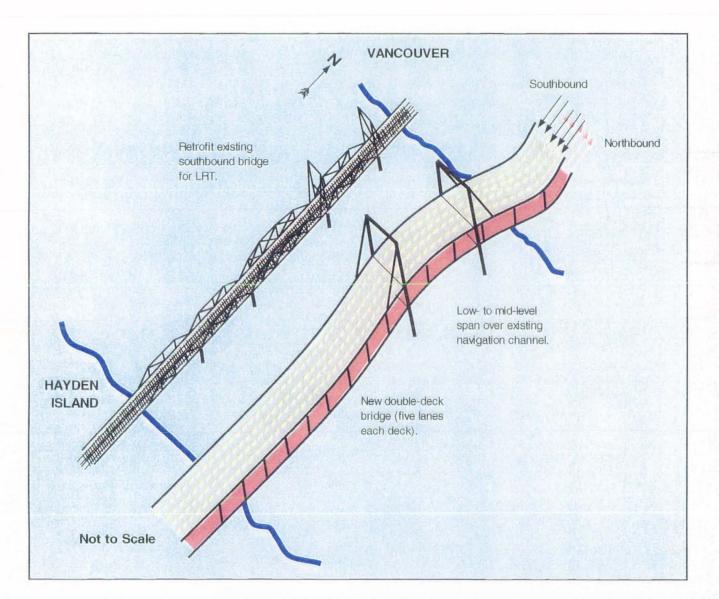
Concept 2: Five-lane supplemental bridge east of existing bridges, separate LRT bridge to the west

1. Northbound traffic on new five-lane bridge

2. LRT on new "stand-alone" bridge

3. Low- to mid-level bridges, with lift spans over existing navigation channel

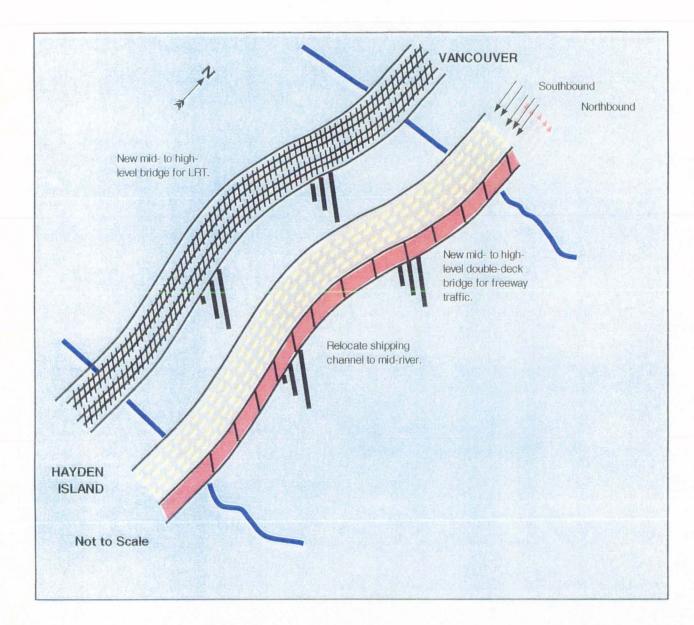
4. Southbound traffic would be split between the two existing bridges, providing five to six lanes



Concept 3: Ten lanes on double-deck fivelane bridge, with LRT retrofitted on existing bridge

1. Low- to mid-level bridge with lift span over existing navigation channel

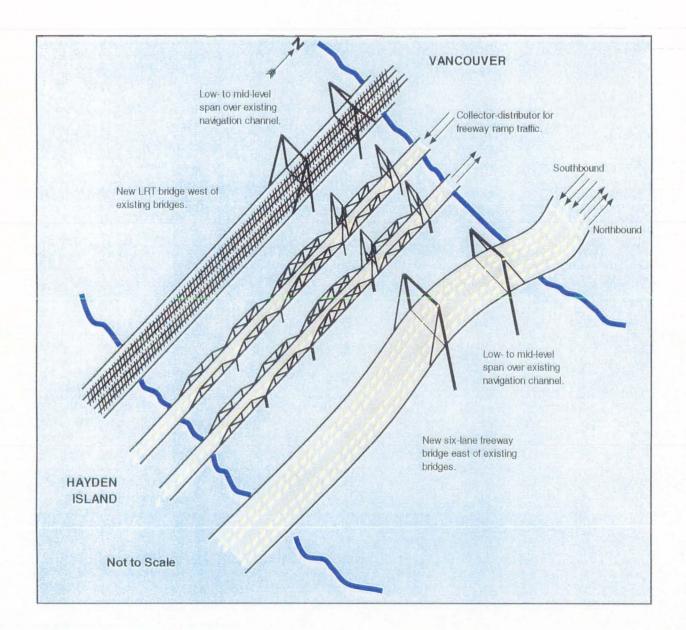
2. Requires retrofitting existing bridge for LRT (feasibility may be questionable)



Concept 4: Ten lanes on double-deck bridge, with LRT on separate new bridge

1. Mid- to high-level bridges. Navigation channel relocated to center of river

2. Potential fixed spans for highway and LRT (with Coast Guard reduction of existing lift requirements), or lift spans



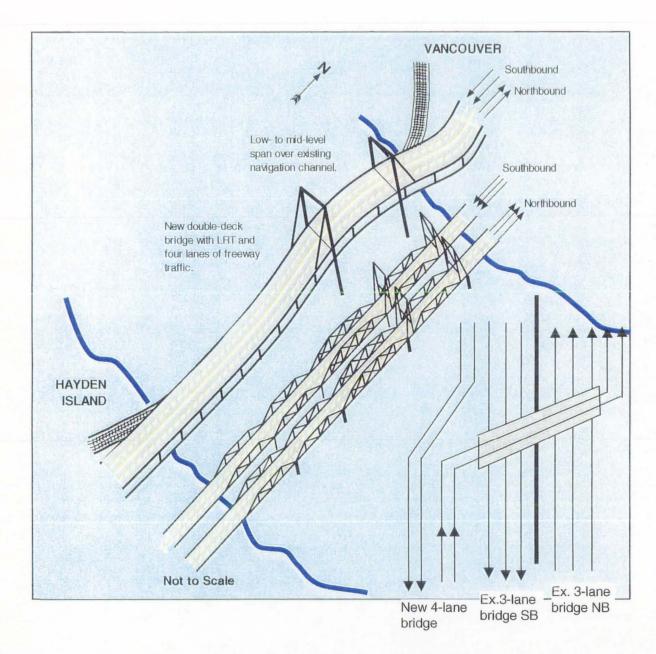
Concept 5: New six-lane supplemental bridge, use existing bridges for collector-distributor, new LRT bridge

Through traffic on new six-lane bridge

2. Existing bridges used for collector-distributor (moving freeway access away from through traffic)

3. LRT on new bridge

4. Low- to mid-level bridges, with lift span over existing navigation channel

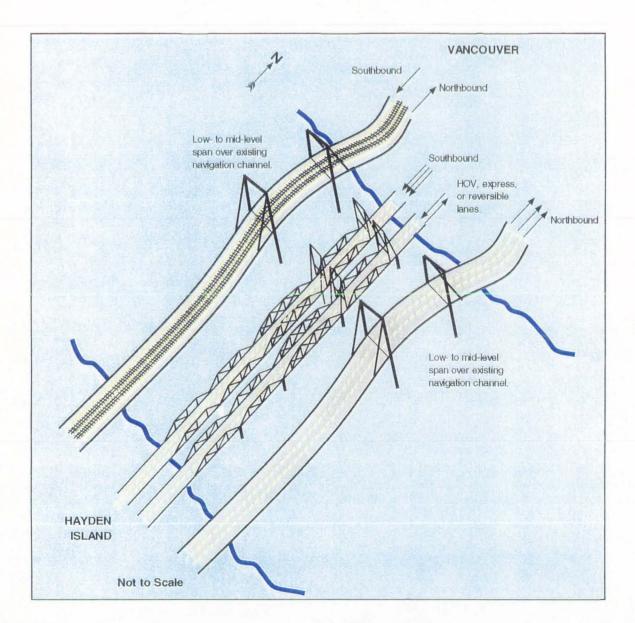


Concept 6: Four-lane supplemental bridge w/LRT, west of existing bridges

1. Provides for new fourlane bridge with LRT

2. Low- to mid-level bridge with lift span over current navigation channel

3. Use four-lane bridge as collector-distributor (i.e., ramp access for Hayden Island, etc.). Requires fly-over ramps north and south, as shown in the schematic on the left

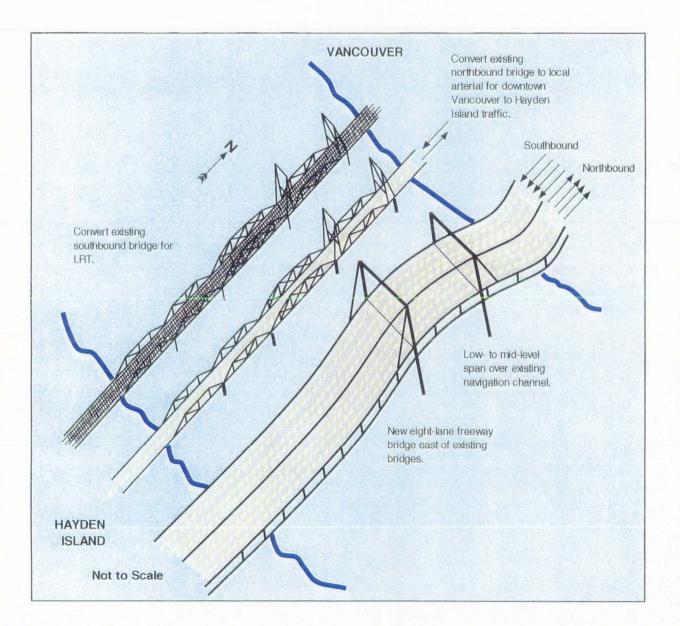


Concept 7: LRT bridge with twolane arterial, plus new three-lane supplemental bridge for freeway traffic

1. Provides for new fourlane bridge with LRT

2. Low- to mid-level bridges with lift spans over current navigation channel

3. Two lanes on existing northbound bridge could be used for HOV, express lanes, or (potentially) reversible lanes



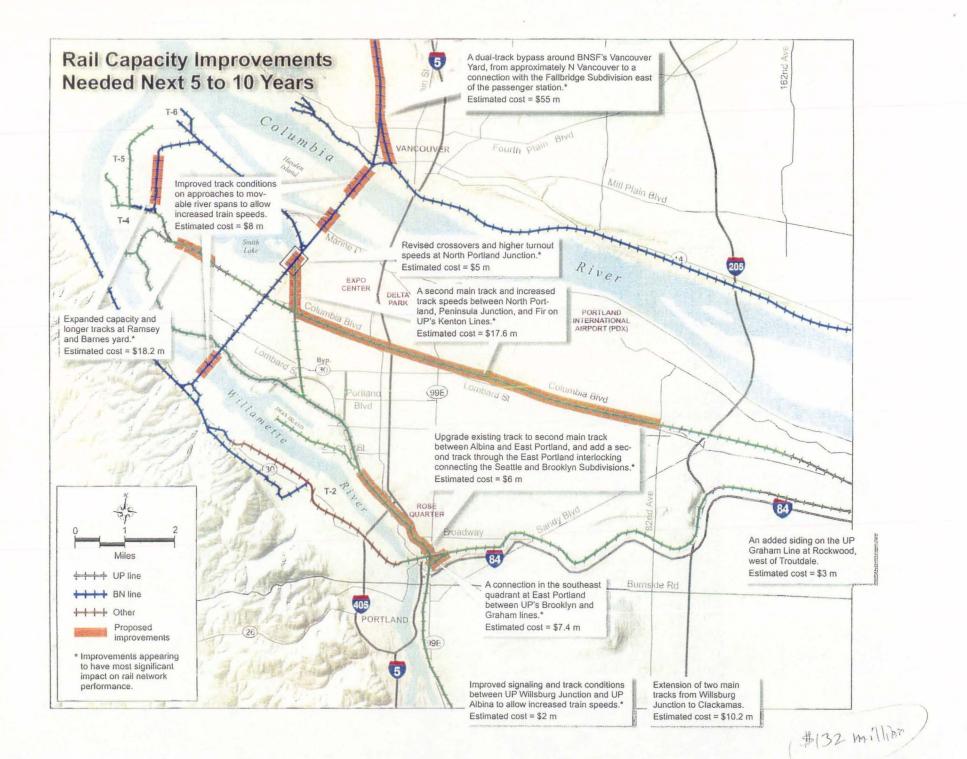
Concept 8: Eight-lane supplemental bridge east of existing bridges, LRT retrofit and two-lane arterial

1. Through traffic on new eight-lane bridge

2. Existing northbound bridge converted to local arterial between Hayden Island and downtown Vancouver

3. LRT on retrofitted southbound bridge

4. Low- to mid-level bridge, with lift span over existing navigation channel



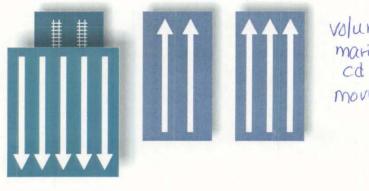
Columbia River Crossing Concepts *I-5 Transportation & Trade Partnership* $\stackrel{\scriptscriptstyle N}{+}$



Concept #1

5 northbound lanes on existing bridges.

5 southbound lanes on new double-deck bridge, LRT on lower deck, west of existing bridges.



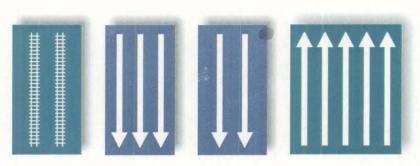
volumes = marine dr/Hayden 15 to cd to SR 500 before move to main Line(n

Concept #2

5 northbound lanes on new bridge east of existing bridges.

5 southbound lanes on existing bridges.

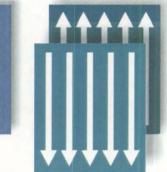
New LRT bridge west of existing bridges.



Concept #3

New 5-lane double-deck bridge, southbound upper deck, northbound lower deck.

LRT on existing west bridge.

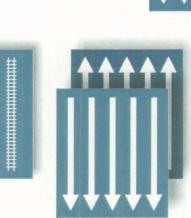


Concept #4

New 5-lane double-deck bridge, southbound upper deck, northbound lower deck.

LRT on new bridge west of existing bridges.

Only option to shift navigational channel.



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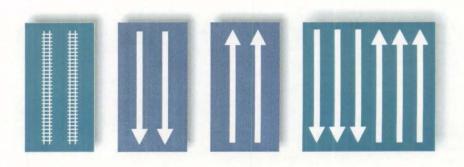


Concept #5

New 6-lane bridge east of existing bridges.

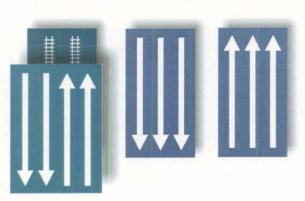
2 lanes northbound/southbound collector-distributor on existing bridges.

LRT on new bridge west of existing bridges.



Concept #6

3 lanes northbound/southbound on existing bridges. New 4-lane collector-distributor double-deck bridge with LRT on lower deck.



Concept #7

3 southbound lanes on existing west bridge.

HOV only, southbound and northbound, on existing east bridge.

3 northbound lanes on new bridge east of existing bridges.

2 arterial lanes and LRT on new bridge west of existing bridges.

Concept #8

New 8-lane bridge east of existing bridges. Local arterials on existing northbound bridge.. LRT on existing southbound bridge.

