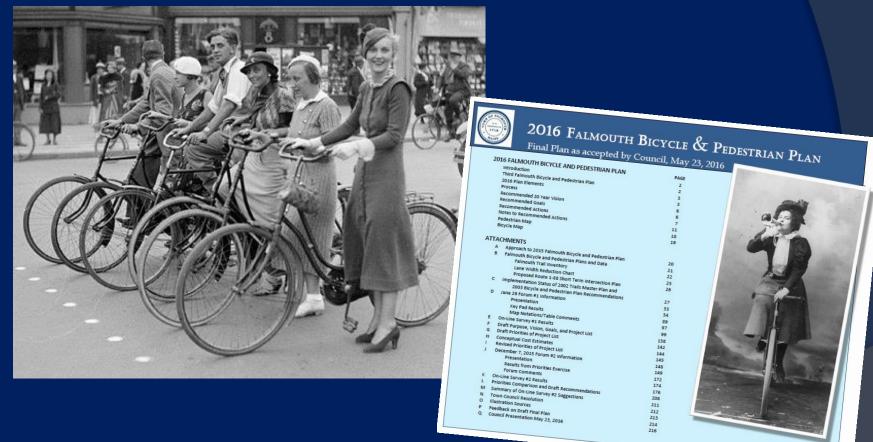
## 2<sup>nd</sup> Bicycle-Pedestrian Stakeholder Meeting February 16, 2017





# Tonight's Agenda

- 1. Review Approach for Promotional, Educational, and Behavioral Strategies
- 2. Review Current Implementation Efforts
- 3. Review Route 1
  Complete Street
  Project
- 4. Stakeholder Feedback



# Quick Recap...

- May 2016 Council adopts 2016 Bicycle and Pedestrian Plan
- July Council accepts 2-Year Work Plan and Informal Stakeholder Group



- August Call for Stakeholder Participants 60+ responses!
- October Held 1st Stakeholder Meeting 42 attendees!
- Feb. 2017 2<sup>nd</sup> Stakeholder Meeting

### Your Tasks as "Stakeholders"...

Meet 2 to 4 times per year with Town staff to:

- Review walking and bicycling **improvement progress** in Falmouth.
- Assist with development of **prioritization** criteria for specific walking and bicycling projects.
- Assist with development of promotional, educational, and behavioral strategies for walking and bicycling.
- Provide "on the ground" walking and bicycling feedback to Town staff.
- Recommend new walking and bicycling projects for future consideration.
- Help communicate the Town's walking and bicycling efforts to others in the community.

### Guide = 2016-18 Work Plan

- 20 year plan with 48 actions
- 36 actions selected for first 2 years – ambitious!

Remember - No expectation to complete all 36 by 2018!

		2016-	2018 F	almouth Bicycle and Pe			
				ed Actions	Notes		
ef#					informal recruitment is proposed among	stakeholders and	
	_	formal parlest	rlan/bicycli	st stakeholder group comprised of	general public through the following step	60	
1	Review: Create informal pedestrian/bicyclist stakeholder group comprised of Falmouth residents and other interested parties that meets 2-4 times per year						
	with	Town staff to:		-1	invite anyone interested to participate to	and ask for	
	D.	view walking and bicycling	improveme	ycling feedback to the Town. educational, and behavioral strategies	<ol><li>Send letter to Boards and Committees representative of their choice, if interest</li></ol>	ed (not mandatory), and	
	-Pro	ovide "on the ground" was	omotional	educational, and behavioral strategies			
	- As	walking and bicycling.		to making and			
	- As	sist with development of p	rioritization	criteria for specific walking and	<ol> <li>Place ad in Forecaster to invite general.</li> <li>Request 1 (or 2) Council Balsons to the</li> <li>No formal selection or appointments.</li> </ol>	by Council will be made	
	ble	bicycling projects.  Recommend new walking and bicycling projects for future consideration.  Recommend new walking and bicycling efforts to others in the					
	- Re	<ul> <li>Recommend new walking and bicycling projects for not be to others in the</li> <li>Help communicate the Town's walking and bicycling efforts to others in the</li> </ul>			for the Stakeholder group  6. All sign-ups will be invited to first me	eting.	
	- 19	mmunity.				functioning of the	
					stakeholder group will be evaluated.		
	1				This will be an ongoing activity.		
	4	Lancaca Coordinate an	nual pedest	rian and bicycling infrastructure of of Transportation (MaineDOT) and	This will be an originity account		
2	M	aintenance with the Maine	Departme	rian and bicycling nt of Transportation (MaineDOT) and		and the state of t	
					initially an inventory will be created a	ong with a prioritized action	
3	-	DA: Make Americans with	Obabilities	Act (ADA) improvements to entire	plan.		
	ni.	dewalk system, especial	_		This will be an ongoing activity.		
4	A	DA: incorporate the late rossing technologies, in	22	Route 1-Route 88 Intersection: Ma	ske bikeway improvements as recommend		
1	6	vhenever a traffic signal	-			This project is currently	In process.
5	-	inhanced Accessibility:	23	Route 1-Route 88 Intersection: Inve	estigate roundabout improvement.	W	
,	- 1	such as Suckfish Brook (	1		The second second	The 2009 Transportatio	n Master Plan evaluated this project a
1		the goal to have at least	24	Gray Road: Install sidewalk from Bu	ortland city line to Mountain/Falmouth Roy	action 21) will take a cir	ser look at it
L	$\dashv$	Traffs: Link traffs to side	-	The state of the s	reand city line to Mountain/Falmouth Ro	This project is included in	in the Route 100 Infrastructure Plan.
6	-	Traffs: Secure or extens	25	Leighton Road: Install sidewalk from	n Gray Road to Brook Road		
1 '		segments located on p	26	Falmouth Road: Install sidewalk from		This project is included in	n the Route 100 Infrastructure Plan.
1	1	Traffs: Research Town				This project is included in	n the Route 100 Infrastructure Plan.
		that have not been in	28	Gray Road: Complete bicycle lanes fi	rom Portland city line to Hurricane Road		
$\vdash$	_	Traffs: Consider regio	1		me to numcane Road	The project that is includ	ed in the Route 100 infrastructure Pla
,	0.	improvements.	29	Pan Am rail line: Install perfectable to		de la constante de la co	rom Portland City line to Libby Bridge.
H-	2	Signals: Incorporate		and School Campus across rail line	icycle connection between Community Pa	rk This project is currently b	eing studied by the Community Park
1		upgraded.	30	Woods Road: Install bicycle lane from	n Longwoods Road to Woodville Road		
	13	Striping: Create a re Increase paved sho	31			This project will first be at	tudied before a commitment is made t
		increase paved shot 31 Woodville Road: Install bicycle lant where required. Re		r designate for shared access from			
						section from Falmouth Bo	nated with actions 14 and 15. The aid to Woods Road will be repayed in
$\vdash$	14	4 Signage: Incorpora 32A Falmouth Road: Install bicycle lane fn		om Allen Avenue Extension to Woodville			
- 1		designated for big	84	Road	Avenue Extension to Woodville	This section will be repave	d in 2018 and will be studied before a
	15	Striping: Increase of road) from 4 to		part of upcoming repaying project.	n Martin's Point Bridge and Route 88 as	commitment is made to a: This project is currently in	
$\vdash$	16	Parking: Install b	41B	Middle Road: Install sidewalk from Blu			
- 1	10	stop locations.				This section will be installed	d by OceanView and planning for that
		,	42	Pleasant Hill Road: Install sidewalk from	m Allen Avenue Extension to Middle Road		
L		Foreside Estate	438	Bucknam Boards Investigate of		commitment is made	2018 and will be studied before a
	18	Foreside Estate		Intersection and northbound I-295 exit	s for a sidewalk in vicinity of Middle Road	Improvements to Burkners	pecific design.
H	19	Lunt Road: Imp		1-295 mil	ventrance ramp		
	-		48	to form t		exit/entrance ramps as well ("Nina's")	as at Middle Road intersection
	20		~	Andrews Avenue: Install sidewalk from is not shown on the map)	Route 1 to Mackworth Island (Note: This		
L		Route 1 North Route 1: Com				a specific design.	lied before a commitment is made to
	21	Complete Str		Install Dicycle lane from Li	ongwoods Road to Cumberland Town line	This project will be complete	ed as part of the road reconstruction
L	_	- Constitution of the Cons				proces (core and 201	
	_			ne to Mountain Road	esignate for shared access from compact	This section will be rehability	sted in 2010 1
		-				before a commitment is mad	le to a specific design.
			47 6	eneral recommendation: Consider regi pportunities when planning new bicycle	onal transportation connection		
			0	porturedes when planning new bicycle	e improvements	This will be an ongoing activit	ty.



Promotional, Educational, and Behavioral Strategies

# Update since last October

- Staff met with Bicycle Coalition of Maine, Falmouth PD, Falmouth Parks & Community Programs, and School Dept.
- Currently being planned are:
  - Falmouth Bike Rodeo (May 2017)
  - Educational Programs in School



## Falmouth Parks & Community Programs

- Is currently offering "Healthy Kids/Happy Kids" (HK2) programs – see catalogue
  - two sessions each spring
  - promote safe biking, proper bike maintenance and riding skills for grades K-5
- HK2 also offers a summer mountain biking racing circuit for kids in Community Park as well as at other regional locations for "meets/rides"



# Falmouth Parks & Community Programs (FPCP)



- Sponsored prior "Bicycle Rodeos"
- FPCP and Falmouth
   PD are working on joint programming
- FPCP is always
   open for
   suggestions for
   additional
   programming

# Falmouth Police Department

• Very excited to help sponsor a 2017 Falmouth Bike Rodeo!



### Falmouth Schools



- Organizes Wellness Fair in May
- Falmouth Education Foundation has organized very successful "Color Run"
- New Mountain Biking Club possibilities?
- Very interested in Falmouth Bike Rodeo at School Campus
- Willing to try bike safety classes as part of school day

# Bicycle Coalition of Maine

• Working with MaineDOT to put out information to area school about getting education in the classrooms



# Bicycle Coalition of Maine

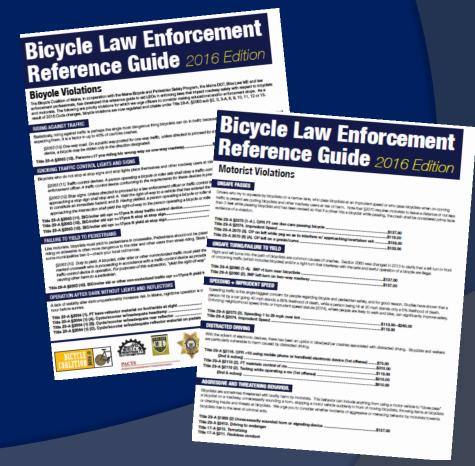
Working with Falmouth on 2017 Bike Rodeo



### BCM Law Enforcement Collaborative



- Working with area
   Police Departments –
   Law Enforcement
   Collaborative
  - Law Enforcement
     Reference Guide
  - CoordinatedEnforcement Campaign



## Bicycle Law Enforcement Reference Guide

#### **Bicycle Violations:**

- Riding Against Traffic
- Ignoring Traffic Control Lights and Signs
- Failure to Yield to Pedestrians
- Operation after Dark without Lights and Reflectors

#### **Motorist Violations:**

- Unsafe Passes
- Unsafe Turns/Failure to Yield
- Speeding/ImprudentSpeed
- Distracted Driving
- Aggressive and Threatening Behavior

# February 2017 Project Update

- 1. 2016 Walking and Biking Improvements
- 2. Current & Upcoming Town Construction Projects
- 3. Upcoming MaineDOT Construction Projects
- 4. Current Town Planning Projects
- 5. Upcoming Town Inventory Projects and Studies
- 6. Possible Projects by Others
- 7. Ongoing Town Work







# 1. 2016 Walking and Biking Improvements (since Oct. 2016)

#### 2016 Walking and Biking Improvements

### Bicycle Racks Installed at Town-Owned Properties





#### 2016 Walking and Biking Improvements

#### Middle Road Reconstruction: New Bicycle Facilities

#### Rural Bicycle Loops

- 44 Middle Road: Install bicycle lane from Longwoods Road to Cumberland Town line
- 45 Hurricane Road: Install bicycle lane from Black Strap Road to Gray Road
- 46 Blackstrap Road: Install Dicycle lane or designate for shared access from Brook Road to Hurricane Road
- 47 General: Consider regional transportation connection opportunities when planning new bicyde improvements



# 2. Current and Upcoming Town Construction Projects

### Upcoming Town Construction Projects

- Woodville Road Shared Access
- Route 100 Infrastructure project (now: 2018/19)
  - Route 100 sidewalk and bicycle lanes
  - Leighton Road sidewalk
  - Falmouth Road sidewalk
- Middle Road
   Reconstruction Phase 2
   (2017)



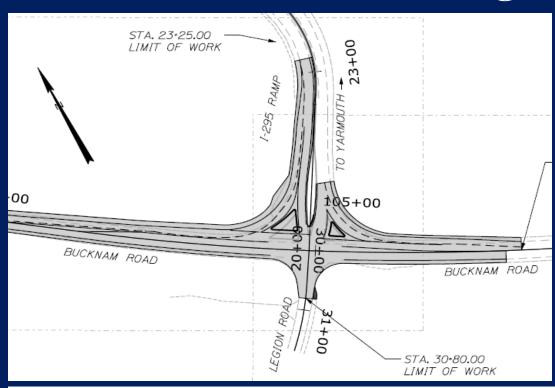


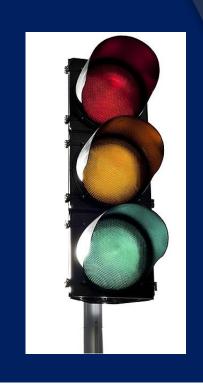
# 3. Upcoming MaineDOT Construction Projects in Falmouth

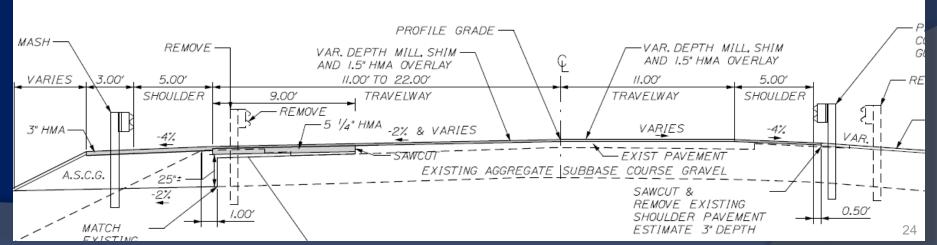
# Upcoming MaineDOT Construction Projects

- Rehabilitation of 2 bridges over Interstate295:
  - Lunt and Bucknam Road Bridges
- Signalization of I-295 northbound entrance/exit ramps
- Woods/Longwoods/Middle Rd. Roundabout
  - Town seeking support/feedback from YOU on the current/proposed design

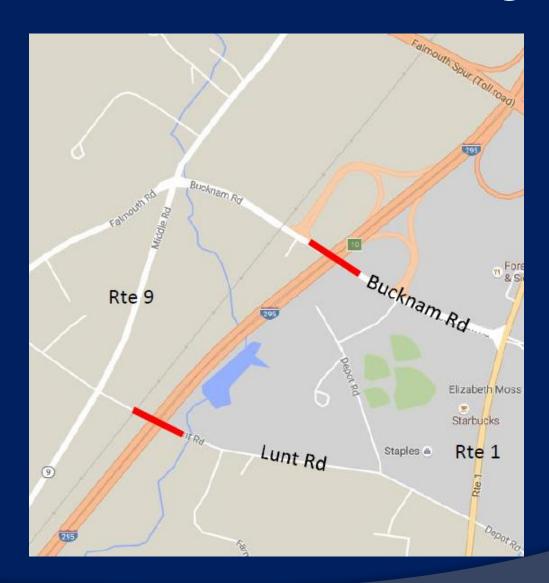
## I-295/Bucknam Rd. Signalization



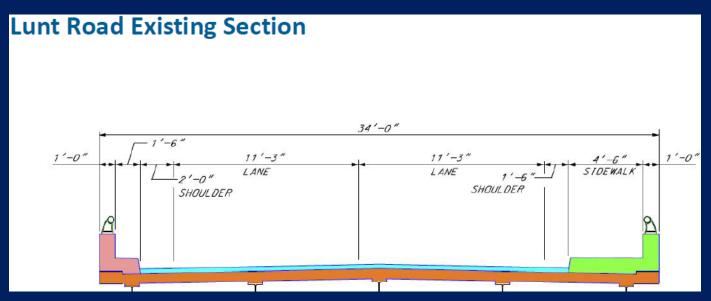


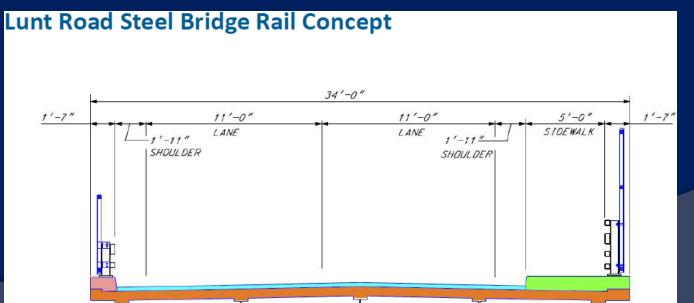


## Lunt/Bucknam Rd Bridge Renovation

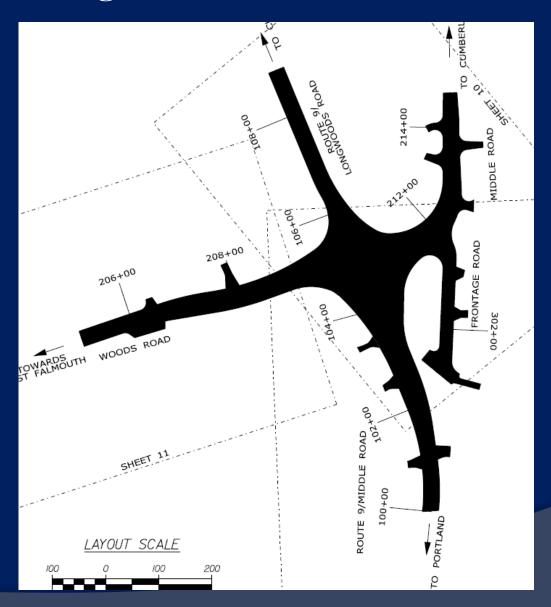


## Lunt/Bucknam Rd Bridge Renovation

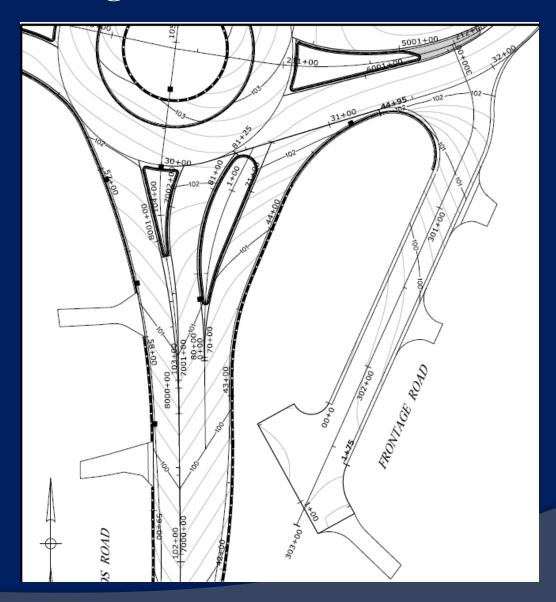




### Woods/Longwoods/Middle Roundabout



### Woods/Longwoods/Middle Roundabout



# 4. Current Town Planning Projects

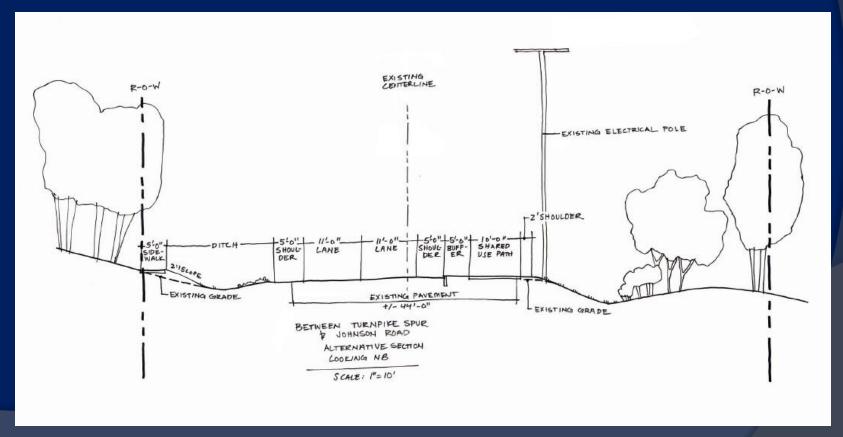
# Current Town Planning Projects

- Route 1 North Vision Plan
- Connector between Community Park and School Campus
- Open Space Plan Update
- West Falmouth Neighborhood Sketch Plan

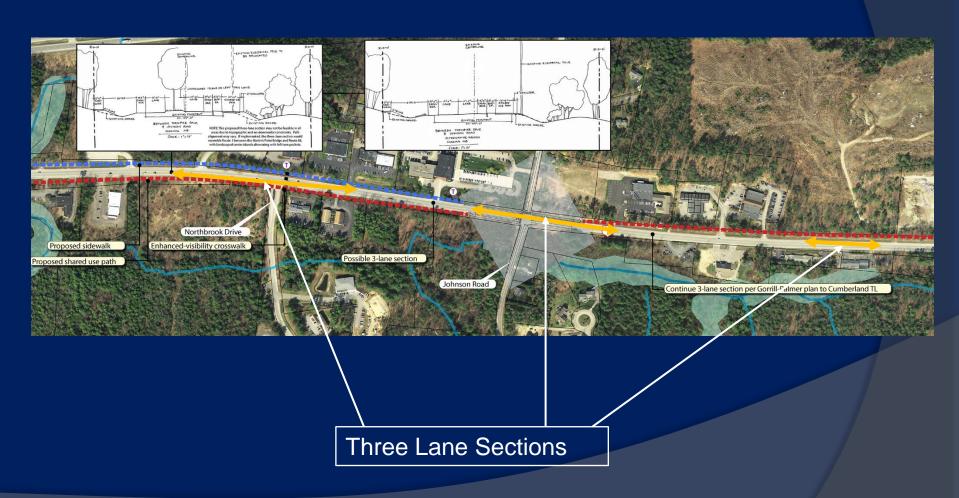


- Land Use Vision for Business and Professional District
- Infrastructure Vision for Route 1

**Committee**: Improve Bicycle and Pedestrian Facilities – sidewalk + shared use path



Committee: Two Lanes with Dedicated Left Turn Lane



Committee: Make improvements to Johnson Road intersection



### Next Steps:

- March Recommend Draft Vision
- April Public Forum #2
- April Final Recommendations
- May Presentation to Town Council

# Community Park - School Campus Connector

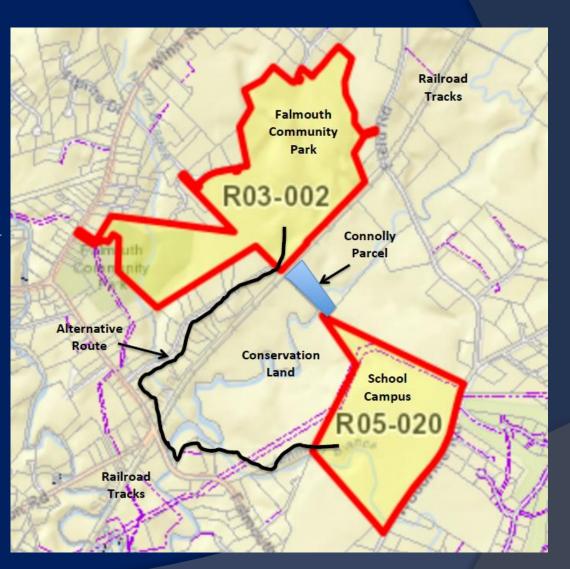
- Concept dates back to 1990's
- Assessed East Branch Recreation Path
- Explored tunnel option
- Committee formed in 2014
  - Focus: safe, accessible and legal trail connection
- Explored alternative routes and bridge option (\$1M)
- Investigated land purchase potential

## Community Park - School Campus

Connector

#### Current recommendation:

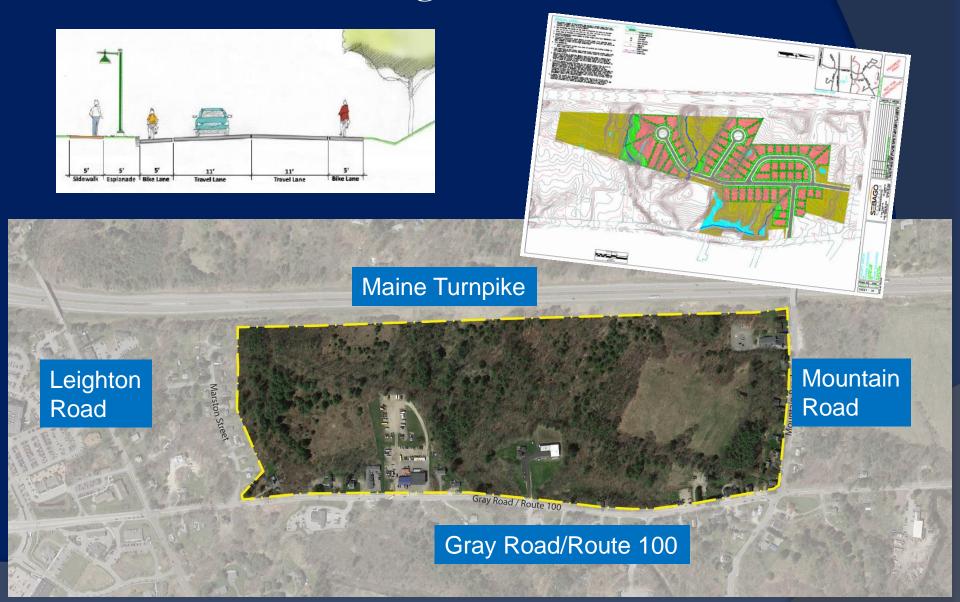
- Use Falmouth Road and Twin Pond Drive Route
- Cross East Branch and railroad at Falmouth Road
- Assess improvements required
- Acquire 5-acre
   Connolly parcel for
   future bridge, tunnel,
   at-grade connection

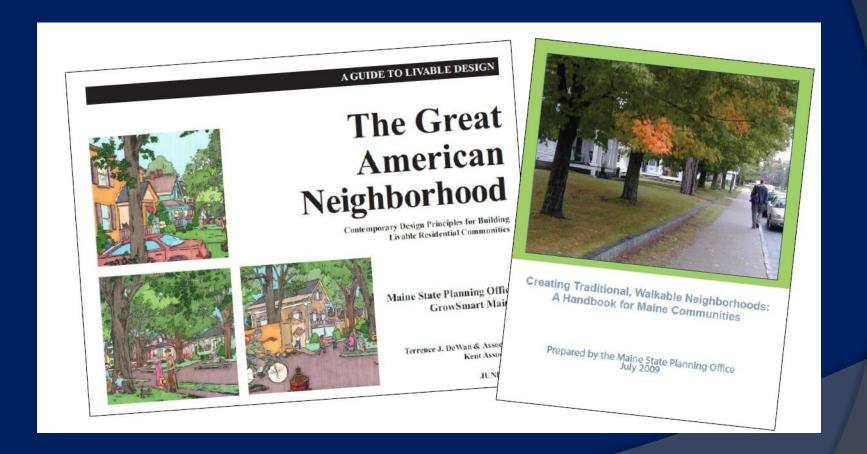


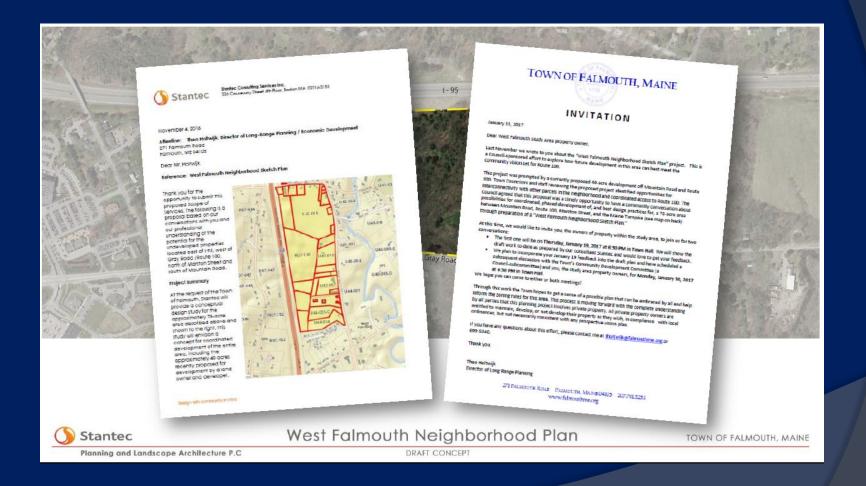
## Open Space Plan Update

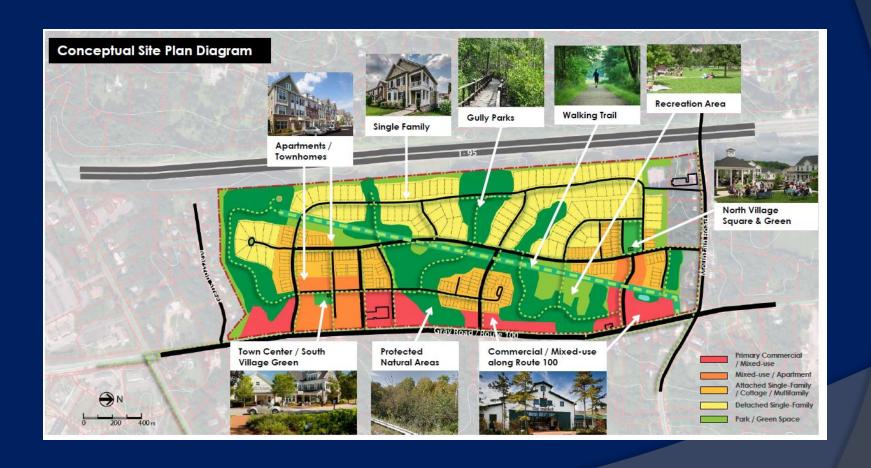
- Being prepared by Long Range Planning Advisory Committee (LPAC) with
  - Land Management and Acquisitions Committee
  - Parks and Community Programs Advisory Committee
  - Conservation Commission
  - Falmouth Land Trust
- Plan will include Trails and Outreach











# 5. Upcoming Inventory Projects and Studies

## Upcoming Inventory Projects and Studies

- ADA Accessibility Inventory
  - Make prioritized ADA improvements to sidewalks and crosswalks
- Road/Lane Width Inventory
  - Reduce lane widths and increase paved shoulder widths, where feasible
- Blackstrap Road bicycle access
- Falmouth Road bicycle lane/sidewalk

# 7. Possible Projects by Others

## Foreside Estates

- Developer has proposed 72-unit infill expansion
- Road connection to Route 1 being explored
  - Waldo's route: No property owner consent
  - PWD route: Feasible
- Estimated cost: \$670,000
- Developer-Town to work out details of Contract Zone Agreement

Action Item #18

## Foreside Estates



Action Item #18

## Village Green Walkways - OceanView



## 8. Ongoing Town Work

## Ongoing Town Work

- Coordinate annual maintenance with MaineDOT
- Use latest ADA crossing technologies
- Bicycle signage and stenciling
- Bicycle detection at traffic signals
- Increase "fog" line striping width



## 9. PACTS Projects

Need Safer Streets

- 19 pedestrian fatalities in 2015
- MaineDOT/BCM reduction effort
- PACTS "Active Transportation
   Plan" includes
   Survey and
   Outreach



## PACTS 2017 Regional Active Transportation Plan

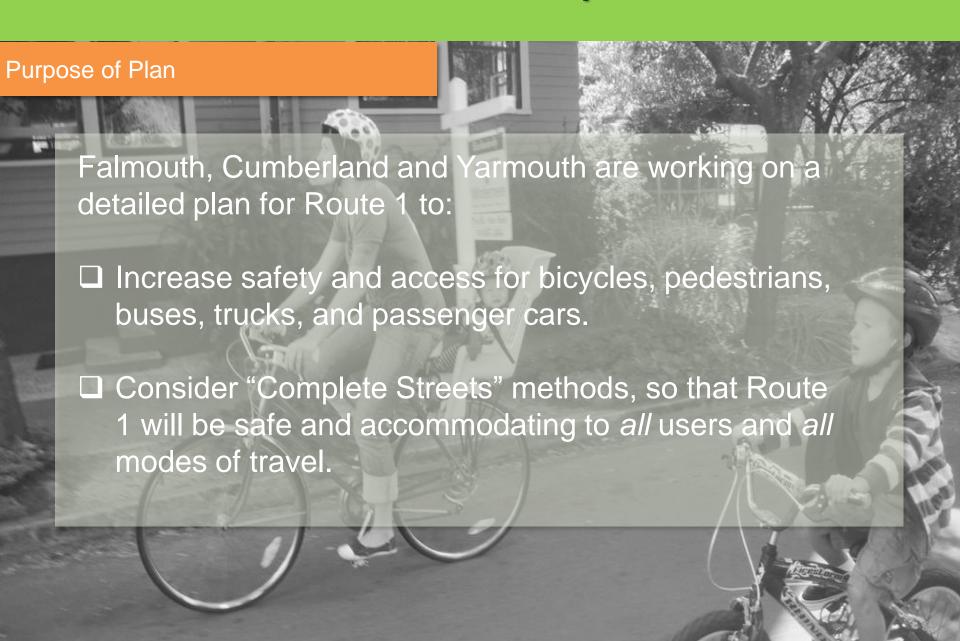
### Plan Objectives:

- Assess Accessibility and Safety Related to Schools
- Identify Barriers, Unsafe Route Components, and Routes Avoided
- Develop a Prioritization Criteria for Project Evaluations
- Prioritize Regional Projects
- Formalize a Regional Education and Enforcement Protocol



PACTS and Towns of Falmouth, Cumberland and Yarmouth

Falmouth Public Meeting February 16, 2017



#### **Consultant Team**









#### **Tom Errico, PE**

Project Manager/Complete Streets
Specialist

Jennifer Claster, ASLA

Landscape Architect

#### **Carol Morris**

Public Outreach Specialist

Christi Apicella, AICP
Transit Planner

### Scope of Work

- ☑ TASK 1: DOCUMENT REVIEW
- ☑ TASK 2: FIELD WORK AND ASSESSMENT
- ☑ TASK 3: CONCEPT RECOMMENDATIONS
- ☐ TASK 4: PUBLIC OUTREACH
- ☐ TASK 5: CONCEPT PLANS
- ☐ TASK 6: COST ESTIMATES AND FUNDING
- ☐ TASK 7: FINAL REPORT

Falmouth On-Line Survey Results, Nov. 14 Dec. 6, 2016: 554 respondents (162 Falmouth)

- □ Vehicle Safety Trouble Spots on Falmouth Route 1:
  - Route 88
  - Falmouth Turnpike Spur Exit/Entrance
  - Johnson Road

- □ Bicycling:
  - Almost 70% interested or enthusiastic bicyclists
  - But 40% would never ride a bike on Route 1
  - All 70% WOULD ride, if facilities on Route 1 were improved

### Falmouth Survey Results

### □ Walking

- 60% felt walking along Route 1 was generally safe
- But only 20% would walk without sidewalks
- Where should there be new sidewalks?
  - "Where there are stores"
  - "Enough already"
- 87% felt timing of crossing lights good; about same number said drivers usually or always yield to pedestrians

### Transit

- 3% ride the bus some of the time
- Bus shelters and good sidewalks were the most desirable upgrade
- Significant number said improvements would make no difference

Pedestrian Facilities in Route 1

South



Route One - Falmouth





### **Bicycle Facilities:**

- Which facility types are most needed and most appropriate in various locations
- Currently there is no comprehensive approach or plan to determine that.



Beth Condon Pathway, Yarmouth (BEFORE)



Beth Condon Pathway, Yarmouth (AFTER)



# Transit Facilities: Consider optimization of facilities for transit





### Falmouth - DRAFT Summary of Recommendations - January 18th, 2017

### PACTS NORTH OF PORTLAND ROUTE ONE COMPLETE STREETS CORRIDOR PLAN



#### 1. GATEWAY/FALMOUTH **FORESIDE**

Portland Line to Gilsland Farm Road

#### Segment Status

- · Sidewalk from Martin's Point Bridge to Brown Street - East
- · Landscaped islands and bike lanes installed to Gilsland Farm Road in 2016. Northbound lane is buffered near Rte. 88



#### Recommendations

Maintain recent improvements

#### 2. TRANSITION **AREA**

Gilsland Farm Road to Rte. 1/Rte. 88 Intersection

#### Segment Status

- · Highway-like character
- · Sidewalk on West side connecting to Old Rte. 1 and Providence Ave.
- · Restriped with bike lanes and northbound buffer in 2016

Recomendations

· Maintain recent improvements

Rte. 1/Rte. 88 Intersection

3. RTE. 1 & RTE. 88

INTERSECTION

#### Segment Status

- · Restriped with buffered bike lanes in 2016. Bike-ped/ shortcut to Rte 1 southbound with clear crossings
- · Sidewalk on West side to A Perfect Smile

#### Recommendations

Long term: Replace with

ort term: Work on improvi estrian character

#### 4. TRANSITION AREA

A Perfect Smile to Waldo's General Store

#### egment Status

- Shared use path with splanade and lighting on Vest side andscaped islands alternating
  - ith center turn lanes
  - riped shoulders
  - ork completed in 2016



#### Recommendations

- · Maintain recent improvements
- · Consider enhancing signage and markings for bicyclists on the path

#### 5. COMMERCIAL DISTRICT

Waldo's General Store to **Bucknam Road** 

#### Segment Status

- · Shared use path with esplanade and lighting on both sides
- · Landscaped islands alternating with center turn lanes
- · Striped shoulders
- · Work completed in 2016



Consider enhancing signage

the path

#### Recommendations Recommendations

· Maintain recent improvements · Implement recommendations of Maine Turnpike Spur redevelopment study and markings for bicyclists on

6. TURNPIKE

INTERCHANGE

Bucknam Road to Rose

Stone Driveway

Segment Status

· Wide shoulders

· Sidewalk on West side to

Norway Savings Bank

· Highway-like character

Study to remove interchange,

encourage development and

· Construct shared use path (SUP) on East side

#### 7. EMERGING COMMERCIAL DISTRICT

Rose Stone Driveway to Johnson Road

#### Segment Status

- · Two-lane highway with wide shoulders
- · Norton Brook runs along East
- · Areas of steep slopes and possbile wetlands

#### 8. RURAL-SUBURBAN COMMERCIAL

Johnson Road to Cumberland Line

#### Segment Status

- · Two-lane highway with wide shoulders
- · Norton Brook runs along East



#### Recommendations

- stall sidewalk on West side of te 1 to Johnson Rd
- ct SUP on East side
- · Possibly restripe as three lane section with ne rower shoulders and landscaped cen-
- alternating with left turn po Possible crosswalk near Northbrook Drive

#### Recommendations

- · Construct sidewalk on the south side of Johnson Rd to Middle Rd
- · Provide left turn lanes and crosswalks on Route 1 at
- Construct share use path on West
- · Re-stripe as three lane section with narrower shoulders to Cumberland

### 2010 Falmouth Transportation Plan

### Route 1 at Route 88

This location is anticipated to continue to accommodate traffic volumes for the foreseeable future. This being said, it is recommended that the Town investigate the potential for a roundabout at this location for two primary reasons. One, it will allow the Town to provide a gateway treatment for

GP Gorrill-Palmer Consulting Engineers, Inc.		P.O. Box 1237/15 Shaker Road Gray, Maine 04039
Engineering Econolisms Since 1998		207,657.6910/mailbox@gorralpalmer.com
JN 2221	Page 5	Pavement and Transportation Management Plan

## Pavement and Transportation Management Plan

traffic coming to and from the south. Two, it would open up significant real estate for future use, be it green space, developed land, or some combination of the two.

Recommendation: Prepare conceptual level plan to identify the amount of developable land which would result - if significant, this may fund the construction of a roundabout

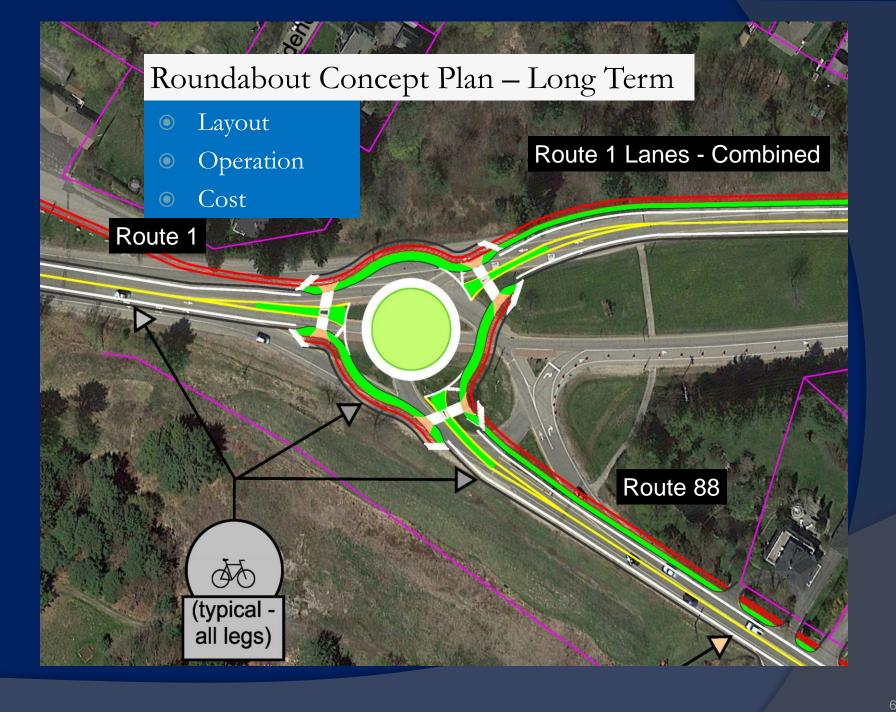
### 2014 FHWA Bicycle-Pedestrian Safety Audit

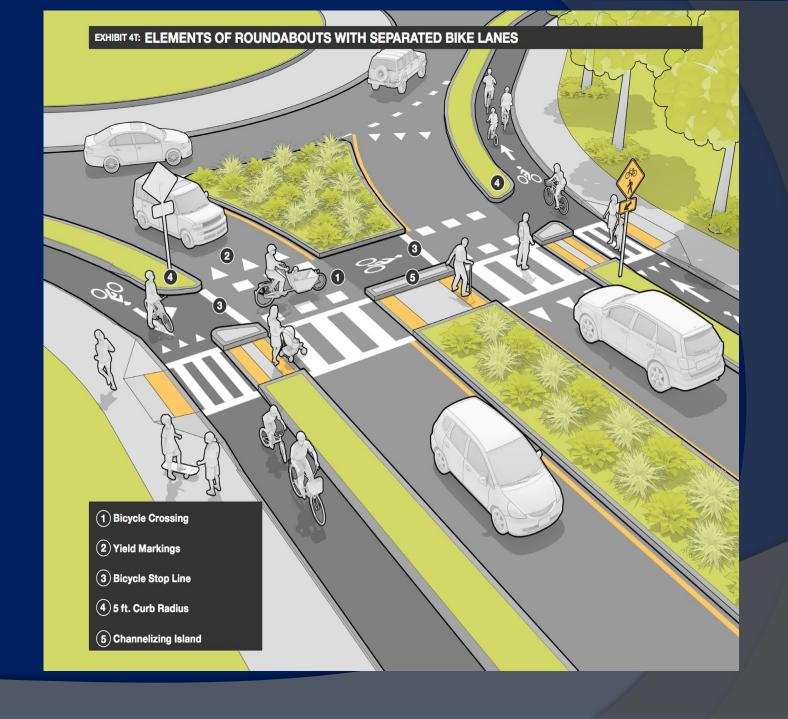
## Audit Area: Route 1 (Falmouth) and Veranda Street (Portland) corridor

Major deficiency in Falmouth = Route 1/Route 88 intersection

- "highway-oriented"
- "non-bicycle/pedestrian-friendly"

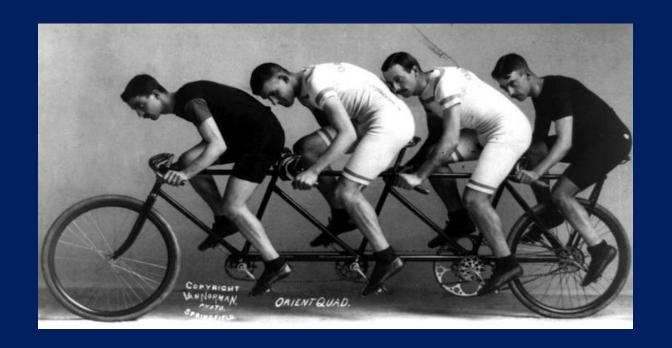






**Next Steps** 

- ☐ January/February 2017: Present initial concepts at Public Meetings in 3 towns; gather input for where to focus on detailed plans.
- ☐ February/March 2017: Revisions, draft detailed plans, initial cost estimates.
- April 2017: Finalize entire corridor Concept, detailed plans, finetune cost estimates.
- ☐ May 2017: Final Recommendations to Falmouth Town Council



## Stakeholder Questions/Feedback?

## Thank You!



Hope you got enough to take home...