Route 40 Transit-Plus Multimodal Corridor Project

Seattle Transit Advisory Board Meeting
August 26, 2020
Presenters & Moderator

Kay Yesuwan
Seattle Department of Transportation
Project Developer

Virginie Nadimi
King County Metro
Transportation Planner

Jeff Sangillo
CDM Smith
Transportation Planner
Agenda

1. Route 40 Background
2. Project Objective & Scope
3. What we heard to date
4. Concepts Ideas, Request for Board Input
5. Current Schedule & Funding
6. Next Steps
Route 40 Introduction

- 13.5 miles long
- Buses scheduled every 5-10 min during peak periods
- Bus stops every ¼ mile

LEGEND
- Route 40, Makes all regular stops.
- Transfer point
- RapidRide route
- Link light rail station
3 million annual rides

Route 40 accounts for 3% of all Metro ridership (2019)

Even during COVID19, Route 40 is still one of Metro’s highest ridership routes at about 3,900 average weekday riders (as of June 15, 2020)
## Population and Passenger Types

- Over 95,000 people live within 1/2 mile of the Route 40 corridor

<table>
<thead>
<tr>
<th>Passenger Types</th>
<th>Percent of Route 40 ORCA rides</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult</td>
<td>81%</td>
</tr>
<tr>
<td>Low Income</td>
<td>6%</td>
</tr>
<tr>
<td>Disabled</td>
<td>5%</td>
</tr>
<tr>
<td>Senior</td>
<td>4%</td>
</tr>
<tr>
<td>Youth</td>
<td>4%</td>
</tr>
</tbody>
</table>
Average Route 40 Weekday Bus Speeds - April 2019

Transit Speed

Morning Peak (6-9am)  Midday (9-3pm)  Afternoon Peak (3-6pm)

Northbound  Southbound

15  15  14  15  13  12

Miles Per Hour
On-Time Performance

Transit travel time reliability is the degree to which transit travel time along the corridor is uniform and predictable.

Average % of Late Trips (Weekdays, April 2019)

Metro’s minimum all-day on-time performance standard: <20%
Route 40 Transit Plus-Multimodal Corridor Project Objectives

- Make bus trips faster and more reliable, now and in the future
- Make it safer and easier to get to and on the bus
- Respond to community needs and priorities
- Fulfill Levy to Move Seattle commitments
Route 40 TPMC Target Study Segments
Who We Heard From

- Online survey opened 2/24/2020 to 4/3/2020, received 1060 responses
- King County operator ride along and survey
- 40 attendees of 6/30/2020 virtual meeting
- SPAB & SBAB meetings
What We Heard So Far

ROUTE 40 RIDER PRIORITIES

1. Bus speed and reliability improvements
2. Walking and bicycle accessibility improvements and new crossings
3. Keeping cars and freight moving
4. Reducing traffic speeds for safety reasons
5. Keeping parking along the route
What We Heard So Far

SPEED AND RELIABILITY PROJECT IDEA RANKINGS

1. Designated bus-only lanes
2. Queue jumps
3. Transit signal priority timing improvements
4. Stop relocation or stop consolidation
5. Bus bulb-outs
Route 40 Concept Ideas - Bus Lane Options

Legend:
- Bus Lanes under consideration
- Route 40. Makes all regular stops.
- Transfer point
- RapidRide route
- Link light rail station
Route 40 Concept Ideas - Transit Stops

- Transit stops
  - Bus bulb outs
  - Stop relocation/consolidation
  - Extended bus zone
- Bus Lanes
- Roadway
  - Queue jumps
  - Turn restrictions
  - Channelization
  - Curb bulbs
Route 40 Concept Ideas - Roadway

- Reduced speed limits
- Transit signal priority
- Queue jumps
- Turn restrictions
- Channelization
- Curb bulbs
Route 40 Concept Ideas - Walking & Biking

WALKING AND BIKING PROJECT IDEA RANKINGS

1. Improved sidewalks and crosswalks
2. Accessible ramps and curbs at intersections
3. Improved bike paths and crossings
4. Improved bike connections
Westlake Segment - DRAFT
- Project 3: Protected Bike lane at N 34th St
- Project 12: Restrict right turns from NB Fremont to EB 35th St
- Project 15: Improve and expand stops at 34th St
- Project 17: Restrict all left turns at intersection of Fremont & N 34th, and move remaining NB Fremont to WB 34th left turn access to Evanston
Project 18: Bus Lanes on Leary Ave NW between Market and 15th

Project 19: Consolidate bus stops; connect to greenway crossing; add bulbs
Ballard/ Market Segment (Market/22nd/Leary) - DRAFT
Route 40 TPMC Project Schedule

- **Planning**
  - **What we do:** Collect traffic and transit data, review previously completed studies, develop concepts and gather community experiences to define options.

- **Design**
  - **What we do:** We work with the community and produce a more detailed project design.

- **Construction**
  - **What we do:** We construct the project and keep the community informed on the latest construction updates, schedule, and expected impacts.
## Route 40 TPMC Project Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move Seattle Levy</td>
<td>$9.5M</td>
</tr>
<tr>
<td>Local</td>
<td>$0.1M</td>
</tr>
<tr>
<td>Leverage</td>
<td>$3.4M</td>
</tr>
<tr>
<td>Identified Leverage</td>
<td>$10.0M</td>
</tr>
<tr>
<td><strong>Total Budget</strong></td>
<td><strong>$23.0M</strong></td>
</tr>
</tbody>
</table>
Next Steps

- Use community feedback to shape draft concepts
- Perform technical evaluations of concepts, including operational review, cost estimating, and construction feasibility
- Partner agency and stakeholder coordination on revised concepts
- Advance select concepts to 30% design
- Future opportunities for input
Comments/Questions?

Route40@seattle.gov
http://www.seattle.gov/transportation/route40