

Greenbelt City Council Work Session

Cherrywood Lane Design

**Monday
August 24, 2015
8:00 p.m.**

**Council Room
Greenbelt Municipal Building**



Source: Google Maps 2014

City of Greenbelt Green and Complete Street Project

Prepared by the Low Impact Development Center
Funded by the Chesapeake Bay Trust
August 24, 2015

1

What is a Complete and Green Street

An overview of the concept and idea

2

Overview of Cherrywood Lane

Street overview, phases, and framework

3

Cherrywood Lane Retrofit Options

A green and complete street in the making

4

Next Steps

Final planning concept ▪ Concept report

What is a Complete Street?

- ☐ Safe, comfortable, and convenient for travel via auto, foot, bicycle, and transit
- ☐ Designed and operated to enable safe access for all users
- ☐ Streets designed to fit into the context of the surrounding neighborhood
- ☐ Intended to create a cohesive unit
- ☐ Low maintenance landscaping and planted medians (aesthetics)

What is a Green Street?

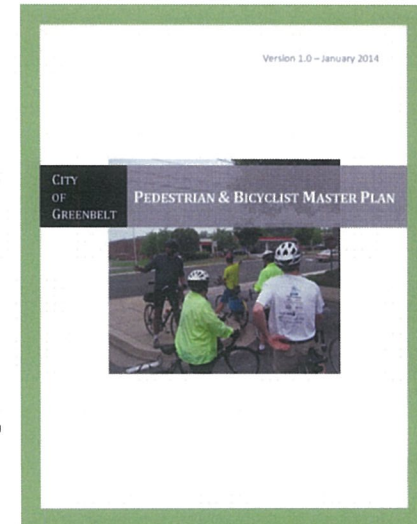
- ❑ A way to **integrate stormwater management** within the street's **right of way** in order to **reduce** the amount of water that is **pipel directly to streams**
- ❑ A **visible component** of a system of **green infrastructure** that is incorporated into the community's aesthetics

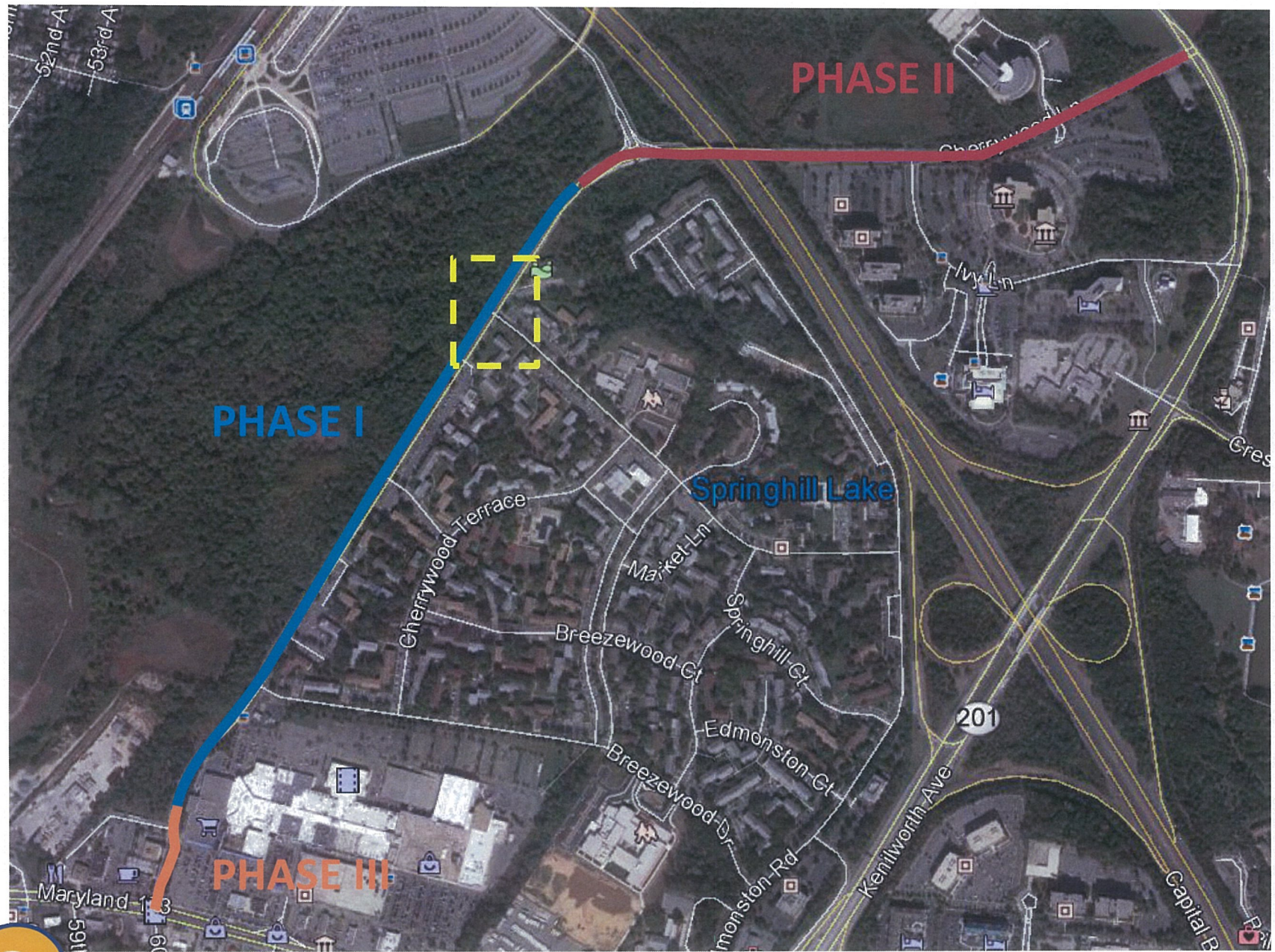
Complete Streets → Green, Complete Streets

- ❑ Complete streets also designed with stormwater runoff in mind
- ❑ Focus on reducing the flow of polluted runoff into the storm drain
 - ✓ Low maintenance landscaping areas replaced with low maintenance bioretention areas, or “rain gardens”
 - ✓ Tree canopy over paved surfaces
 - ✓ Impervious areas reduced

“Green” and “Complete” Drivers

- **Pedestrian and Bicyclist Master Plan (2014)**
 - Location-specific recommendations to improve bicycling and pedestrian features
- **Greenbelt Metro Area & MD 193 Corridor Sector Plan and SMA (2013)**
 - Identifies converting Cherrywood Lane into a “green street”
- **Countywide Master Plan of Transportation (2009)**
 - Embraces “complete streets”
- **Prince George’s County’s Phase II Watershed Implementation Plan**









Design Elements:

-  Pedestrian Lighting
-  Bike Lane
-  Crosswalk
-  Street Tree
-  Stormwater Treatment Area

Considerations:

-  Existing Light/Utility Pole
-  Existing Storm Drain
-  Existing Sanitary Sewer
-  Existing Fire Hydrant
-  Existing Street Tree

OPTION 1



Raised median with street trees



Stormwater curb extensions

Green bike lanes

Green, protected bike lanes

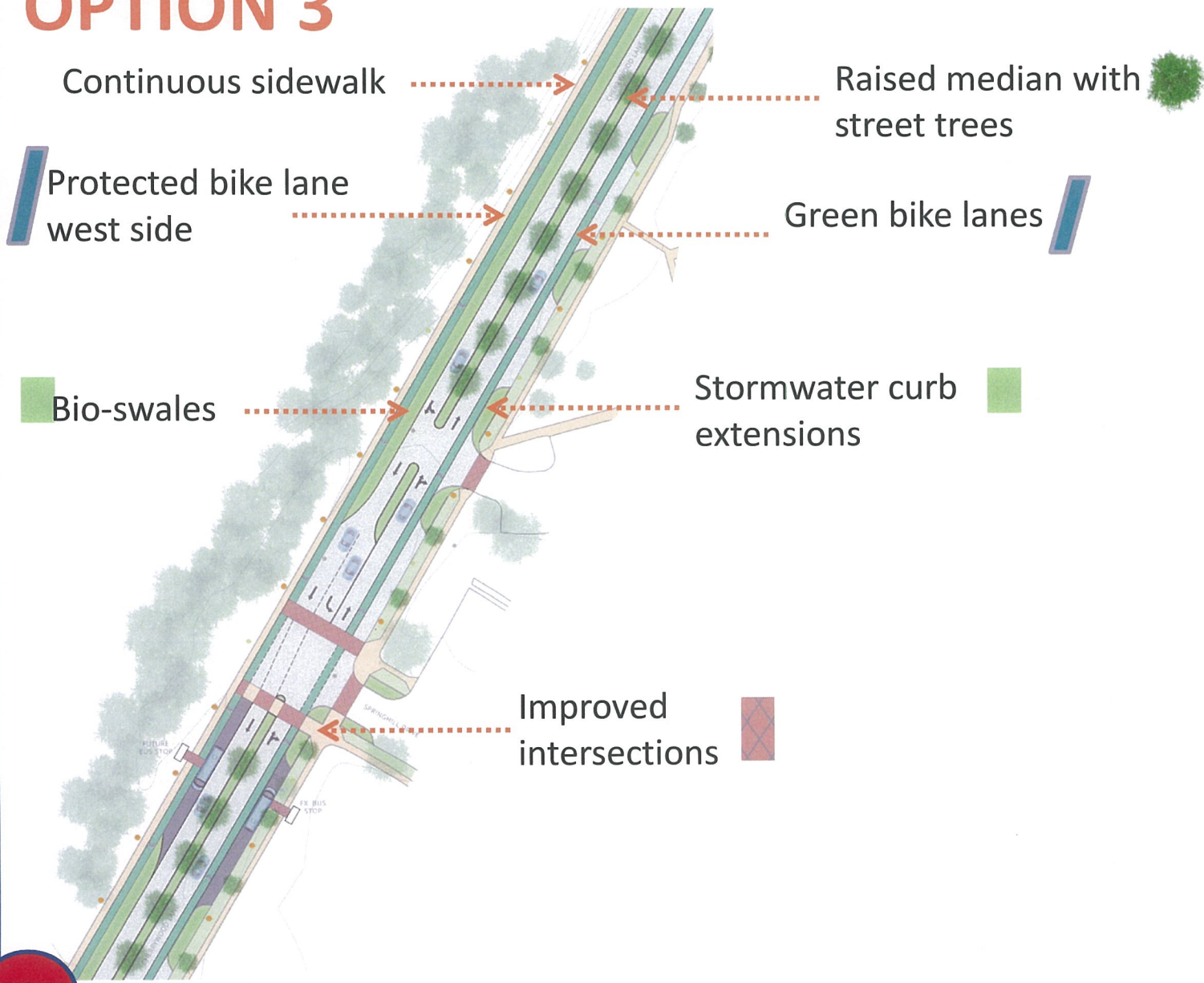
Improved intersections



Bio-swales

OPTION 2

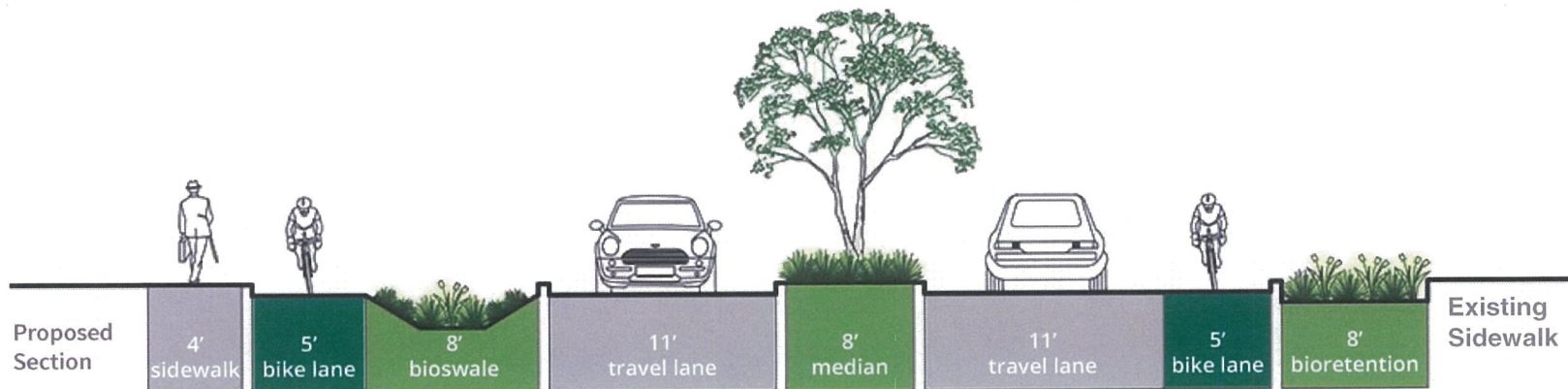
OPTION 3



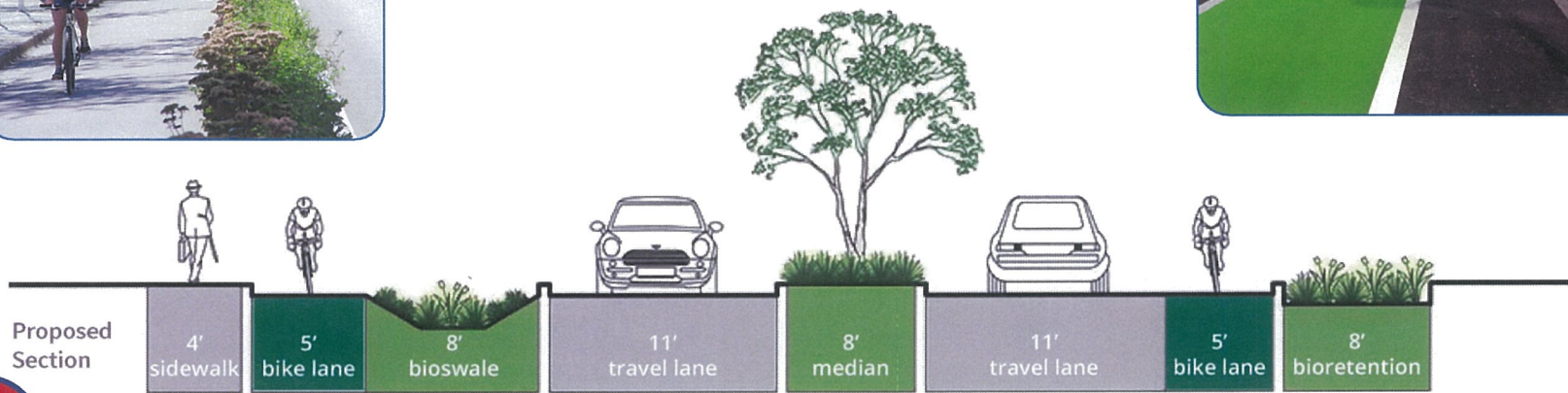
Existing Section



OPTION 3



OPTION 3 - Precedent Images



Option 3 – APB Comments

- **Tree lined central median as a place-making element**
 - e.g., Southway, Mandan Road, and Hanover Parkway
- **Bus pick up areas – move to far side of intersection if located near intersection**
- **Fully protected bike lanes on both sides with bio-retention**
 - Buffer area for dooring if on-street parking exists
- **No on-street parking**
- **Bike Lane Bypass of Bus Loading Pad**

Option 3 – Green Aces Comments

- **Concerned added bioretention will eliminate buffered bail out space for bike lanes**
- **Questioned necessity of having sidewalk on both sides**
 - Discussion on leveraged funding, connectivity
- **Discussed whether there's opportunity for a cycle track**
- **Buffer area for dooring if on-street parking exists**
- **Bike lane surface that is resistant to pot holes**
- **Question on keeping areas free of trash / maintenance**
 - Trash traps to the outfalls along Cherrywood Lane?

Current and Next Steps

- ☐ Initial Site Evaluation - Complete
- ☐ Pre-Design Community Input - Complete
 - ✓ Coordinated with the Planning Department
- ☐ Planning-Level Concept Designs
 - ✓ Feedback from Planning Department, Public Works, Advisory Planning Board, Green Aces
- ☐ Green Street Final Concept Design and Report
 - ✓ Phasing plan, calculations of stormwater benefits, preliminary opinion of costs

Project Team

Greenbelt Planning Department:

Terri Hruby – Assistant Director of Planning
Jessica Bellah - Planner

LID Center:

Emily Clifton – Project Lead
David Miller – Engineer
Suzy Cho – Landscape Architect