Pine Point Area
Transportation Master Planning
Public Meeting
July 18, 2017
Pine Point Area
Transportation Master Planning
Public Meeting
July 18, 2017

Mike Shaw - Public Works Director
Angela Blanchette – Town Engineer
Jay Chace – Planning Director
John Adams – Milone & MacBroom
Regina Leonard – Milone & MacBroom
Mary McCrann – Woodard & Curran
Dave Senus – Woodard & Curran
Pine Point Area
Transportation Master Planning

Presentation Agenda
• Overview of Study Area
• Complete Streets Policy / Example
• East Grand Ave Existing Conditions / Project Need
• East Grand Ave Proposed Sections
• Pine Point / East Grand Intersection Options
• Pine Point Area Master Planning
• Next Steps / Timeline
Pine Point Area
Transportation Master Planning

“Complete Street” Improvement for:
- Motorists
- Pedestrians
- Cyclists

...while improving utility infrastructure & the storm drain system
Pine Point Road – Existing Conditions
Pine Point Road – Proposed Conditions
East Grand Avenue
Preliminary Design
East Grand Avenue
Preliminary Design

Street Characteristics
• High volume during summer
• Important connector to Old Orchard Beach
• Opportunity for Complete Street

Existing Condition Issues
• Pavement
• Curb Reveal
• Limited Bike / Ped Amenities
• Drainage System
• Water Distribution System
Scarborough applied for funding in February 2017.

Work to include roadway reconstruction, preservation, modernization and expansion of the East Grand Avenue corridor.

Application DID NOT receive funding – East Grand is not a PACTS identified priority corridor.

Scarborough is exploring other funding opportunities.
EXISTING FEATURES:

- Sidewalk on land-side
- On-street parking on the land-side of the street
- Wide east and westbound drive lanes
- No bicycle lanes or shared lane markings

NOTES:

- No bicycle accommodations
- Lack of pedestrian amenities on water-side limits connectivity and safety
- Wide drive lanes facilitate speeding

VOTE FOR
NO CHANGES:

EXISTING CONDITIONS
EAST GRAND AVENUE IMPROVEMENTS
OPTION A FEATURES:
- Sidewalks on both sides
- On-street parking preserved on the land-side of the street
- Bikes share westbound lane with vehicles
- Dedicated bike lane heading east

PROS
- Pedestrians can use both sides of the street
- Improved connectivity
- Dedicated bicycle lane created

CONS
- Bicycle accommodations are not consistent
- Limited space for signage and mailboxes
- Mail delivery may impact bike lane

OPTION A
EAST GRAND AVENUE IMPROVEMENTS

VOTE FOR OPTION A:
East Grand Avenue A
OPTION B FEATURES:
- Sidewalk widened on land-side of street
- On-street parking preserved on the land-side of the street
- Bikes share both lanes with vehicles
- Wide multi-use path on water-side

PROS
- Pedestrians can use both sides of the street
- Wide multi-use path on south side
- Improved on-street bicycle accommodations

CONS
- Special care needed for driveways and curb cuts along multi-use path
- Signage and mailboxes impact usable width
- Mail delivery

VOTE FOR OPTION B:

EAST GRAND AVENUE IMPROVEMENTS
OPTION C FEATURES:
- Sidewalks on both sides of street
- On-street parking preserved on the land-side of the street
- Bikes share both lanes with vehicles
- Esplanade with street trees on waterside of street

PROS
- Pedestrians can use both sides of the street
- Improved connectivity
- Esplanade for buffer, snow, trees, signage, mailboxes

CONS
- Standard sized sidewalks will not accommodate bicycles
- Esplanade requires maintenance during growing season
- Mail delivery

VOTE FOR OPTION C:

OPTION C
EAST GRAND AVENUE IMPROVEMENTS
OPTION D FEATURES:
- Sidewalk on land-side of street
- On-street parking preserved on the land-side of the street
- Dedicated bike lanes on both sides of the street

PROS
- Preserved on-street parking
- Improved on-street bicycle accommodations
- Room for signage and mailboxes

CONS
- Pedestrians limited to land-side of the street
- No improved pedestrian connectivity on water-side

VOTE FOR OPTION D:

OPTION D
EAST GRAND AVENUE IMPROVEMENTS
East Grand Avenue D

WATER-SIDE (South)

4' Bike lane
5' Drive lane
10' Drive lane
10' Bike lane
8' Parking lane
6' Sidewalk
5 Minute East Grand Avenue Sticker Exercise

Time is Up!
Intersection

Preliminary Design
NOTES:

- Lack of pedestrian & bicycle infrastructure
- Complex intersection lacks clarity and has numerous conflict points
- High speed entry from Pine Point Road onto East Grand Avenue

VOTE FOR
NO CHANGE:

EXISTING
PINE POINT INTERSECTION CONCEPTS
INTERSECTION - OPTION A
PINE POINT INTERSECTION CONCEPTS

PLAN VIEW

OPTION A FEATURES:
- Simplest intersection layout
- Single point intersection
- Provides stop condition at all four approaches
- Safest option for bikes and pedestrians

PROS
- Traffic calming
- Creates green space
- Formal bike lanes and pedestrian elements
- Simplified intersection

CONS
- Some queuing / delays on approaches
- Priority of right-of-way
- Driveway disruption

CONTROLLED FOUR-WAY STOP

VOTE FOR OPTION A:
PLAN VIEW

INTERSECTION - OPTION B
PINE POINT INTERSECTION CONCEPTS

OPTION B FEATURES:
- Roundabout style
- Bikes share lanes through intersection
- Configuration creates opportunities for gateway features and green space
- Traffic calming

PROS
- Lower speeds
- Reduces severe accidents
- Simplifies intersection
- Creates green and pedestrian space

CONS
- Pedestrians crossing against yield
- Most expensive option
- Does not stop traffic / vehicle movement
- Driveway disruption

VOTE FOR OPTION B:
INTERSECTION - OPTION C
PINE POINT INTERSECTION CONCEPTS

OPTION C FEATURES:
- T-style intersection configuration
- Dedicated bicycle lanes through intersection
- Free flow traffic on Pine Point through to East Grand Avenue

PROS
- Simplifies intersection and clarifies traffic movement
- Provides bike and pedestrian facilities
- Creates green space

CONS
- Free flow traffic on Pine Point / East Grand Avenue
- Pedestrians crossing against free flow traffic
- Driveway access may be disrupted

VOTE FOR OPTION C:
## SAMPLE OF DECISION MATRIX
### PINE POINT/EAST GRAND AVE MASTER PLAN DECISION MATRIX
#### PRELIMINARY INTERSECTION LAYOUT

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>TRAFFIC OPERATIONS</th>
<th>PEDESTRIAN CONSIDERATIONS</th>
<th>CONTEXT SENSITIVE CONSIDERATIONS</th>
<th>LEVEL OF SUPPORT</th>
<th>SCORING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 POINTS (1 PTS/SUBCATEGORY)</td>
<td>30 POINTS (10 PTS/SUBCATEGORY)</td>
<td>30 POINTS (10 PTS/SUBCATEGORY)</td>
<td>15 POINTS (5 PTS/SUBCATEGORY)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CATEGORY SCORE</td>
<td>CATEGORY SCORE</td>
<td>CATEGORY SCORE</td>
<td>CATEGORY SCORE</td>
<td>SCORE</td>
</tr>
<tr>
<td>Existing Conditions</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4-Way Intersection</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Modified Tee</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Roundabout</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

11/14/2016
5 Minute Pine Point Intersection Sticker Exercise

Time is Up!
Pine Point Area
Transportation
Master Planning

Coastal Resiliency
Considerations
Sea Level Adaptation Working Group
Road Infrastructure Assessment
Pine Point Area
Transportation Master Planning

Master Planning Considerations

• Wayfinding/Signage to public landing & public parking?
• Sidewalks needed on Jones Creek Drive and/or King Street?
Sidewalks?
Next Steps:

- Compile information gathered at November and July Public Meetings & post to Town website
- Collect and compile drainage information in the overall study area
- Prepare summary report
- Seek funding

More information about Scarborough’s Complete Streets policy can be found here:
http://www.scarboroughmaine.org/departments/planning-codes/planning/complete-streets
THANK YOU!

Contact: Angela Blanchette, PE | Town Engineer
ablanchette@ci.scarborough.me.us