



Montgomery County Department of Transportation

Transportation

Marinelli Road Separated Bike Lanes From Nebel Street to Rockville Pike (MD355)





Overview

- Project overview:
 - Definition of a Separated Bike Lane
 - Scope of the Project
 - Design Elements
 - Design Concept
 - Cross sections
 - Schedule



What is a separated bike lane & what are its benefits?



Separated Bike Lane:

An exclusive space for bicyclists along or within a roadway that is physically separated from motor vehicles and pedestrians by vertical design elements.

Types of vertical separation:

- Flex Posts
- Parking stops
- Raised concrete median
- Planters
- Parked cars

Benefits include:

- Provides physical protection and greater shy distance between motorists and bicyclists with a 3' striped buffer and vertical separation.
- Reduces the risk of "dooring".
- Provides space for bicyclists to pass another bicyclist without encroaching into the adjacent motor vehicle travel lane.
- Appeals to a wider cross-section of bicycle users by providing an increase in level of comfort for cyclists of all ages and abilities.

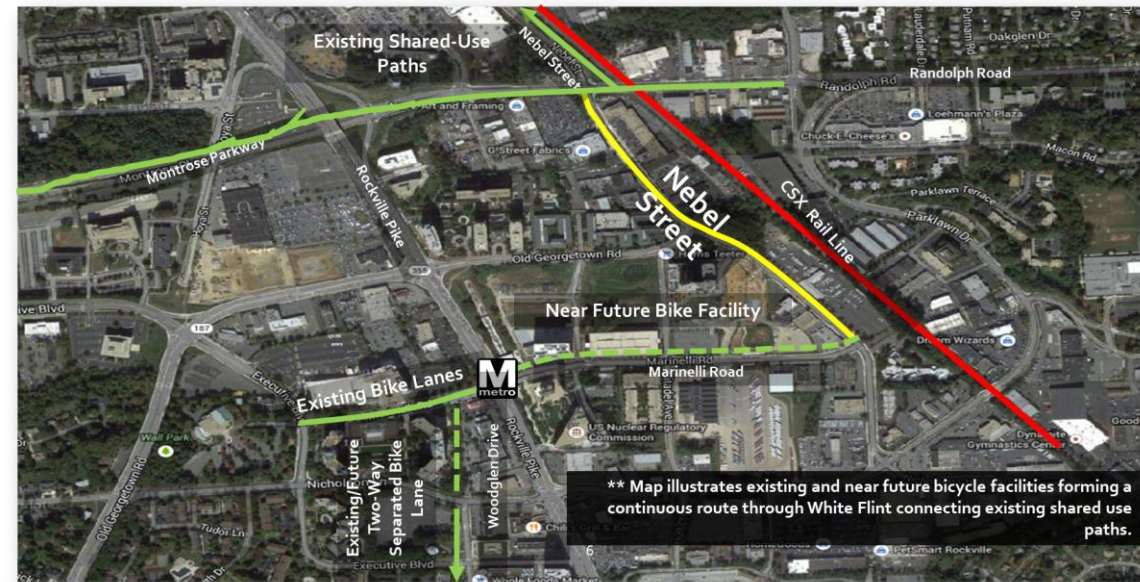
Project Scope & Objective

Project Scope

- To provide one way 5 ft to 6 ft wide separated bike lanes along Marinelli Road from Nebel Street to Rockville Pike (MD 355).
- To add approximately .4 of a mile of separated bike lanes to the existing separated bike lane network in White Flint (Woodglen completed in 2014 and Nebel St. completed in 2016).

Project Objective

- To meet the Montgomery County Bicycle Master Plan and the WF Sector Plan Objectives to increase bicycling by creating a low stress bicycling environment.
- To enhance the connectivity of the bikeway network to the White Flint Metro, proposed Woodglen Drive extended, Nebel Street Separated Bike Lanes and Wall Park.





Design Elements

1. Installation of a 5 to 6 ft. wide Separated Bike Lanes
 - 2 to 3 ft. buffer area in both directions
 - Vertical separation either flexposts or raised concrete median

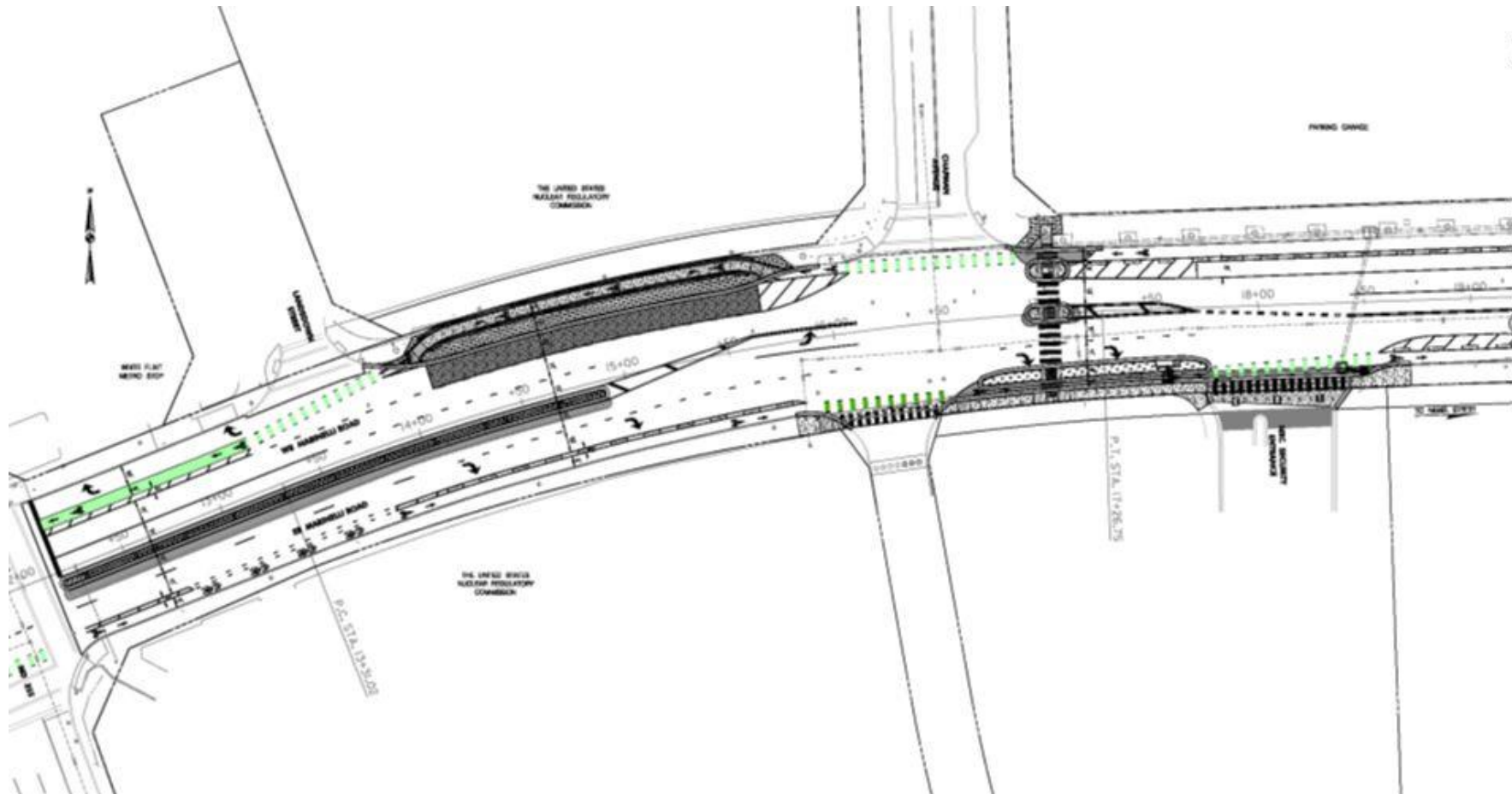


2. Resurfacing to include new pavement markings, including green pavement
3. Minor Geometric Improvements Include:
 - New Bus Island Platform at NRC Building
 - Proposed median separation at the NRC Security Entrance
 - Revised median along Marinelli just east of MD 355
 - Protected Intersection design at Citadel Avenue



Overall Design Concept Plan

Segment from Rockville Pike (MD355) to NRC Driveway

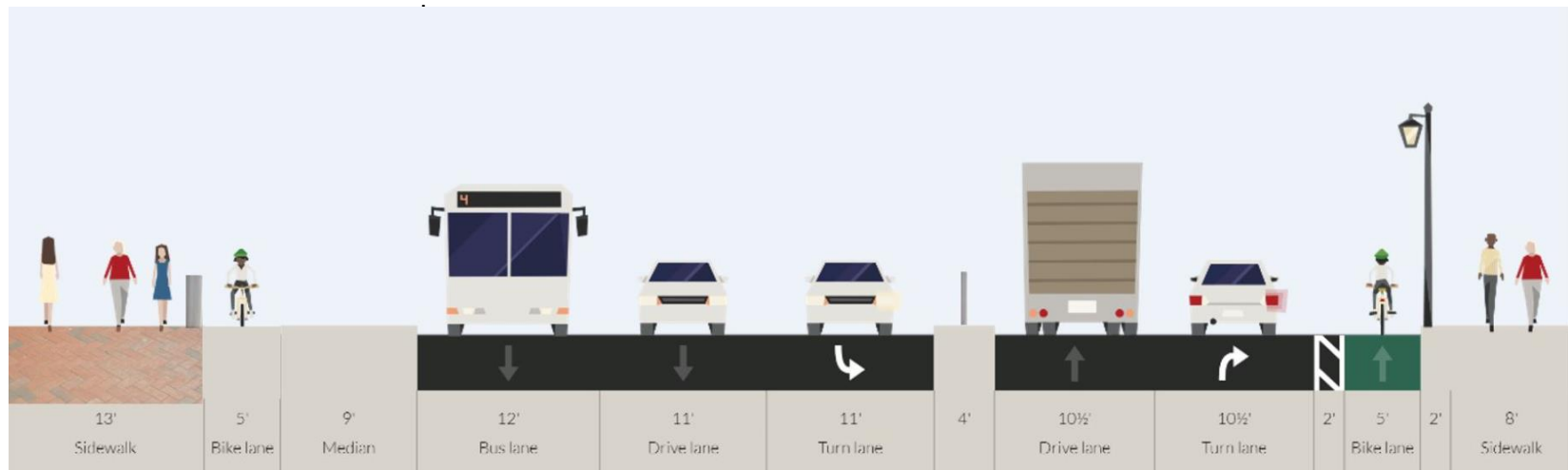




Cross Sections



NRC Bus Island Platform – Typical Section



Proposed – Typical Section

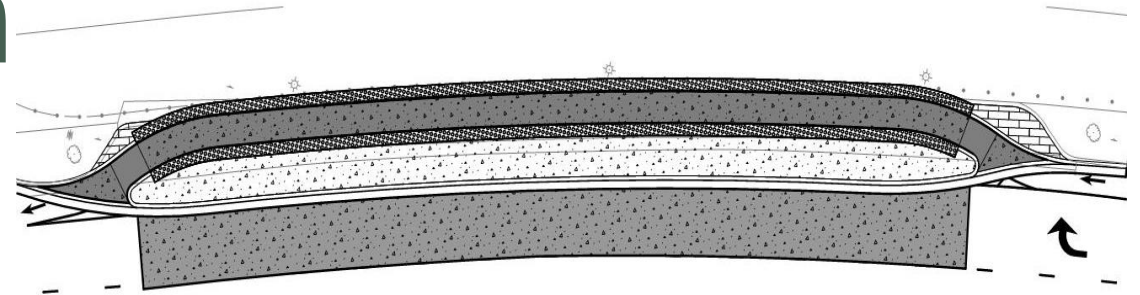
Bus Island Platform

Proposed bike lane will be flush with sidewalk

- Existing Conditions

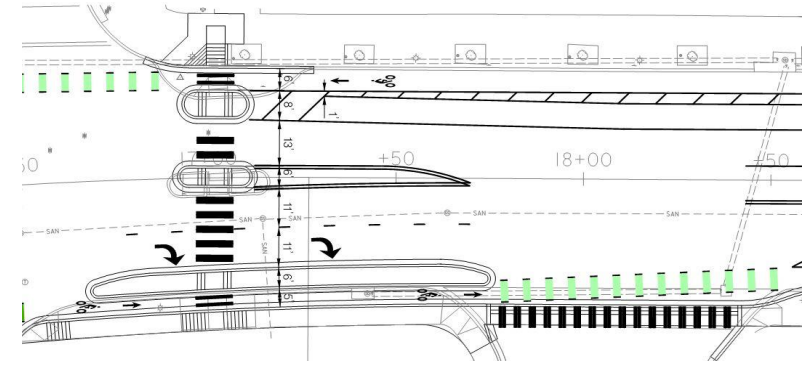


- Proposed Conditions





NRC Security Entrance



Existing – Typical Section



Proposed – Typical Section

NRC Security Entrance

- Existing Conditions



- Proposed Conditions

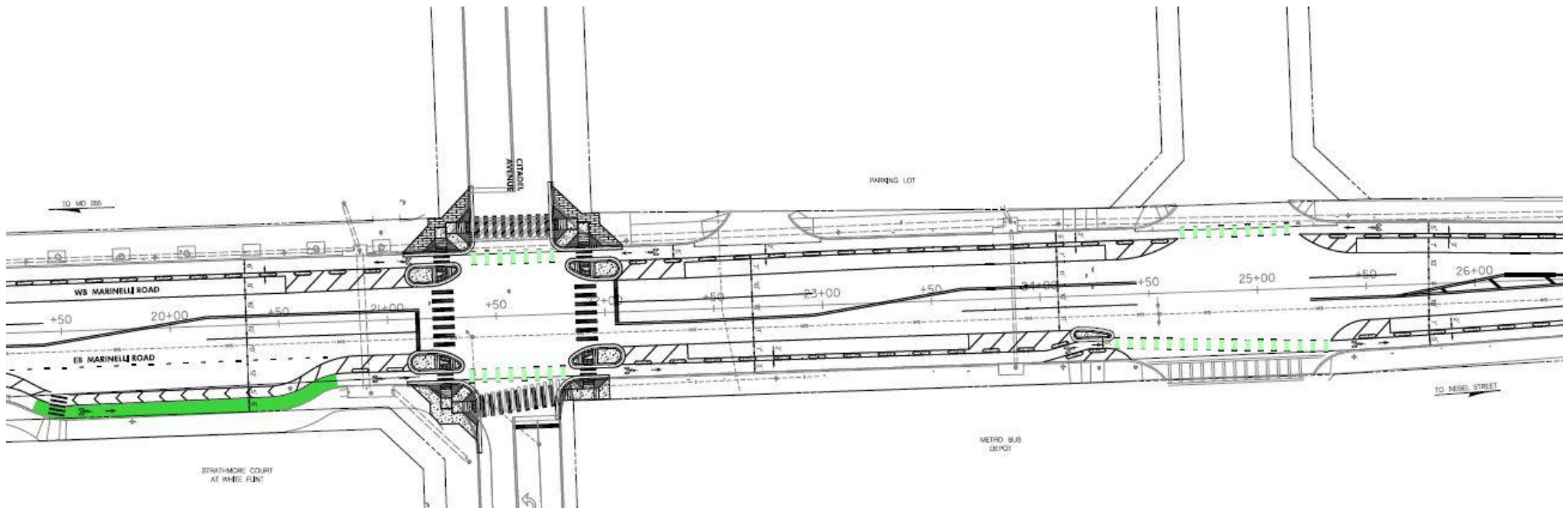




Overall Design Concept Plan - Continued

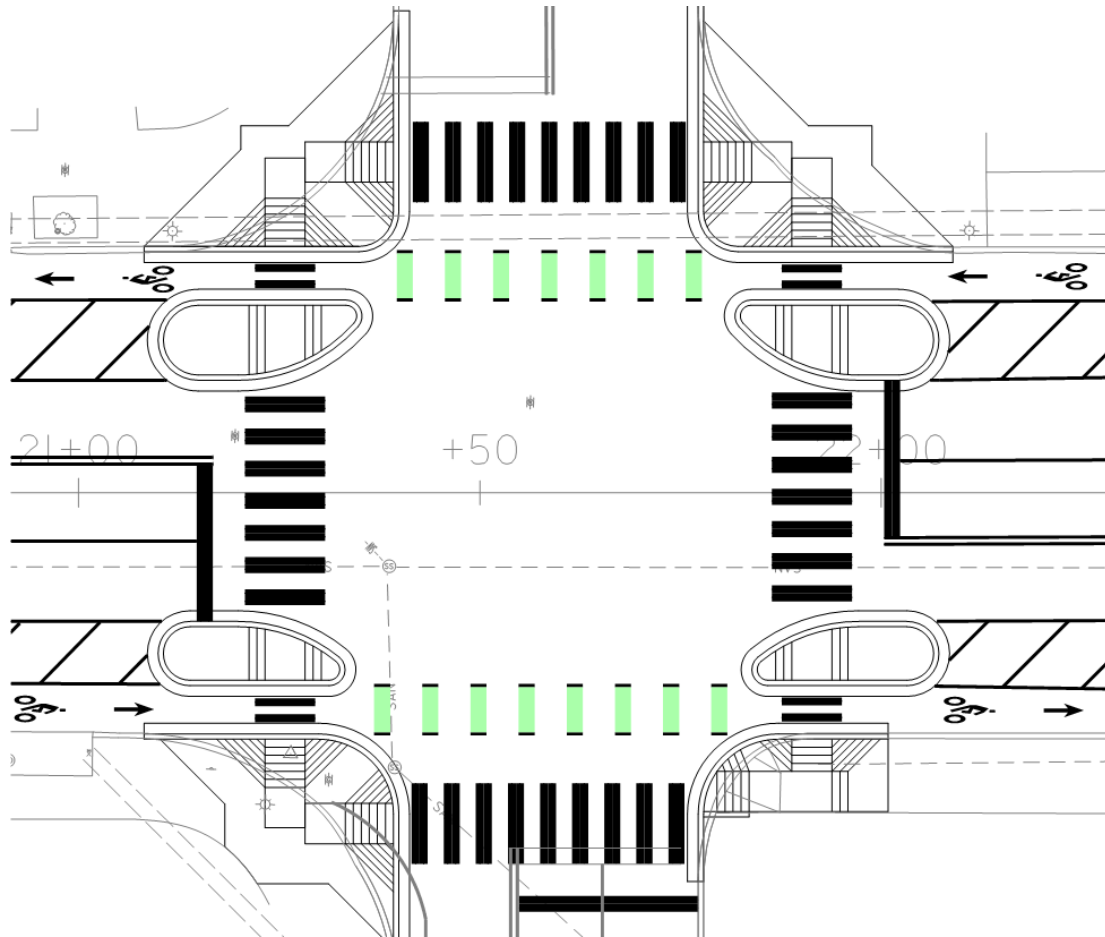
Segment from NRC Driveway to East of Citadel Avenue –st. 19+50

- Provides drop off area for Strathmore Mews
- Provides for a Protected Intersection
- Provides for “bend in” and a Protected Corner island at WMATA Bus Depot Driveway



Marinelli Road at Citadel Avenue

Marinelli Road at Citadel Ave – Protected Intersection



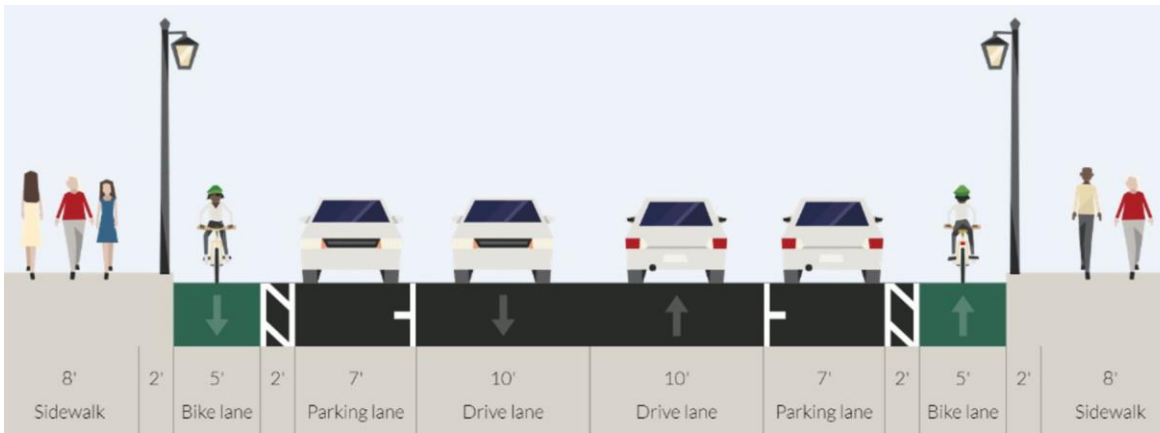


Overall Design Concept Plan - Continued

East of Citadel Avenue – typical section



Existing – Typical Section

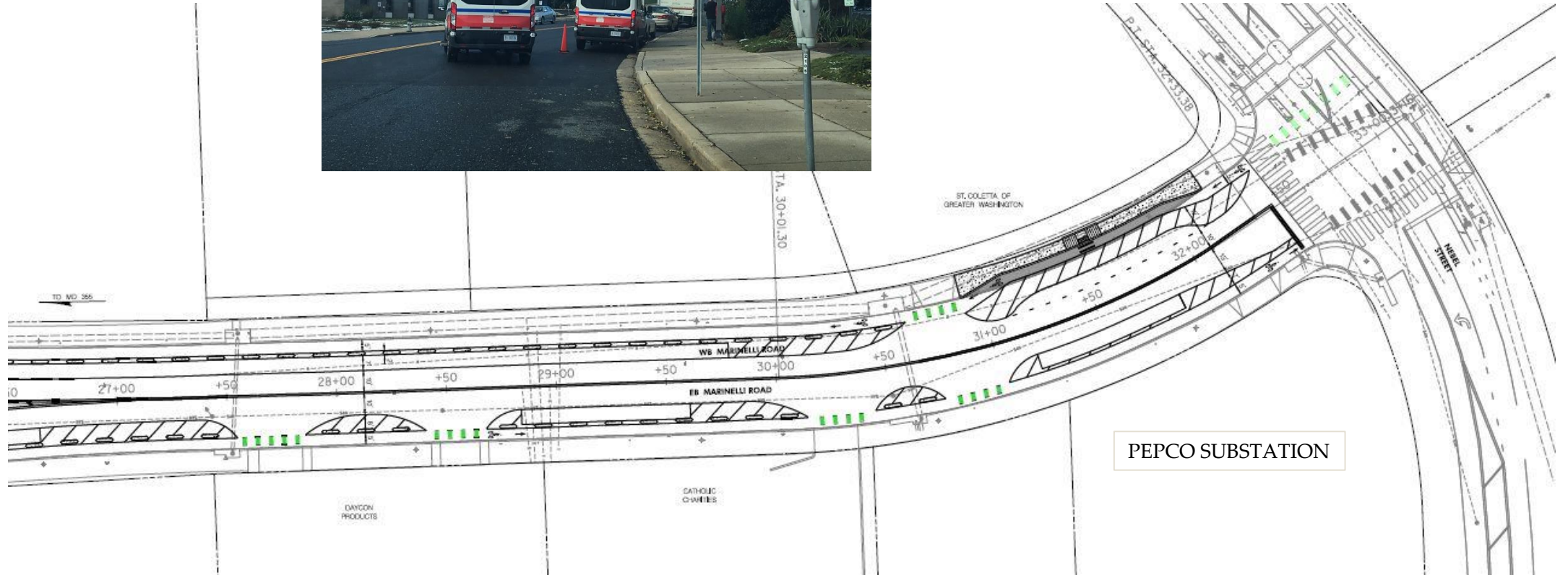


Proposed – Typical Section



Overall Design Concept Plan - Continued

Segment East of Citadel st. 27+00 to Nebel Street





Schedule & Next Steps

- Finalize design by winter 2019
- Continue to coordinate plans with:
 - Abutting Property owners
 - MCDOT Division of Traffic Engineering & Operations
 - Division of Highway Services
 - Division of Parking
 - State Highway Administration
- Anticipate Construction Late Spring 2019
- Begin design for Marinelli Road Separated Bike Lanes West of MD 355 to Executive Blvd.



MC DOT

Montgomery County Department of Transportation

Questions ?



Contact ?

Patricia Shepherd, Bikeways Program Manager
Montgomery County Department of Transportation
Division of Transportation Engineering
240-777-7231

patricia.shepherd@montgomerycountymd.gov

Learn more: www.bikemontgomery.com

Follow us: @MoCo_DTE

Get Involved: MCBAG: Montgomery County Bicycle Action Group