To develop an overall transportation master plan for the Main Street/Route 28 corridor to address:

- Traffic Circulation
- Signing
- Truck Routing
- Parking
- Intersection Operations
- Pedestrian and Bicycle Accommodations
- Handicap Accessibility/Accommodations
Project Team

Town Manager
Julian M. Suso

Planning
Brian A. Currie, AICP
Town Planner

Engineering
Peter M. McConarty, P.E., P.L.S.
Town Engineer

DPW
Raymond A. Jack
Director of Public Works

Maureen Chlebek, P.E., PTOE
Project Manager

Colleen Medeiros, P.E.
Senior Project Engineer

Transportation Planning Group

Traffic Engineering Group

Highway Design Group

Project Study Area
Project Understanding

**Route 28**
- State Highway
- North/South Spine of Falmouth
- Link Between Commerce & Tourism Destinations

**Main Street**
- Town Owned Roadway
- Quaint Village Feel
- Link to Downtown Commerce

**Opportunities**
- Improve Connectivity
- Create Multi-Modal Facility
- Build Upon the Recent Improvements
- Coordinate with Water Line Replacement Project
- Improve Parking
- GreenDOT Initiatives Town Initiatives
- Build Upon Wayfinding Initiatives
- Coordinate with On-Going Studies (Bikeways, Sewer)
Study Tasks

Task 1: Existing Inventory and Data Collection

Task 2: Evaluate Existing Conditions & Identify Transportation Issues

Task 3: Alternatives Analysis & Recommended improvements

Task 4: Transportation Master Plan

Study Tasks

Task 1: Existing Inventory and Data Collection
- Review Prior Studies/Available Information
- Field Reconnaissance
- Traffic Counts
- Crash Data
- Parking & Curb Space
Study Tasks

Task 2: Evaluate Existing Conditions & Identify Transportation Issues

- Identify High Crash Locations
- Intersections with Poor Traffic Levels of Service
- Missing Links in Pedestrian & Bicycle Network
- Parking Short Falls

Task 3: Alternatives Analysis & Recommended Improvements

- Signage & Wayfinding
- Parking & Curb Evaluation
- Truck Routing
- Intersection Operations & Traffic Circulation
- Bicycle, Pedestrian & Handicapped Access – Ability Recommendations
Study Tasks

Task 4: Transportation Master Plan Report

Project Schedule

We Are Here

Task 1  Task 2  Task 3  Task 4

Community Involvement Throughout Project
Falmouth Existing Conditions

Previous Studies

- Spring Bars Road Assessment
- Local Comprehensive Plan
- Transportation Master Plan (1993)
- Davis Straits/Jones Road FDR
- Various traffic studies (i.e. CVS, Atria, FW Webb)
Ongoing Studies

- Falmouth Bikeways (Cape Cod Commission)
- Davis Straits Study (Cape Cod Commission)
- Sewer Line Upgrade

Existing Conditions

Road Classification

Legend:
- Local Roadway
- Recreational Trail
- Urban Principal Arterial
- Urban Minor Arterial
- Urban Collector
**Existing Conditions**

**Traffic Counts**

- **Traffic Volumes - Peak**
  - June Daily Traffic Volumes
    - Counted:
      - 15,100
      - 17,600
    - To be counted:
      - 13,250
      - 12,800
      - 17,600
      - 18,400
      - 15,400
      - 11,000
      - 15,100
Existing Conditions
Traffic Volumes - Daily

Randolph, MA example ADT

Route 28 ATR Summary
Randolph, MA Sec. 2023

June Daily Traffic Volumes

RT 28 East of Maravista Ave Ext

Average Daily Traffic (ADT)
Existing Conditions
Traffic Volumes - Peak

A.M. Peak Volumes (Summer)

Existing Conditions
Traffic Volumes - Peak

P.M. Peak Volumes (Summer)
Existing Conditions
Pedestrian Volumes

A.M. Peak Volumes (Summer)

Existing Conditions
Pedestrian Volumes

P.M. Peak Volumes (Summer)
Existing Conditions
Bicycle Volumes

A.M. Peak Volumes (Summer)

Existing Conditions
Bicycle Volumes

P.M. Peak Volumes (Summer)
Existing Conditions
Crash History – Roadway Segments

Legend
- # of crashes
- # of Personal Injury
- Above Average Crash Rate

Existing Conditions
Crash History – Fatal Crashes

Legend
- # of vehicles
- # of fatalities
- Accidents Involving Ped/Bike Crashes
### Crash History – Pedestrian & Bicycle

<table>
<thead>
<tr>
<th># of crashes</th>
<th># of ped/bike crashes</th>
<th>Fatality</th>
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<tbody>
<tr>
<td>100</td>
<td>10</td>
<td>55</td>
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<tr>
<td>20</td>
<td>1</td>
<td>22</td>
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<td>177</td>
<td>33</td>
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<td>11</td>
<td>2</td>
<td>11</td>
</tr>
<tr>
<td>15</td>
<td>6</td>
<td>15</td>
</tr>
</tbody>
</table>

### Crash History – Barnstable County Ranking

**Top Corridor Crash Locations by EPDO Score**

<table>
<thead>
<tr>
<th>CCC RANK</th>
<th>LOCATION</th>
<th>CRASH COUNT</th>
<th>EPDO</th>
<th>CRASH RATE</th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>Route 28 (Teaticket Highway) at Falmouth Mall</td>
<td>62</td>
<td>114</td>
<td>3.4</td>
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<tr>
<td>18</td>
<td>Route 28 (Teaticket Highway) at Stop &amp; Shop Plaza</td>
<td>46</td>
<td>70</td>
<td>2.5</td>
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<tr>
<td>22</td>
<td>Route 28 (Teaticket Highway) at Maravista Avenue</td>
<td>34</td>
<td>66</td>
<td>1.9</td>
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<tr>
<td>23</td>
<td>*Route 28 (Davis Straits) at Dillingham/Spring Bars Road</td>
<td>35</td>
<td>63</td>
<td>1.9</td>
</tr>
<tr>
<td>46</td>
<td>*Route 28 (Teaticket Highway) at Jones Road</td>
<td>19</td>
<td>39</td>
<td>0.9</td>
</tr>
<tr>
<td>47</td>
<td>Route 28 (Teaticket Highway) at Trotting Park Road</td>
<td>14</td>
<td>38</td>
<td>0.9</td>
</tr>
<tr>
<td>51</td>
<td>*Jones Road at Gifford Street</td>
<td>12</td>
<td>36</td>
<td>0.7</td>
</tr>
</tbody>
</table>

*Study Area Intersection

**MassDOT Average Crash Rates:**
- Signalized: 0.80 (Statewide); 0.77 (District 5)
- Unsignalized: 0.60 (Statewide); 0.58 (District 5)
Existing Conditions
Intersection Layouts/Traffic Control

Route 28 at Dillingham Avenue/Spring Bars Road

Existing Conditions
Intersection Layouts/Traffic Control

Route 28 at Palmer Avenue/Locust Street
Existing Conditions
Intersection Layouts/Traffic Control

Route 28 at Jones Road/Ter Heun Drive

Existing Conditions
Pedestrian Accommodations

Existing Infrastructure
Pedestrian Accommodations

**Deficiencies**

- Missing Sidewalk: Western Side of Route 28
- Outdated Pedestrian Signal Heads
- Missing Crosswalk Link

Existing Bicycle Accommodations

**Existing**

- [Map with existing bicycle routes and facilities]
Existing Conditions
Bicycle Accommodations

Planned/Desired

Town of Falmouth
Plan for an Improved Transportation Network for Bicycling

Existing Conditions
Transit Accommodations

Bus Routes
Parking & Curb Space

On & Off Street Parking

What is Wayfinding?

System of signs

- Circulation for vehicles, pedestrians, bicycles
- Strengthen connections between destinations, points of interest, public spaces

Orientation and Placemaking

- Graphic identity/brand
- Interpretive displays
- Communication
- Audience
  - Residents, visitors, workers, means of travel
Existing Conditions
Wayfinding Signage

Existing Conditions
Wayfinding Examples

Information

Direction

Identification
Community Involvement Throughout Project

Next Steps

- Identify transportation issues
- Begin to develop solutions
Comments/Questions

QUESTIONS?
COMMENTS?