

Bicycle and Pedestrian Plan

City Council Update
March 19, 2018


Bicycle and Pedestrian Plan

Planning document that supplements the city-wide Master Plan


1. Proposed bicycle and pedestrian city-wide network
2. Recommendations for policy, programs, and infrastructure improvements to support walking and biking
3. Toolkit and action plan for implementation






Bicycle and Pedestrian Network

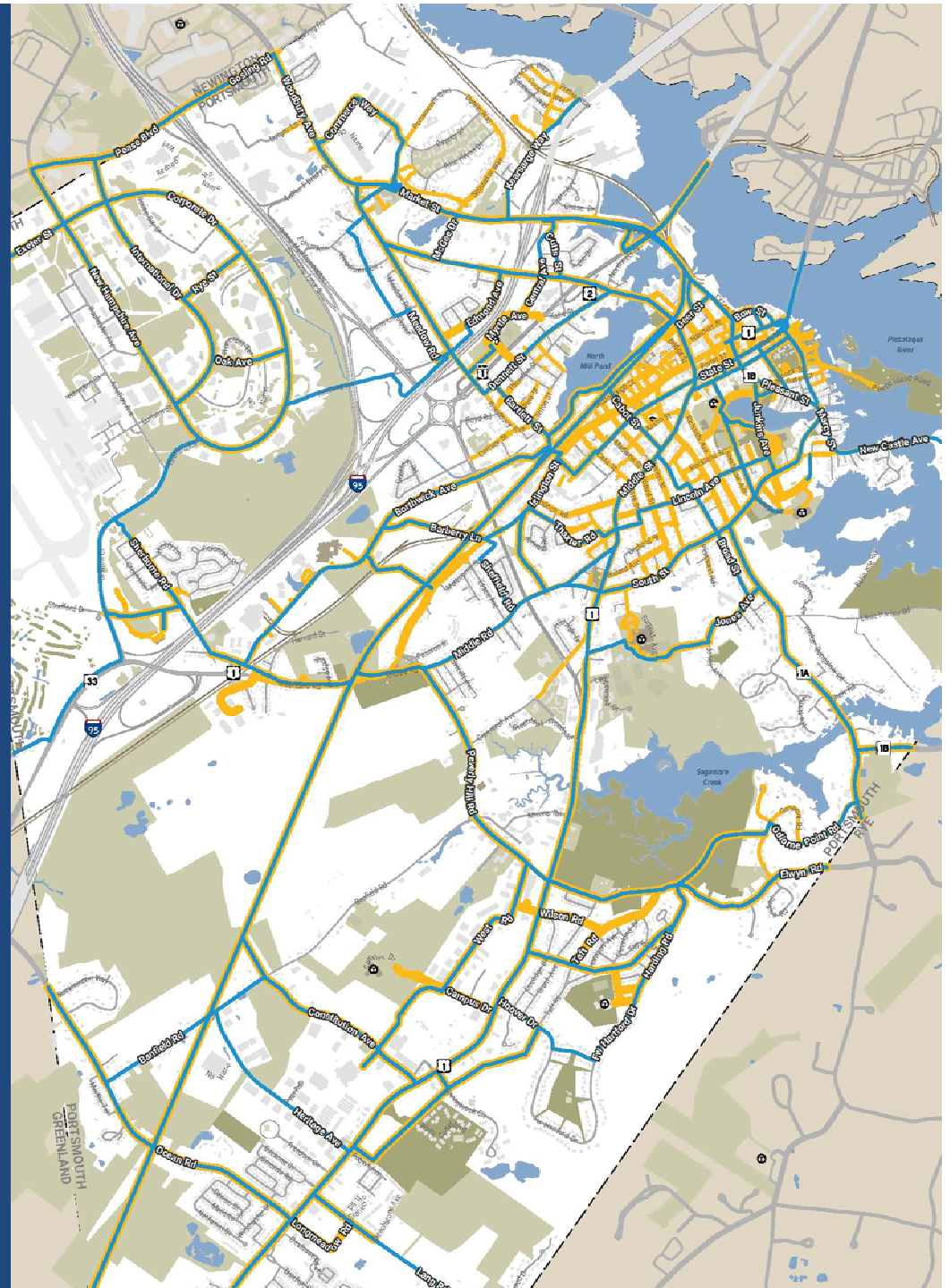
 **City of Portsmouth**
Bicycle and Pedestrian Master Plan

BICYCLE AND PEDESTRIAN NETWORK PLAN
August 2014

 Bicycle Network

 Pedestrian Network

  0 0.125 0.25 0.375 0.5 0.75 1 Miles



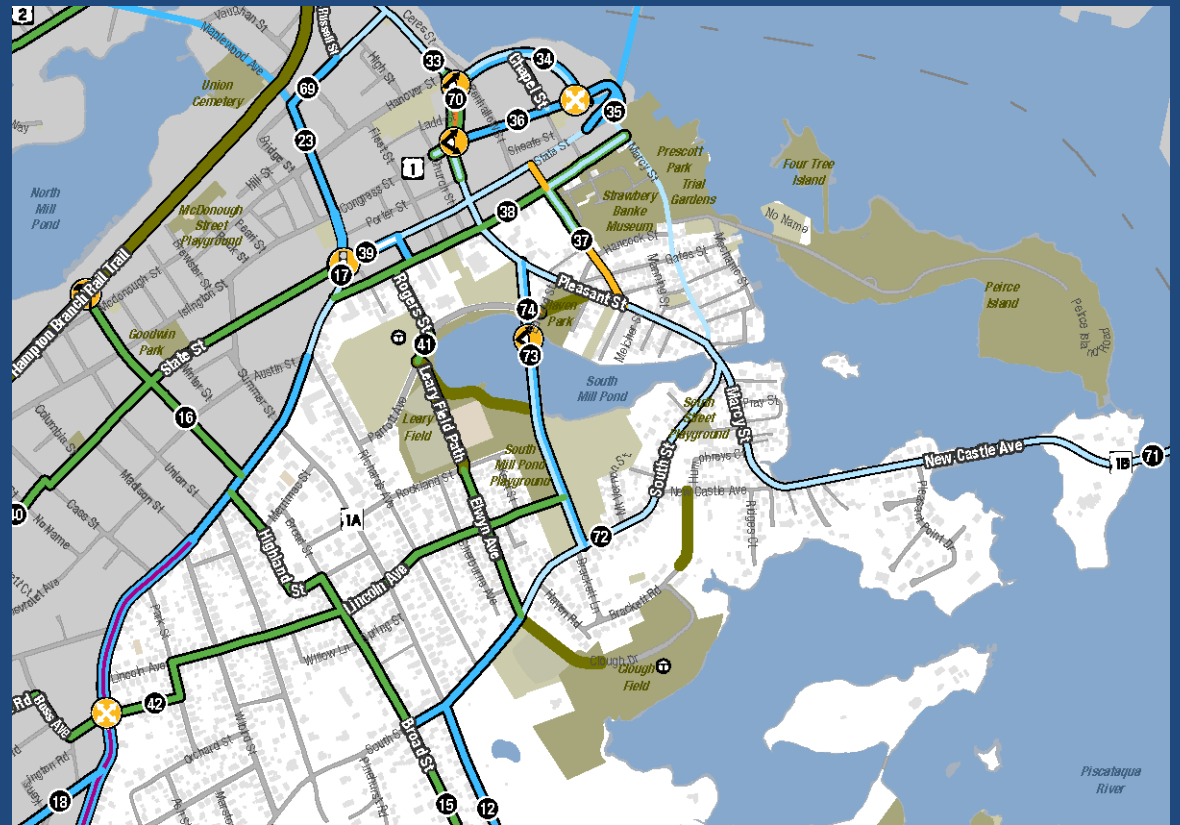
Facility Toolkit

Corridor Improvements

- Shared-Use Path
- Sidepath
- Shared Street
- Pedestrian Street
- Sidewalk
- Cycle Track
- Bike Lane
- Buffered Bike Lane
- Climbing Lane
- Contraflow Lane
- Shared-Lane Marking
- Bike Boulevard
- Signed Route








Bicycle Improvements













LEGEND








SPOT IMPROVEMENTS

-  Keep Gate Open and Clear for Ped and Bike Access
-  Crossing Improvements
-  Intersection Geometry Improvement
-  Signal Improvements
- 

PROPOSED FACILITIES

-  Shared-Use
-  Sidepath, 1-Side
-  Sidepath, 2-Sides
-  Cycle Track
-  Buffered Bike Lane
-  Bike Lane
-  Four Foot Bike Lane
-  Climbing Lane
-  Contraflow Bike Lane
- 

EXISTING FACILITIES

-  Shared-Use
-  Bike Lane
-  Shared-Lane Marking
-  Shared-Street
-  Bike-Ped Only Street
-  Bike
-  Signed Route
-  Project ID

Pedestrian Improvements



LEGEND

SPOT IMPROVEMENTS		PROPOSED FACILITIES			EXISTING FACILITIES		
	Keep Gate Open and Clear for Ped and Bike Access		Shared-Use Path		Widen Sidewalk		Shared-Use Path
	Add Crosswalks & Curb Ramps		Sidepath, 1-Side		Shared Street		Walks
	Bus Stop Improvements		Sidepath, 2-Sides		Ped/Bike-Only Street		
	Crossing Improvements		Add Sidewalk 2-Sides		Add Ped Scale Lighting		Project ID
	Curb Extensions		Add Sidewalk 1-Side		Access Management		
	Intersection Geometry Improvement		Reconstruct Sidewalk				
	Signal Improvements						
	Trailhead						

Infrastructure Recommendations

LIST OF INFRASTRUCTURE RECOMMENDATIONS

Project ID	Project Type	Area	Priority	Project Name	Project Description	Streets	Limit From	Limit To
1	Bike/Ped	2A/B:Lafayette	High	Hampton Branch Trail, Phase 2	Major regional trail connection, existing CIP project, pending State acquisition of former rail ROW. Trail provides long distance route from Hampton to Portsmouth.	Hampton Branch Trail	Greenland Line	NH33
1	Spot	4A/B:Greenland/ Borthwick, 2A/B:Lafayette	High	Hampton Branch Trail, Phase 2	Trail access location	Hampton Branch Trail	Banfield Rd	NA
1	Spot	4A/B:Greenland/ Borthwick, 2A/B:Lafayette	High	Hampton Branch Trail, Phase 2	Trail access location	Hampton Branch Trail	Ocean Rd	NA
2	Bike/Ped	2A/B:Lafayette	Low	Hampton Branch Trail connection at Ocean Rd	Widen sidewalk with reconstruction to create low-stress sidepath connection from Hampton Branch Trail to Lafayette Rd.	Ocean Rd	Lafayette Rd	Hampton Branch Trail
3	Bike	2B:Lafayette	Low	On-road route to Rye	Shared-lane markings provide guidance for experienced cyclists on constrained roadway.	Lang Rd	Rye Line	Lafayette Rd
4	Bike	2B:Lafayette	Low	Hampton Branch Trail connection at Heritage Ave	Bike lane retrofit on Heritage Ave. Long term, boardwalk/path connection from Heritage Ave at Banfield Rd directly to trail on undeveloped land.	Heritage Ave	Lafayette Rd	Banfield Rd
5	Bike/Ped	2A/B:Lafayette	High	Hampton Branch Trail connection at Constitution Ave	Sidepath with reconstruction in existing ROW - mostly undeveloped land.	Constitution Ave	Hampton Branch Trail	Lafayette Rd

Prioritization Criteria

Safety

Connectivity

Equity

Feasibility

Capital Improvement
Plan

Lifecycle Cost

Non-Infrastructure Recommendations

- The 5 Es
 - Engineering
 - Education
 - Encouragement
 - Enforcement
 - Evaluation

Safe Routes to School
Bike Friendly Business Program
Volunteer Snow Clearance
Speed Feedback Signs
Mode Share Goals
Law Enforcement Education
Walk to Work Days

Prioritization Criteria

Safety

Equity

Feasibility

Opportunity

Lifecycle Cost

Non-Infrastructure Recommendations

Priority	Recommendation	Associated City Dept
High	Promote Safe Routes to School program. Safe Routes to School participation can take the form of organizing annual walk events (such as International Walk to School Day), data collection, walking school buses, bike trains, walking and bicycling curricula, and monthly walk to school events.	School Dept
Med	Apply for Walk- and Bike- Friendly Community designations. Walk- and Bike-Friendly Community designations can be earned from the League of American Bicyclists and the Pedestrian and Bicyclist Information Center.	Planning Dept
Med	Promote / Expand Commuter Choice Program. Businesses should be asked through development agreements or voluntary programs to promote commuting options for employees. Programs may include incentives for walking and bicycling, a guaranteed ride home program, flexible hours, or other programs to encourage employees to include walking or bicycling in their commutes. Businesses can join the new Commute SMART Seacoast TMA to take advantage of their emergency ride home program and other tools and resources.	Planning Dept

Implementation

- Priority level
- Available funding
- Additional Factors to consider:
 - Existing or planned infrastructure improvements and maintenance
 - Private development projects
 - Regional, state, and federal transportation funding opportunities

Status Update

- Since adoption of the Plan:
 - 6 projects complete / under construction
 - 4 projects designed and waiting construction
 - 7 projects in various stages of design
 - 13 projects in CIP (not including above)

Status Update

- Non-Infrastructure
 - Safe Routes to School Program Coordination
 - On-Street Bike Parking
 - Bike Share Program
 - Bike Friendly Community Designation
 - Bicycle Safety Trainings
 - Commuter Choice Program (CommuteSmart Seacoast)
 - Updated City Ordinances on Bicycles
 - Zoning Amendments for Bike Parking and Shared Parking
 - Use the BPP in capital projects and private development reviews
 - City-wide sidewalk condition review
 - Annual bicycle and pedestrian counts
 - Neighborhood Traffic Calming Program