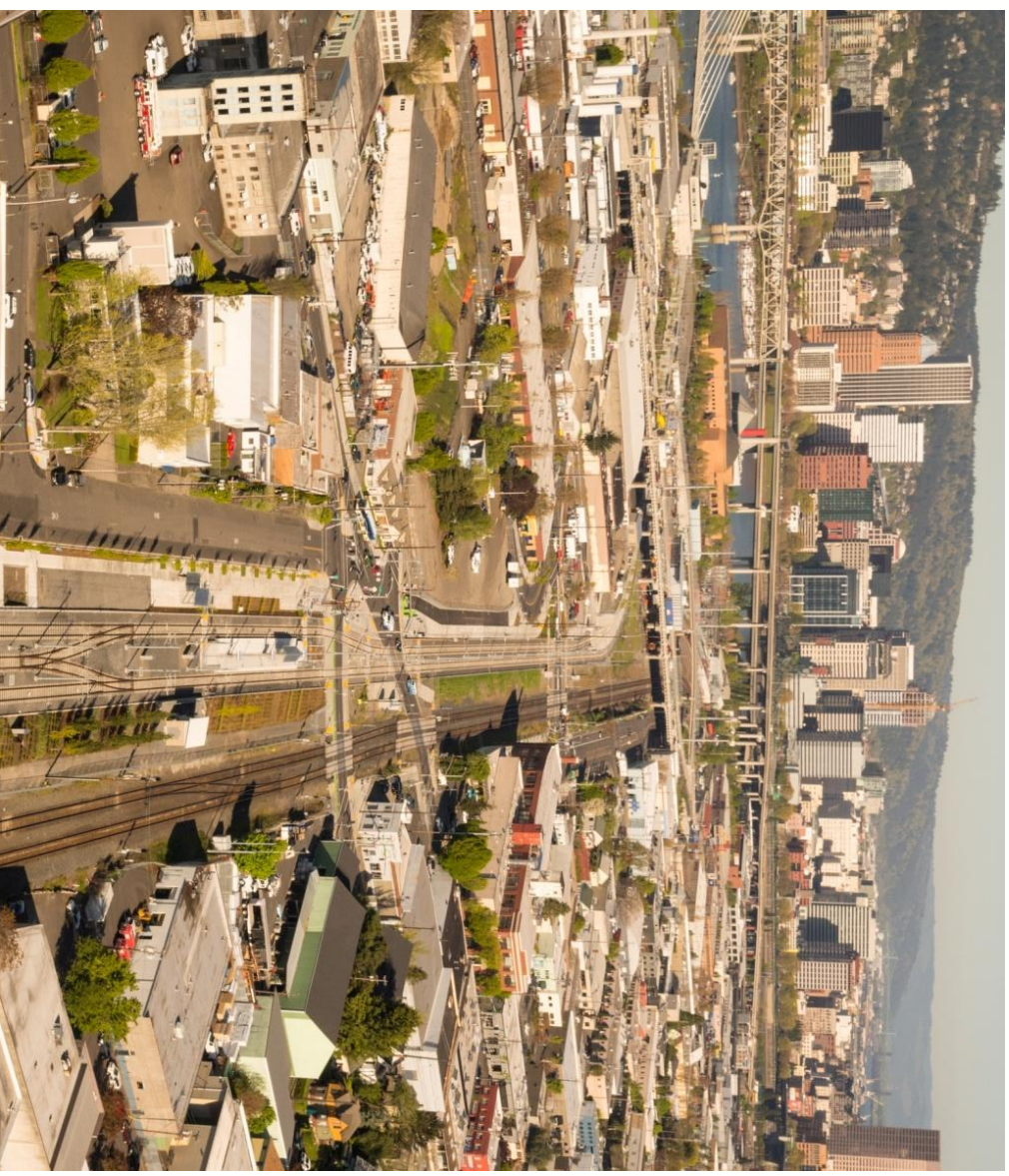
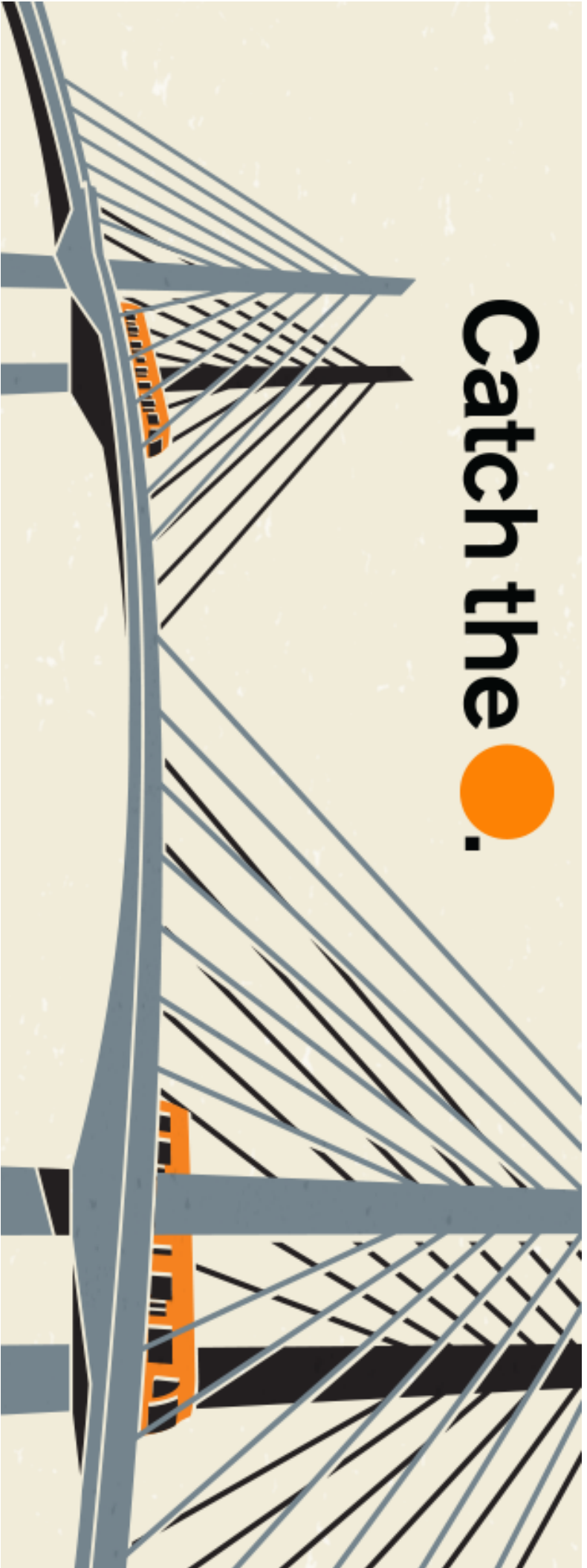


MAX Orange Line crossing safety improvements at SE 8th, 11th, and 12th avenues:

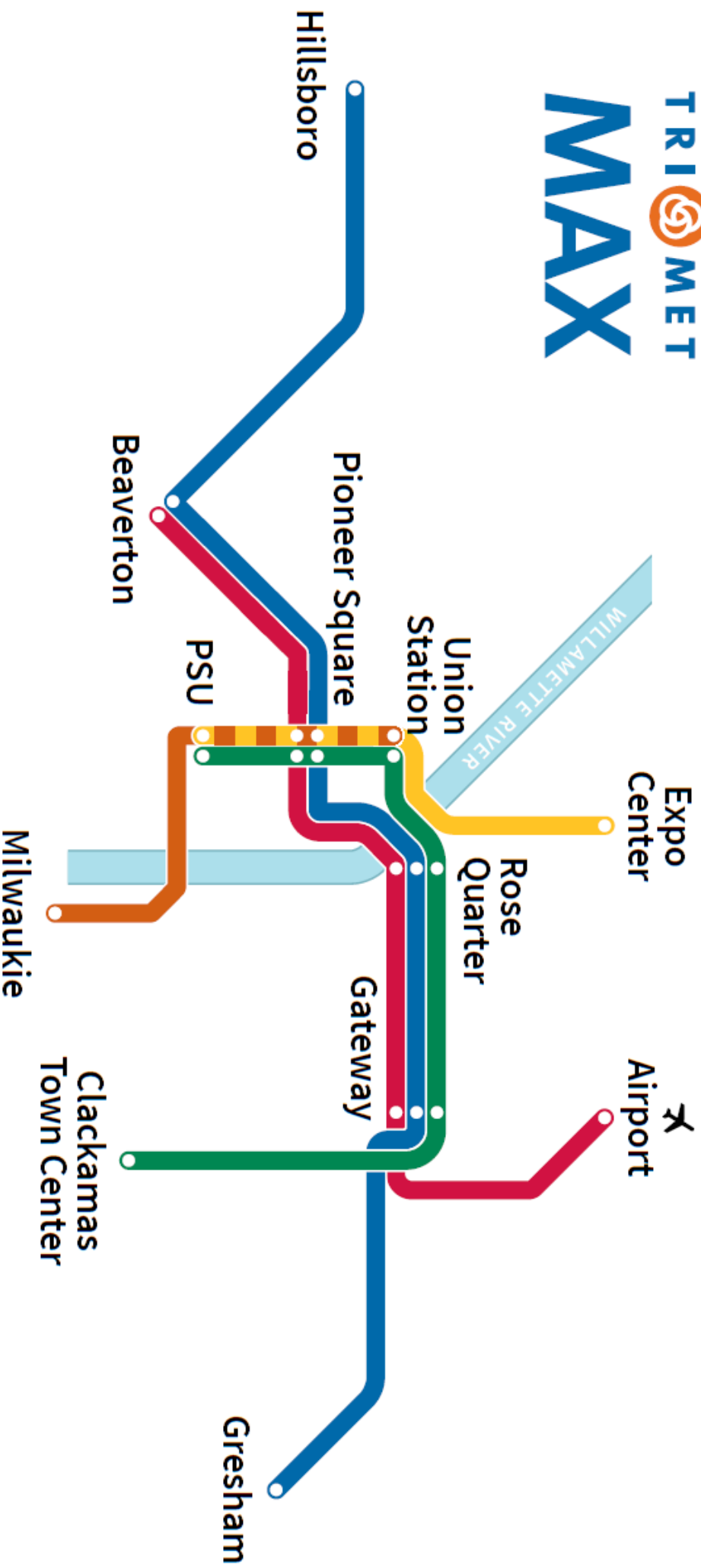
Train signal adjustments and swing gates



Catch the ●.

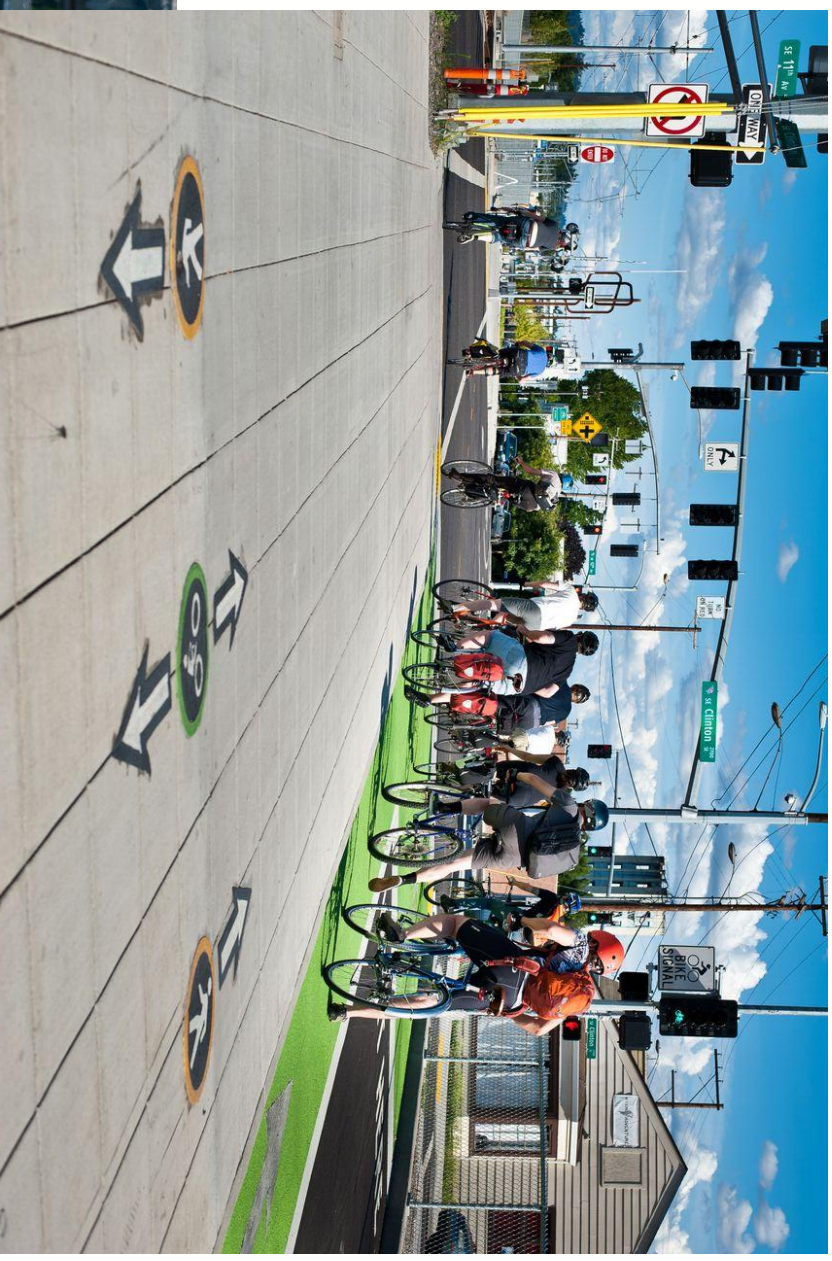


MAX ORANGE LINE OPENS SEPT. 12, 2015





New pathways in complex area



New pathways in complex area



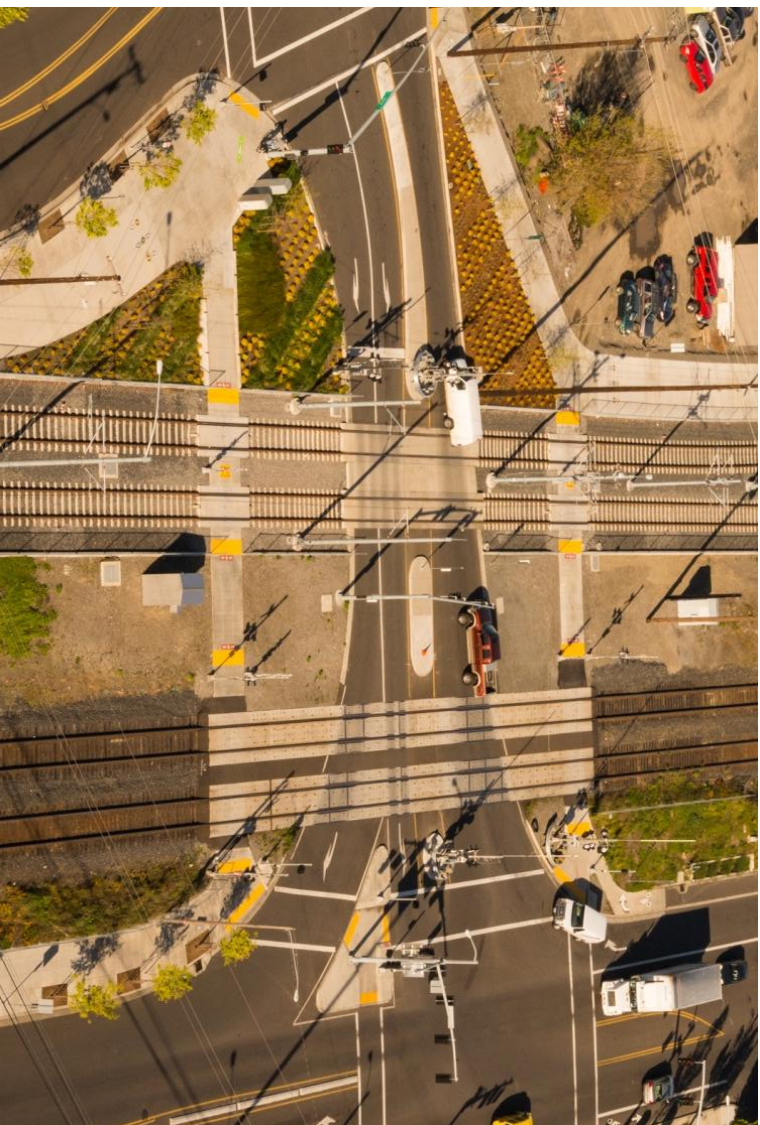
Safety starts with you.

Stay safe when driving, walking, biking and skating around MAX trains, crossings and TriMet buses.

Stop, look and listen before crossing tracks.

- **Cross tracks straight on.** Crossing tracks at an angle or turning across tracks is risky. When in doubt, walk your bike across the tracks.
- **Tracks can be slippery**—wet or dry.
- **Obey signs and signals at crossings.** Trains cannot stop quickly.
- **Watch out for the second train.** Wait after the first train passes until you can see clearly in both directions.





- **People disregard bells and flashing lights**
- **People enter crossing after first train passes while another may be approaching**

Safety concerns: crossing without stopping to look

- People climb through stopped freight train, onto active tracks







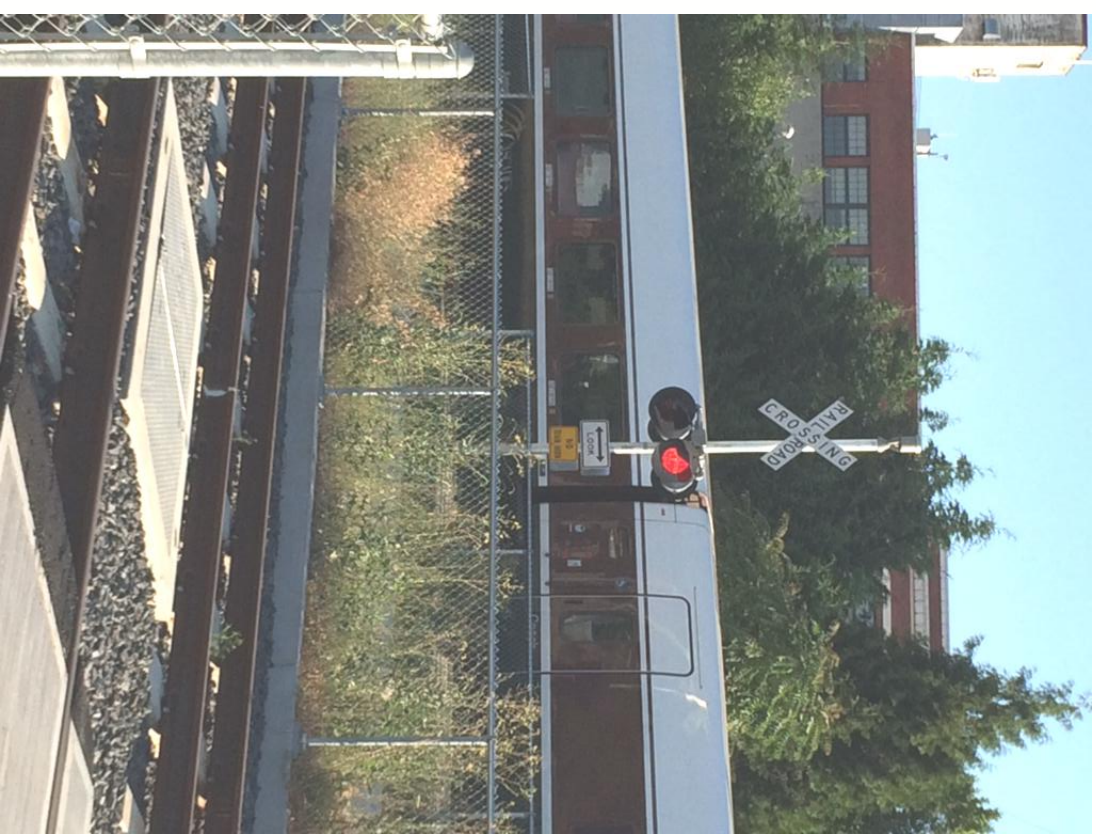


Signal adjustments planned improve predictability and encourage people to heed bells and flashing red lights:

- Decouple heavy rail and light rail pedestrian warning signals
- Adjust signals' advance warning time



SE Portland: SE 8th, 11th, 12th avenues



SE Portland: SE 8th, 11th, 12th avenues

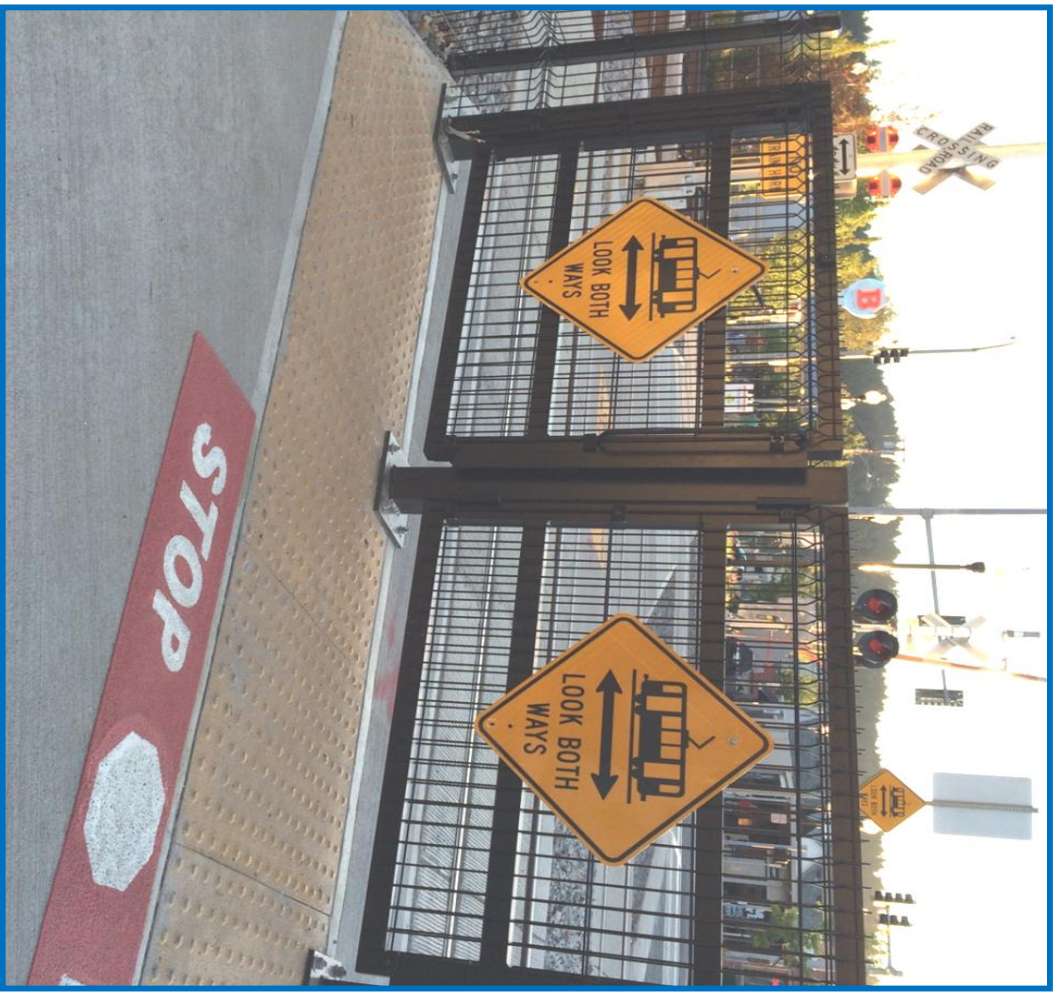
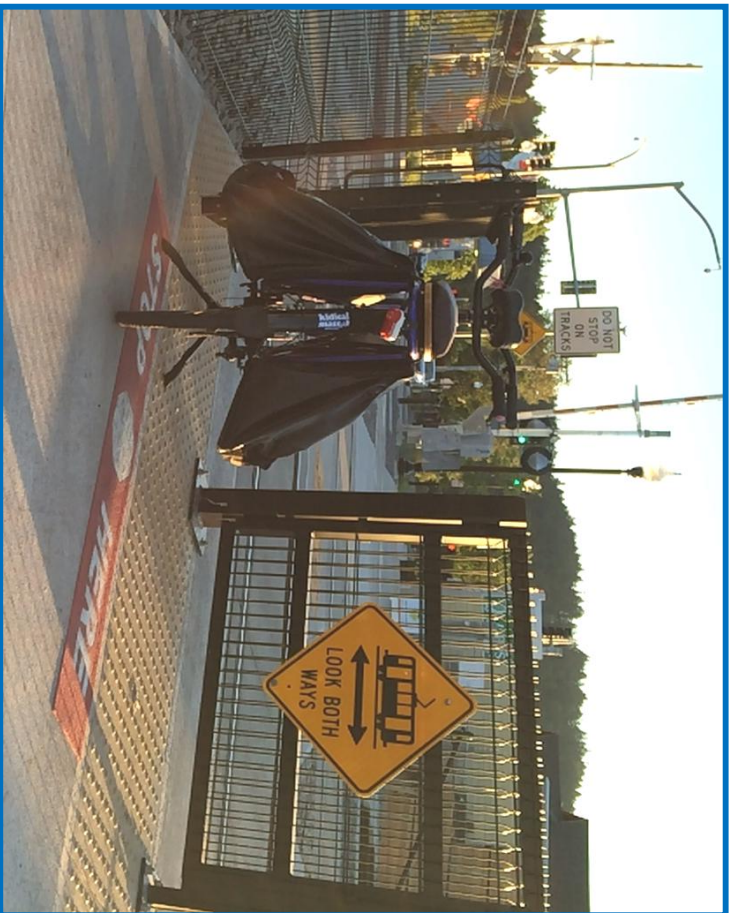
Swing gates planned to encourage people to stop and look both ways



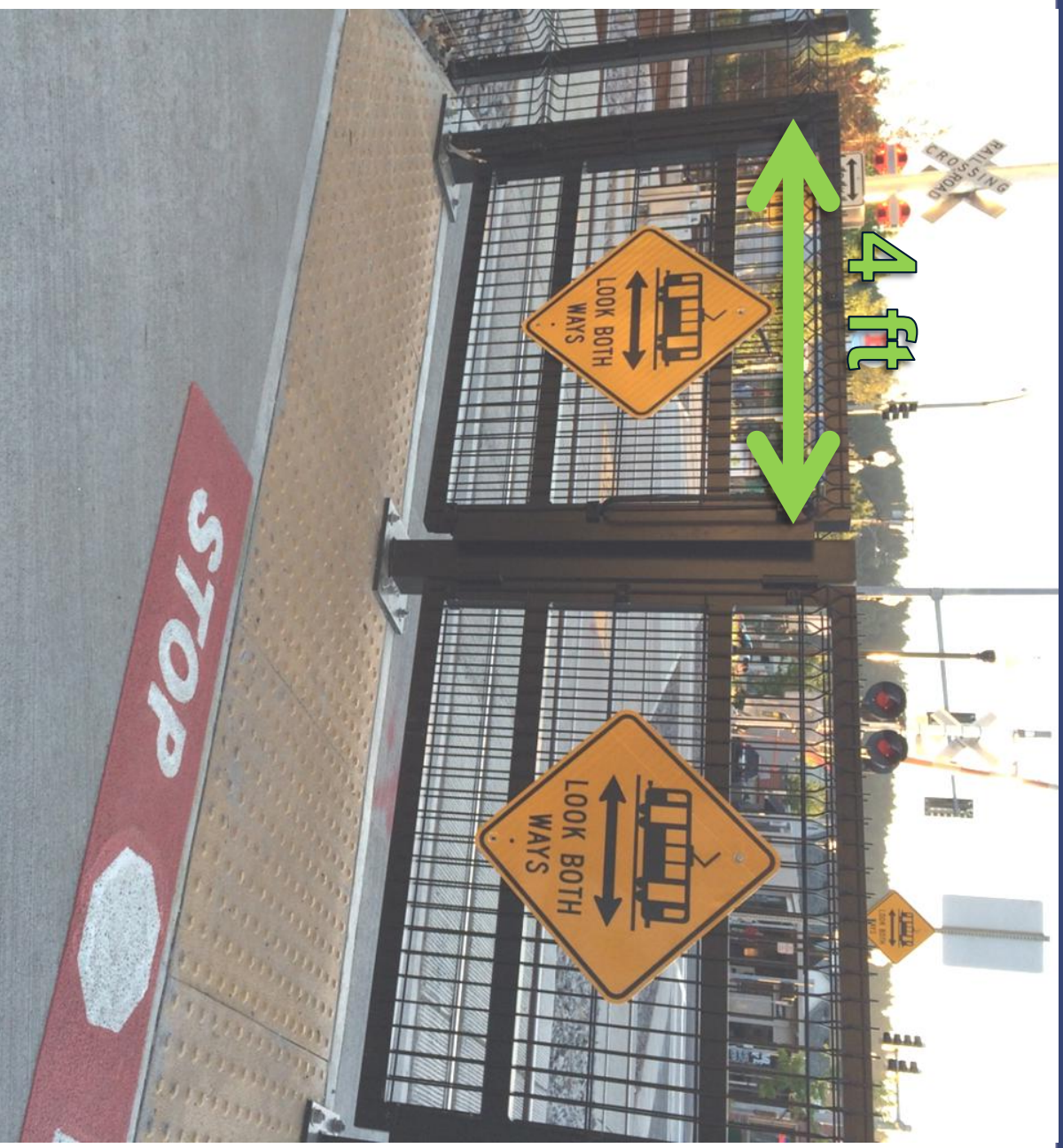
SE Portland: SE 8th, 11th avenues

Purpose:

- **Slow down people who are approaching the crossing**
- **Orient users toward track**



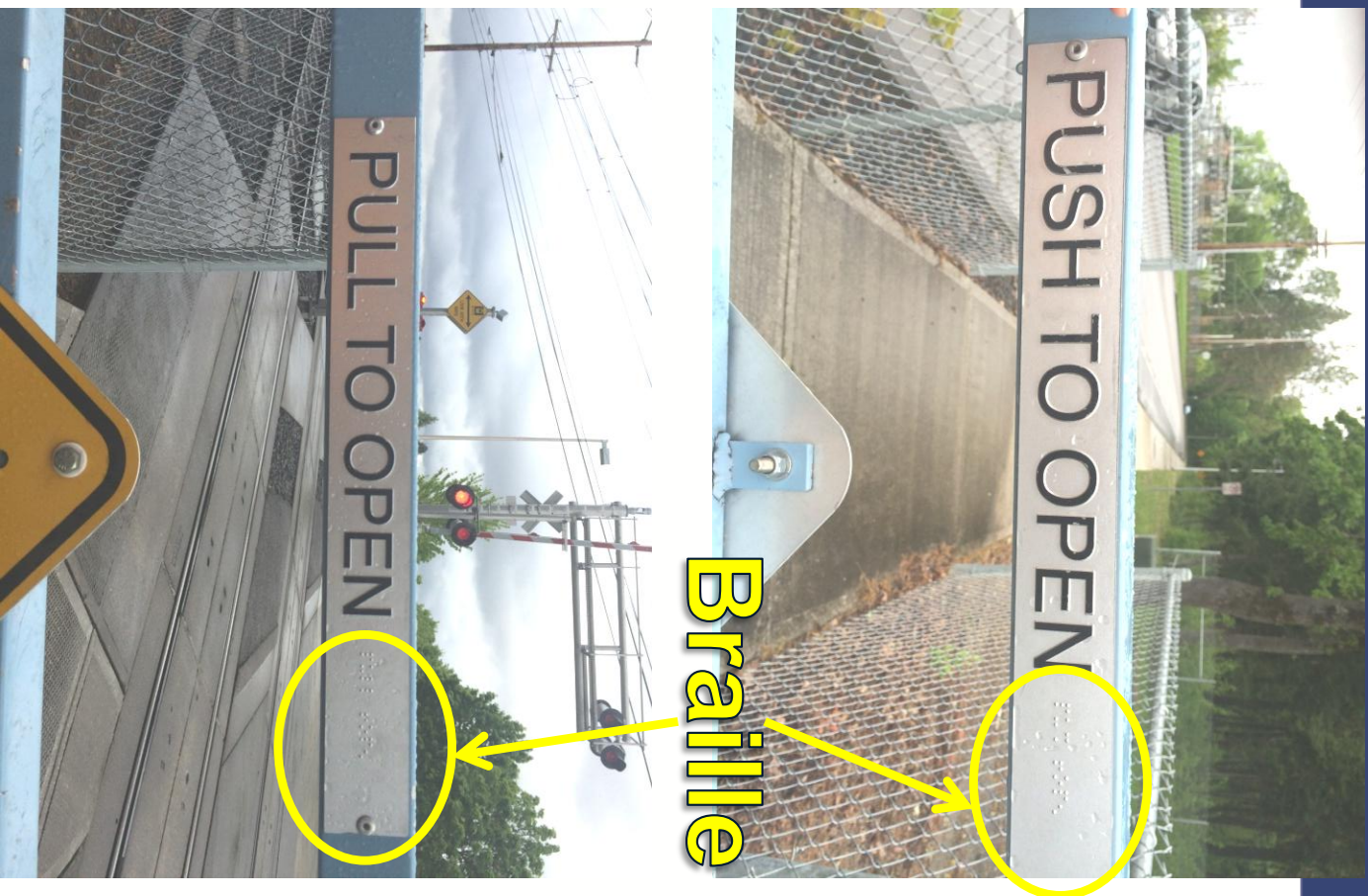
- Pull open to cross MAX trackway
- Push to exit MAX trackway quickly
- Lightweight
- Self-close after use



Swing gate design (example: SE Washington St in Milwaukie)



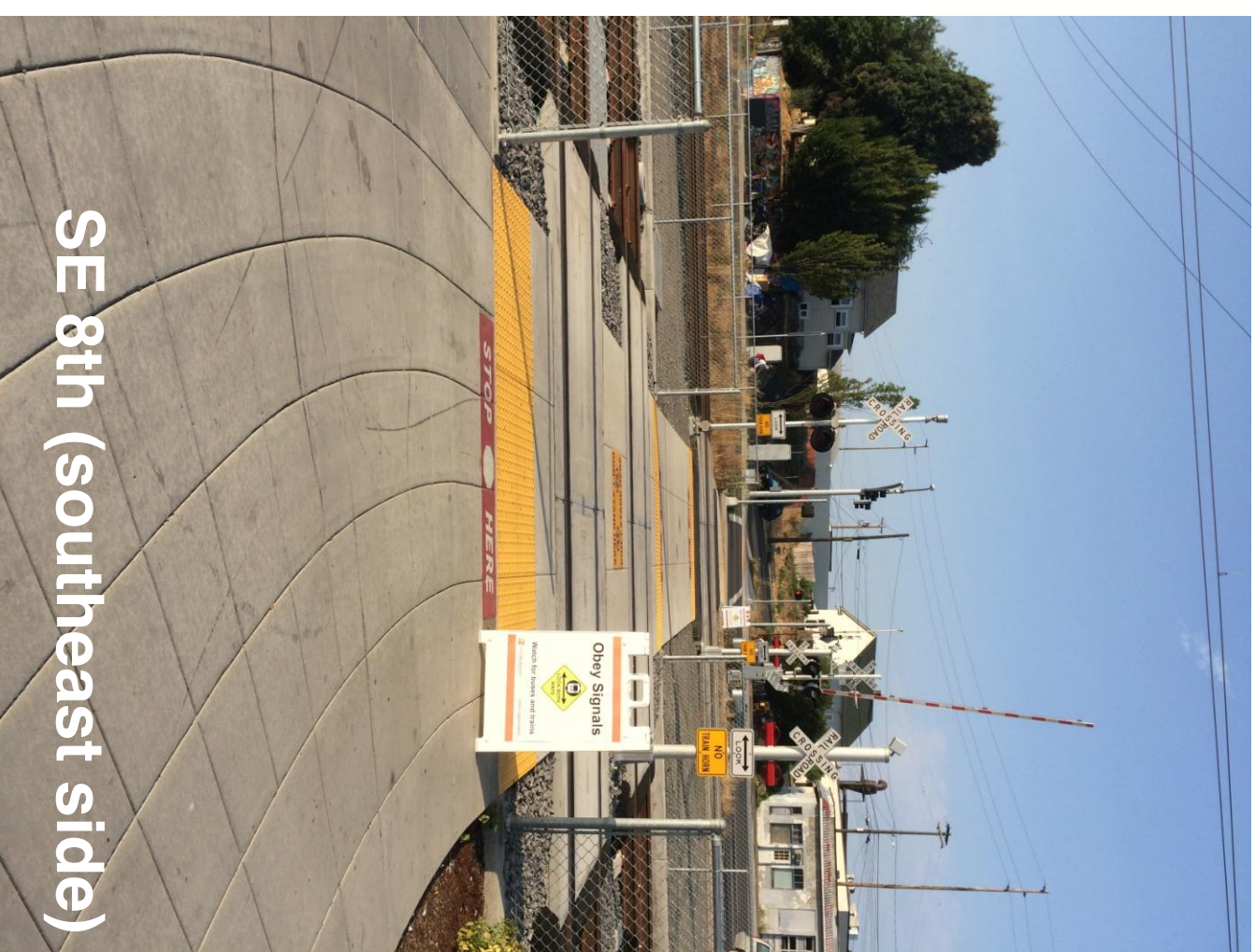
Swing gate design



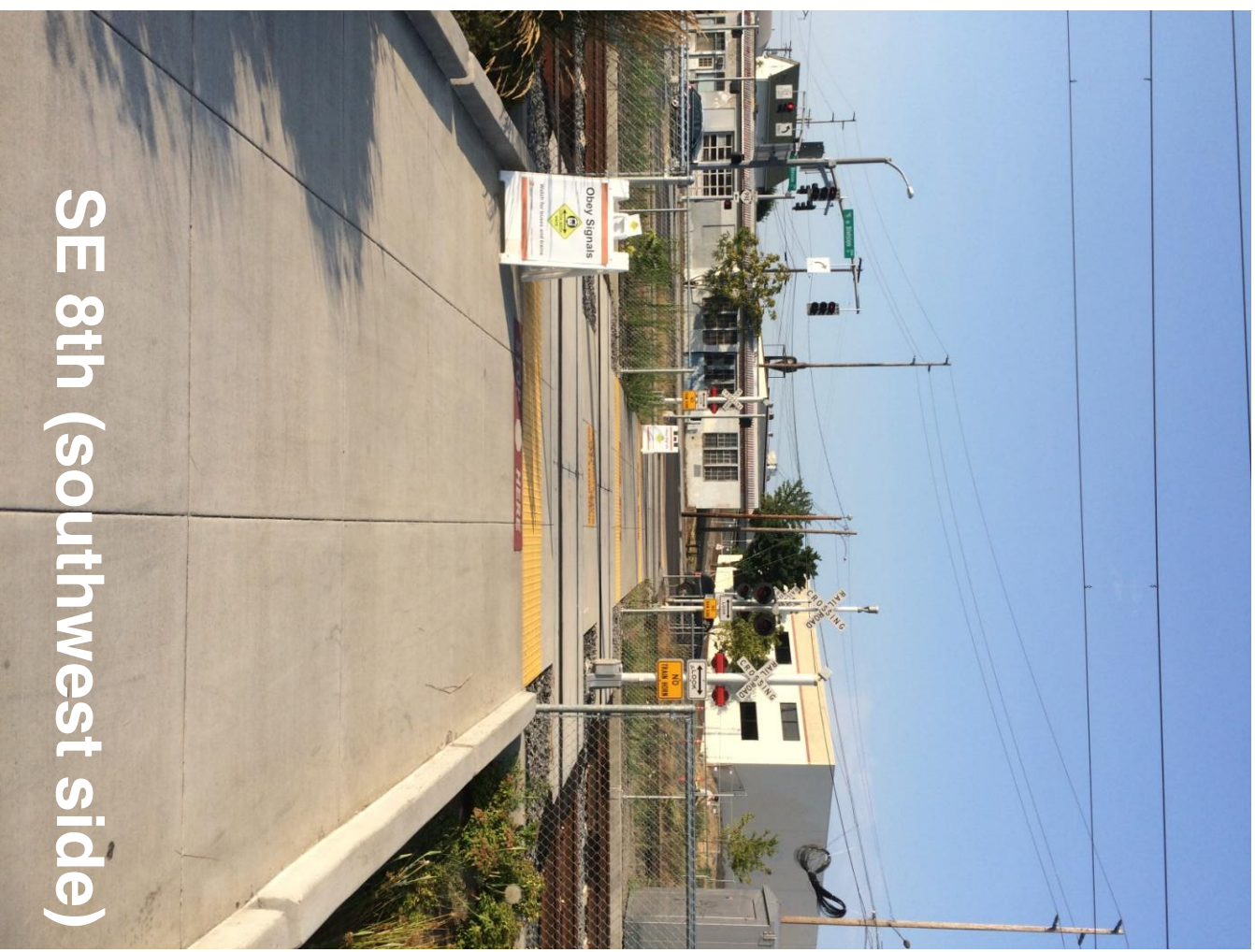
Braille

SE 8th Avenue





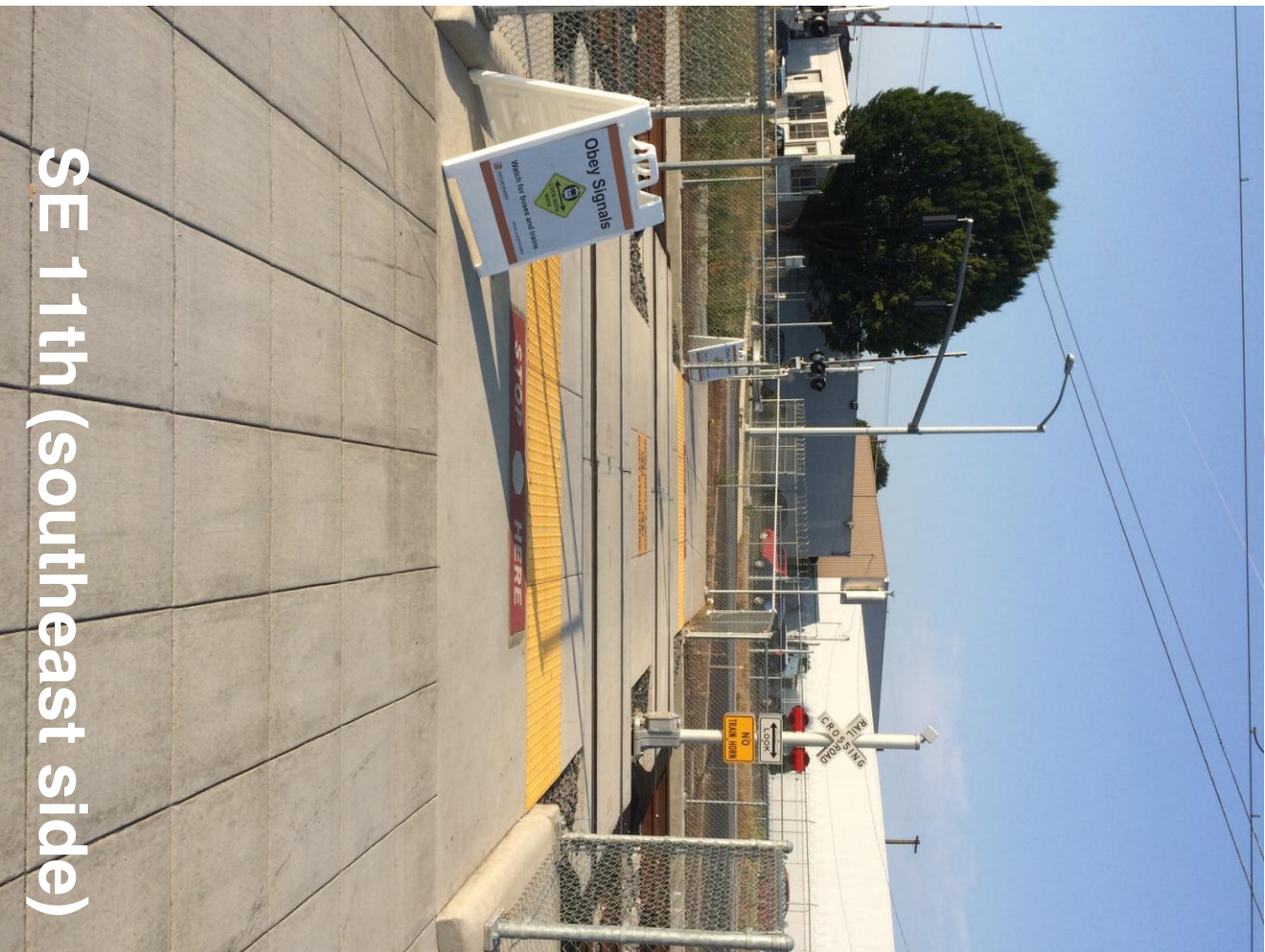
SE 8th (southeast side)



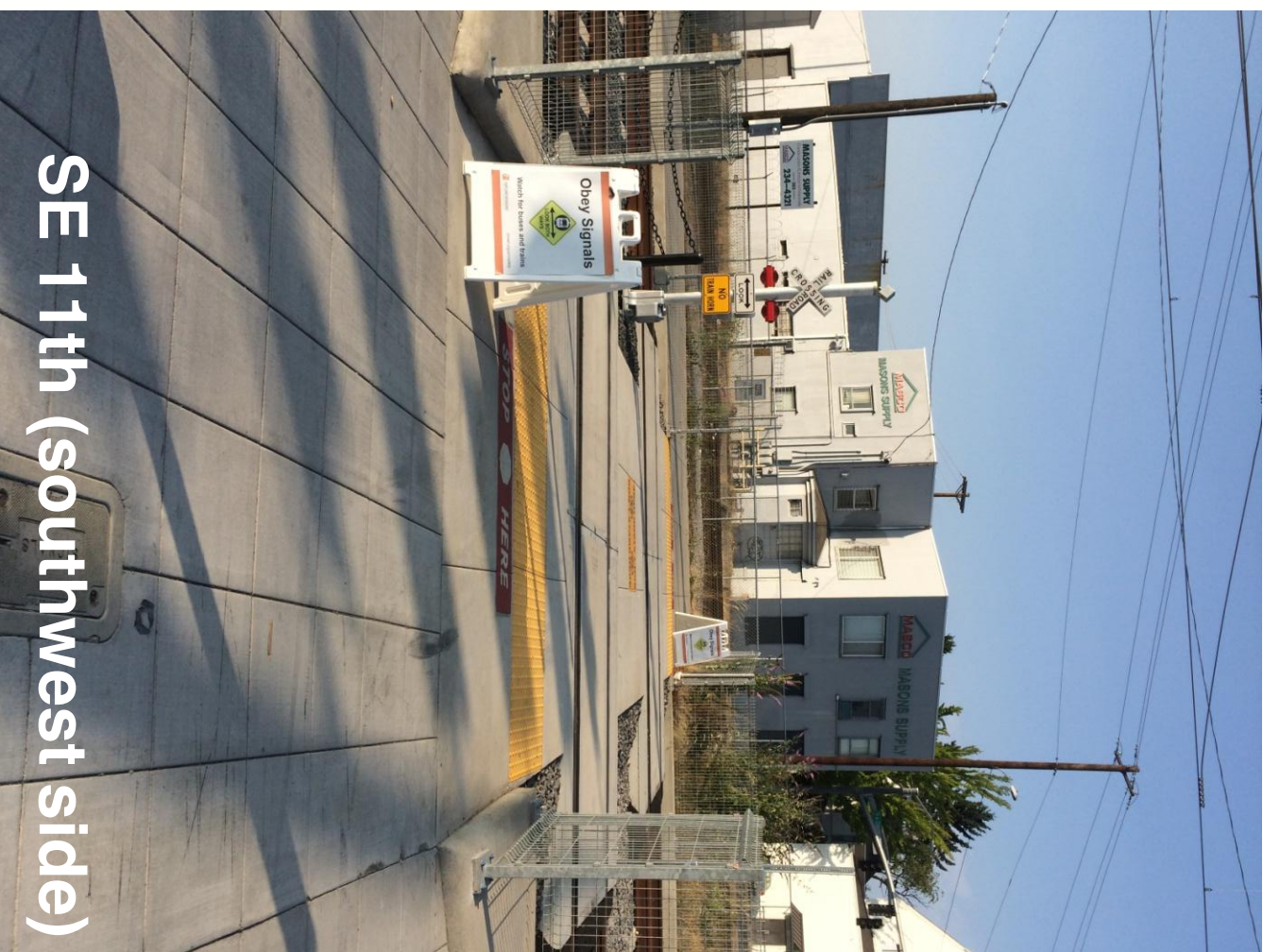
SE 8th (southwest side)

SE 11th Avenue





SE 11th (southeast side)



SE 11th (southwest side)

Next steps

- Continued monitoring
- Ongoing education and enforcement
- Late summer installation

