Study Purpose

- To Assist the Town of Bedford with creating a Pedestrian and Bicycle Master Plan
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Outreach Efforts

- Local Officials
- Survey Monkey on line (244 responses)
- On line Map Tool (143 responses)
- Olde Towne Day
- Farmers Market
- Conservation Commission
- High School Super PE Class
- Developers
- Cyclists
Survey Results

- **THANK YOU!!!!**

- We need this!! I never let my kids leave the neighborhood on a bike. We leave town to go riding! Windham, Manchester, Nashua, etc.

- Focus on the Schools and Recreational areas. Also the Library and Town Center.

- Route 101: Safest/Terrible place to ride.

- Start with High School area: Kids park away and walk to the School for a variety of reasons.

- Make loops for walking and riding.

- Wallace Road is a key connection.
Traffic Volume

AADT
- No Data
- 1,000 or less
- 1,001 - 5,000
- 5,001 - 10,000
- 10,001 - 20,000
- 20,001 - 30,000
- Over 30,000
Map Tool Results – Positive/Neutral Impacts
Map Tool Results – Negative Impacts
Map Tool Results – Bike Comments
ROUTE 101 SECTION - BIKE LANE ALTERNATIVE

CURRENTLY PROPOSED SECTION

ALTERNATIVE SECTION
## Types of Bike Facilities Considered

<table>
<thead>
<tr>
<th>Multiuse Path</th>
<th>Bike Lane</th>
<th>Sharrow</th>
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</thead>
</table>
| • 10’ asphalt multi-use path in each direction: **$1.4M per mile** *(VTrans Report on Shared-Use Path and Sidewalk Unit Costs, 2010)* | • 4’ – 5’ bike lane, with pavement extension: **$200k - $300k per mile**<br>• Cost estimate for marking bike lanes on existing shoulders: **$4,000 per mile** *(striping and signing only) *(VTrans Report on Shared-Use Path and Sidewalk Unit Costs, 2010)* | • Cost estimate for sharrow pavement markings on existing roadways: **$3,000 - $6,000 per mile** *(including labor & design & signage) *(MassDOT, 2008; USDOT, 2012)*
| | | • Pavement marking every 250 feet *(MUTCD)*
| | | • Appropriate for streets at 35mph or less
| | | • Shared width: 10’ – 14’
## Types of Pedestrian Facilities

### Curbed Sidewalk
- Average cost for 5’ concrete sidewalk with granite curb: **$200 per foot**
- Includes cost of sidewalk construction + incidental costs to construction, such as pavement markings, new signs, drainage, and landscaping
  
  *(VTrans Report on Shared-Use Path and Sidewalk Unit Costs, 2010)*

### Shoulder Widening
- Cost estimate for widening one mile of road 4’ on each side: **$200k - $300k per mile**.
  *(VTrans Report on Shared-Use Path and Sidewalk Unit Costs, 2010)*
## Major Links

<table>
<thead>
<tr>
<th>All users</th>
<th>Most users</th>
<th>Some users</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Curbed Sidewalk</td>
<td>• Curbed Sidewalk</td>
<td>• Wide Shoulders</td>
</tr>
<tr>
<td>• Separated Bike Lane</td>
<td>• Striped Bike Lane</td>
<td>• Sharrow</td>
</tr>
<tr>
<td>• Route 101</td>
<td>• Wallace Rd</td>
<td>• Joppa Hill Rd</td>
</tr>
<tr>
<td>• South River Rd</td>
<td>• Meetinghouse Rd</td>
<td>• Campbell Rd</td>
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<tr>
<td></td>
<td>• County Rd</td>
<td>• Hardy Road/Jenkins Rd</td>
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<td></td>
<td>• Nashua Rd</td>
<td>• Liberty Hill Rd</td>
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<tr>
<td></td>
<td>• Old Bedford Rd/Holbrook Rd</td>
<td>• Meadow Rd</td>
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<tr>
<td></td>
<td>• Donald St</td>
<td>• Bedford Center Rd</td>
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<tr>
<td></td>
<td>• Palomino Ln</td>
<td>• Back River Rd</td>
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<tr>
<td></td>
<td>• New Boston Rd (Bike)</td>
<td>• Patton Rd</td>
</tr>
</tbody>
</table>
Education

- Increase safety knowledge and promote confidence
- Messaging - Changing attitudes about cycling and walking
Regulatory Approaches

- Major education/signage program.

- The recommended improvements/adjustments are primarily in the public right of way.

- Adjustments will focus on Subdivision Regulations and Site Plan Review Regulations, both within the purview of the Planning Board.

- Looking to have new developments include sidewalks (both along roads and internally) as part of the PB project review process.

- Will develop appropriate road design standards so that paved shoulders are part of any local road reconstruction (e.g. Meetinghouse Road).

- Paved bike lanes likely restricted to State Highways (101 and South River Road).
Next Steps

- Questions/Comments from the Committee

- Revise as necessary for final comments on November 20

- Finalize Report

- Present to Planning Board at a date to be determined

- Present to Town Council at a date to be determined

- IMPLEMENT and get out walking and riding!!