

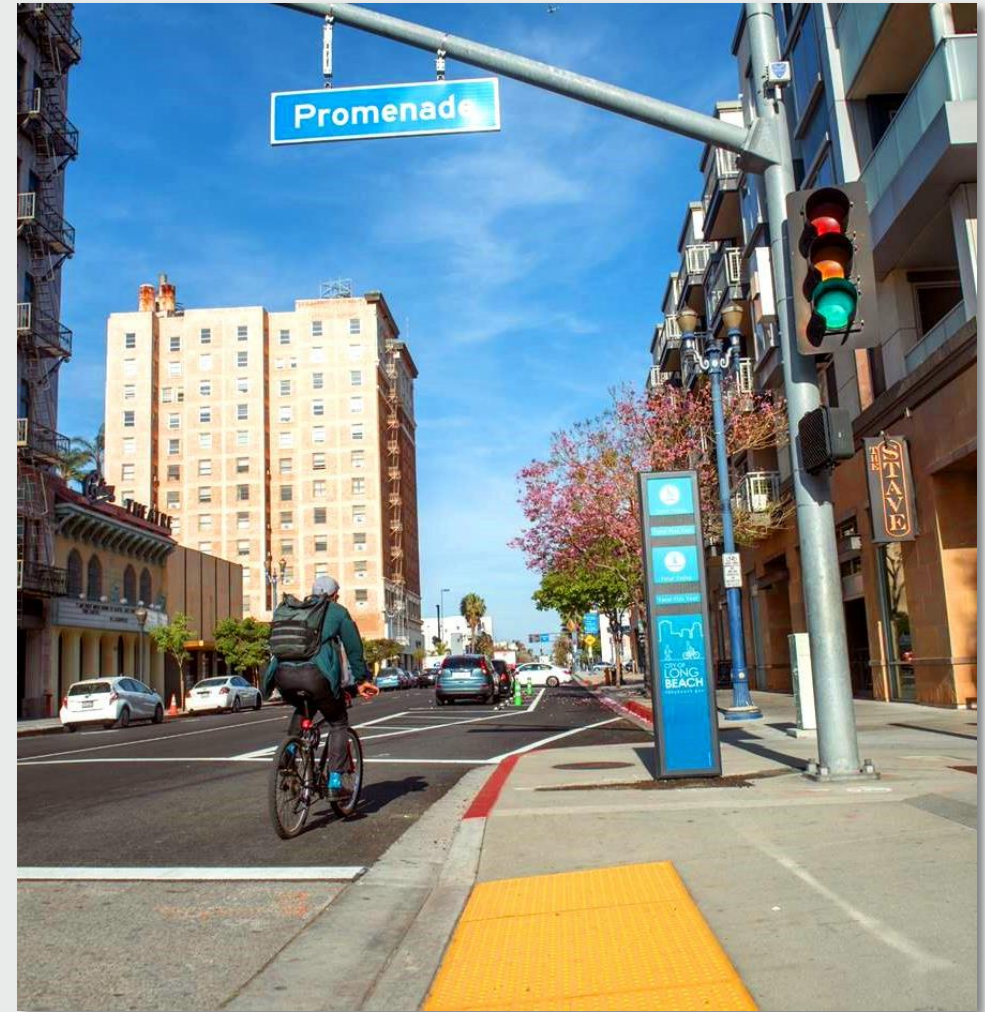


# **Citywide Bicycle Infrastructure**

**City Council Study Session - January 18, 2022**

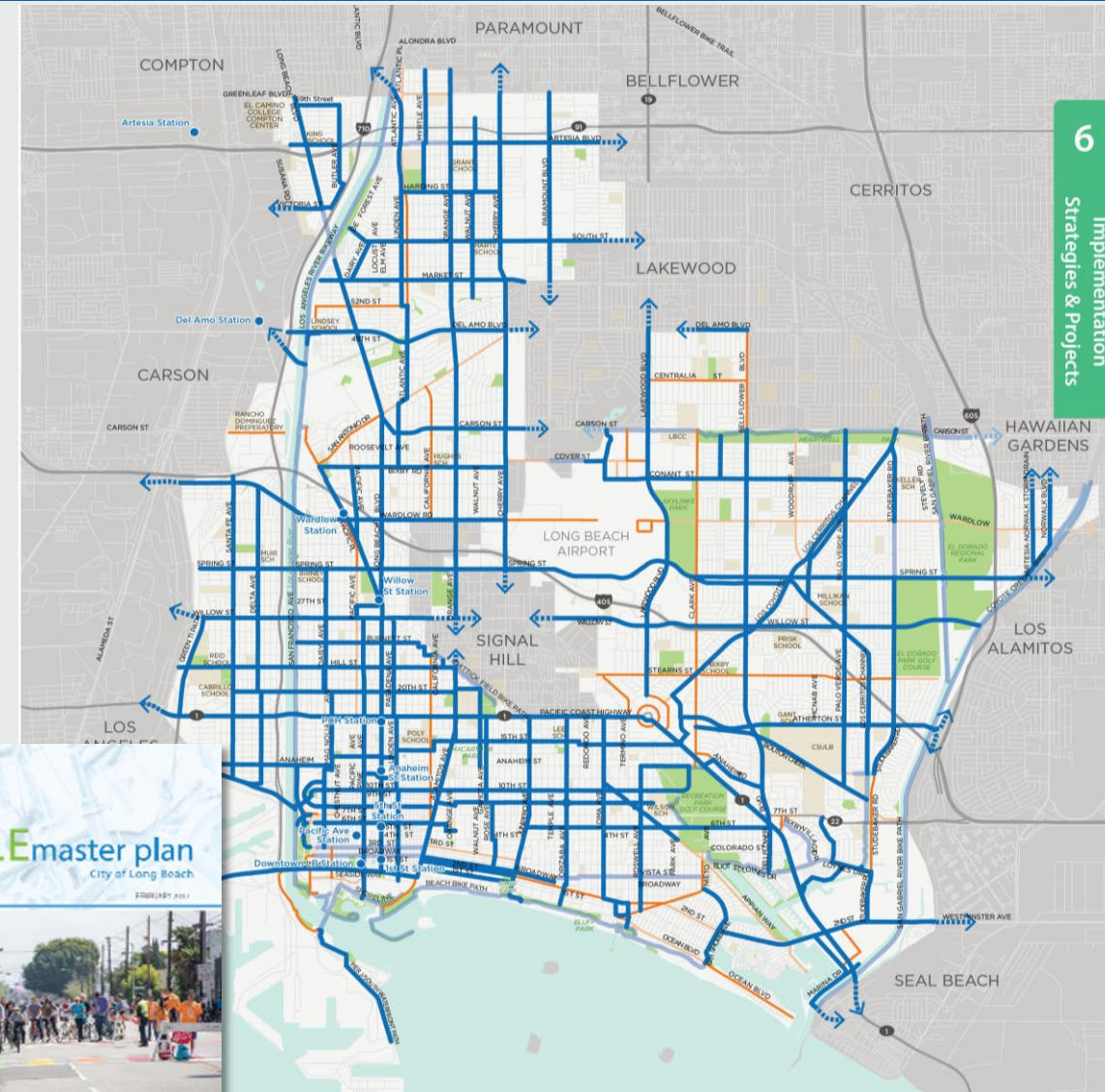
# Agenda

- Bicycle Master Plan
- Safe Streets LB Action Plan
- GoActiveLB Hub
- Bike Share Updates
- Bikeway Infrastructure Projects
- Network Implementation Progress



# Bicycle Master Plan

- Adopted by the City Council 2017
- Focus on equity, mode shift, sustainability, and safety
- Vision to shift 30% of all trips to bicycle trips in 30 years
- Create 8-80 bicycle network that is connected, safe, and convenient
- Implement bike-friendly programs



# Safe Streets LB Action Plan

- Safe Streets LB Action Plan adopted by the City Council in July 2020
- Vision Zero Policy
  - Eliminate traffic fatalities and serious injuries by 2026
- Plan focuses on vulnerable road users at higher risk
- Action Plan Focus Areas
  - Resources, Speeding, Design, Education, Data, Equity, Partnerships



# Safe Streets LB Action Plan

- Safe Streets and Bike Infrastructure
  - Bicyclists are overrepresented in crash data
  - Survey feedback emphasized need for separation between bikeways and vehicle traffic
  - Roadways with bikeways are typically redesigned to reduce speeding
  - Bicycle infrastructure can improve safety for drivers as well
- Achievements since 2020
  - Received \$19M for safety improvement projects
  - Yard sign education program
  - Speed limit reductions (29 road segments to date)



# GoActiveLB Hub

- City-owned bicycle commuter parking facility
  - 1st Street and Promenade in Downtown
  - Monthly and annual commuter parking memberships
  - 24/7 secure and monitored indoor bike parking
  - Free monthly bike safety workshops
- Other GoActiveLB Hub Services
  - Bike registration
  - Bicycle repair
  - Retail shop
  - Resource for bicycle info



# BikeShare 2021 Trips and Program Metrics

- Total bikes: 572
- Additional bikes in refurbishment: 858
- Total hubs: 96
- Overall trips: 48,861
- Total miles: 143,790
- Average ride time: 8 minutes
- Carbon emissions reduced: 126,796 lbs.
- Calories burned: 5,751,609
- 2021 active members: 58,338
- 2020 active members: 46,112



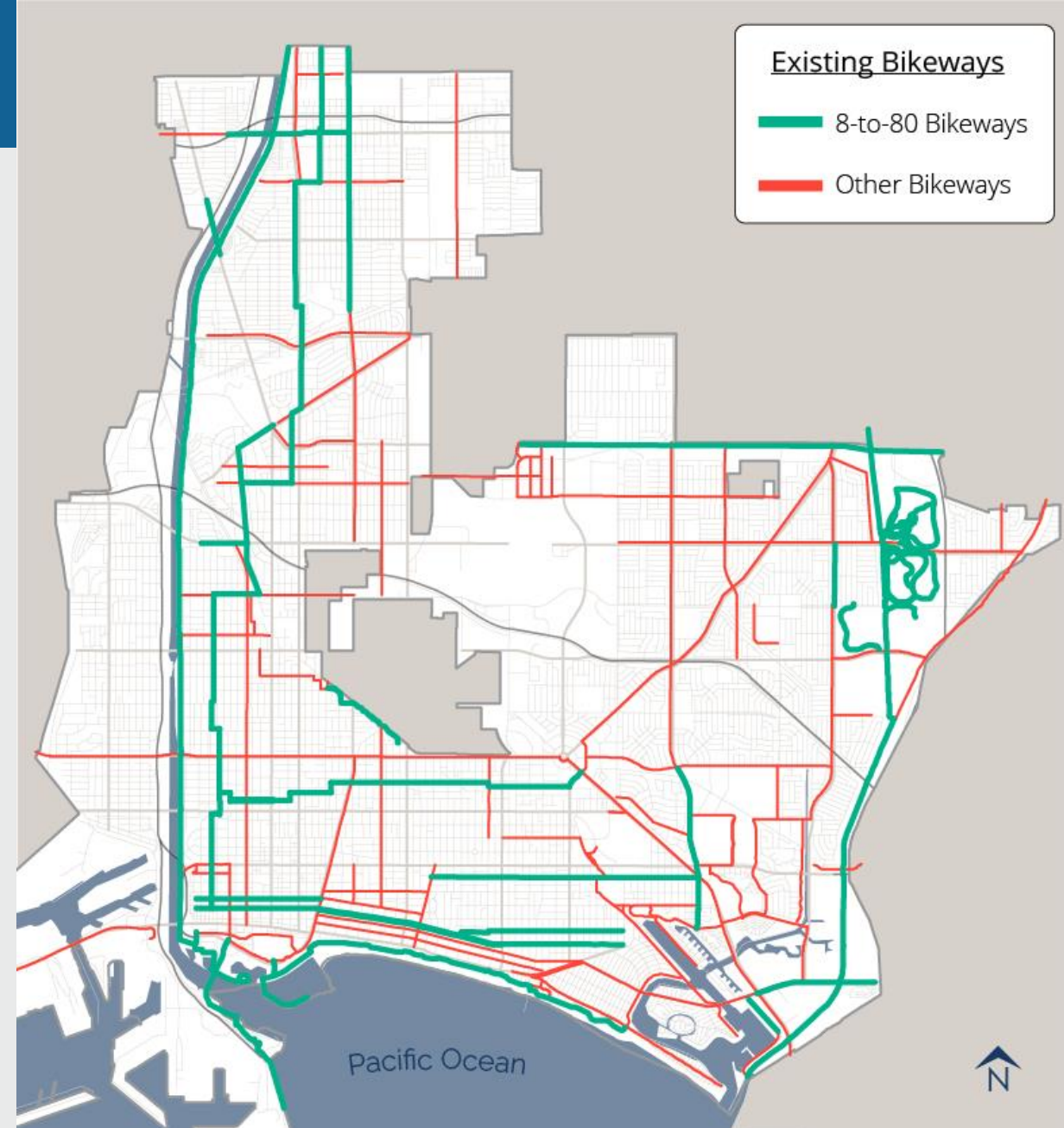
# BikeShare Updates

- Operations and Maintenance
  - New 2021 contract term for 2.5 years
  - Pedal Movement is contracted vendor
  - Includes refurbishment of recently acquired bicycles
- 2022 BikeShare Expansion
  - 100-150 new e-bikes
  - 800+ refurbished non-electric bicycles
  - 50-75 new hubs will be installed citywide
  - Reduce fare program launch
  - Goal to increase membership and trips



# Current Bikeway Status

- Current Bikeway Network
- 2021 8 to 80 Projects (1.5 miles)
  - Pier J Path (Partnership with POLB)
- 2021 Bike Lane Projects (.36 mile)
  - Temple Ave (Obispo Ave - Spring St)
  - Private Developer Constructed
    - Alamitos Ave (Ocean Blvd – Broadway)
    - Cherry Ave (San Antonio Dr – Del Amo Blvd)



# Upcoming Bikeway Projects

## Grant-Funded

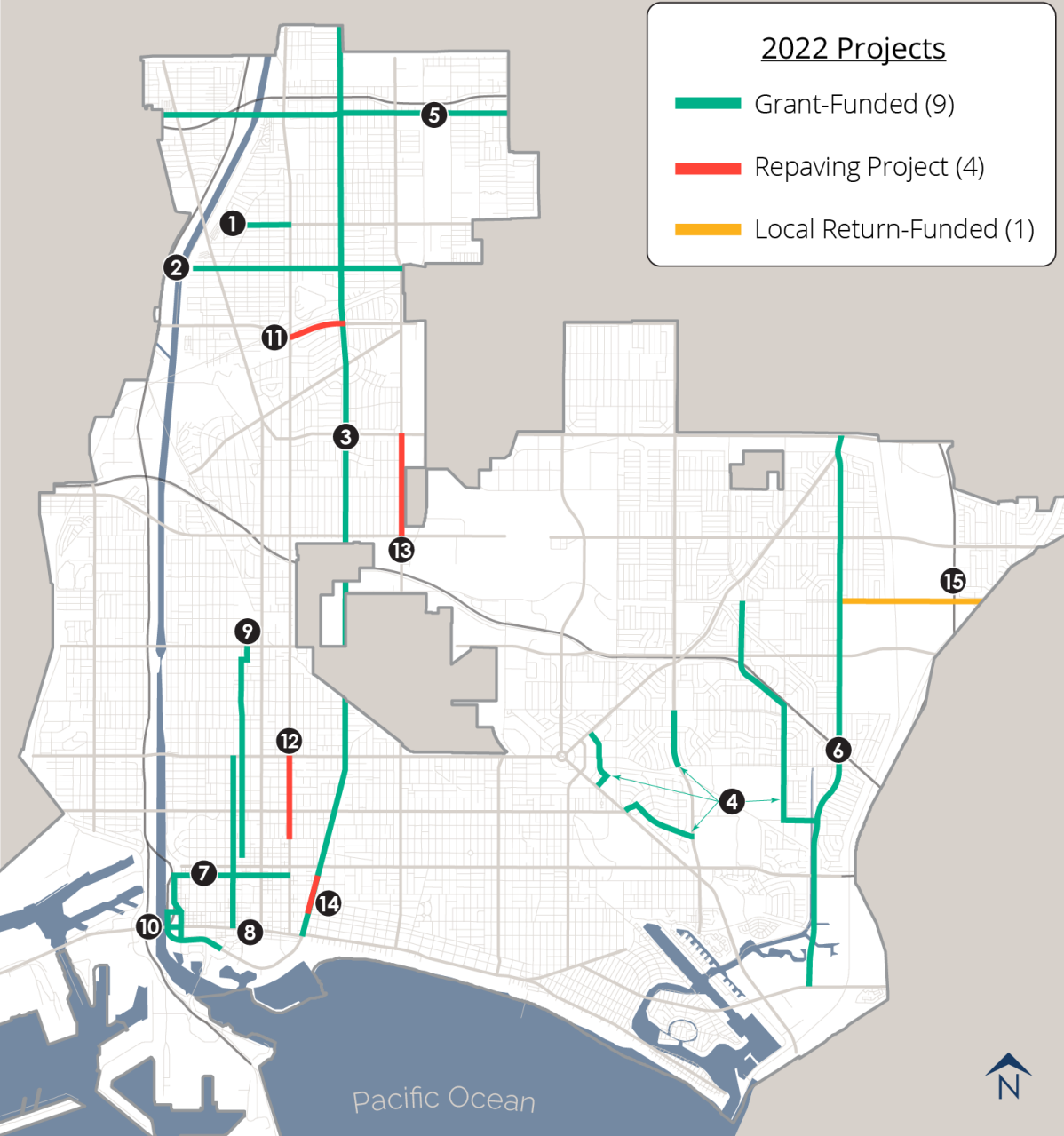
1	South St	Dairy-Atlantic	2022
2	Market St	LA River-Cherry	2022
3	Orange Ave	Ocean-70th	2023
4	Atherton St	Various	2023
5	Artesia Blvd	City Limits	2023
6	Studebaker Rd	2nd-Carson	2024
7	6th St	Golden-Atlantic	2024
8	Pacific Ave	Ocean-PCH	2025
9	Pine Ave	8th-Willow	2025
10	Shoreline Dr	6 <sup>th</sup> – Downtown	2024

## Repaving Project

11	Del Amo Blvd	Atlantic-Orange	2022
12	Atlantic Ave	10th-PCH	2023
13	Cherry Ave	Wardlow-Carson	2024
14	Alamitos Ave	Broadway-6th	2024

## Local Return-Funded

15	Spring St	Studebaker-ECL	2022
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# Upcoming Project: Downtown Walkable Corners

- 190 curb extensions and pedestrian medians Downtown
  - Limits: Magnolia Ave, Alamitos Ave, 7<sup>th</sup> St, Ocean Blvd
  - Safe Streets LB Action Plan
  - Pedestrian and bicyclist visibility improvements
  - Education and outreach
- Federally-funded
  - Caltrans Active Transportation Program
  - Total cost \$8.8M
- Estimated completion 2025



# Upcoming Project: Pacific Ave Cycle Track

- Pacific Avenue (Ocean Blvd to PCH)
  - Safe Streets LB Action Plan
- Transit, bicycle, and pedestrian priority
  - Bus islands
  - Shorter pedestrian crossings
  - Separated bikeway
- Federally-funded
  - Caltrans Active Transportation Program
  - Total cost \$8.3M
- Estimated completion 2025



# Upcoming Project: Pine Ave Bike Boulevard

- Pine Avenue (8th St to Willow St)
  - Connects Downtown to the Willow St Metro A Line Station
- Bike and pedestrian priority
  - Traffic calming features - vehicle diverters, raised intersections, traffic circles, rapid flashing beacons, etc.
- State-funded
  - Caltrans Active Transportation Program
  - Total cost \$4.1M
- Estimated completion 2025



# Upcoming Project: Del Amo Boulevard

- Limits: Atlantic Ave to Orange Ave
- Bikeway added to regularly scheduled Major Streets maintenance project
- Separated bikeway uses concrete separators (photo from Portland)
- Connects to Orange Ave and Atlantic Ave bikeways
- City staff design

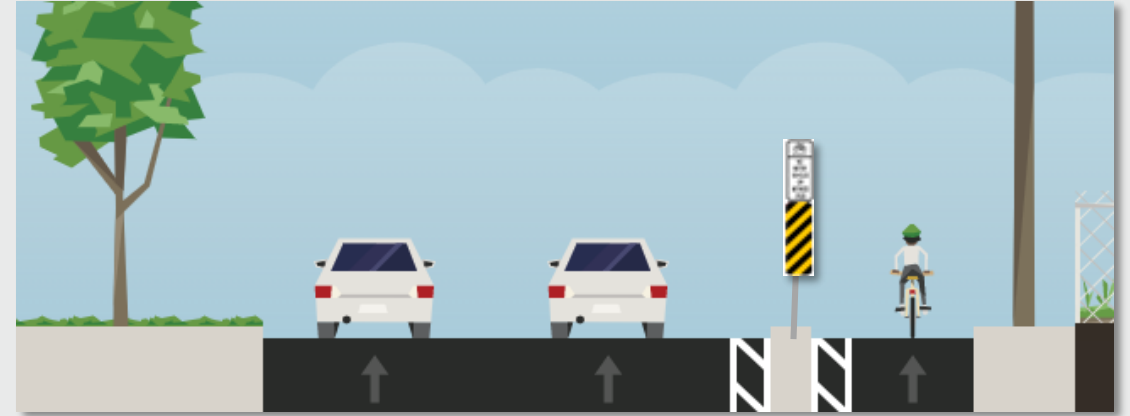
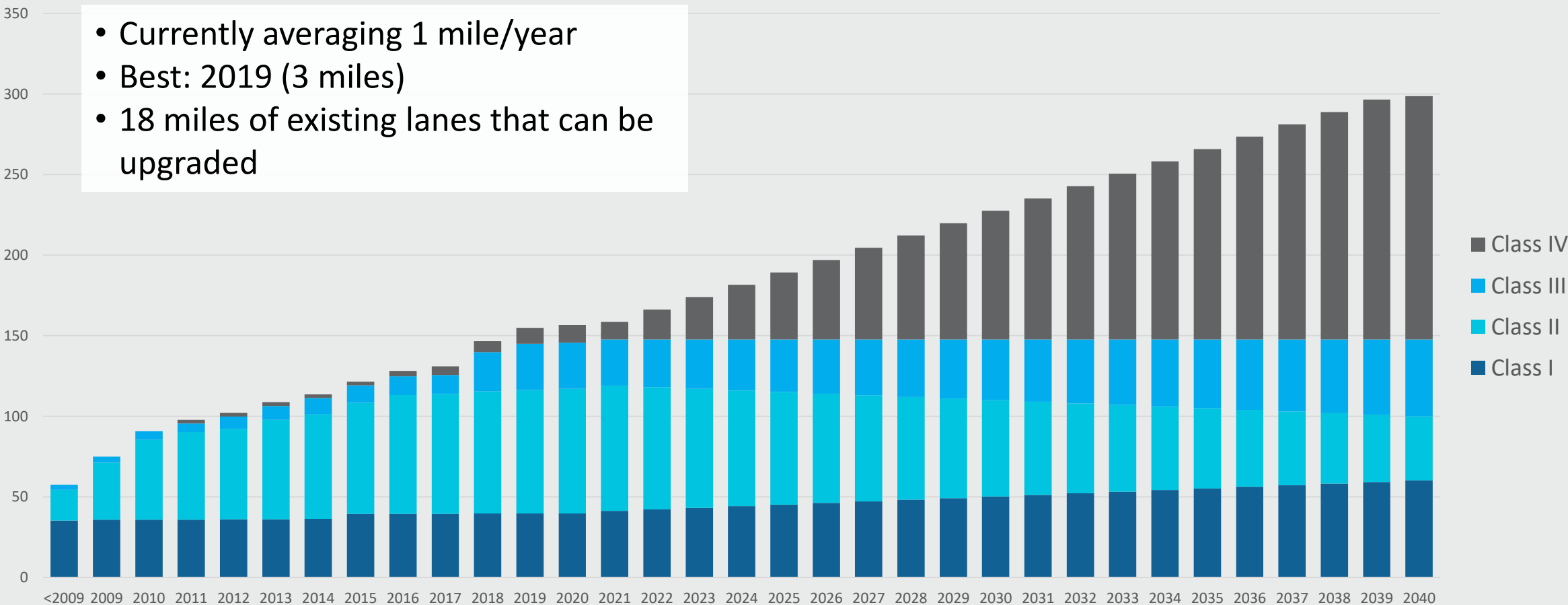


Photo Courtesy of BikePortland.org

# Bikeway Network Expansion Target

Cumulative Miles of Bikeways Needed to Meet Bicycle Master Plan Target



# Achieving Bikeway Targets

- Quick Build & Interim (Top Photo)
  - Signing and Striping, Temporary Materials
  - \$250k/mile
  - Complete Buildout: \$35 million (\$1.8M/year)
- Best Practice (Bottom Photo)
  - Concrete and Stormwater Upgrades
  - \$5M/mile
  - Complete Buildout: \$700 million (\$36M/year)



# Best Practice Bikeways



A nighttime photograph of the Long Beach skyline. The city lights, including several tall buildings and palm trees, are reflected in the calm water in the foreground. A semi-transparent white rectangular box is overlaid on the left side of the image, containing the text "Thank you".

Thank you