



Station Design Concepts

Vancouver Waterfront Station

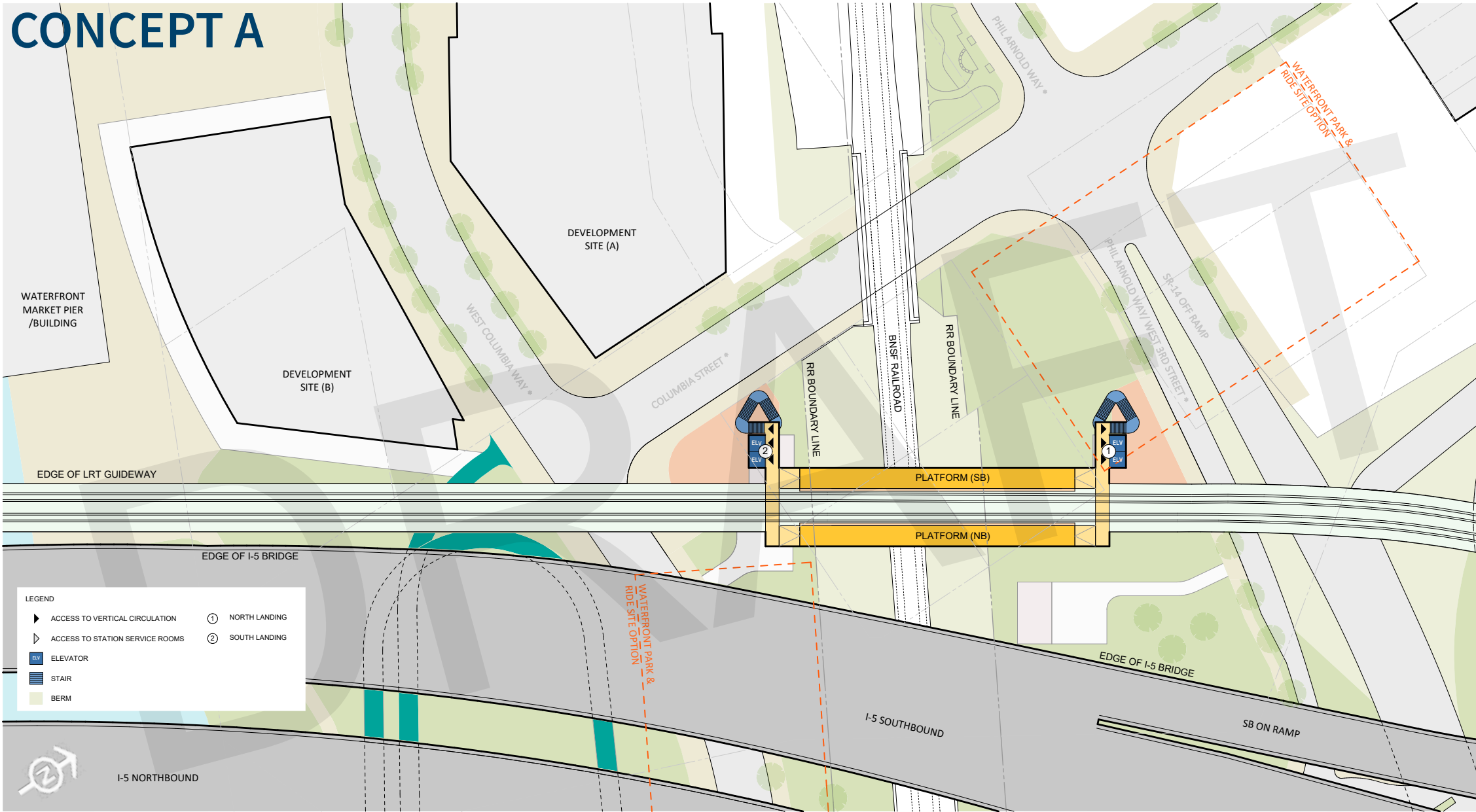
STATION CONCEPT COMPARISON

Station Concept	Platform		# of Entrances	# of Stairs	# of Elevators	Potential Station Access Location			Track Crossings	Plaza / Access Design Flexibility	Need for BNSF Coordination during:	
	Side or Center	Station Location				South of Columbia Way	Btwn Columbia & BNSF	North of BNSF			Construction	Maintenance
A	Side	Straddling BNSF	2	2	2-4	X	✓	✓	2	More	More	More
B	Center		2	2	2-4	X	✓	✓	0-2	Less	More	More
C	Side	South of BNSF	1	2	2	X	✓	X	2	More	Less	Less

Station Design Requirements/Constraints	
LRT System	Platform length (200') and height (75')
	Platform location constrained by trackway/guideway geometry
	Ground-level context: 2 entrances w/ entry plaza, bus integration, bike parking, PUDO
East-West Platform Location	West edge of bridge configuration option and Block B tightly constrain East-West location
	Single Level Bridge is more constrained than Double Deck Bridge for plaza / access design
	Design for 10' offset between structures for constructibility and maintenance
BNSF	Platforms above tracks assumed to be allowable
	Needed BNSF coordination considered equal for vertical circulation construction and maintenance
	Needed BNSF coordination differences are specific to functional platform area (paving, shelter, etc.)
Street Level Context	Exposure to BNSF fumes considered equal between location options (if an issue, similar mitigation required)
	Columbia Street alignment will not change significantly , except at intersection
	Columbia Way alignment flexible east of intersection only; intersection configuration TBD
	Center platforms constrain plaza design and station access design more than side platform

PUDO = Pickup & Dropoff

CONCEPT A



LEGEND

- ▶ ACCESS TO VERTICAL CIRCULATION
- ▶ ACCESS TO STATION SERVICE ROOMS
- ELV ELEVATOR
- STAIR
- BERM

① NORTH LANDING

② SOUTH LANDING



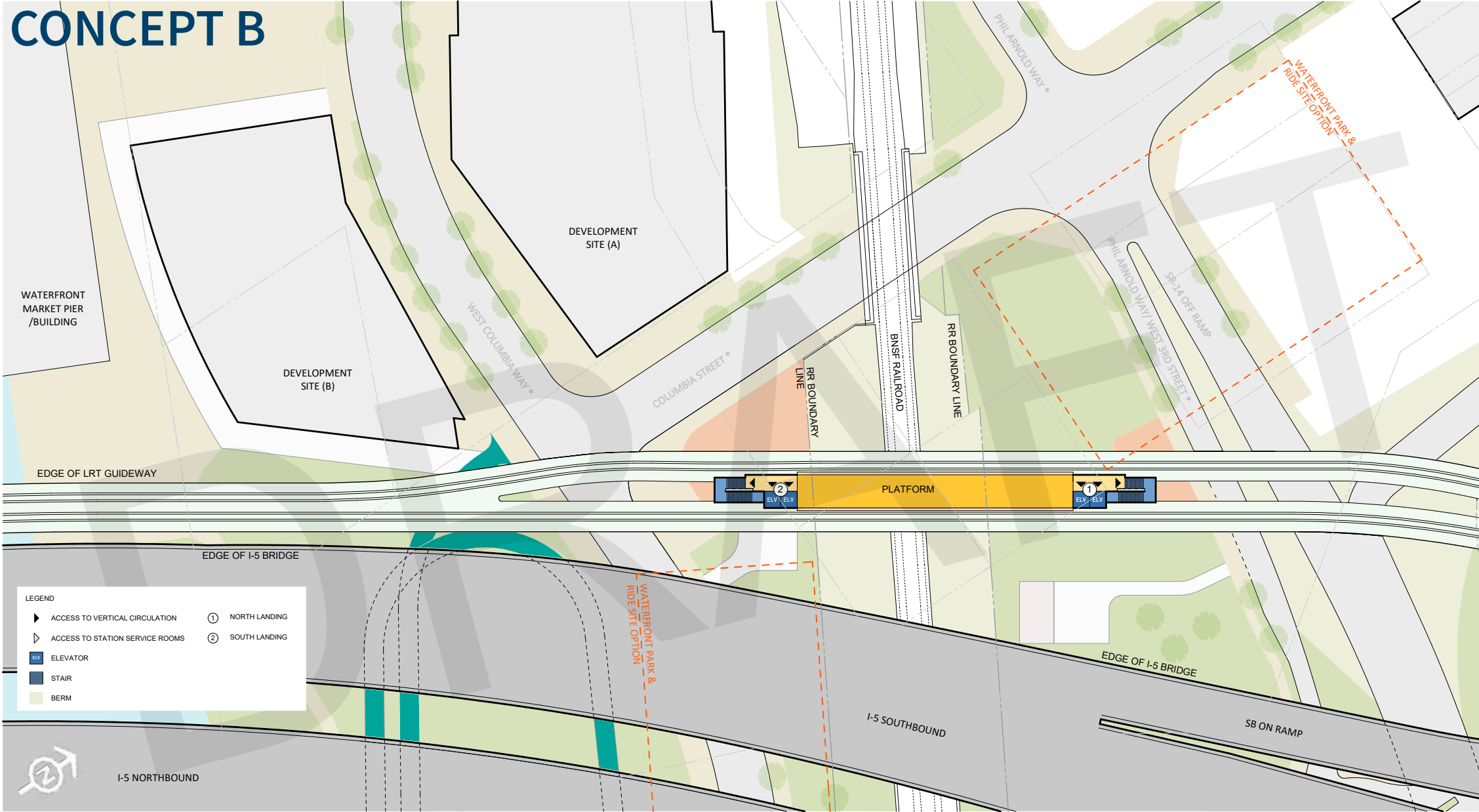
CONCEPT A



LEGEND			
	ACCESS TO VERTICAL CIRCULATION		NORTH LANDING
	ACCESS TO STATION SERVICE ROOMS		SOUTH LANDING
	ELEVATOR		
	STAIR		
	BERM		



CONCEPT B



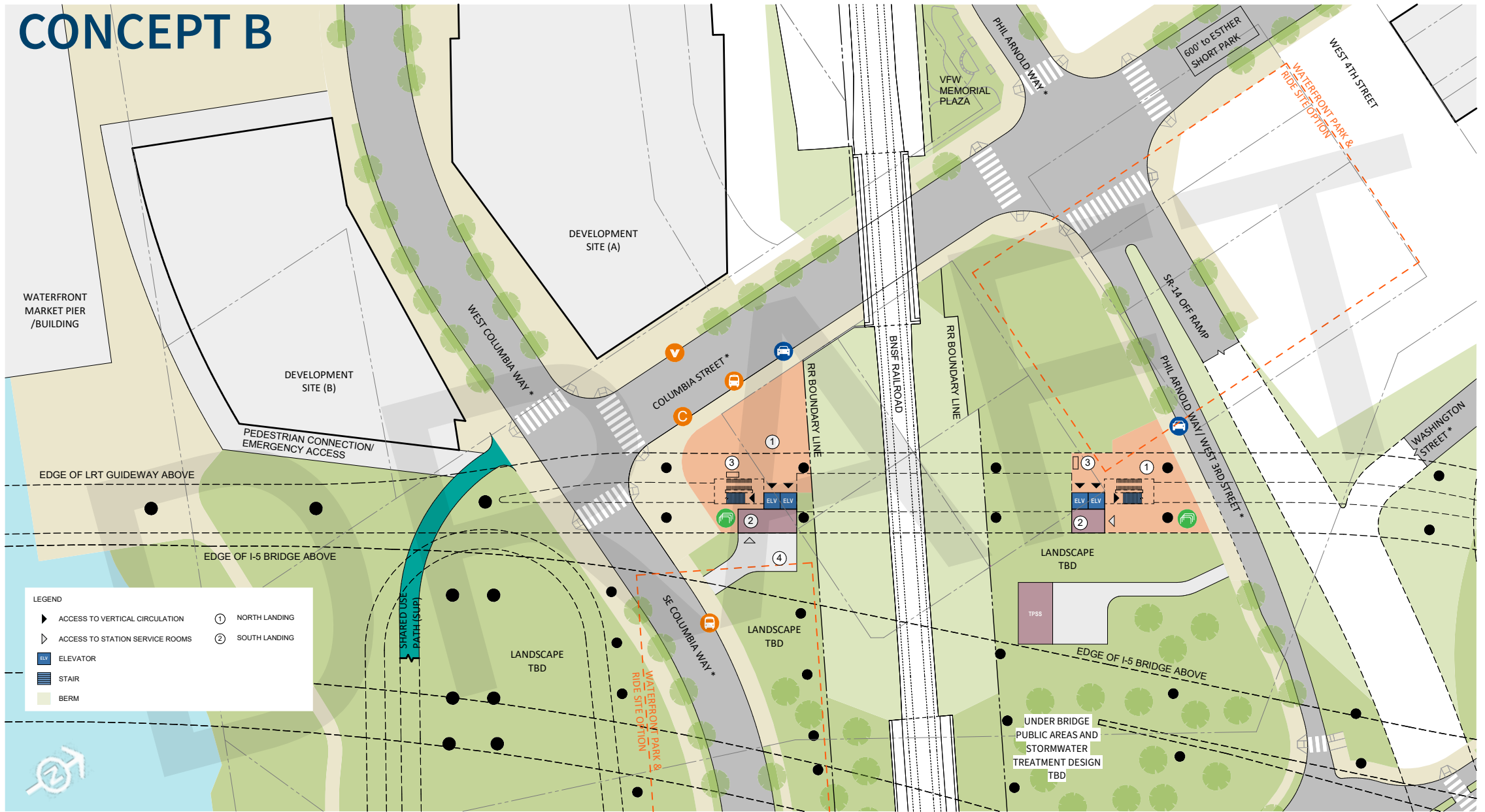
LEGEND

- ▶ ACCESS TO VERTICAL CIRCULATION
- ▶ ACCESS TO STATION SERVICE ROOMS
- ELV ELEVATOR
- STAIR
- BERM

① NORTH LANDING
② SOUTH LANDING



CONCEPT B

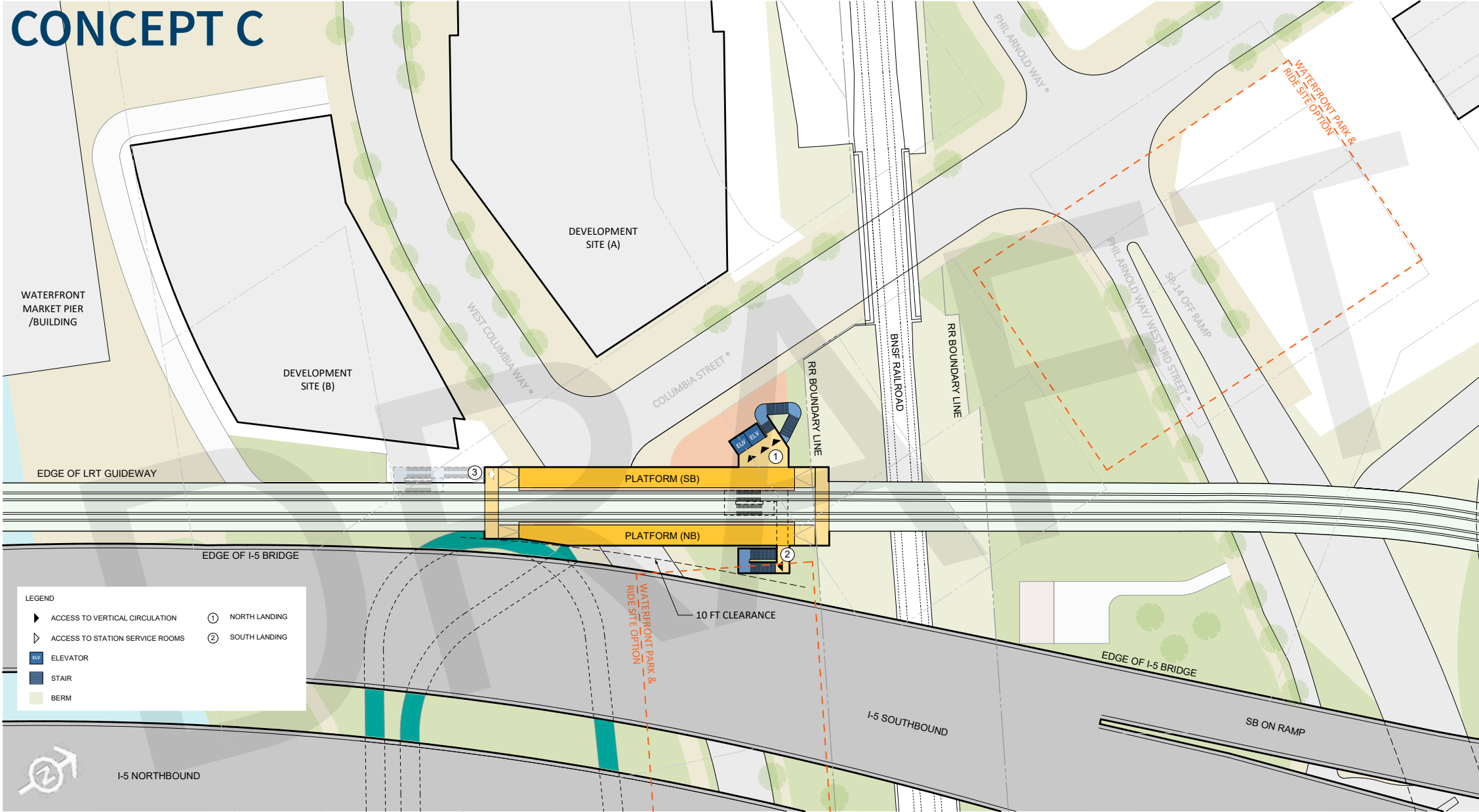


LEGEND

	ACCESS TO VERTICAL CIRCULATION	①	NORTH LANDING
	ACCESS TO STATION SERVICE ROOMS	②	SOUTH LANDING
	ELEVATOR		
	STAIR		
	BERM		



CONCEPT C



LEGEND

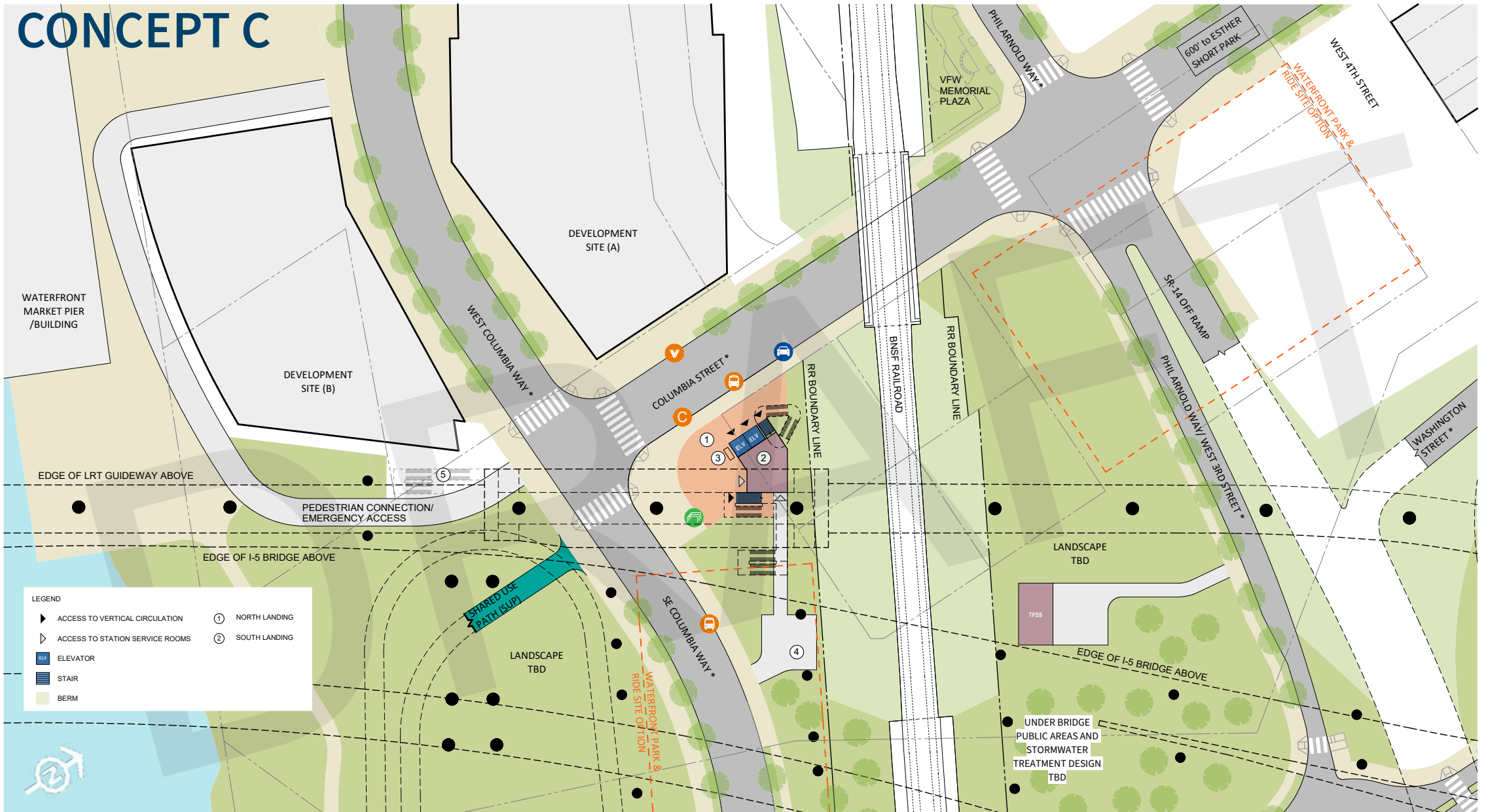
- ▶ ACCESS TO VERTICAL CIRCULATION
- ▶ ACCESS TO STATION SERVICE ROOMS
- ELV ELEVATOR
- STAIR
- BERM

① NORTH LANDING

② SOUTH LANDING



CONCEPT C

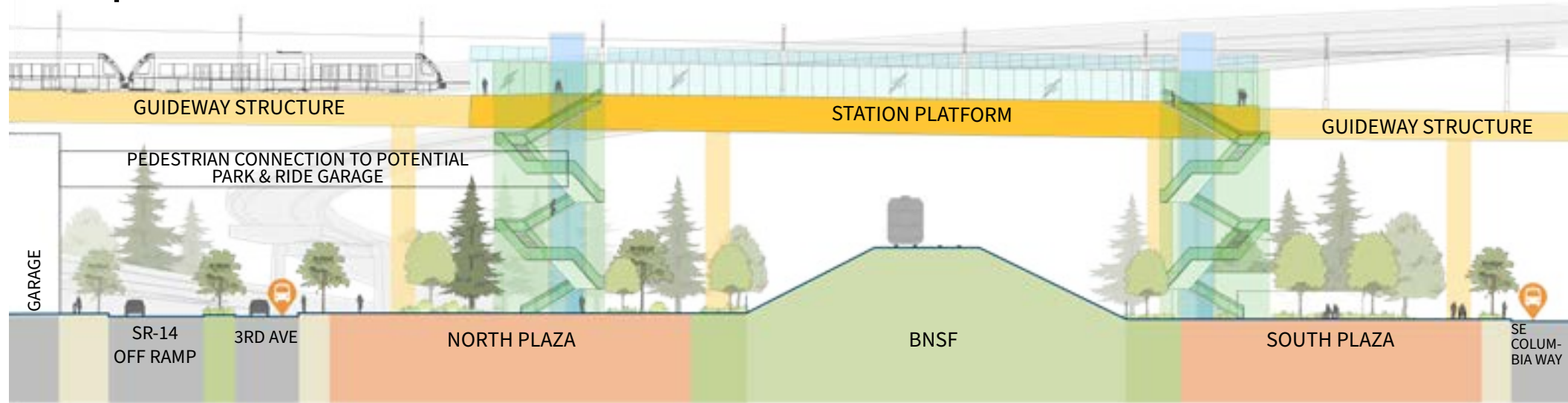


LEGEND

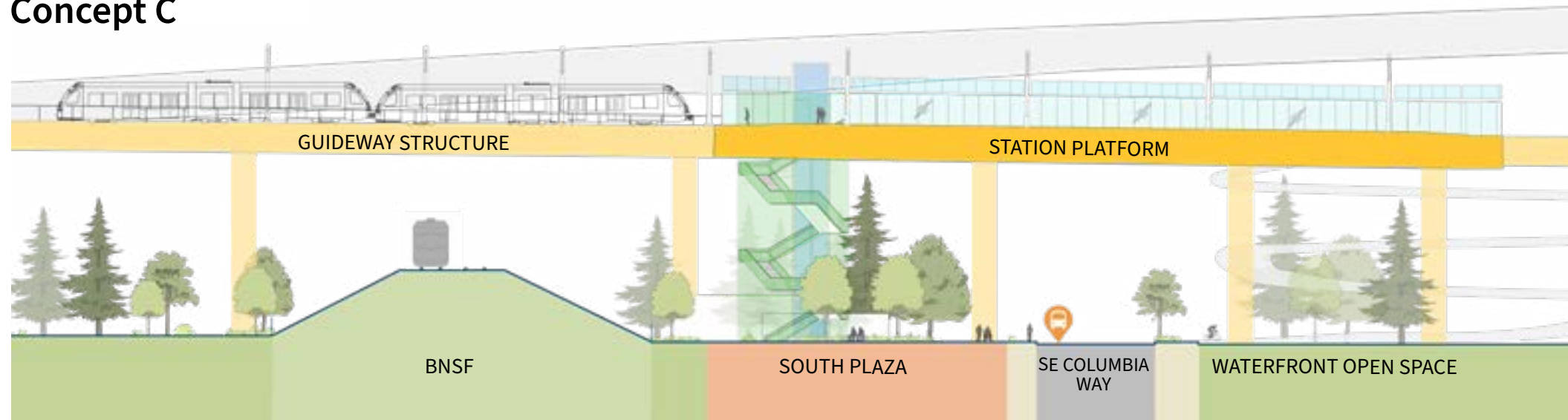
	ACCESS TO VERTICAL CIRCULATION	①	NORTH LANDING
	ACCESS TO STATION SERVICE ROOMS	②	SOUTH LANDING
	ELEVATOR		
	STAIR		
	BERM		



Concepts A & B

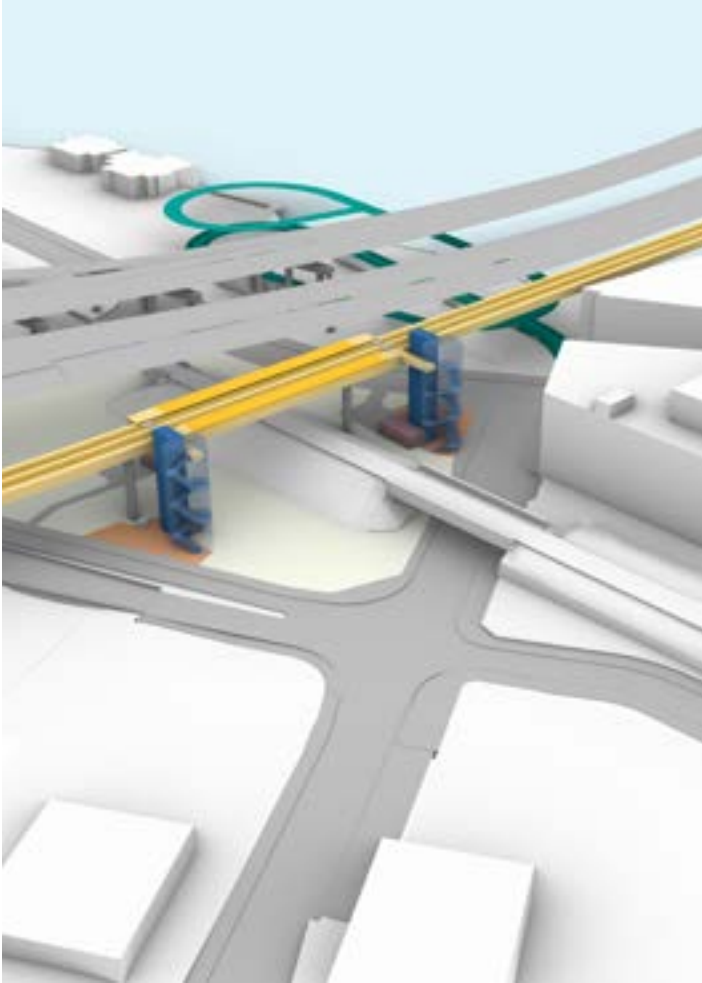


Concept C

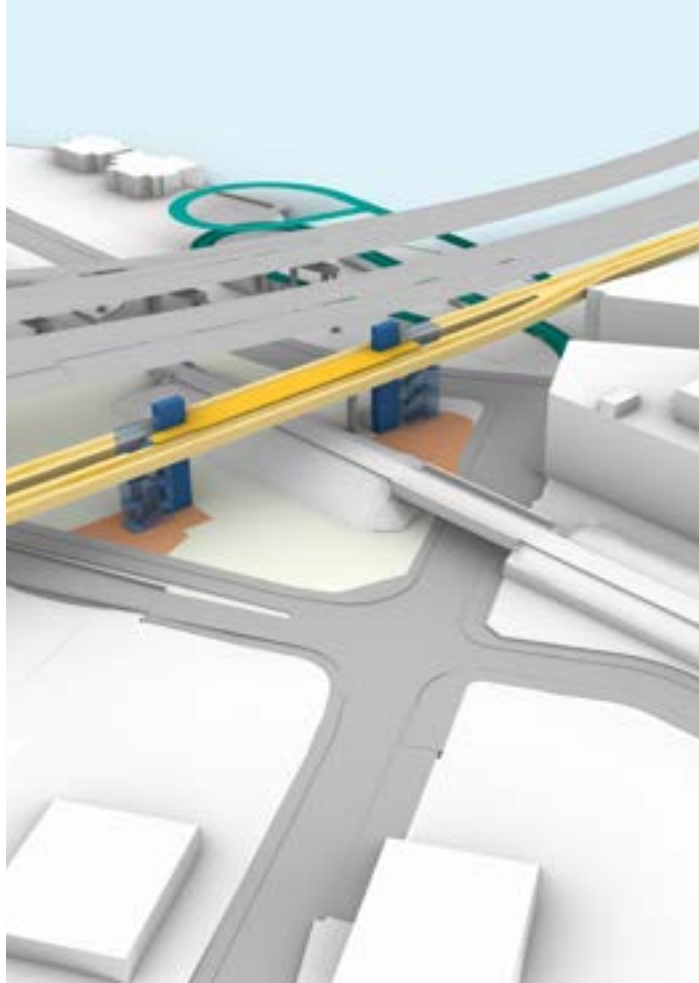


3D VIEWS

Concept A



Concept B



Concept C

