

## Project Overview

### • Project Objectives

- Connections to Existing Paths
    - South Bay Harbor Trail
    - Boston Harbor Walk
    - Neponset River Greenway
  - Safety, Separation, and Comfort
  - Appealing to All Users
    - Commuters
    - Recreational Cyclist
  - Sensitive to On-Site Constraints
- 2.3 Miles Long
  - Varying Land Use
    - Residential
      - Preble Street
    - Industrial
      - Southampton Street
      - Morrissey Boulevard
    - Recreational
      - Old Colony Avenue



## Preble Street Rotary/Roundabout

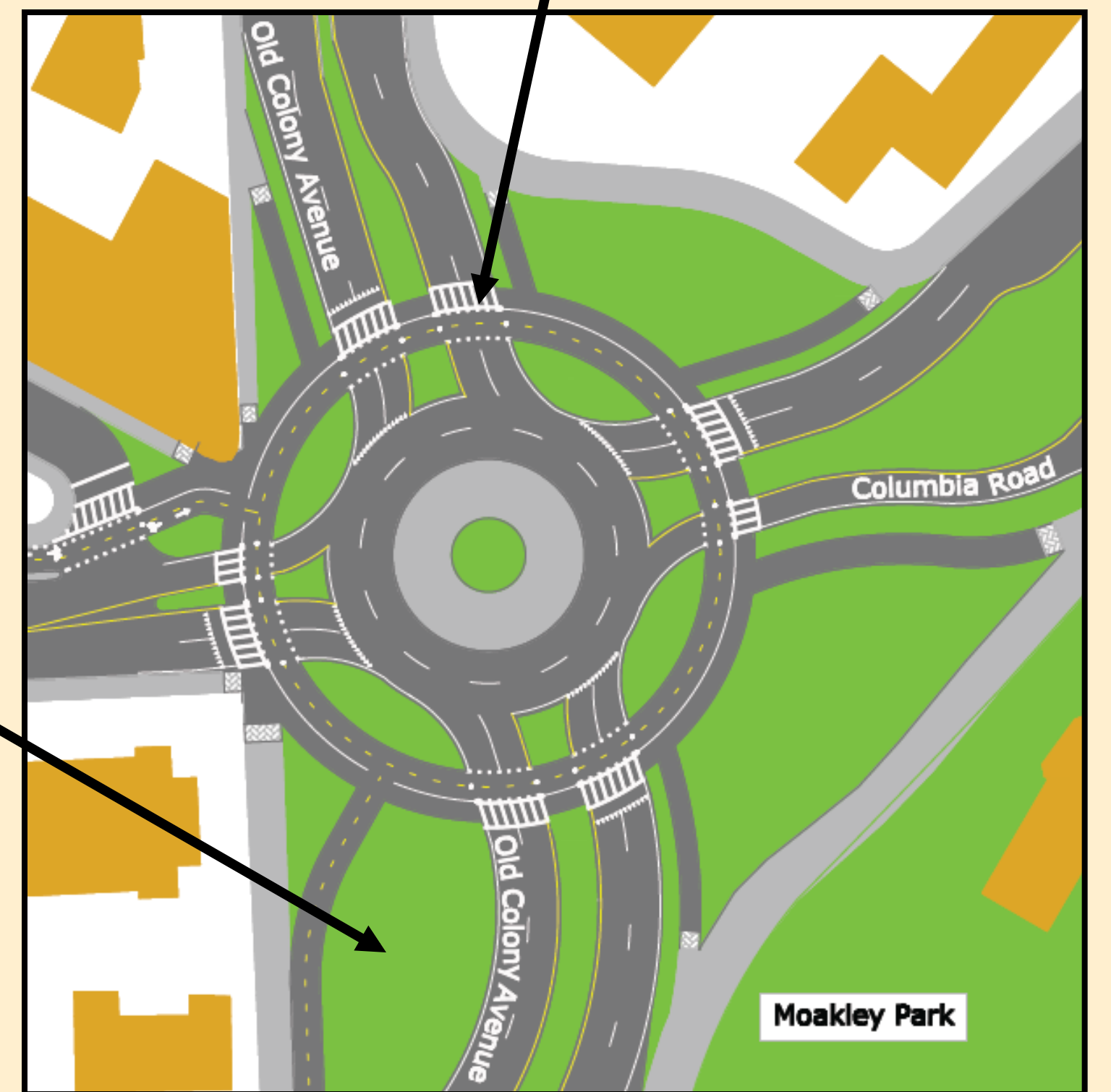
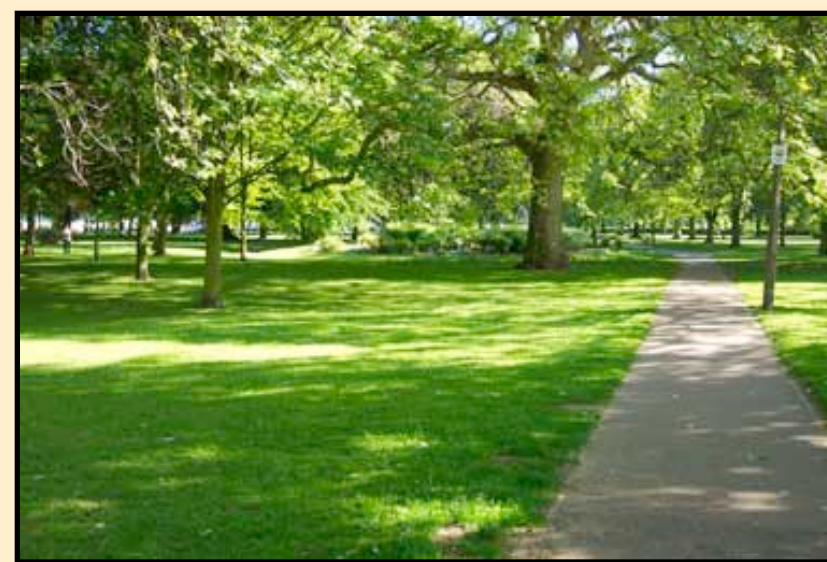
### • Existing Layout (Rotary)

- Unconventional Geometry
  - Wide Diameter
    - 180 Foot Diameter Island
    - 280' Inscribed Diameter
    - Encourages Higher Speeds
  - No deflection for Old Colony Ave. Southbound Traffic
  - Difficult Pedestrian & Cyclist Crossings



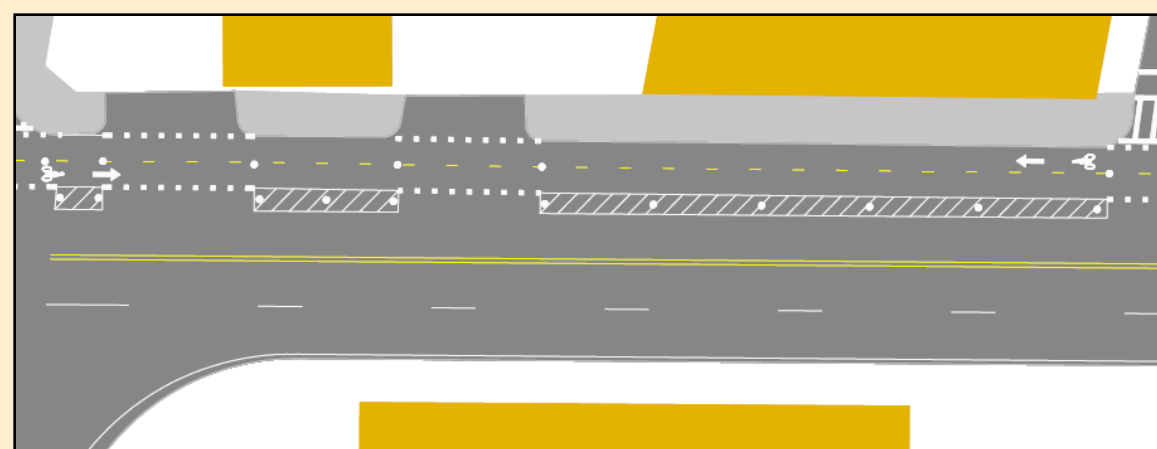
### • Proposed Layout (Modern Roundabout)

- European Style Roundabout
- Geometry
  - Small Diameter
    - 30 Foot Diameter Raised Island
    - 78 Foot Diameter Mountable Area
    - 2 – 13 Foot Circulating Travel Lanes
  - Slower, Safer Speeds
  - Deflection for all approaches treated equally

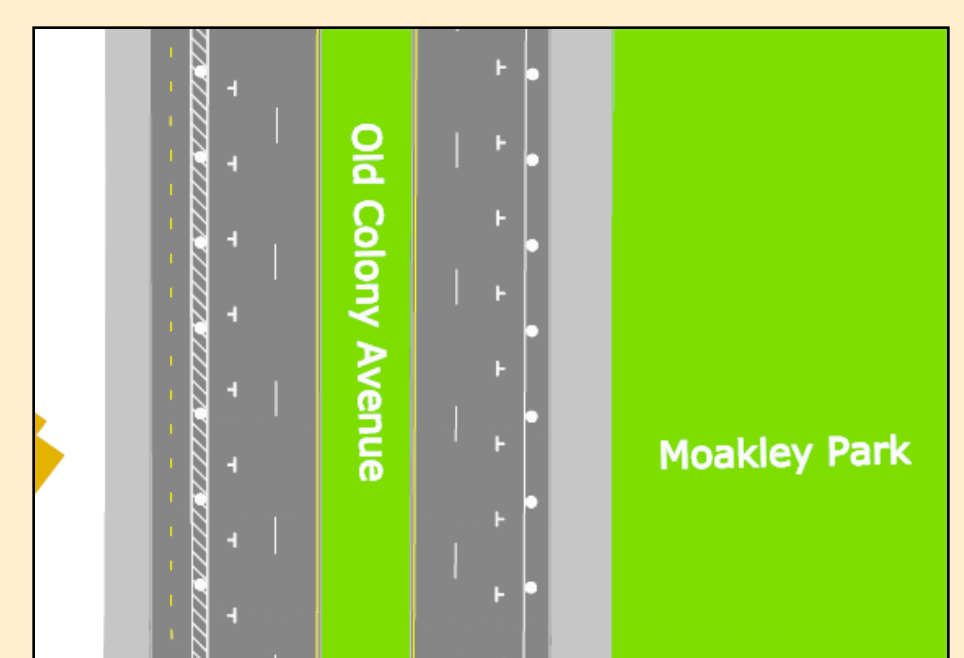


## Cycle Track

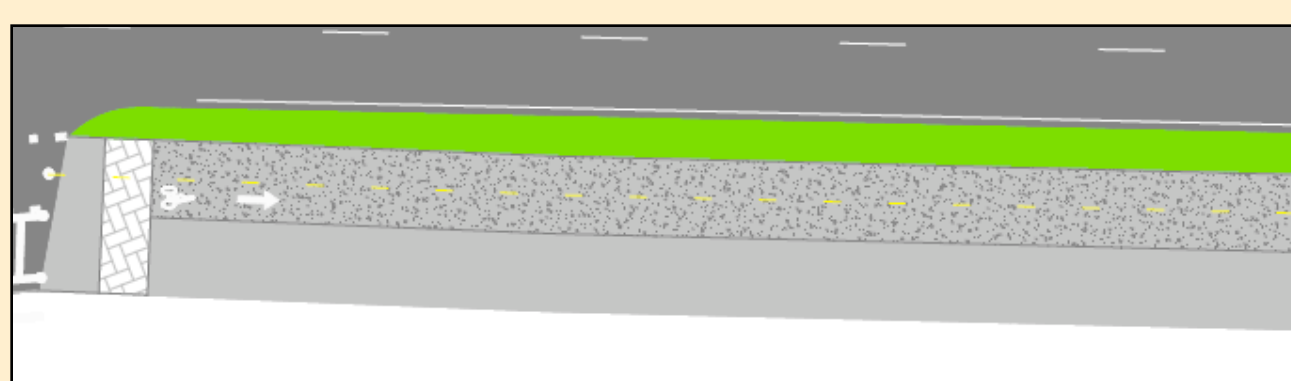
- Highly Adaptable to Different Land Uses
- Supports Two-way Flows with Less Width Than Two Bike Lanes
  - 4' Min. Width Standard for Two One-way Bike Lanes
  - 3.5' Min. Width Standard for One Direction of Cycle Track



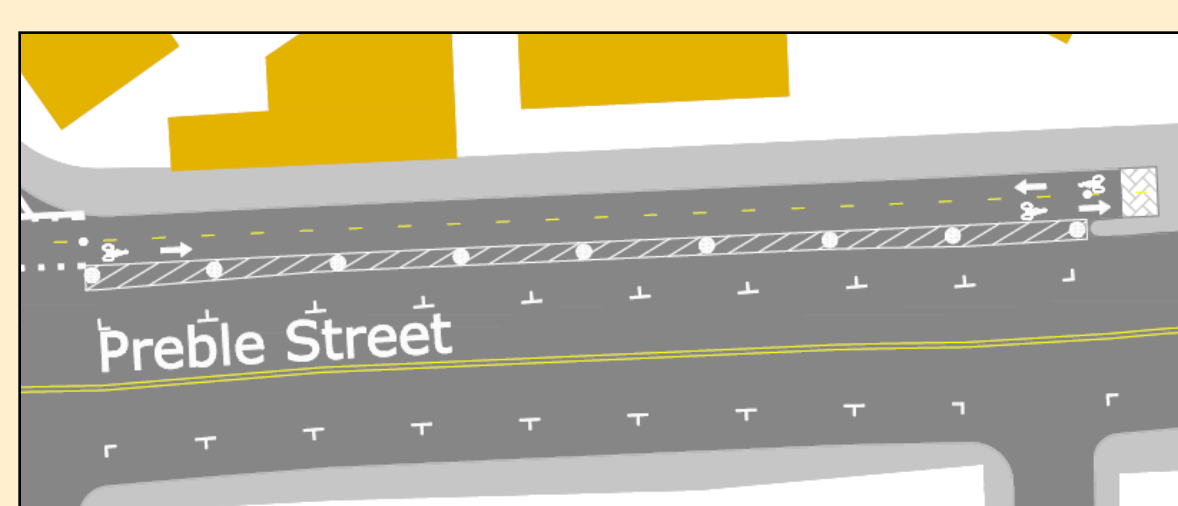
Industrial



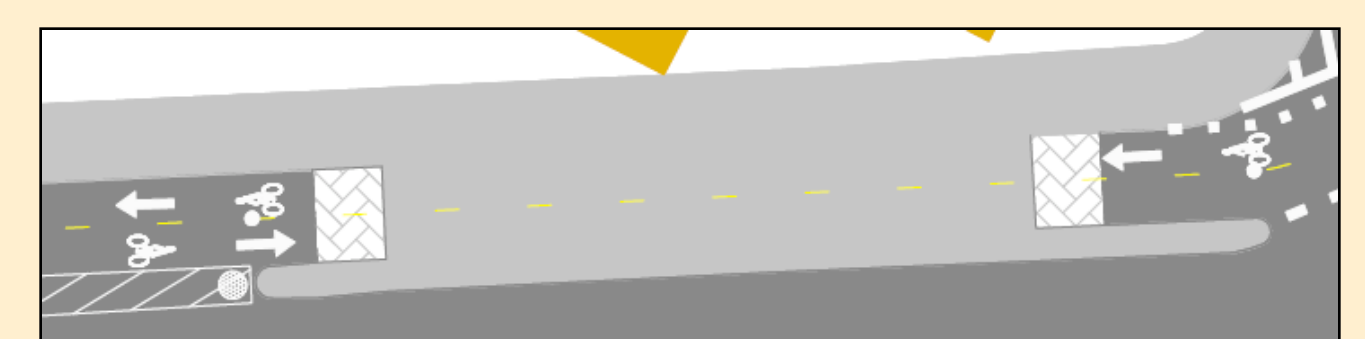
Recreational



At Grade with Sidewalk



Residential



Bus Stops Locations