



**East Link Extension: Systems Structures  
Light Rail Review Panel – 60% Design**

September 4, 2014

# Agenda

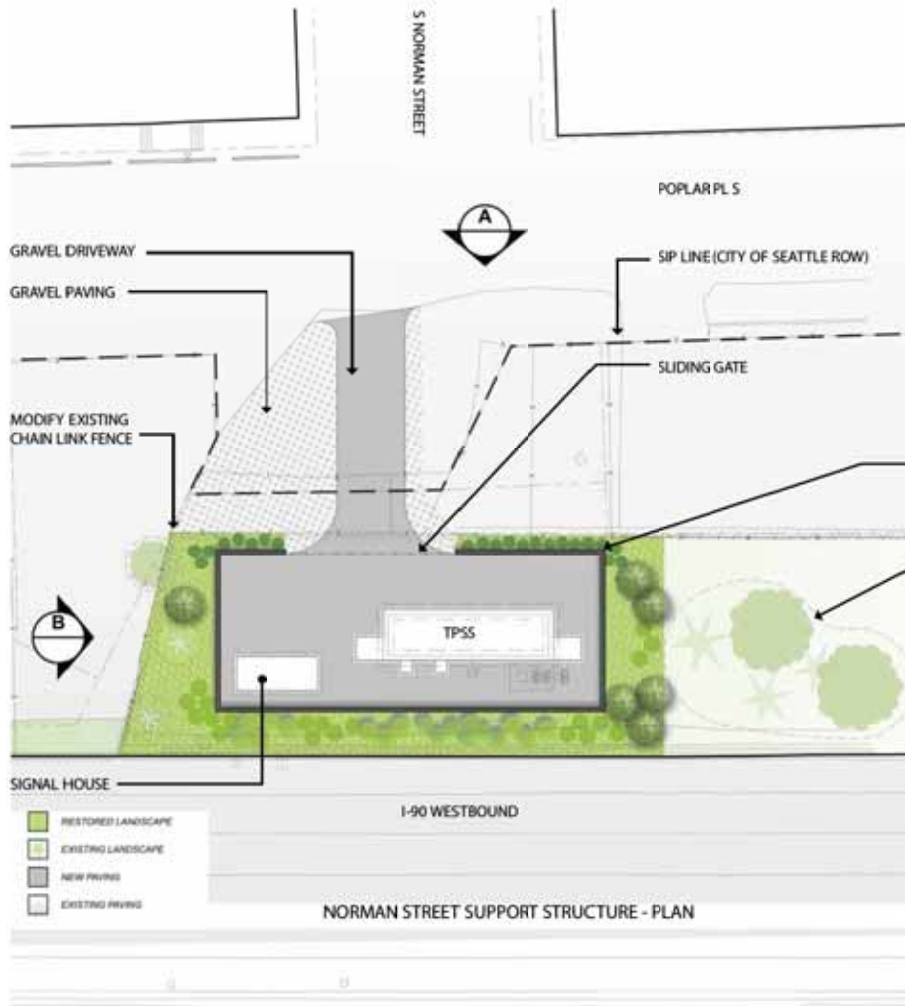


- ❖ Introduction, *Cynthia Padilla, ST*
- ❖ East Link Systems Structures – Seattle
  - Systems Structures *Paul Bennett, ST*  
*Audrey West, NAKANO/PB*
  - SStart *Barbara Luecke, ST*
- ❖ Questions and Comments
- ❖ Conclusions and Next Steps

# Systems Structures

Support Structures and Screening





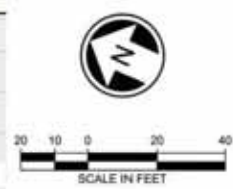
### TREES - EVERGREEN



### SHRUBS



### GROUNDCOVERS





NORMAN STREET SUPPORT STRUCTURE - AERIAL VIEW



NORMAN STREET SUPPORT STRUCTURE - LOOKING WEST



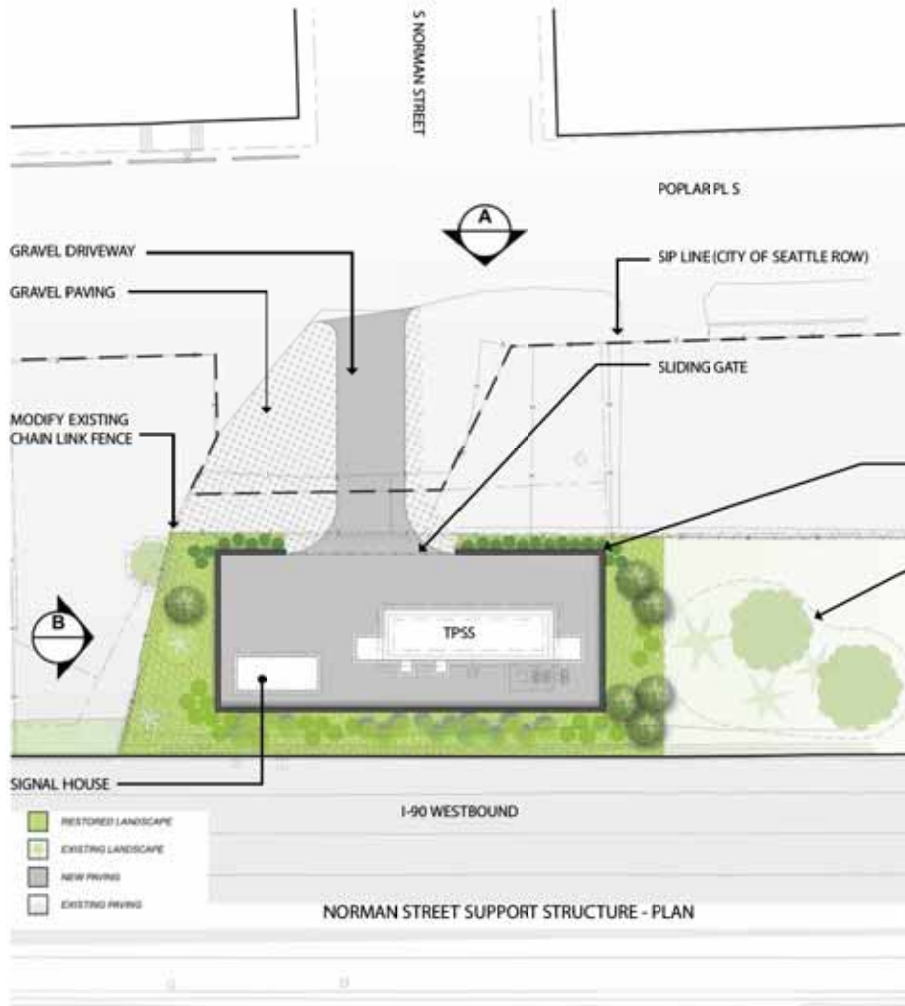
NORMAN STREET SUPPORT STRUCTURE - EXISTING CONDITIONS



NORMAN STREET SUPPORT STRUCTURE - LOOKING WEST



NORMAN STREET SUPPORT STRUCTURE - EXISTING CONDITIONS



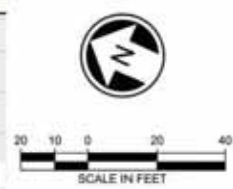
### TREES - EVERGREEN

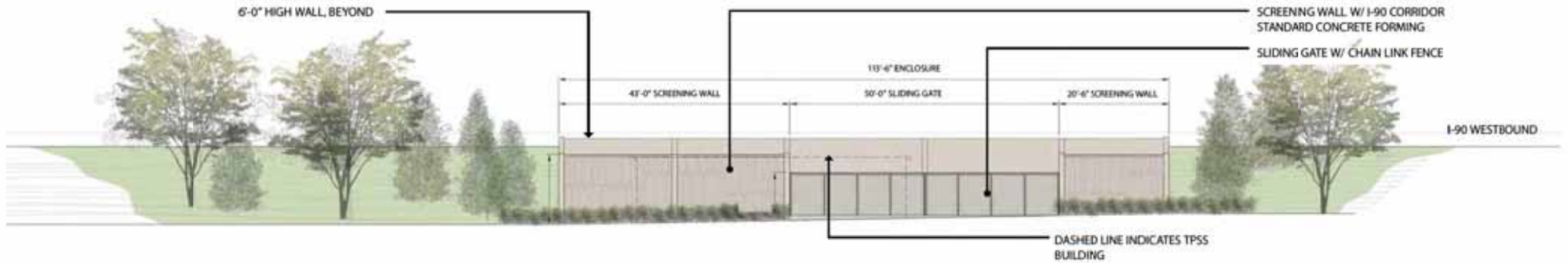


### SHRUBS

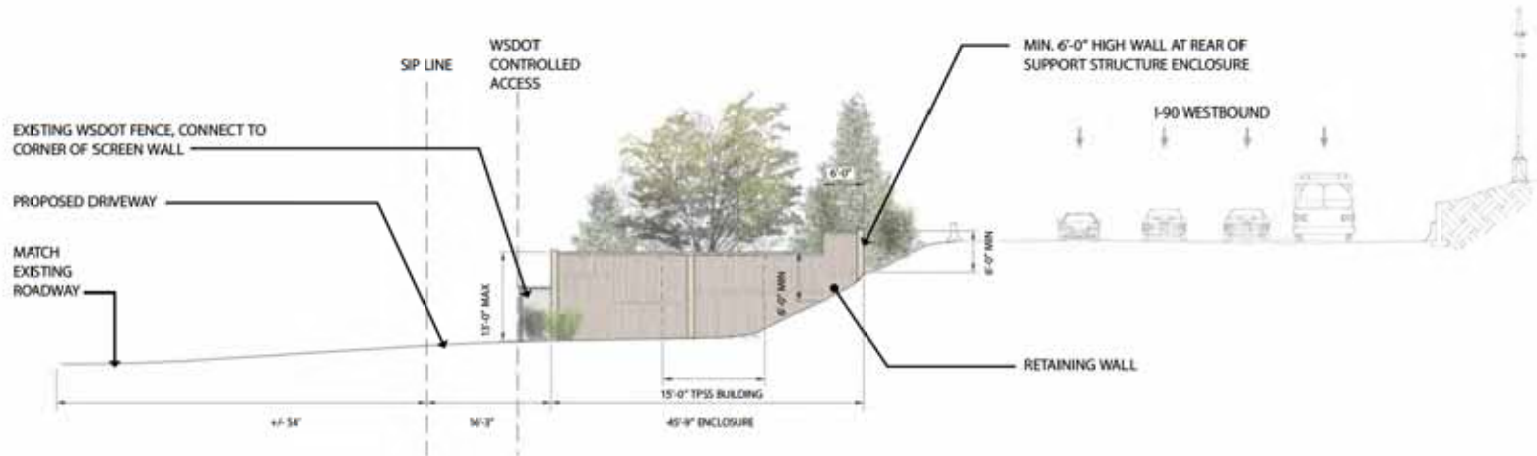


### GROUNDCOVERS

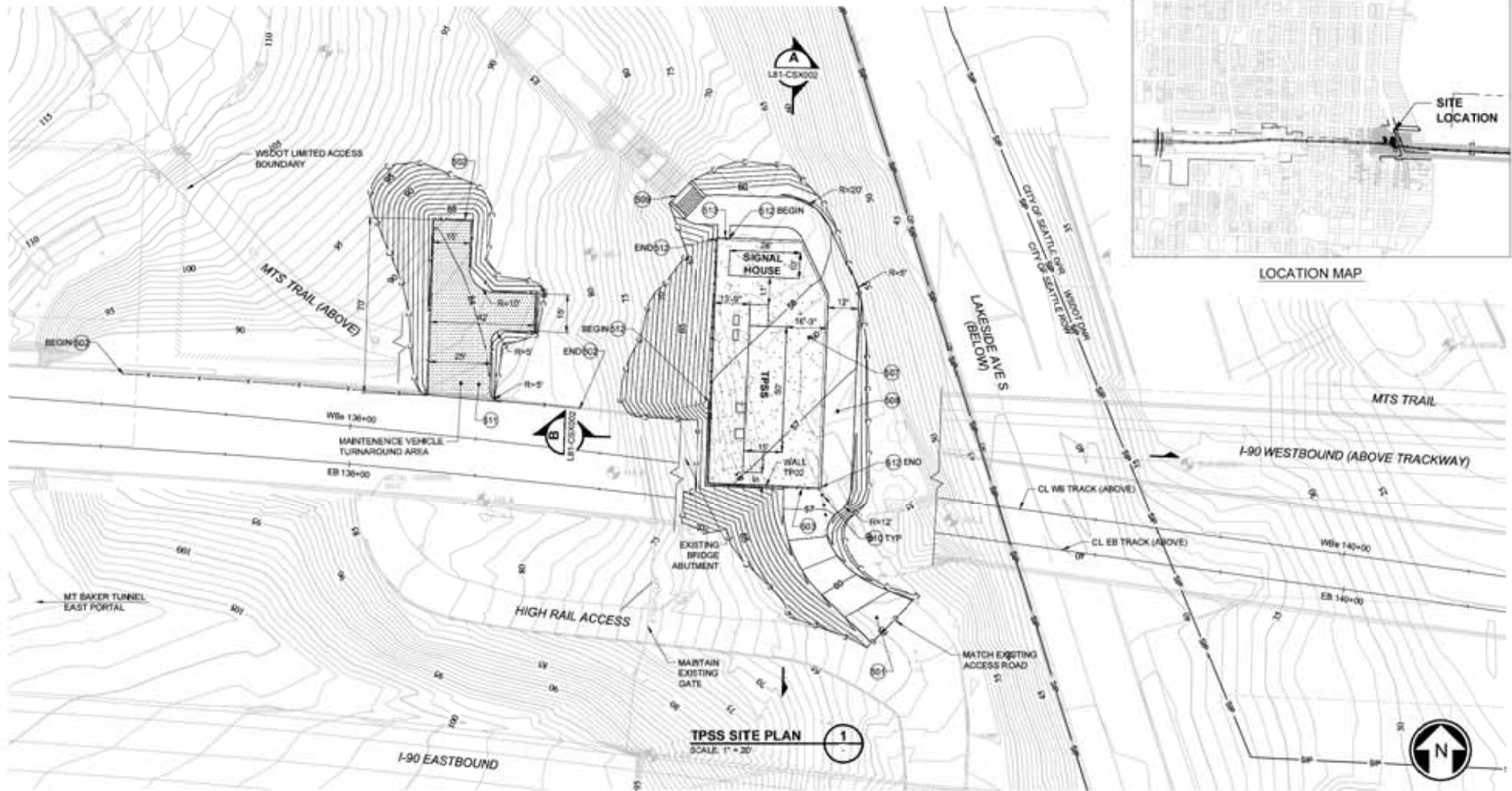




(A) NORMAN STREET SUPPORT STRUCTURE - EAST ELEVATION



(B) NORMAN STREET SUPPORT STRUCTURE - NORTH ELEVATION



**TPSS SITE PLAN**  
SCALE: 1" = 20'

**CONSTRUCTION NOTES:**

- 601 CONSTRUCT HMA DRIVEWAY PER SECTION ON SHEET CTD004 AND PLAN AND PROFILE ON SHEET COP202
- 602 INSTALL 6" FENCING PER DETAIL ON SHEET CTD019
- 603 INSTALL 14" AUTO GATE PER DETAIL ON SHEET LSD003
- 604 CONSTRUCT 6" GRAVEL SURFACING PER DETAIL ON SHEET CTD004
- 605 CONSTRUCT 12" HMA PATH PER SECTION ON SHEET CTD004

**CONSTRUCTION NOTES (CONTINUED):**

- 609 CONSTRUCT STAIRWAY EXTENSION PER DETAILS ON SHEETS CTD027 AND CTD028
- 610 CONSTRUCT FIXED BOLLARDS (3) PER DETAILS ON SHEET CTD028
- 611 CONSTRUCT HMA TURNAROUND PER SECTION ON SHEET CTD004
- 612 CONSTRUCT SCREENING FENCE PER DETAIL ON SHEET LSD003
- 613 CONSTRUCT PEDESTRIAN GATE PER DETAIL ON SHEET LSD003

**NOTES:**

- 1 SEE SYSTEMS AND STRUCTURAL DRAWINGS FOR TPSS AND SIGNAL HOUSE DETAILS
- 2 SEE SYSTEMS DRAWINGS FOR CONDUIT ROUTING AND GROUNDING GRID LOCATIONS
- 3 SEE LANDSCAPE DRAWINGS FOR SITE RESTORATION AND ADDITIONAL SCREENING
- 4 SEE STRUCTURAL DRAWINGS FOR TPSS FOUNDATION DETAILS
- 5 SEE SHEET CS0002 FOR UTILITY/ DRAINAGE RELOCATIONS AND ADDITIONS
- 6 SEE SHEET COP302 FOR WALL TYP2 PLAN AND PROFILE



	BY DRAWN NO. TP-1301-LAL-02002	REVIEWED BY SPQ/WATER ENGINEERING 20	NAME OR DETAILS AND DATE DESIGNER: RB 1/01 CHECKED: S. PEREZ	DETAILS AND DATE REVIEWED: PROJECT MANAGER: A. PEREZ		TPSS#2 SITE PLAN	CITY PROJECT NO. 150000
	BY CONTRACT NAME NAME SPQ PROJECT NO. 150000	REVIEWED BY SPQ/DRAINAGE 20	APPROVED BY SDOT STREET IMPROVEMENT PERMITTING 20	DESIGN ROOM: S. PEREZ PROJECT NO.: P15000-AS-BAL-1			SCALE: NTS ARCHITECT'S BOOK

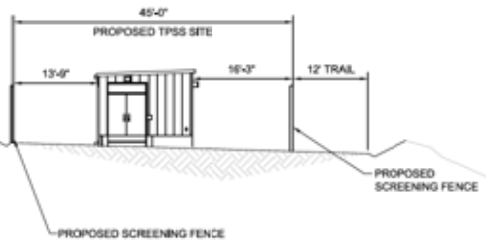
SHEET 1 OF 11 (SEE SHEET 11) DRAWN BY: S. PEREZ  
 CITY OF SEATTLE DEPARTMENT OF TRANSPORTATION



AREA LIST  
 45'-0" TPSS  
 12'-0" TRAIL

WB 140 ROADWAY

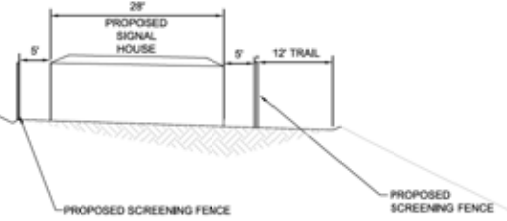
MAINT ROADWAY  
 TURNAROUND



**TPSS SITE TYPICAL SECTION**  
**APPROX STA**  
 SCALE: 1"=10'

**C**  
 CSP002

MAINT ROADWAY  
 TURNAROUND



**TPSS SITE TYPICAL SECTION**  
**S**  
 SCALE: 1"=10'

**D**  
 CSP002

**60% SUBMITTAL**

DESIGNED BY:  
 J. GUERRERO  
 DRAWN BY:  
 M. SANCHEZ  
 CHECKED BY:  
 Y. JANG  
 APPROVED BY:  
 T. MUDAYANKAVIL



DAVID EVANS AND ASSOCIATES INC.



LINE IS 1"=10'  
 FULL SCALE



SCALE:  
 AS NOTED  
 FILE NAME:  
 CONTRACT ID:  
 E130  
 DATE:  
 07/11/2014

**LINK LIGHT RAIL**  
**CONTRACT E130**  
 SEATTLE-90 to SOUTH BELLEVUE  
 CIVIL  
 TPSS SITE SECTIONS

DRAWING NO.:  
**L81-CSX002**  
 LOCATION NO.:  
 L81  
 SHEET NO.: REV:  
 455

NO.	DATE	DSN	CHK	APP	REVISION

SUBMITTED BY: DATE: 07/11/14

REVIEWED BY: DATE: 07/11/14

DATE: 07/11/2014

07/23/14 1:27:17 PM J. GUERRERO  
 C:\PROJECTS\LINK LIGHT RAIL\CONTRACT E130\DRAWING\TPSS SITE SECTIONS\TPSS SITE SECTIONS - 60% SUBMITTAL.dwg



MT. BAKER SUPPORT STRUCTURE - AERIAL VIEW



(A) MT. BAKER SUPPORT STRUCTURE - VIEW LOOKING SOUTH



(B) MT. BAKER SUPPORT STRUCTURE - VIEW LOOKING SOUTH



(C) MT. BAKER SUPPORT STRUCTURE - VIEW LOOKING NORTH



(D) MT. BAKER SUPPORT STRUCTURE - VIEW LOOKING NORTH



(E) MT. BAKER SUPPORT STRUCTURE - VIEW LOOKING NORTH



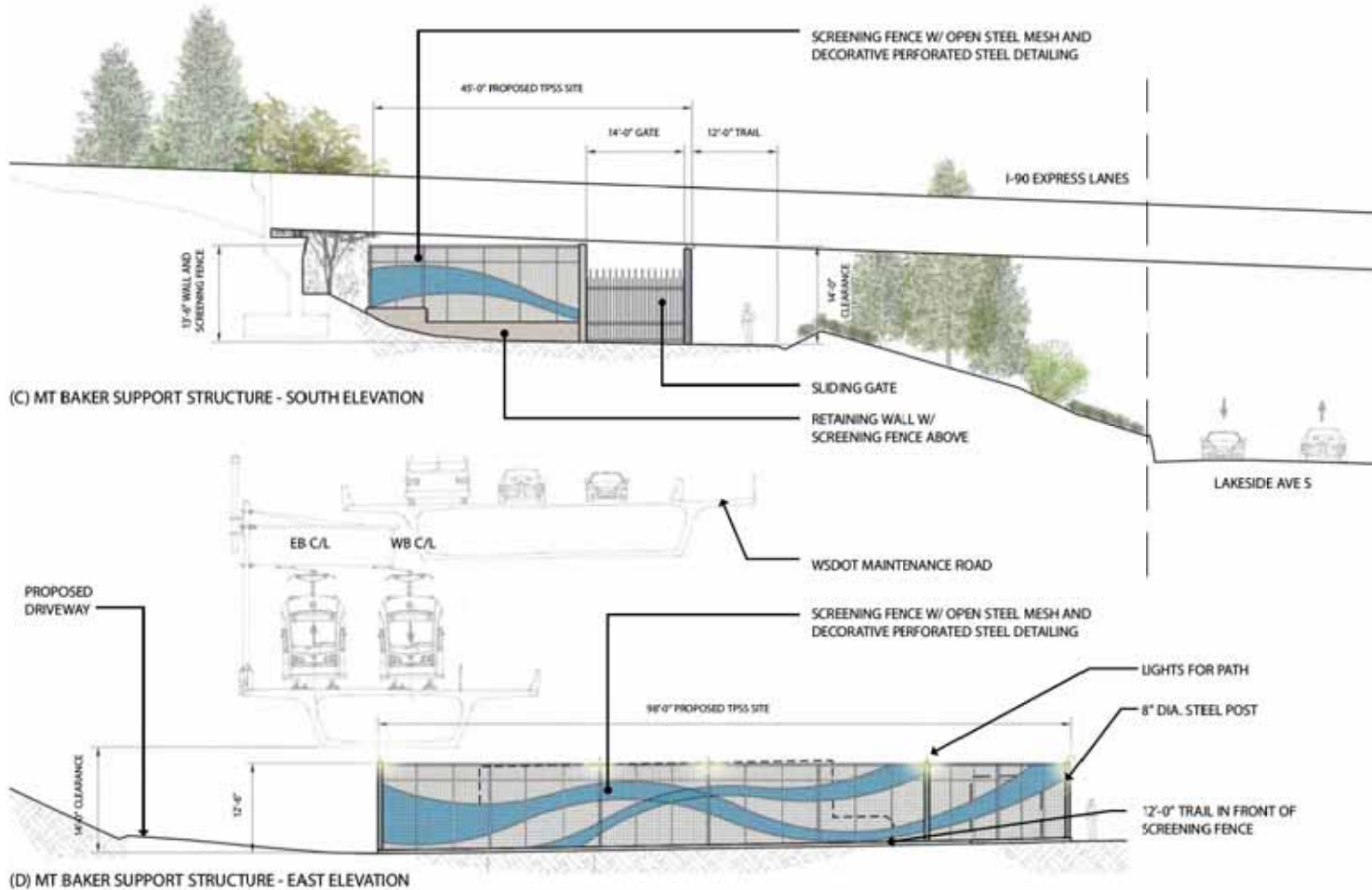
### TREES - EVERGREEN



### TREES - DECIDUOUS



MT BAKER SUPPORT STRUCTURE - PLAN



MT BAKER SUPPORT STRUCTURE - VIEW LOOKING NORTH



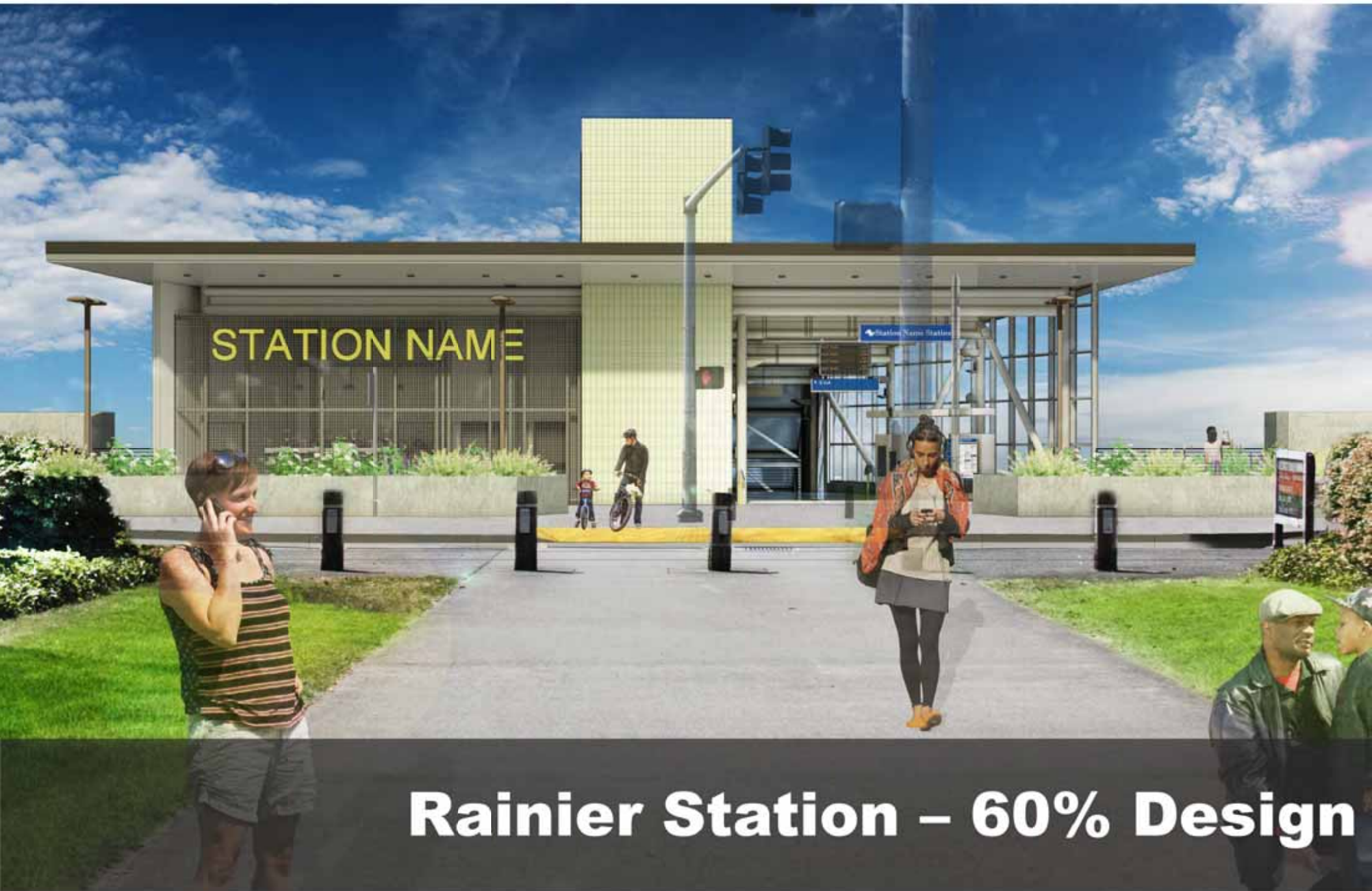
MT BAKER SUPPORT STRUCTURE - VIEW @ CORNER



MT BAKER SUPPORT STRUCTURE - VIEW LOOKING SOUTH



# Questions and Comments: Systems Structures



**Rainier Station – 60% Design**