

A photograph of a light rail train in motion, blurred to convey speed. The train is white with teal and green accents. It is positioned at a station platform. The background shows a clear blue sky and the structure of the station. The train has several windows and a teal wave-like pattern along its side. The number '5' is visible on the front of the train. The overall scene is brightly lit, suggesting daytime.

East Link Extension: Rainier Station Light Rail Review Panel – 60% Design

August 7, 2014

Agenda



- ❖ Introduction, *Cynthia Padilla, ST*
- ❖ Permitting Process, *Debora Ashland, ST*
- ❖ East Link Design – Seattle

PART I – Station Design, Landscape, and Art

Station Design *David Hewitt, HEWITT/PB*
 Audrey West, NAKANO/PB

STart *Barbara Luecke, ST*

PART II – Systems Structures

Systems Structures *Paul Bennett, ST*
 Audrey West, NAKANO/PB

- ❖ Conclusions and Next Steps

East Link Overview

Length: 14 miles

Ride times:

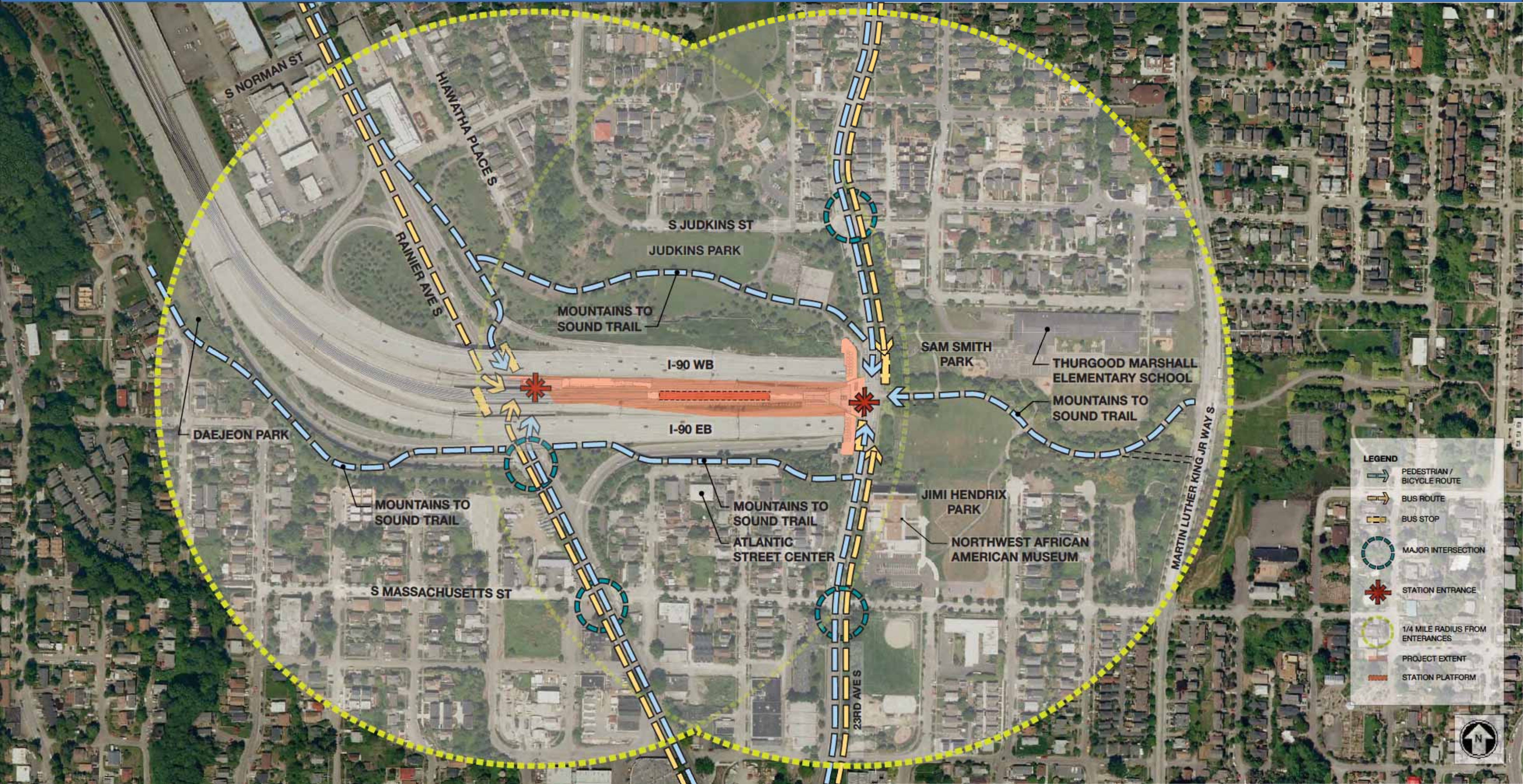
- Mercer Island to UW: 20 min.
- S. Bellevue to Airport: 50 min.
- Overlake Transit Center to Bellevue Transit Center: 10 min.

Rider projection: 50,000 daily by 2030

Budget: \$2.8 billion (2010 \$)

Start of Service: Targeted 2023





LEGEND

- PEDESTRIAN / BICYCLE ROUTE
- BUS ROUTE
- BUS STOP
- MAJOR INTERSECTION
- STATION ENTRANCE
- 1/4 MILE RADIUS FROM ENTRANCES
- PROJECT EXTENT
- STATION PLATFORM



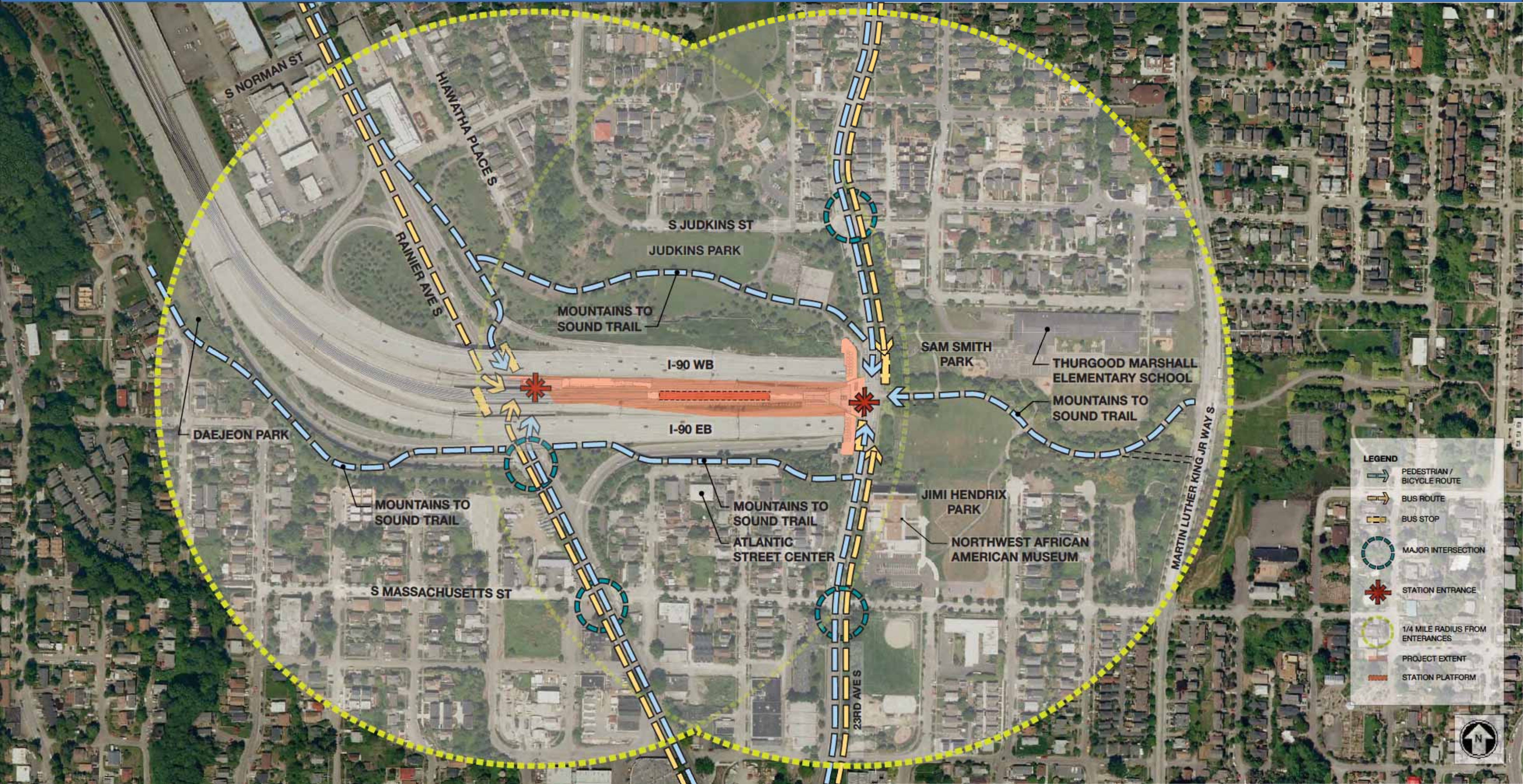
East Link Timeline



Rainier Station

Station and Landscape Design



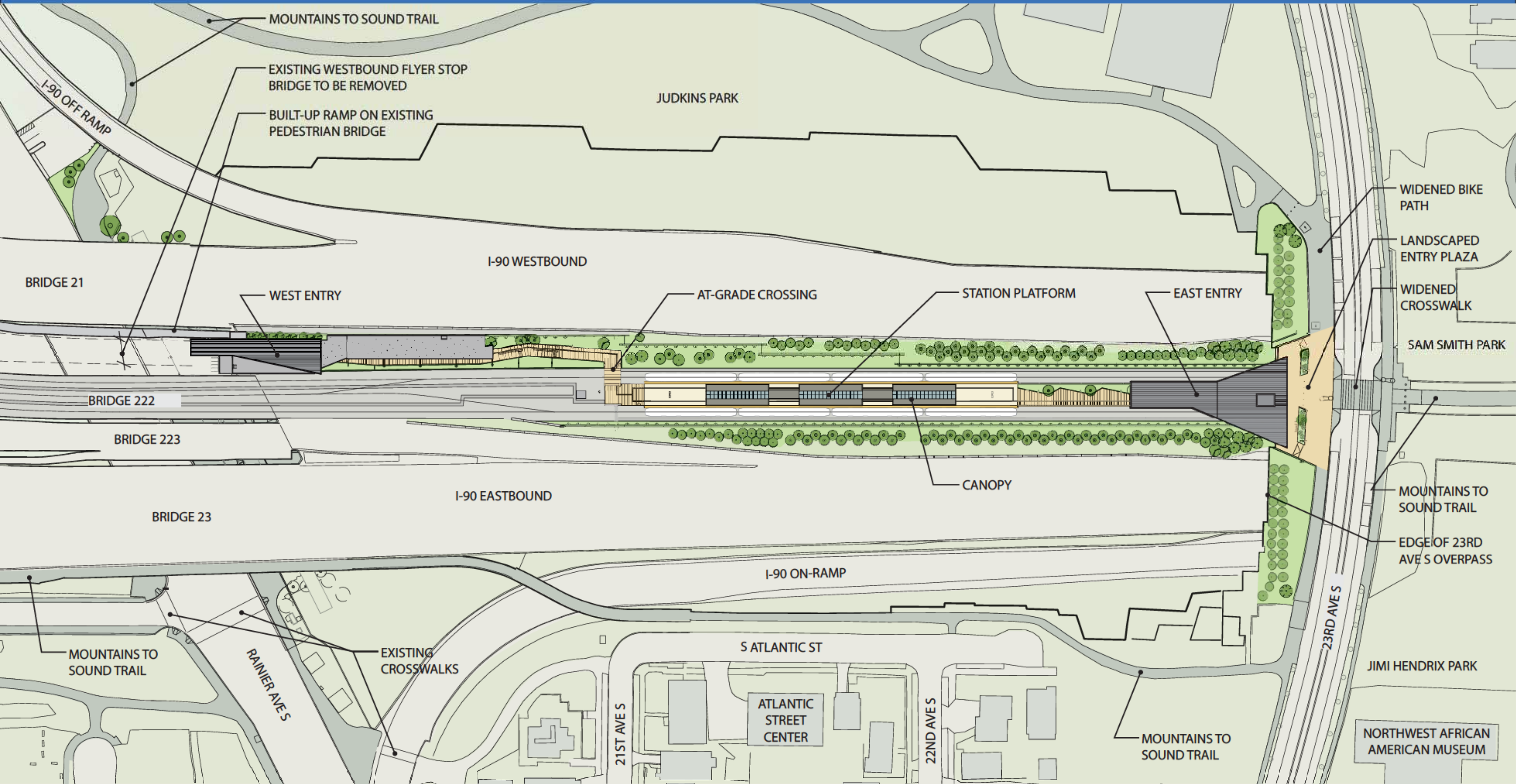


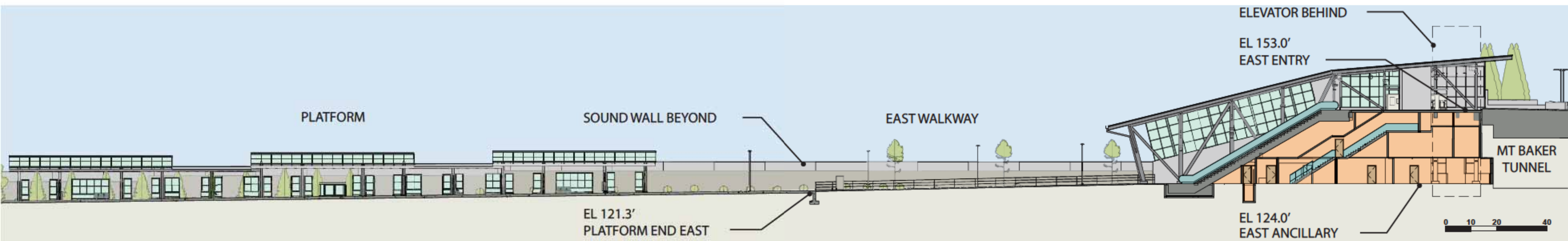
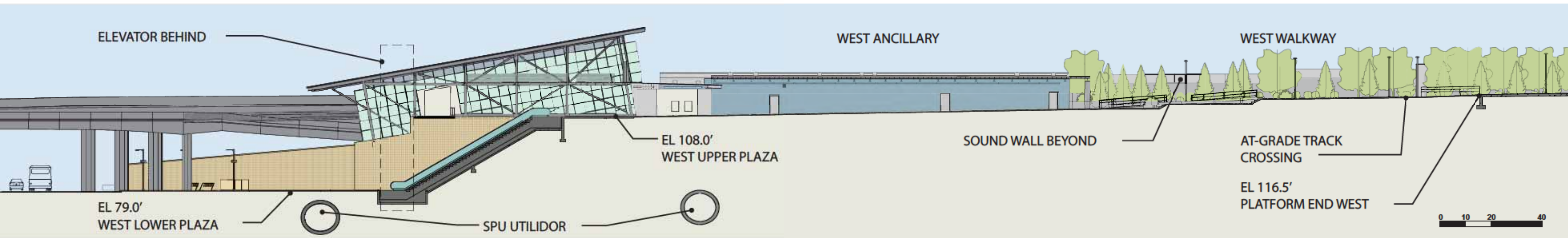
LEGEND

- PEDESTRIAN / BICYCLE ROUTE
- BUS ROUTE
- BUS STOP
- MAJOR INTERSECTION
- STATION ENTRANCE
- 1/4 MILE RADIUS FROM ENTRANCES
- PROJECT EXTENT
- STATION PLATFORM

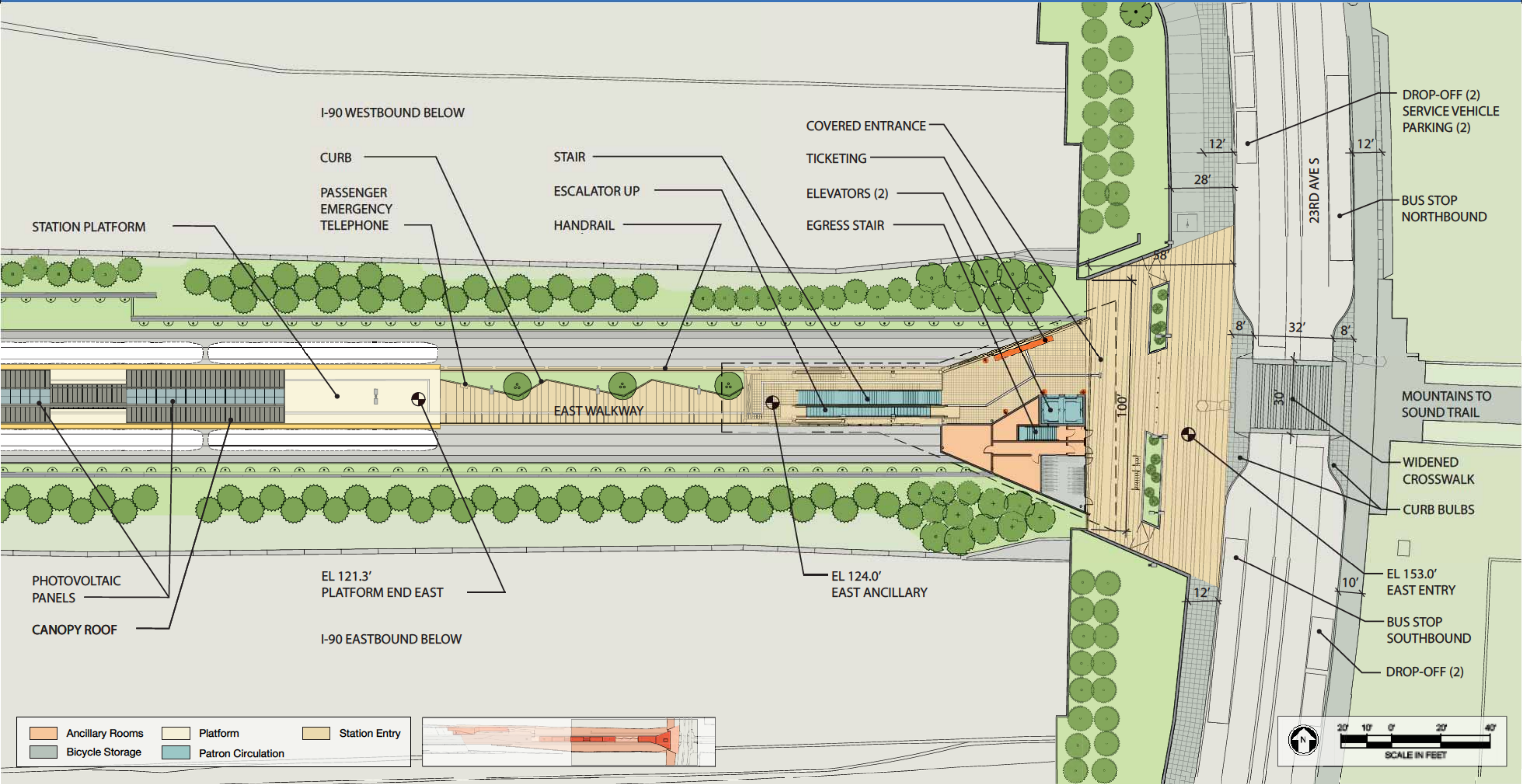


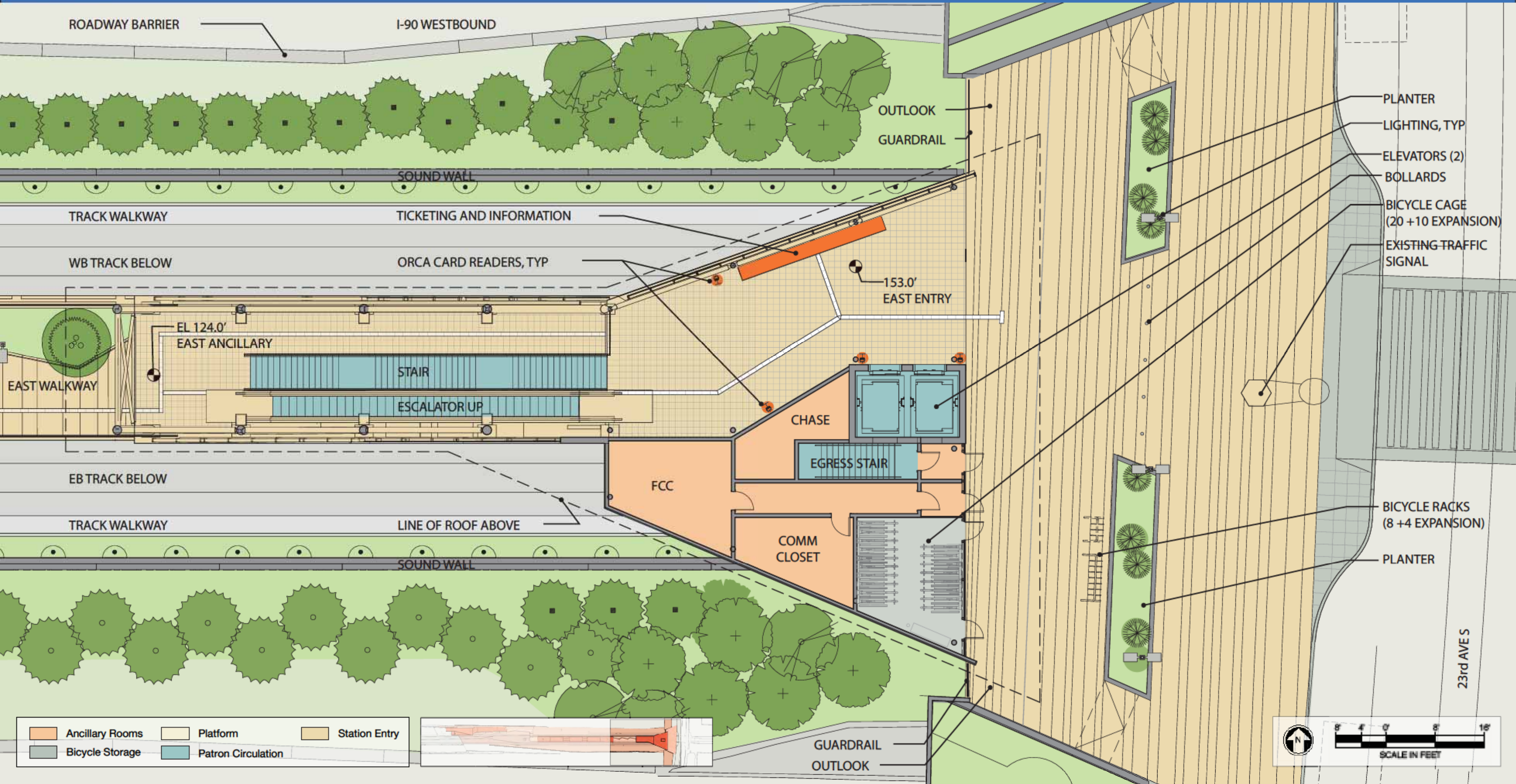












ROADWAY BARRIER

I-90 WESTBOUND

OUTLOOK

GUARDRAIL

SOUND WALL

TRACK WALKWAY

TICKETING AND INFORMATION

WB TRACK BELOW

ORCA CARD READERS, TYP

153.0'
EAST ENTRY

EL 124.0'
EAST ANCILLARY

STAIR

ESCALATOR UP

CHASE

EGRESS STAIR

EB TRACK BELOW

FCC

COMM CLOSET

TRACK WALKWAY

LINE OF ROOF ABOVE

SOUND WALL

PLANTER

LIGHTING, TYP

ELEVATORS (2)

BOLLARDS

BICYCLE CAGE
(20 +10 EXPANSION)

EXISTING TRAFFIC SIGNAL

BICYCLE RACKS
(8 +4 EXPANSION)

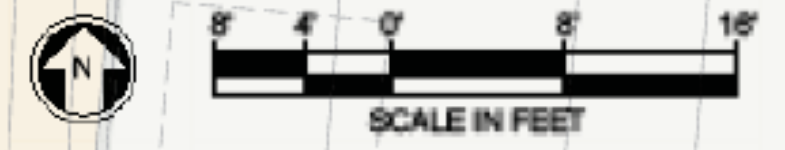
PLANTER

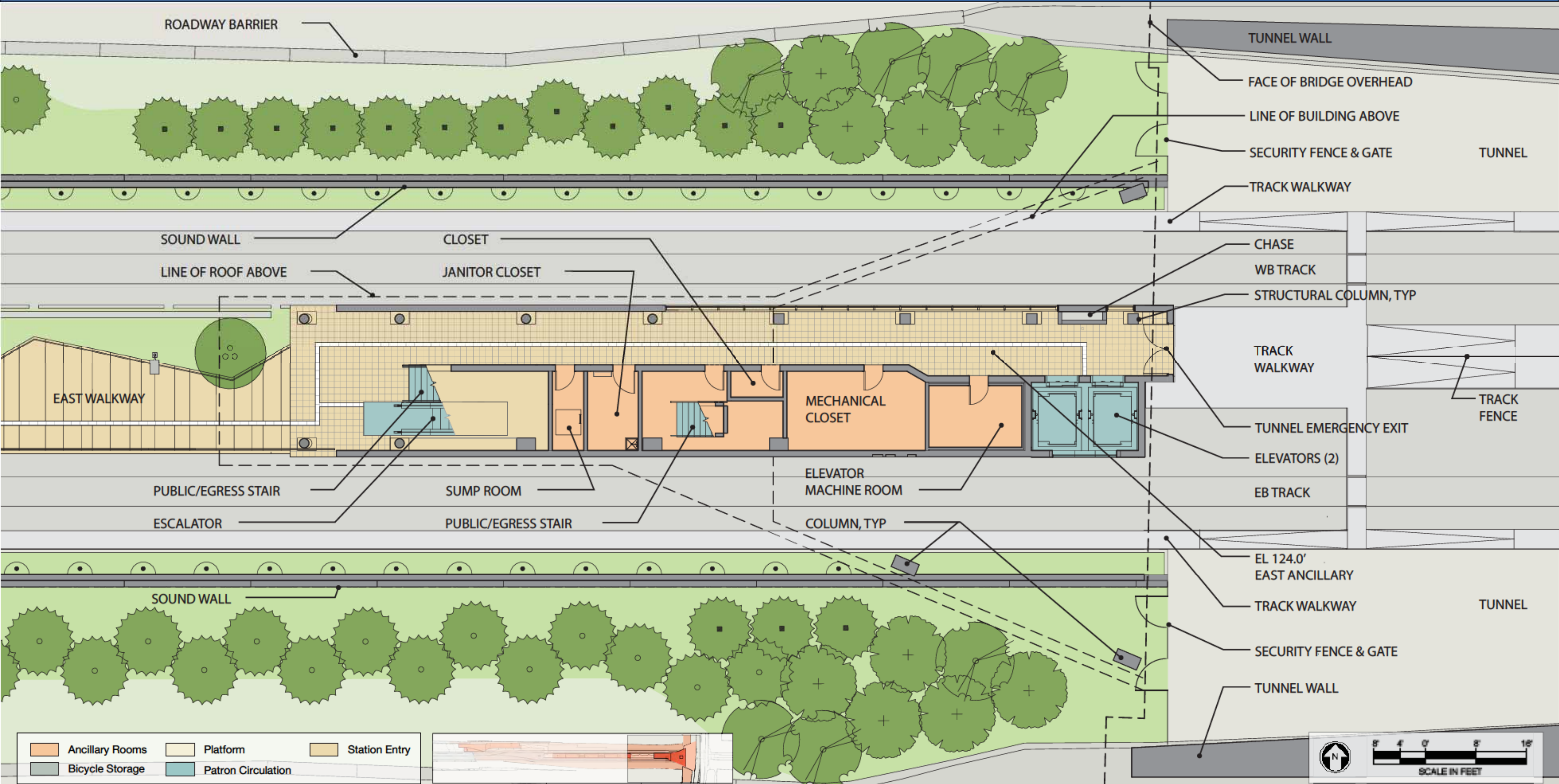
23rd AVE S

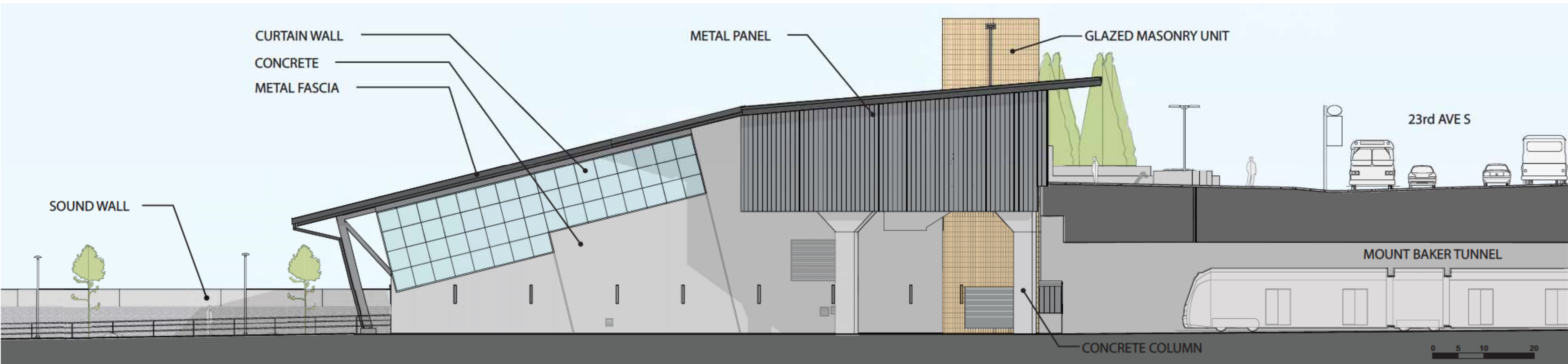
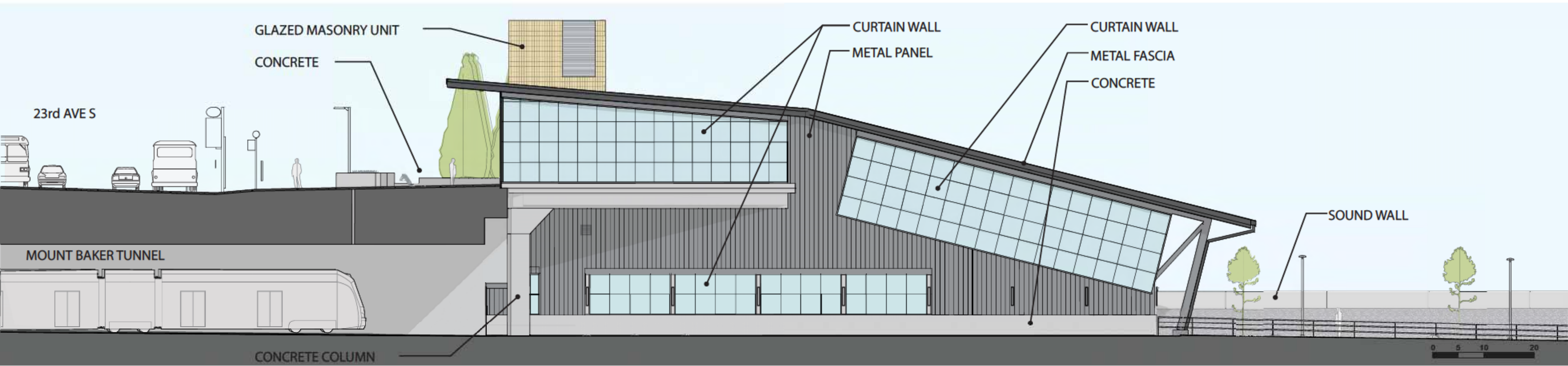
- Ancillary Rooms
- Platform
- Station Entry
- Bicycle Storage
- Patron Circulation

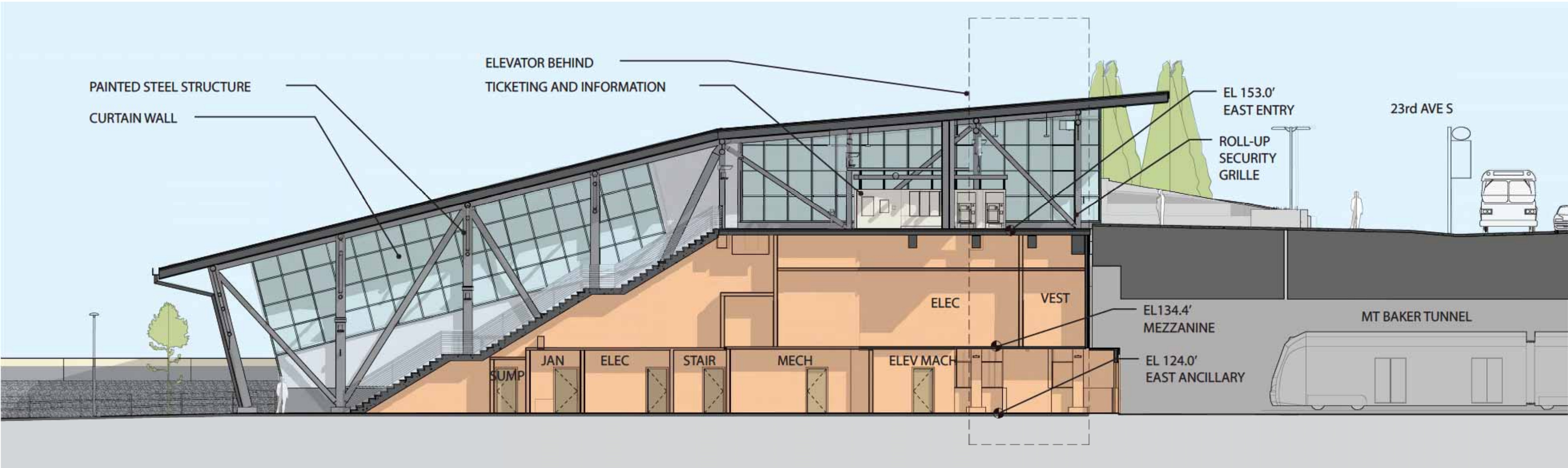


GUARDRAIL
OUTLOOK



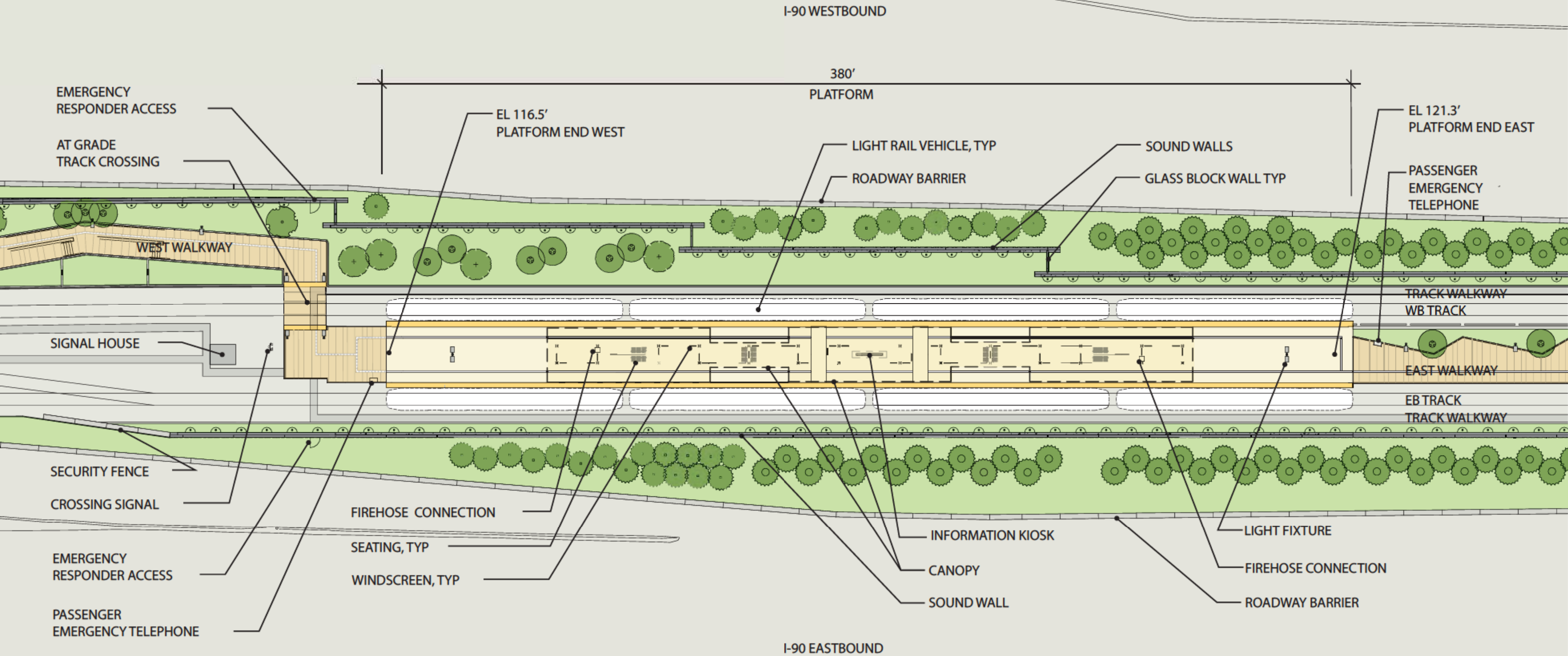




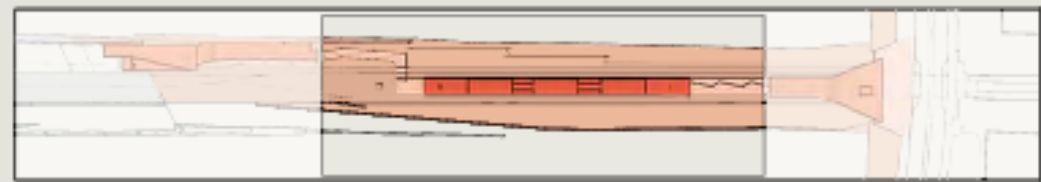








Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	

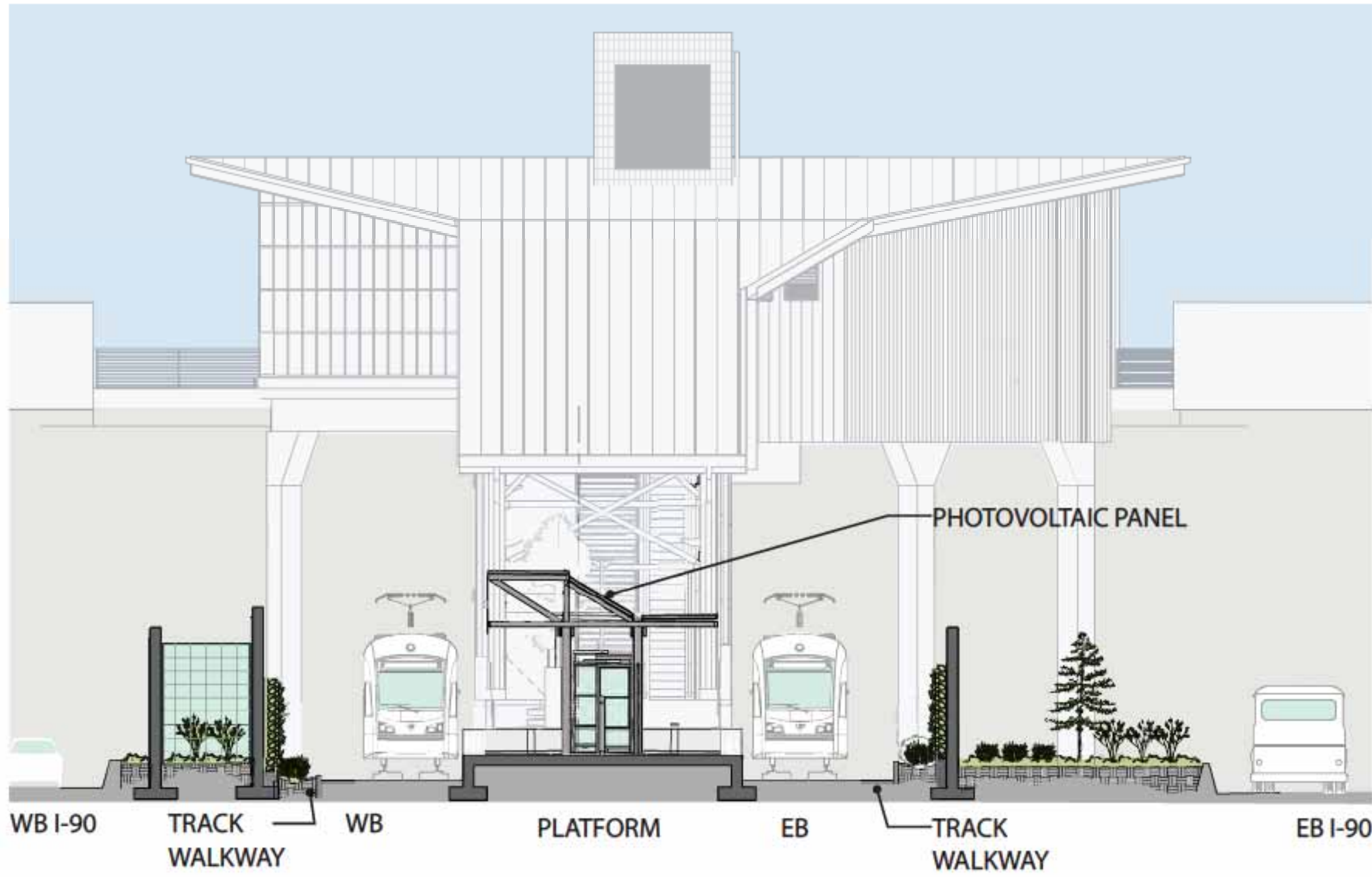


SCALE IN FEET

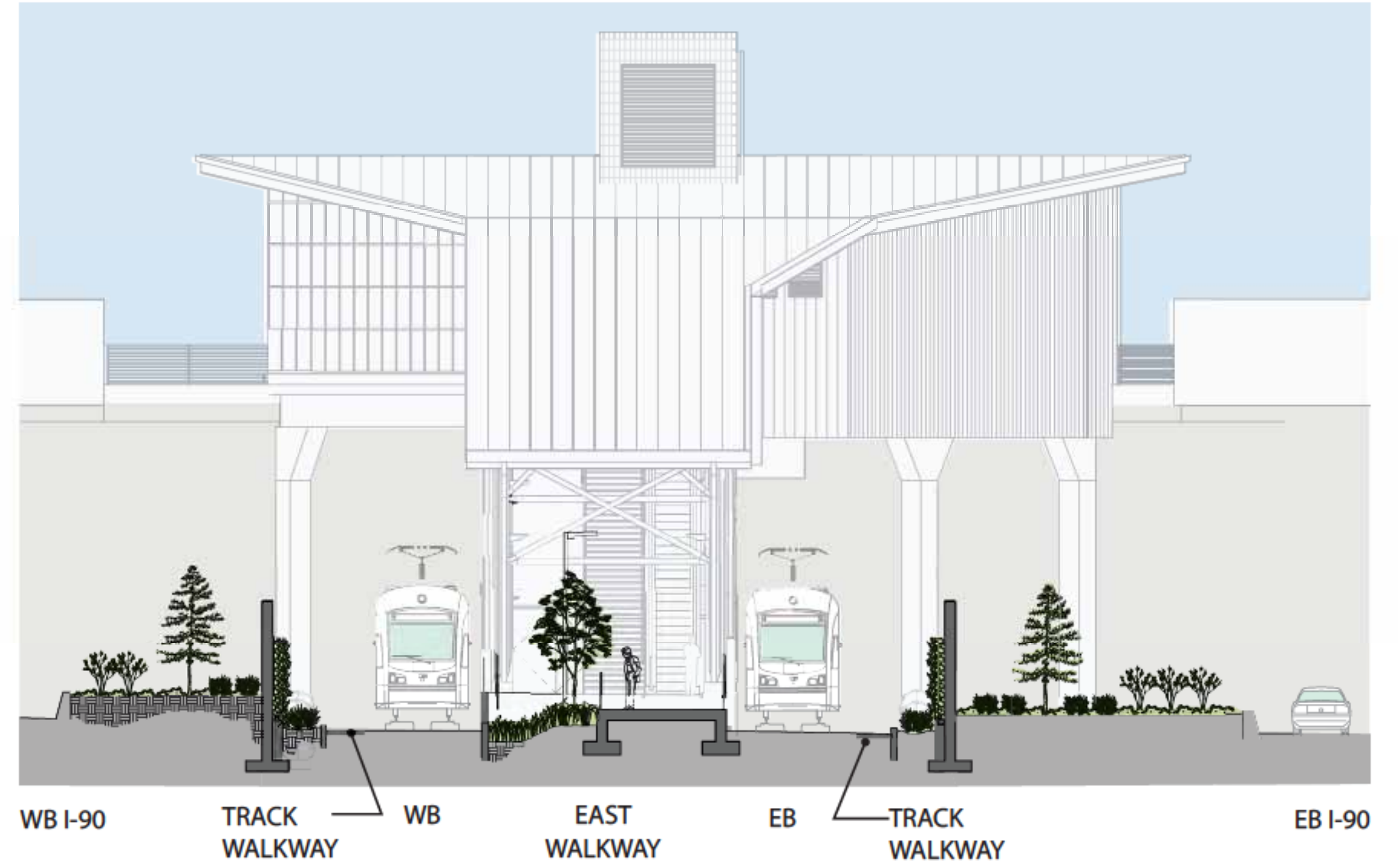
20' 10' 0' 20' 40'



Key Longitudinal Site Section



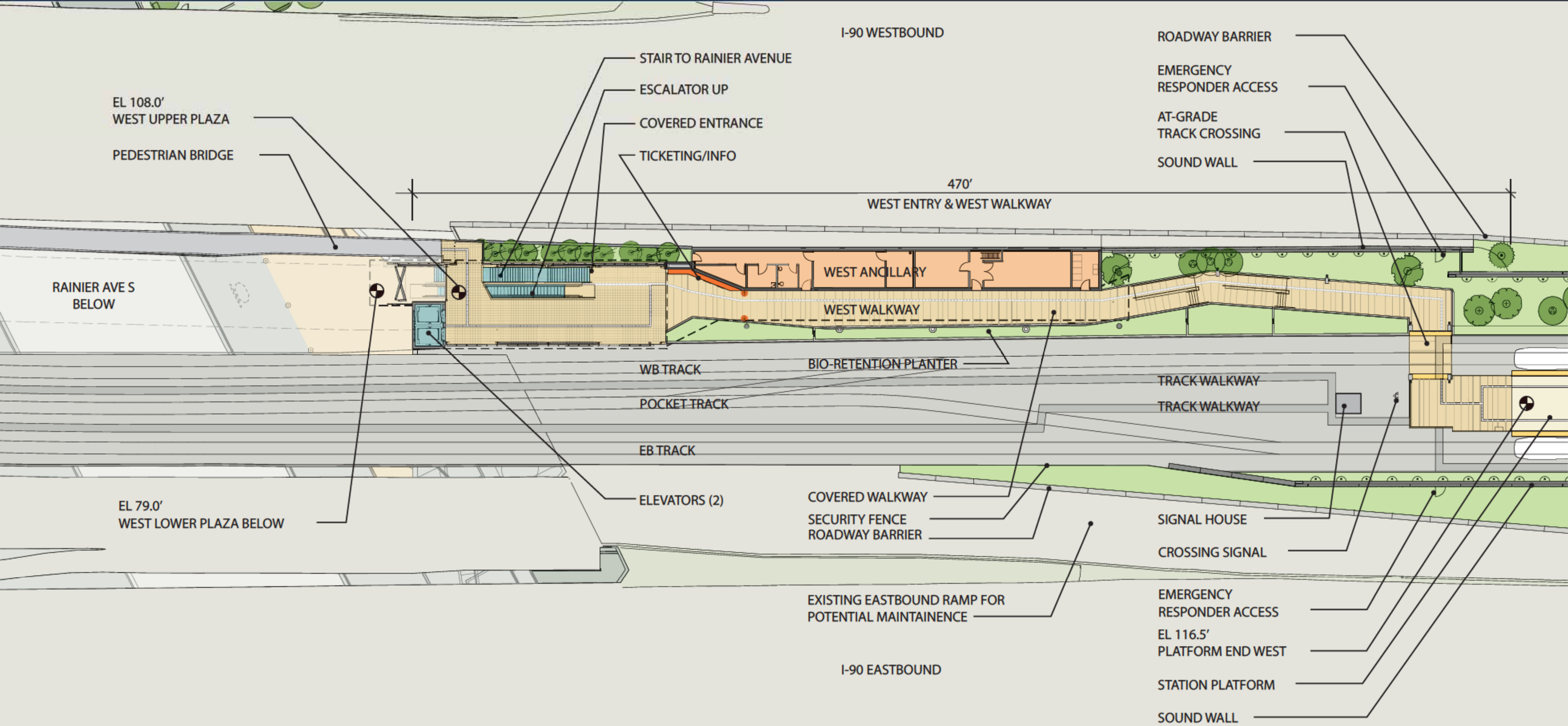
Section C



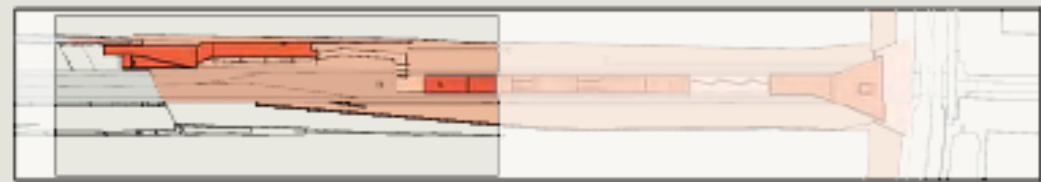
Section D



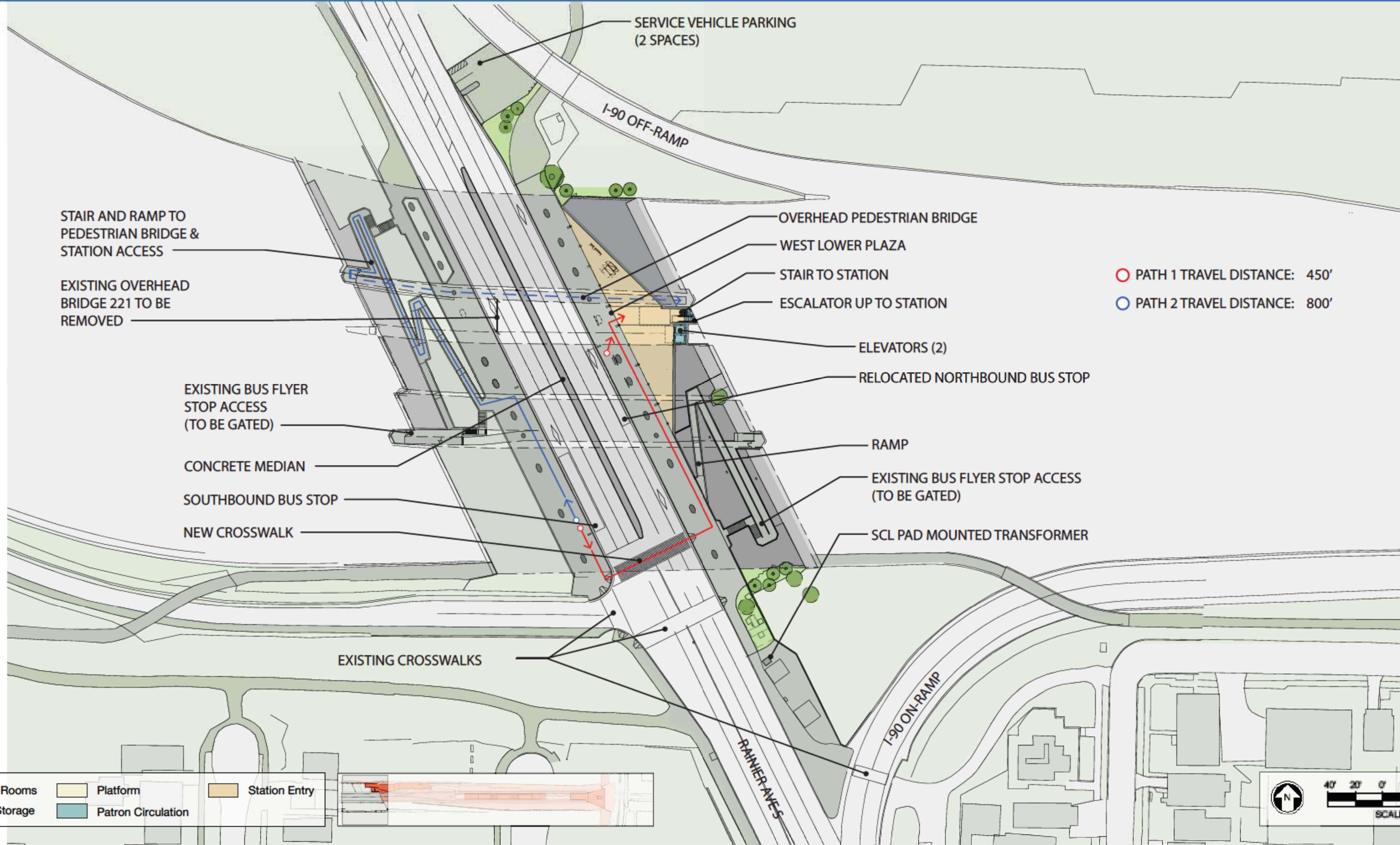




Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	

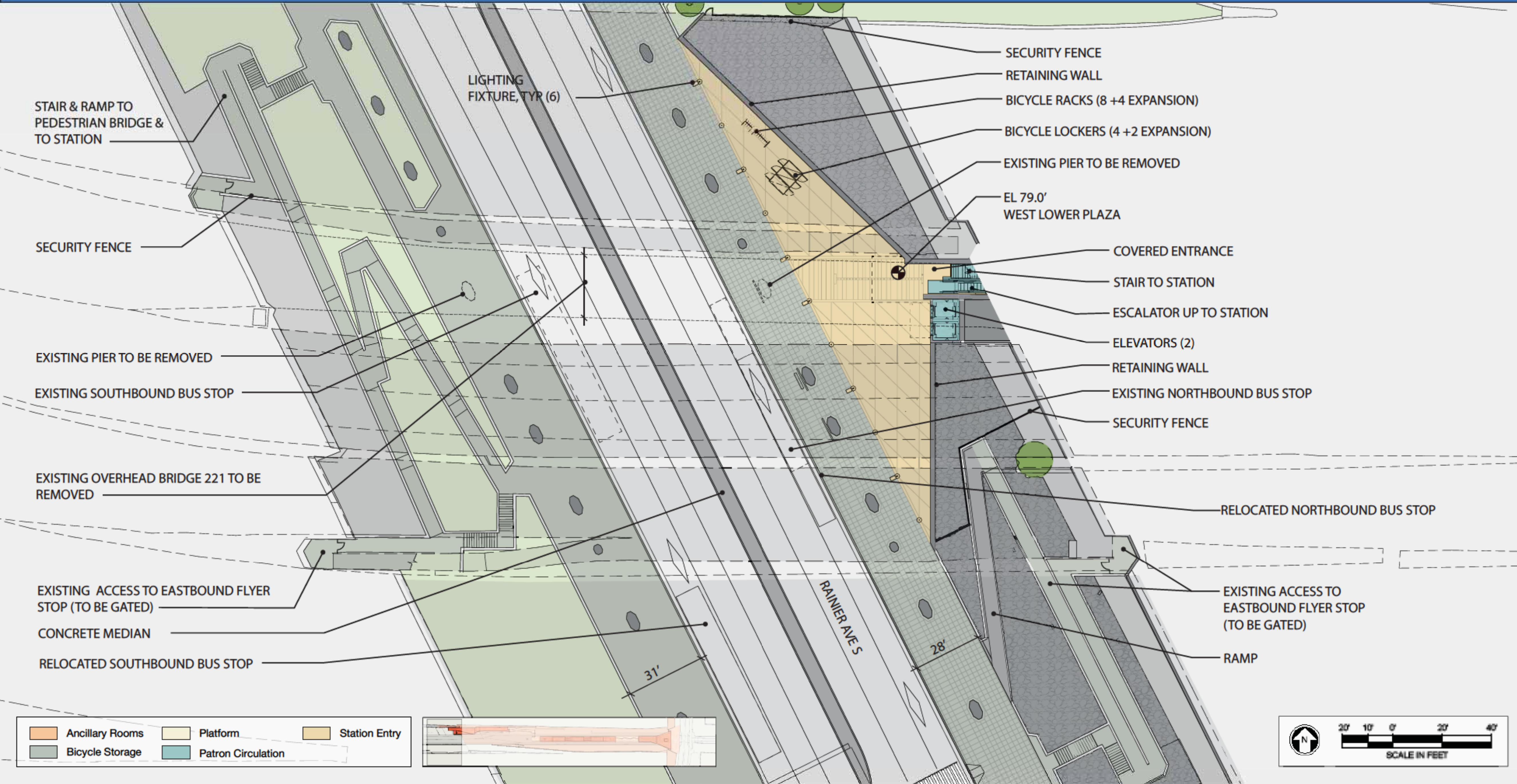


SCALE IN FEET



Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	

SCALE IN FEET



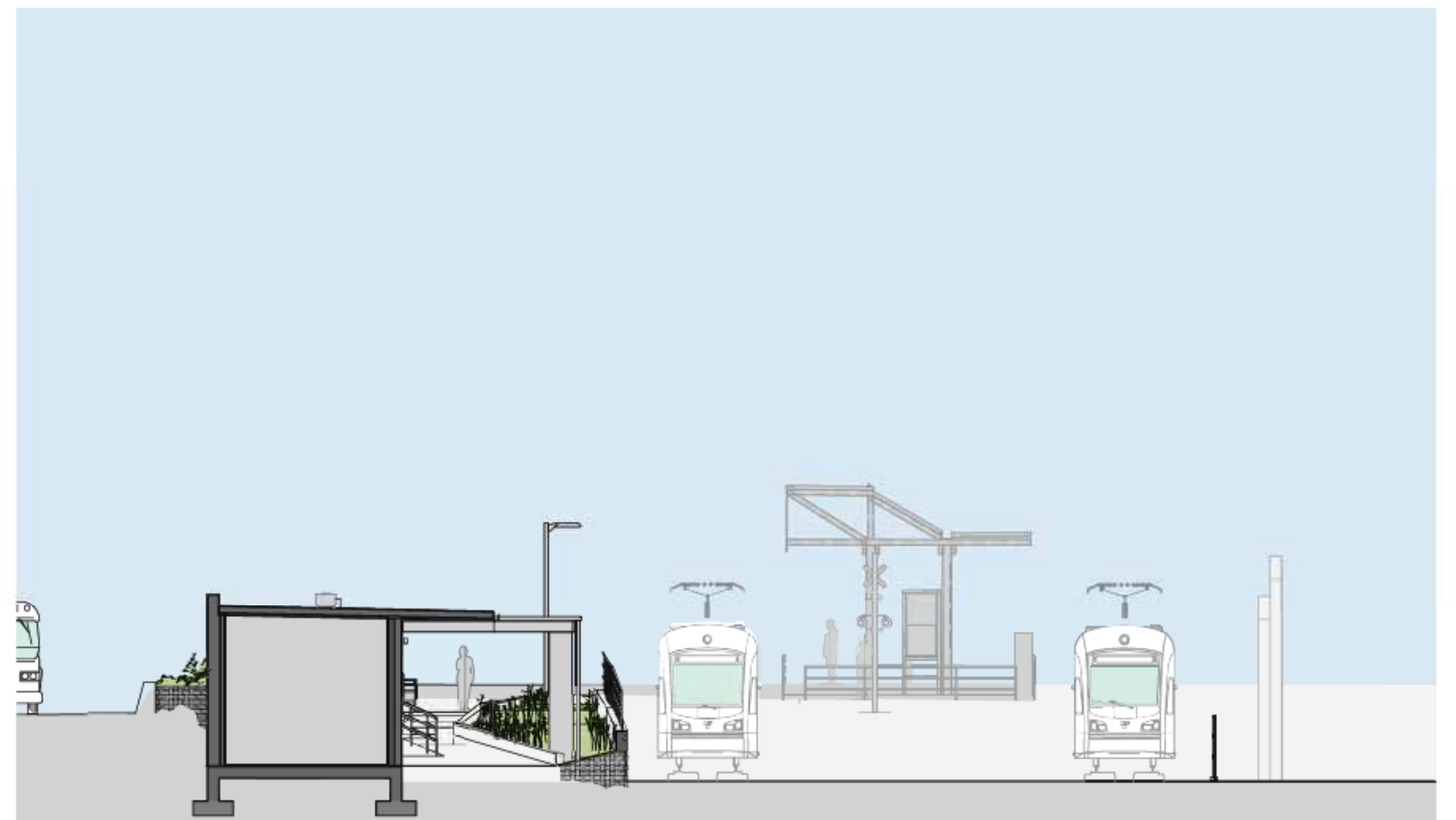


Key Longitudinal Site Section



WB I-90 PEDESTRIAN BRIDGE WEST ENTRY BRIDGE 222

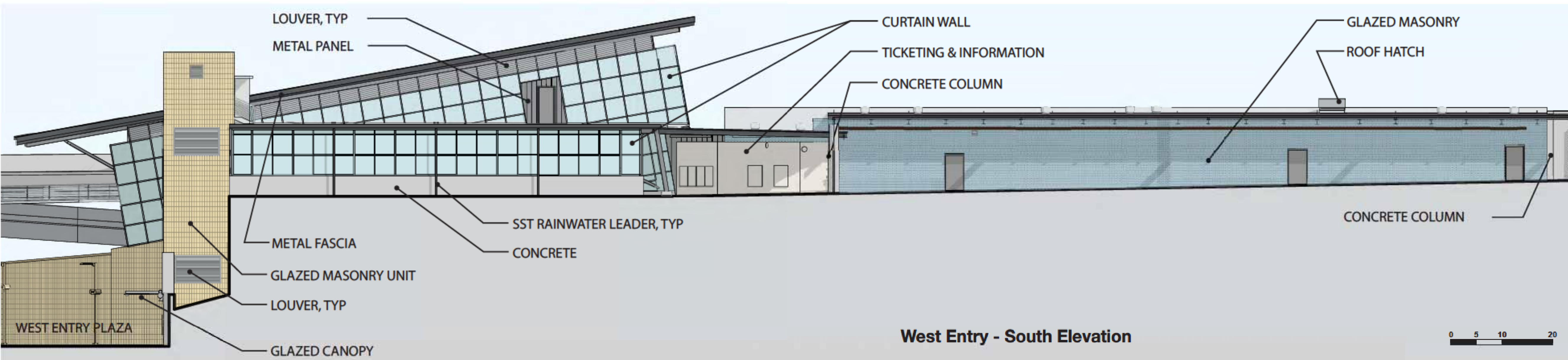
Section A



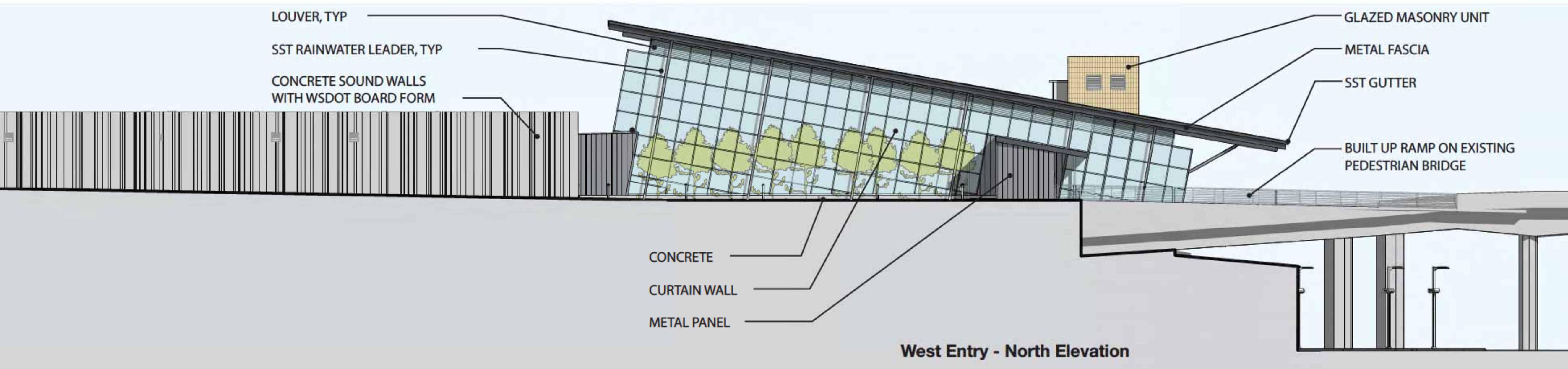
WB I-90 WEST ANCILLARY WEST WALKWAY WB EB

Section B

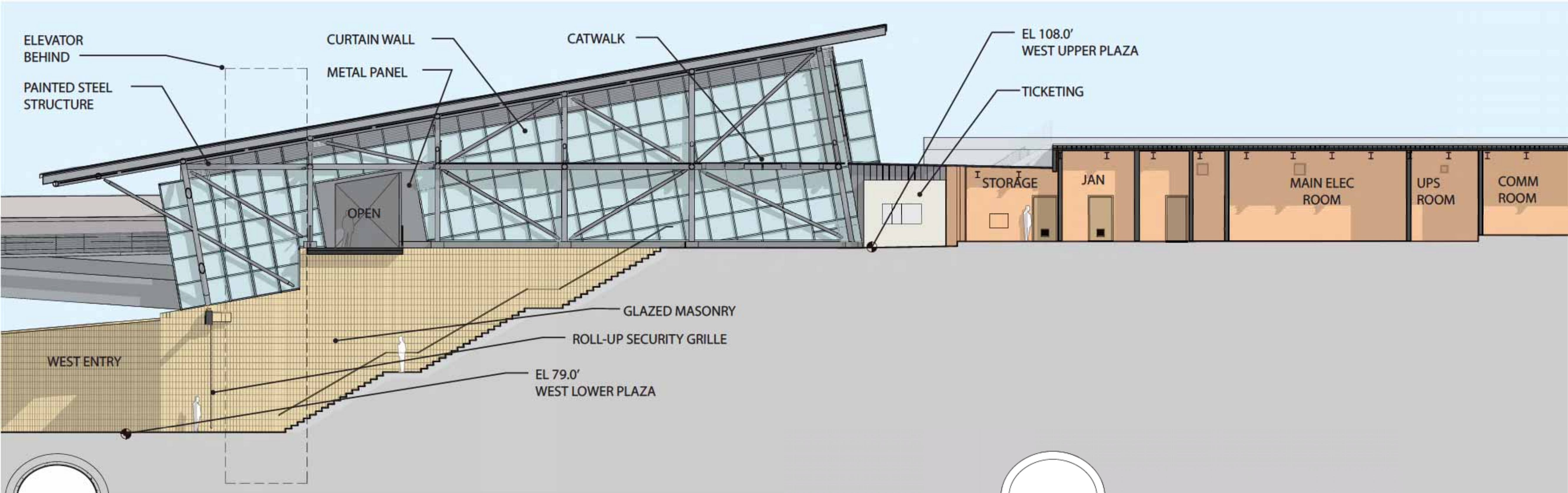




West Entry - South Elevation



West Entry - North Elevation

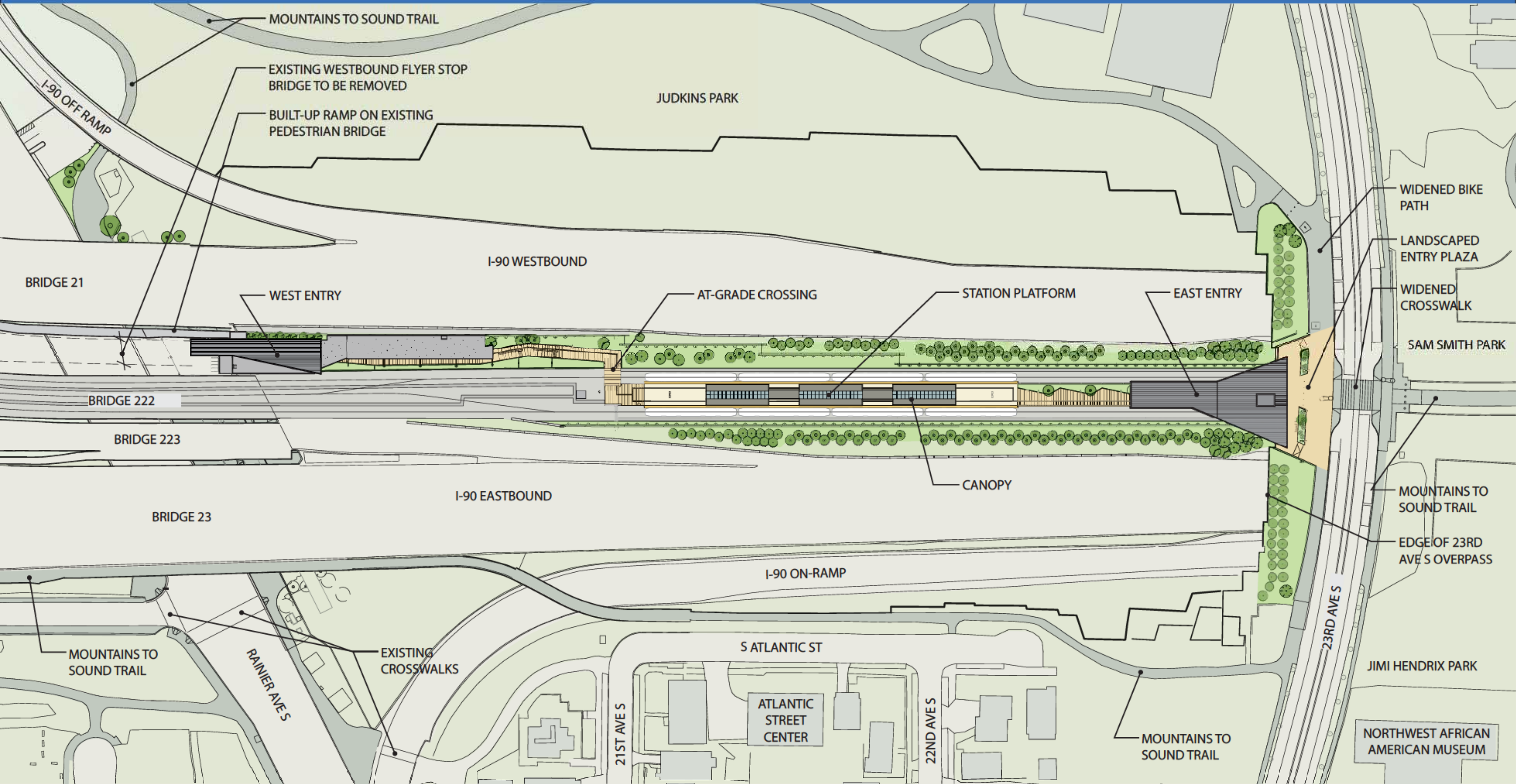




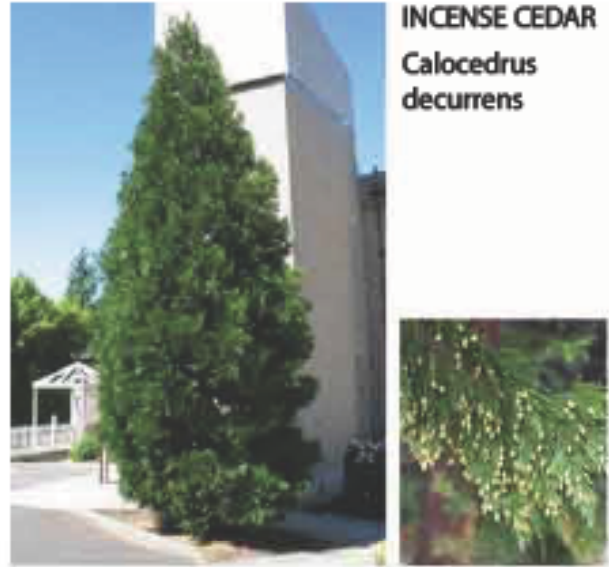
Rainier Station

Station Landscape





TREES - EVERGREEN



INCENSE CEDAR
Calocedrus decurrens



AUSTRIAN PINE
Pinus nigra

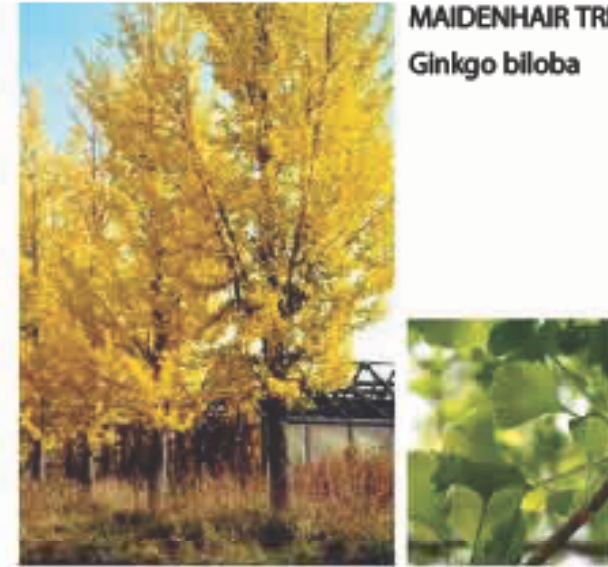
TREES - DECIDUOUS



VINE MAPLE
Acer circinatum



DOUGLAS MAPLE
Acer glabrum



MAIDENHAIR TREE
Ginkgo biloba



CORAL BARK MAPLE
Acer palmatum 'Sango-Kaku'



STAGHORN SUMAC
Rhus typhina

SHRUBS



OREGON GRAPE
Mahonia aquifolium



SHRUB SERVICEBERRY
Amelanchier alnifolia



DWARF SWEETBOX
Sarcococa hookeriana humilis



KELSEY DOGWOOD
Cornus stolonifera 'Kelsey'



OCEAN SPRAY
Holodiscus discolor



RED FLOWERING CURRANT
Ribes sanguineum

GROUNDCOVERS & PERENNIALS



HELLEBORE
Hellebore purpurea



EUPHORBIA
Euphorbia amygdaloides var. Robbiae



BECCA FLAX LILY
Dianella caerulea 'DCNCO' P.P.



GOLD STRIPE FLAX LILY
Dianella tasmanica 'Yellow Stripe'



DEER FERN
Blechnum spicant



LADY FERN
Athyrium filix-femina



SWORD FERN
Polystichum munitum



SLOUGH SEDGE
Carex obnupta



SOFT RUSH
Juncus effusus var. Pacificus



SWORD LEAF RUSH
Juncus ensifolius



JAPANESE SPURGE
Pachysandra terminalis



KINNIKINICK
Arctostaphylos uva-ursi



LOW OREGON GRAPE
Mahonia nervosa

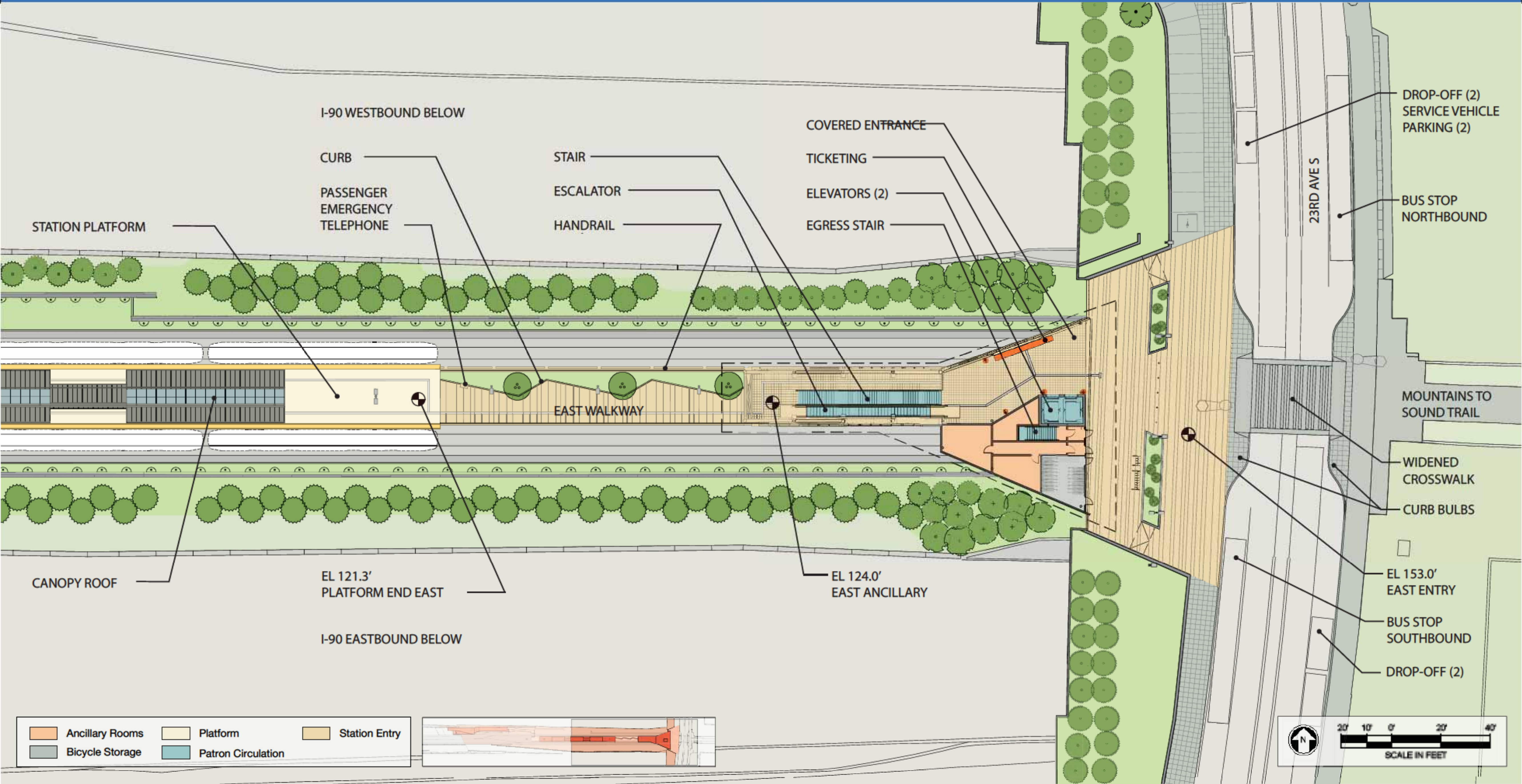


SALAL
Gaultheria shallon

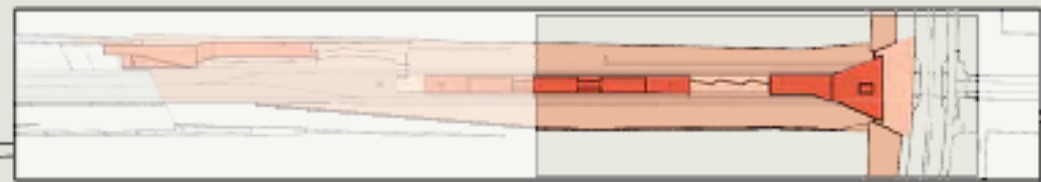
VINES



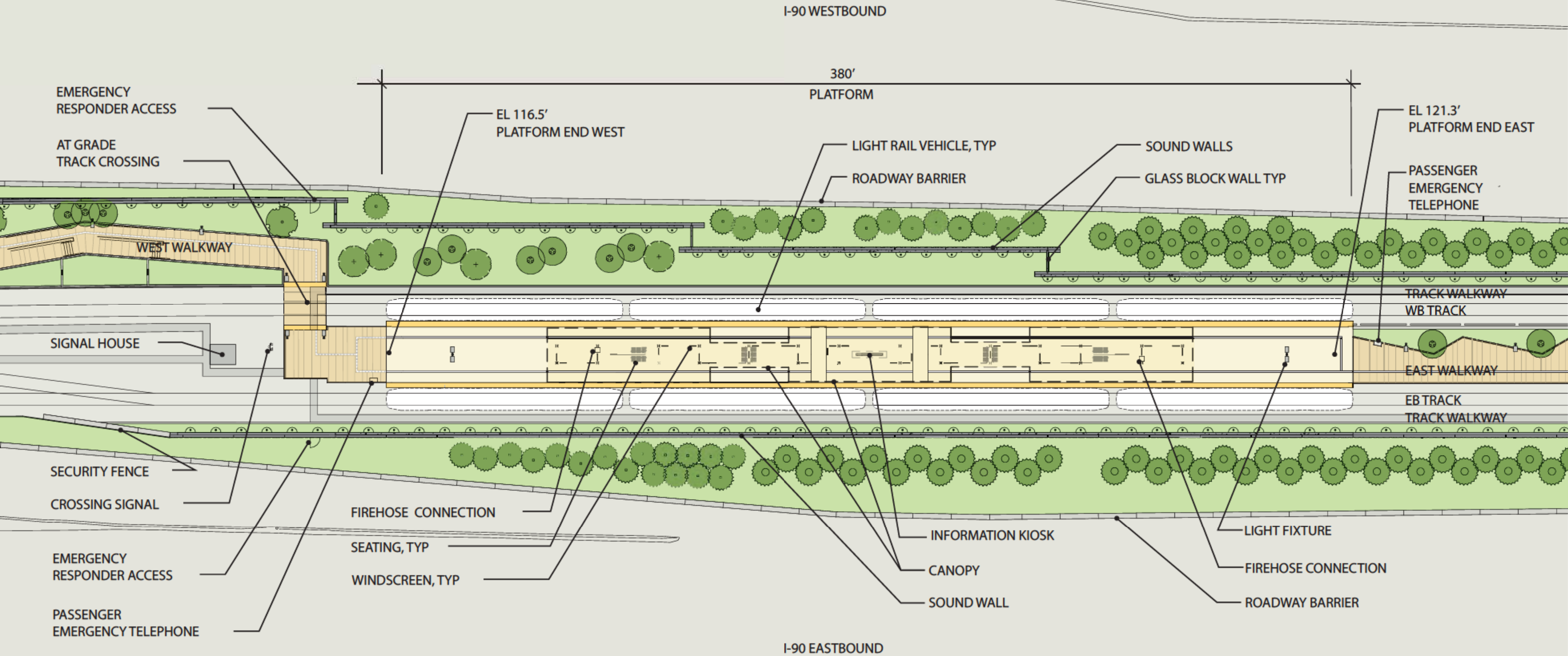
BOSTON IVY
Parthenocissus tricuspidata



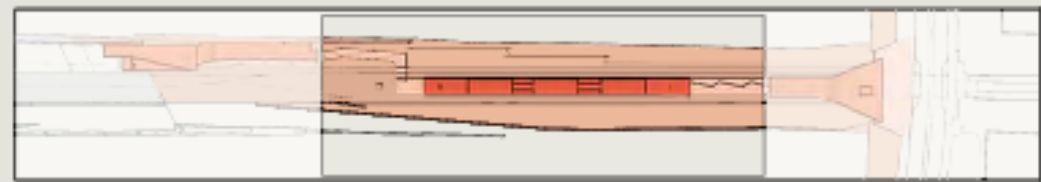
Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	



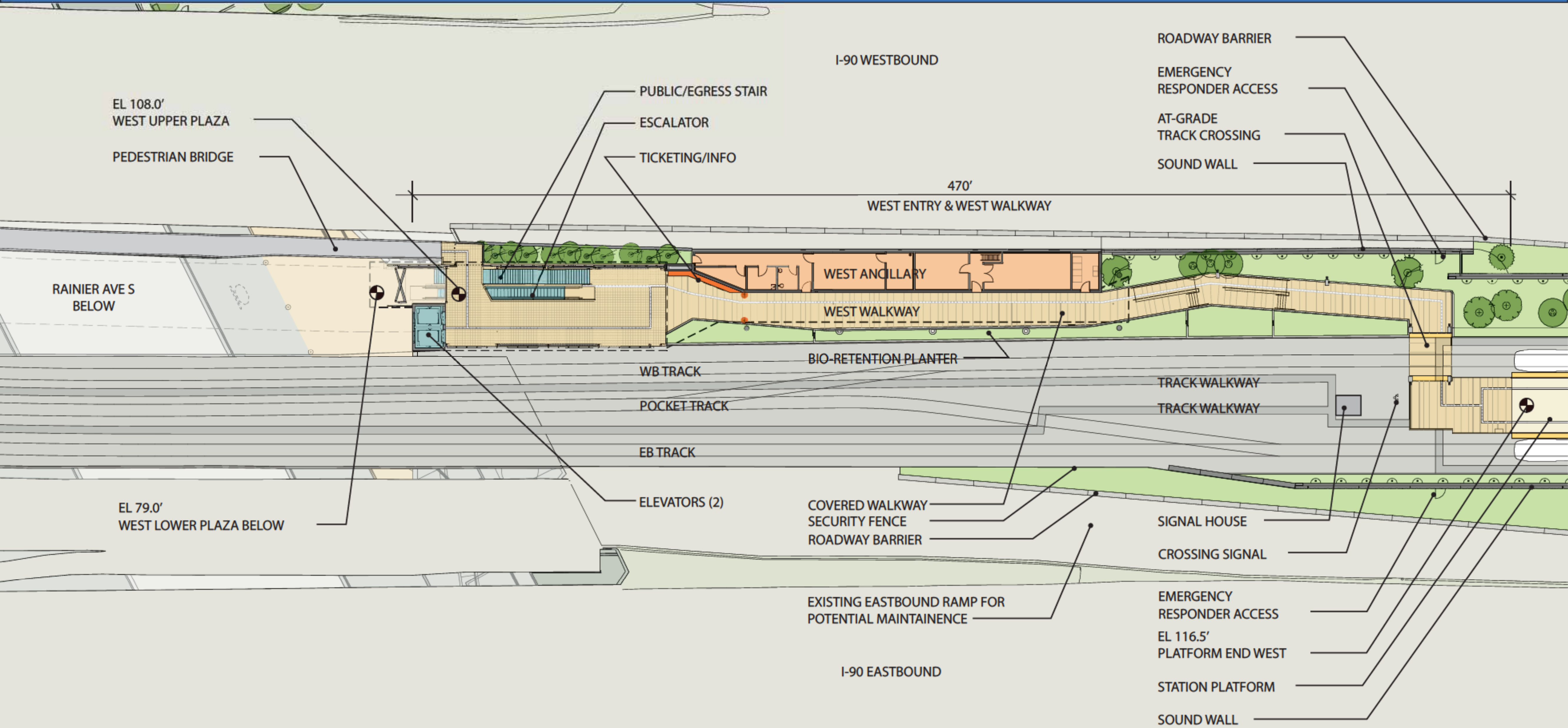
SCALE IN FEET



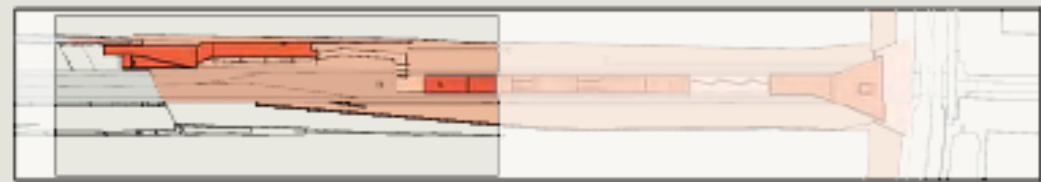
Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	



SCALE IN FEET



Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	

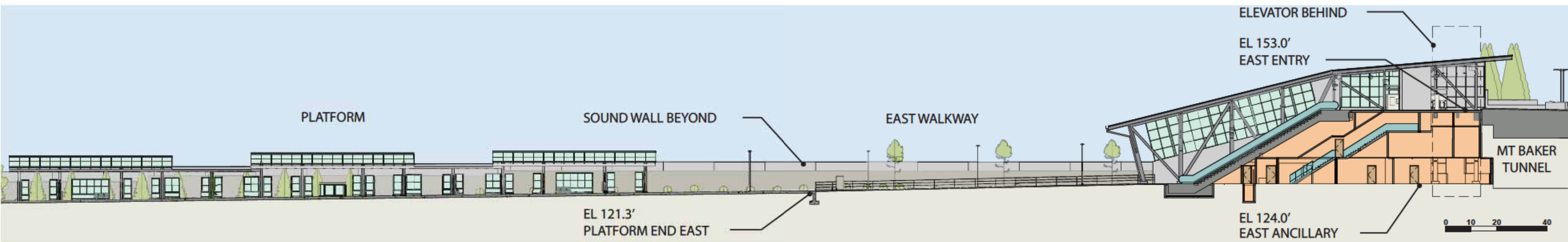
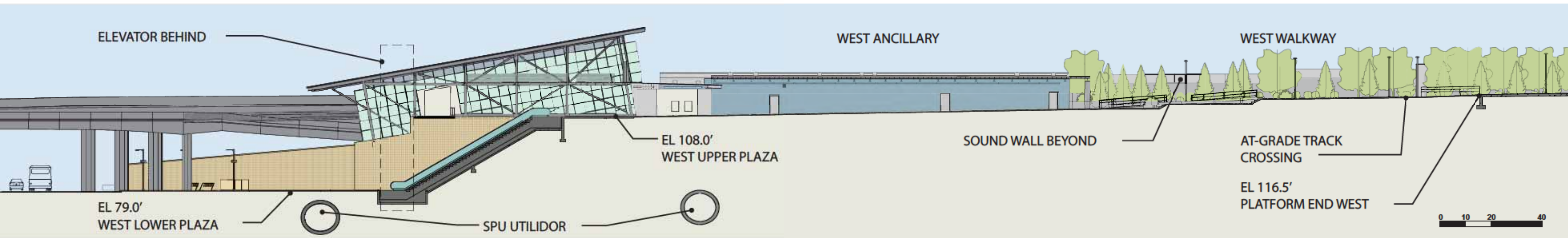


SCALE IN FEET

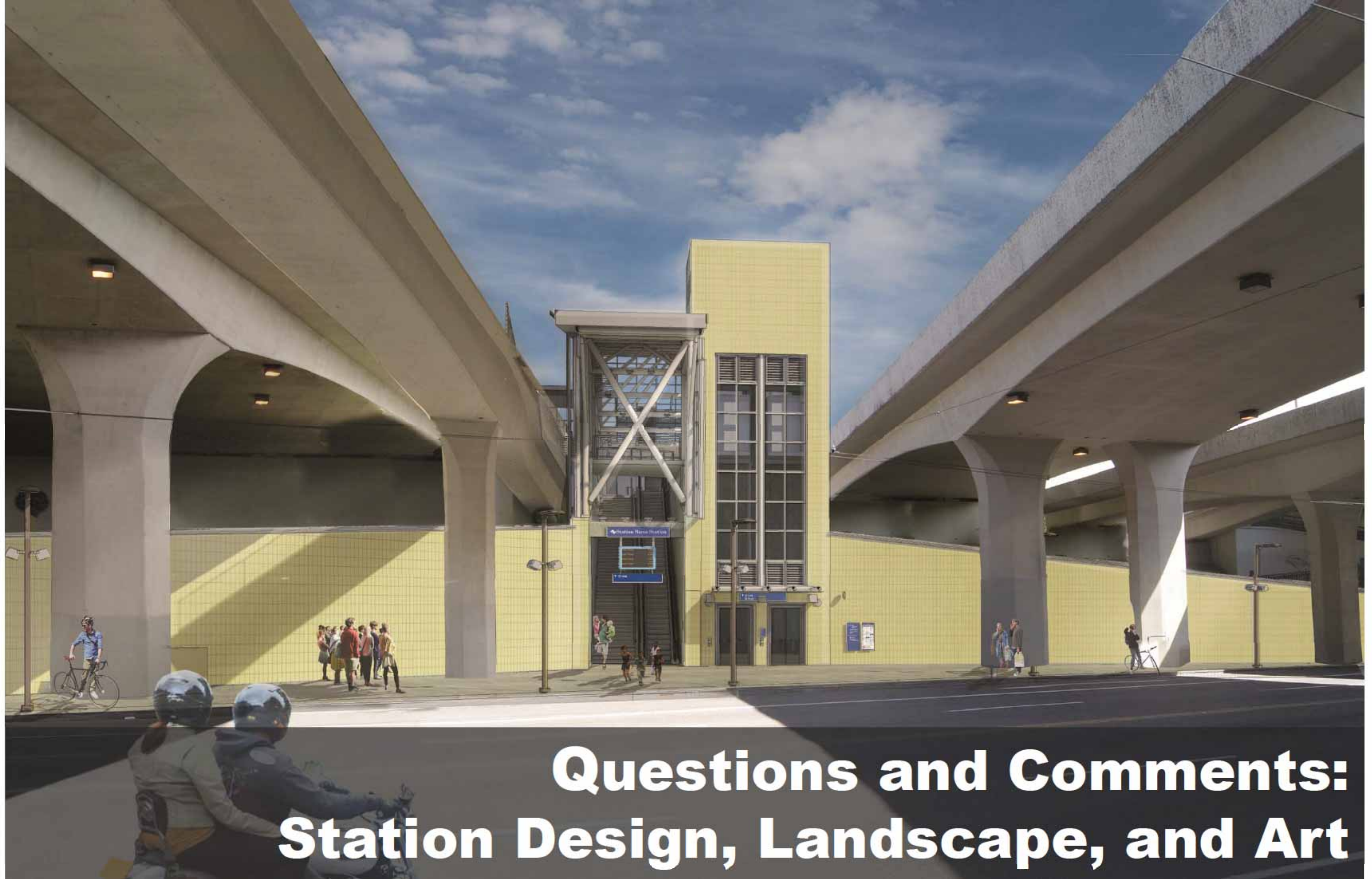
ST art

Station Art









**Questions and Comments:
Station Design, Landscape, and Art**