



City of Cambridge

# Cedar Street Green Street Concept

Public Meeting

July 15, 2024



# Agenda



**Project Background  
& Goals**



**Existing Conditions**



**Proposed Design Ideas**



**Questions and Comments**

# Project Background

- In 2011, the City's Comprehensive Plan identified complete streets and bikeways as a priority investment
- The City has made progress implementing bike infrastructure
- In 2023, Cambridge developed a Bikeway Feasibility Study – Cedar Street was a key corridor
- Throughout 2024, the City obtained a Green Streets Grant to begin Cedar St. concept design



# Project Goals

- Improve access and safety for all people using Cedar Street
- Provide Non-motorized east-west connections
- Reduce Airborne pollutants
- Reduce run-off
- Increase water quality
- Provide tree cover and heat mitigation
- Improve roadway safety with traffic calming without reducing roadway capacity



# Project Considerations

- Drainage patterns and street grade
  - Intercepting and treating run-off
  - Minimizing Flood Risk
- Roadway capacity and traffic operations
- Traffic calming
- Property and right-of-way – ***no roadway widening is proposed***



# Project Area



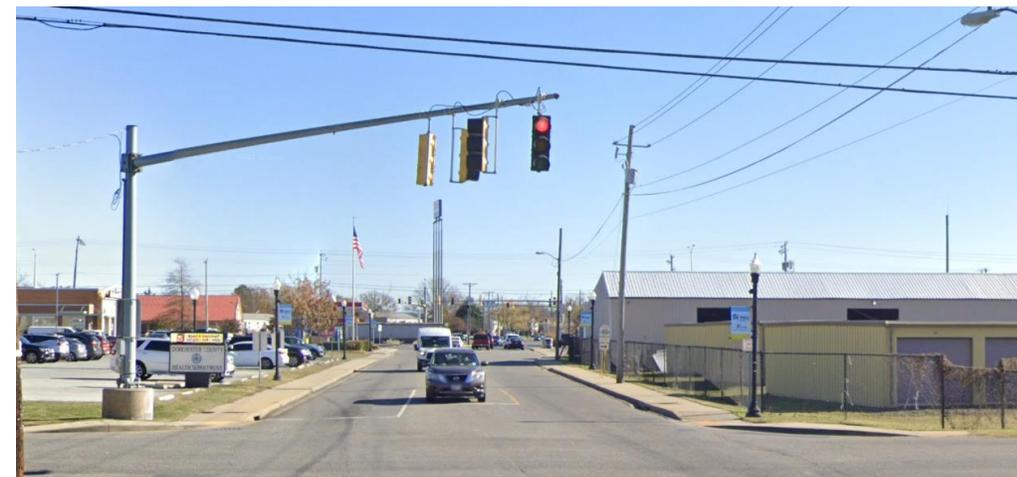
 Key Intersection

 Stormwater Intercept Point

# Existing Conditions



# Existing Conditions



# Traffic Safety Concerns

## Pedestrian and Bike Crash

-  Bicycle
-  Pedestrian

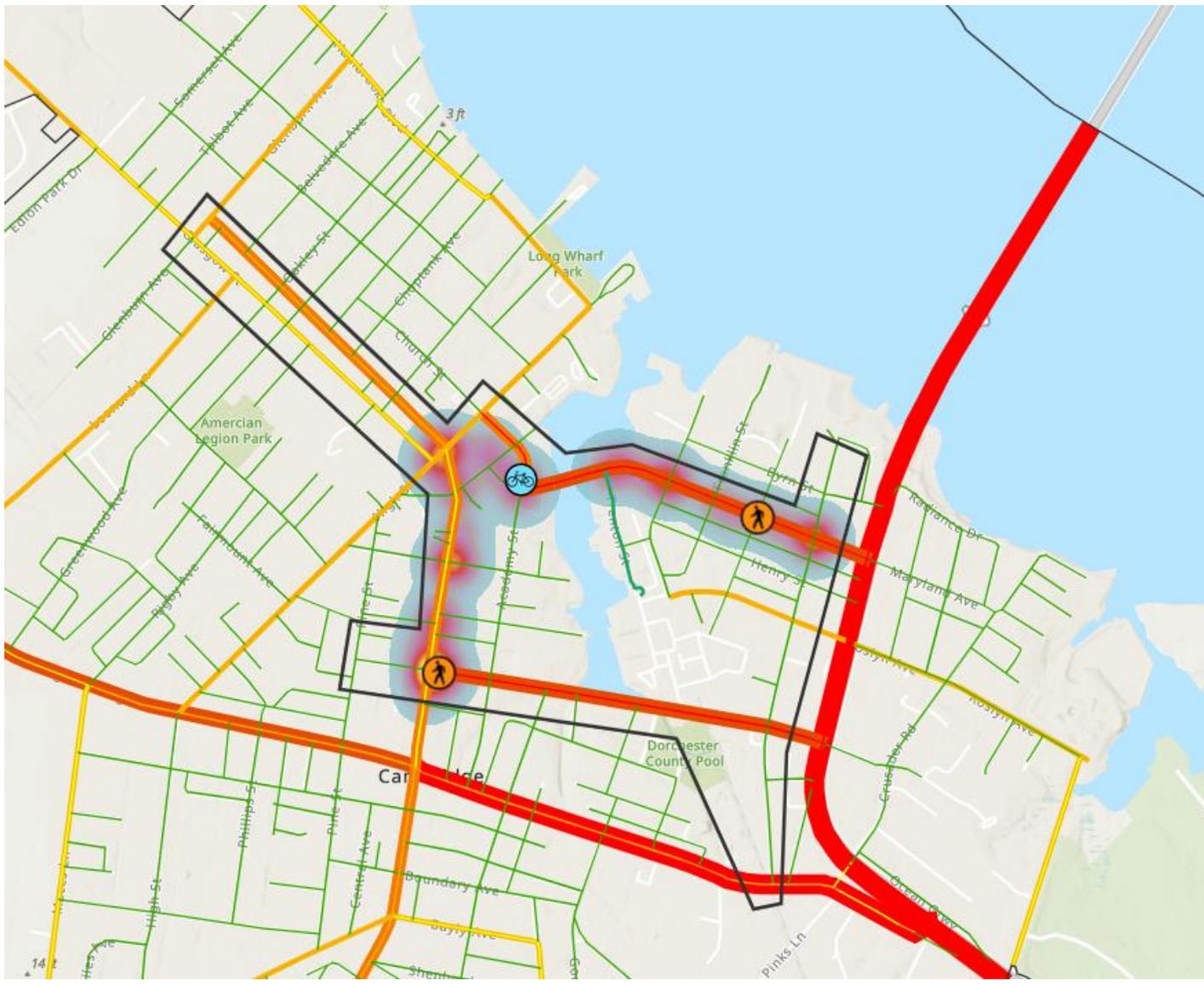
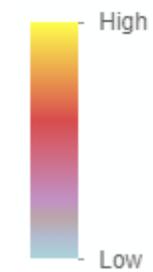
## Level of Traffic Stress

-  1 – Low Stress Street for Biking
-  2 – Medium Stress Street for Biking
-  3 – High Stress Street for Biking
-  4 – Very High Stress Street for Biking

## AADT

-  10,001 - 27,985
-  7,001 - 10,000
-  3,001 - 7,000
-  501 - 3,000
-  less than 500

## Crash HeatMap 2017-2021



# Planned Upgrades



## Planned Facilities

- Two-Way Cycletrack
- Crosswalks and Crossbikes
- Sidepath Extension
- Stormwater Treatment
- Pavement Removal

# Recommendations for Design



## During Design Process

- Conduct Signal Warrant Analyses
  - Dorchester Ave
  - Academy Street
  - Race Street
- Intersection of Cedar/Academy especially in need of a redesign



# Water Quality Options

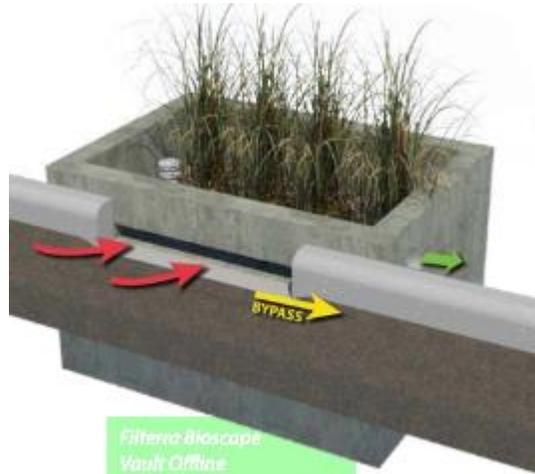
## Stormwater Treatment

- Filterras or similar



Filterra Sedimentation Chamber (Maryland Only)

Bypass via downstream catch basin.



Filterra Bioscape Vault Offline

Bypass via downstream catch basin.

Various Filterra Options – courtesy of ConTech



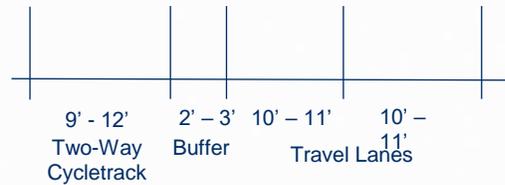
Removal of Turn Lane/Impervious Surface on Waverly Dr in Salisbury

## Pavement Removal

- Unused Right-of-Way
- Buffer Space

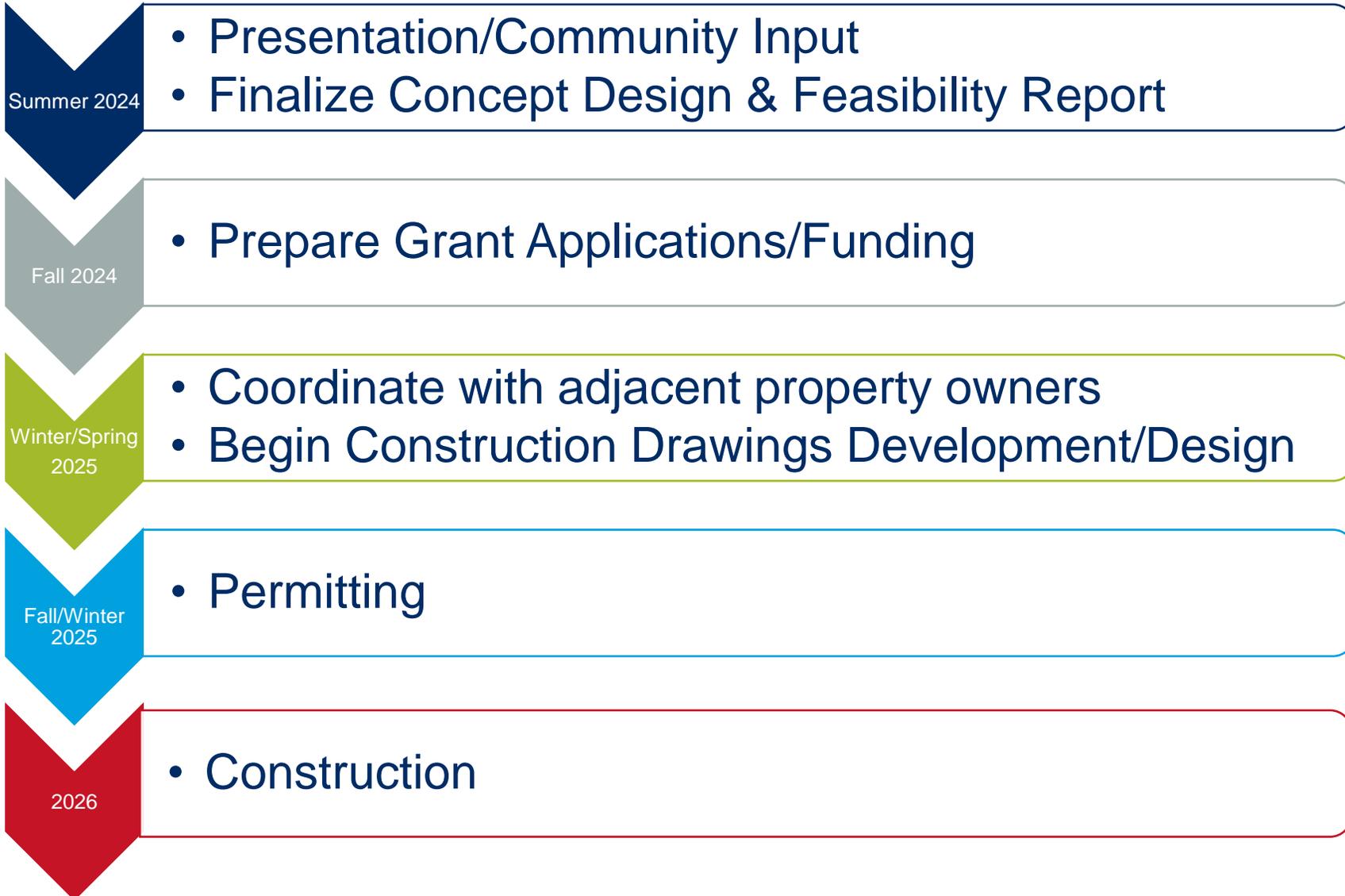
**BEFORE – Cedar Street**





# AFTER – Cedar Street

# Next Steps



**Questions &  
Comments?**

The background features a dark blue field on the left, transitioning into a series of overlapping, semi-transparent geometric shapes on the right. These shapes include triangles and quadrilaterals in various shades of blue, a vibrant red, a bright green, and a yellow-green. The overall effect is a modern, dynamic, and colorful abstract design.