



# Talbot Avenue Bridge Design Meeting

Maryland Transit Administration  
Purple Line Project  
April 16, 2019



# Agenda

- Meeting Purpose
- Background
- Previous Design
- New Barrier Design Alternatives
- Next Steps



## Meeting Purpose

- The Talbot Avenue Bridge must adhere to specific requirements and regulations in terms of bridge design and construction, including the fence/barriers on the bridge.
- The purpose of today's meeting is to present the three barrier (fencing) options which have been approved for community input.
- All barrier designs presented have been vetted through:
  - PLTP/MDOT-MTA, County DOT, & CSXT
- Design of the bridge has been finalized except for the bridge barriers/fencing.



## Construction Timeline

- Community based Talbot Bridge Celebration May 5, 2019
- Full bridge closure scheduled on or about May 17, 2019
  - Girders are being saved and stored by the County
  - Demo to begin after full closure, with loudest construction occurring during summer break
- Construction anticipated to take approximately 12 months
- New bridge anticipated opening for use in Spring of 2020



## Background - What is OCS?



- Overhead Contact System (OCS)
  - Power from traction power substation (TPSS) is fed to the OCS
  - OCS provides power to light rail vehicles



## Bridge Design Requirements

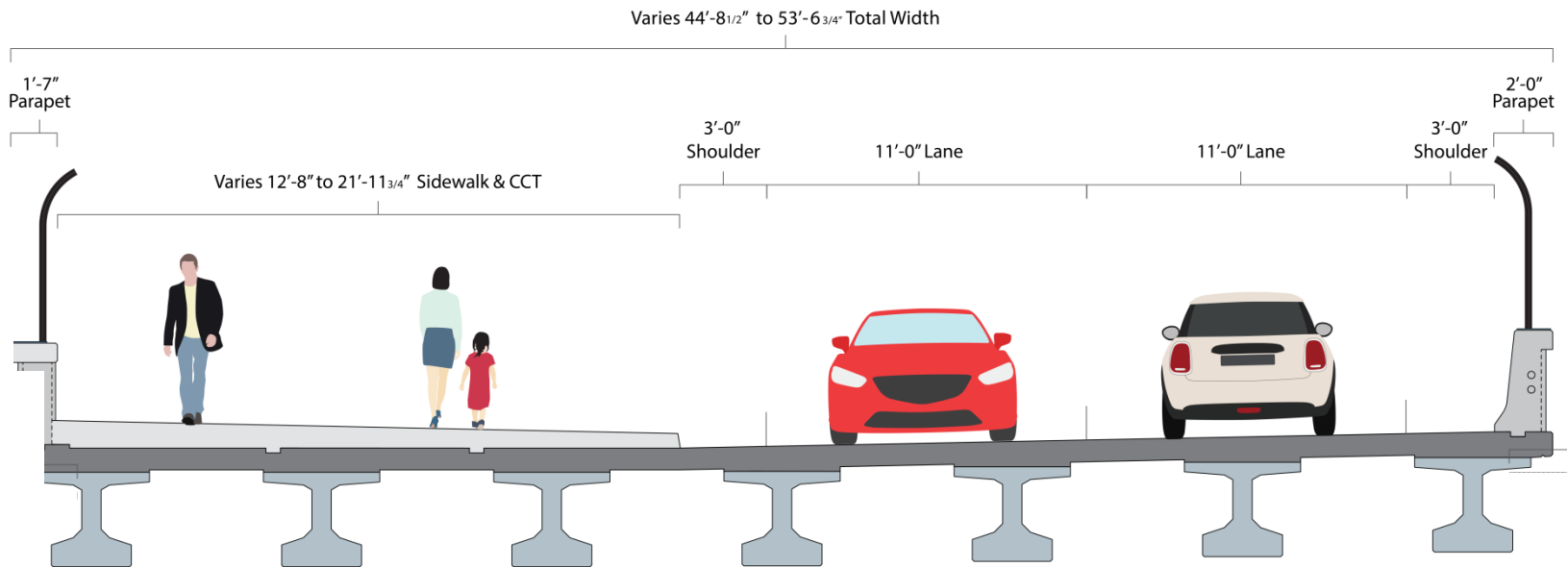


Standards for design in compliance with:

- National Electric Code
- Occupational Safety & Health Admin.
- CSX Transportation
- Montgomery County DOT



# Talbot Ave. Bridge Cross Section



*\*View on Talbot Ave. Bridge looking toward Woodside\**



## Bridge Design: Safer & More Accessible

- Existing Bridge
  - 18 feet wide
  - Single lane of traffic
  - No dedicated pedestrian walkway
  - No longer safe for vehicular traffic
- New Bridge
  - 45 – 55 feet wide
  - Two lanes of traffic
  - Provides sidewalk as part of the CCT ranging from 13 – 22 feet wide
  - Meets current design standards and requirements for bridge construction



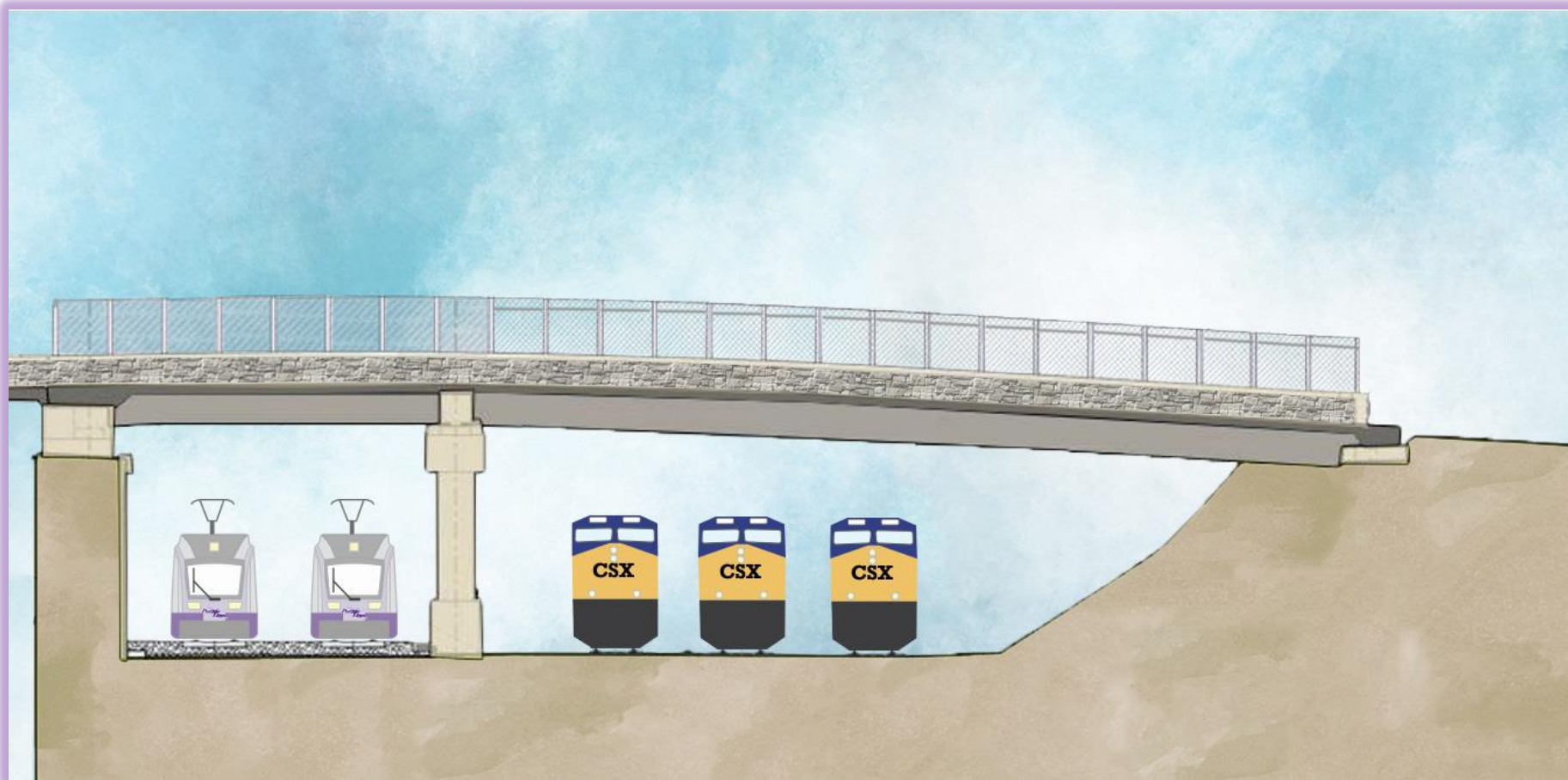


# Design Presented August 2018





# Barrier Design Option 1





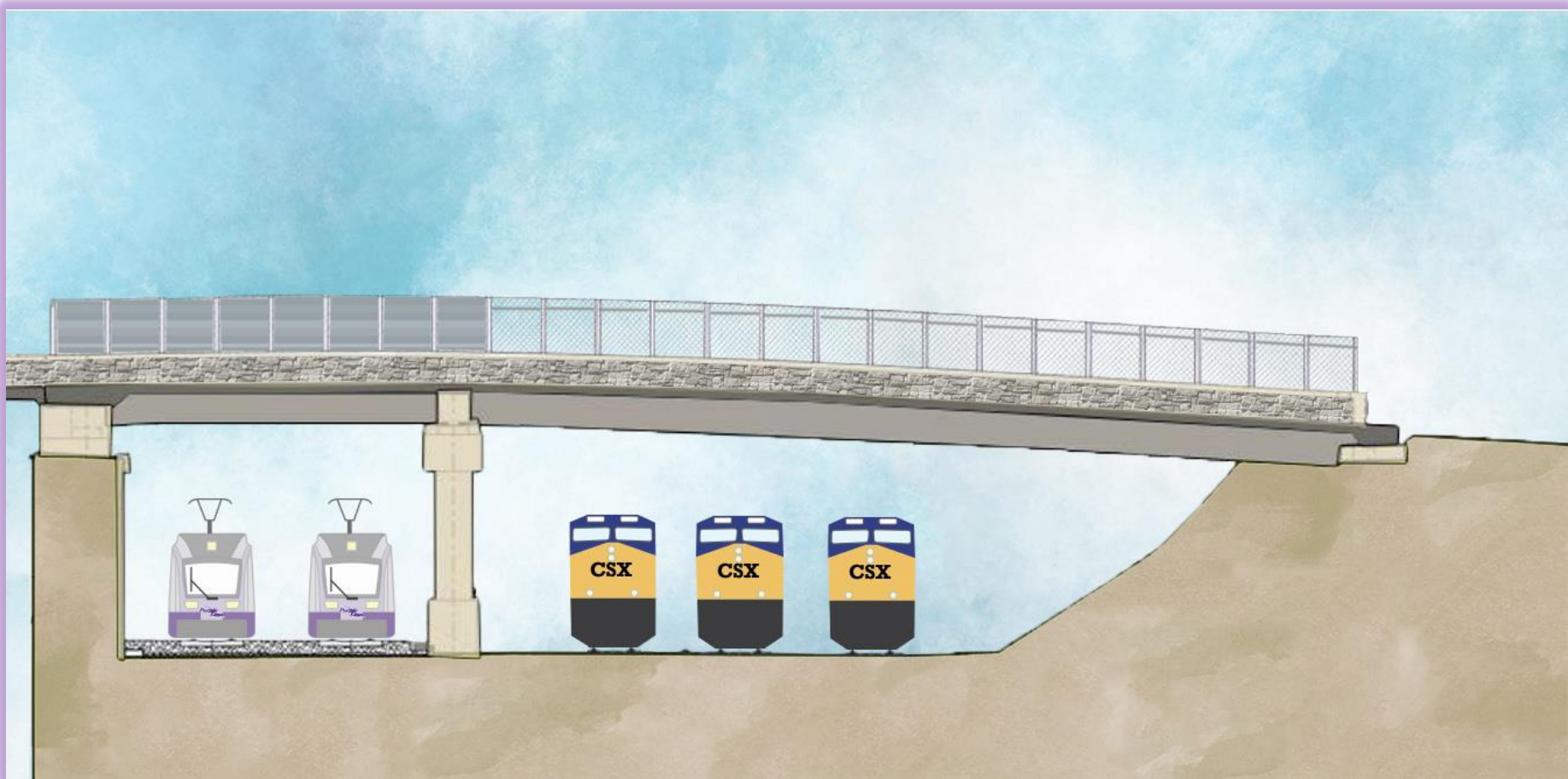
## Barrier Design Option 1 Details

- Clear barrier over Purple Line tracks
- Chain link fencing over CSX tracks





## Barrier Design Option 2





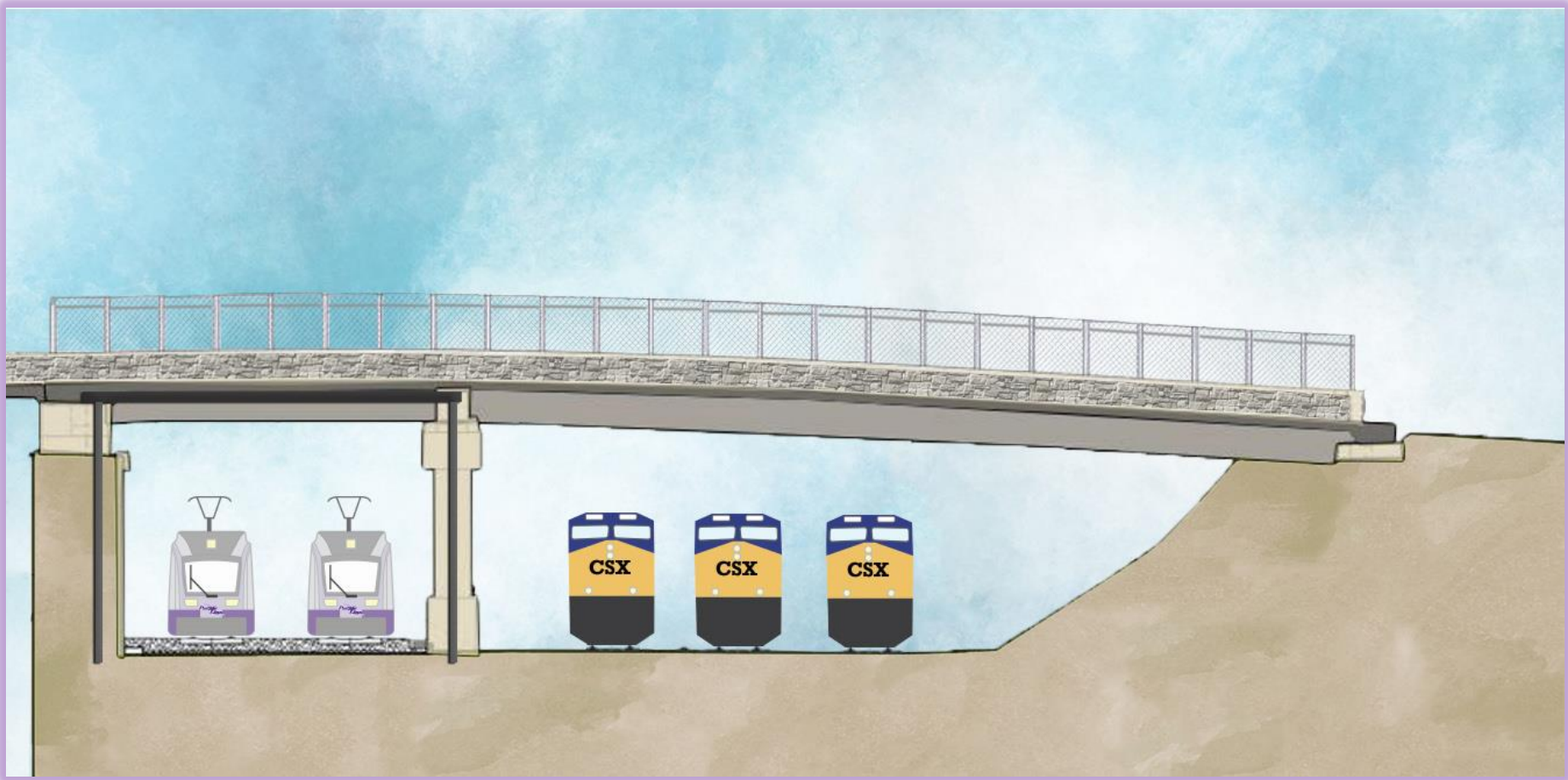
## Barrier Design Option 2 Details

- Solid barrier over Purple Line tracks
- Chain link fencing over CSX tracks



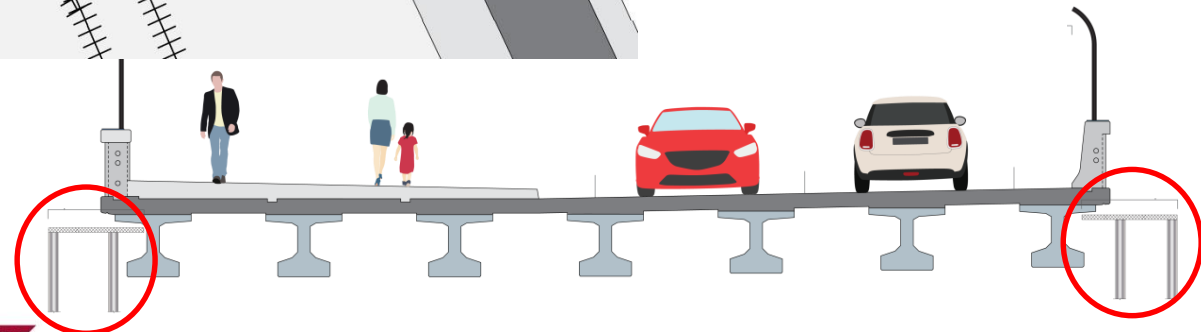
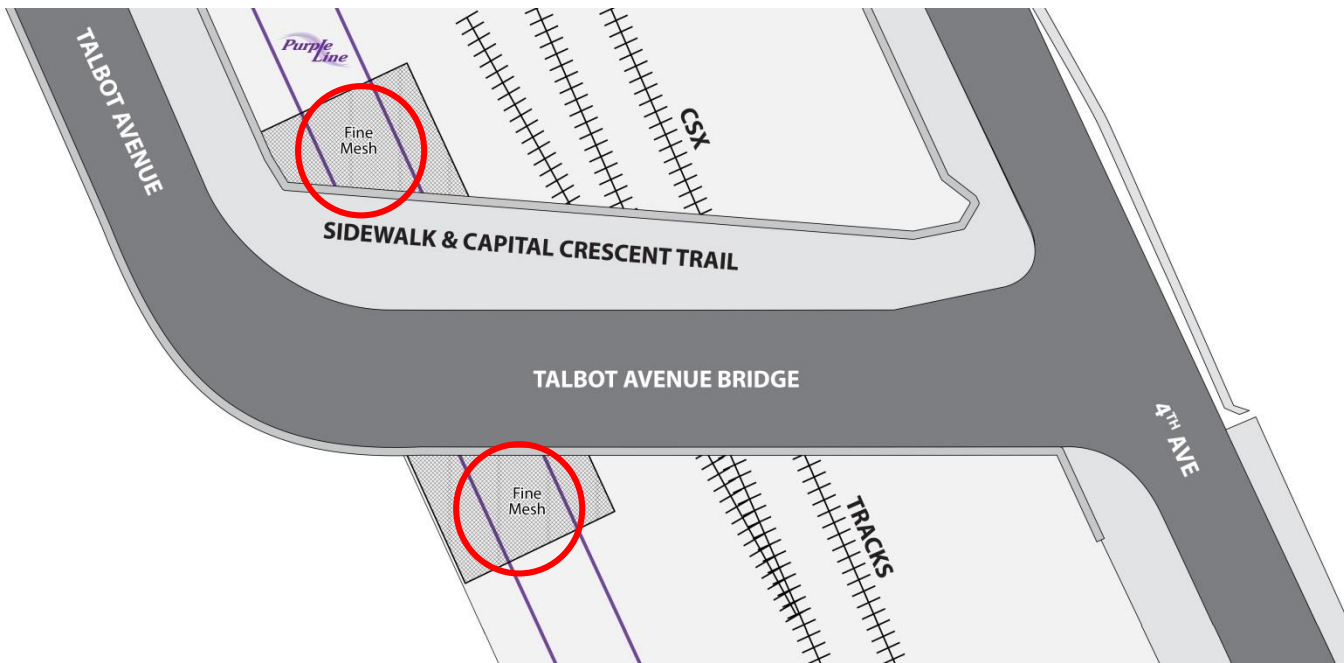


# Barrier Design Option 3





# Barrier Design Option 3 Details





# Questions?







# Review of Barrier Design Alternatives

- **Option 1**
  - Clear barrier over Purple Line
  - Chain link fencing over CSX tracks
- **Option 2**
  - Solid barrier over Purple Line
  - Chain link fencing over CSX tracks
- **Option 3**
  - Horizontal barrier over Purple Line
  - Chain link fencing across entire bridge





## General Questions?

Please email: [outreach@purplelinemd.com](mailto:outreach@purplelinemd.com)

## Construction Questions?

Please email: [outreach@pltcllc.com](mailto:outreach@pltcllc.com)

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