North Downtown Mobility Action Program (NODO MAP)

Investments around North Downtown and the New Arena at Seattle Center
Presentation Overview

• NODO Mobility Action Plan finalization
  • Scope
  • Schedule
  • Funding

• Highlights on project development process:
  • Broad Street Complete Streets
  • Protected Intersection at Dexter Ave N / Thomas St
  • Seattle Center to Waterfront Greenway

• Next Steps

• Websites
NODO MAP Finalization and Execution Plan Development
Oct. 2018 to Dec. 2019

• Prioritize Tier 1 projects
  • Assess how projects support guiding principals
  • Apply community input, agency support, system needs
  • Develop planning-level cost estimates for recommended projects
  • Leverage improvements by others
  • Determine schedule of projects based on anticipated new arena opening date (mid-2021) and other projects’ schedules

• Refine project scope, assume project delivery method, identify team members, refine schedule and cost

• Update funding sources and partnerships to contribute to projects

• Finalization of NODO Mobility Action Plan (December 2019)
NODO MAP Priority Projects

NODO MAP 10-YEAR INVESTMENTS

A 1st Ave N and Queen Anne Ave N Complete Streets (e.g., transit-only lanes, transit queue jump, signal upgrades)
B 1st Ave and Broad St Complete Street Extension (e.g., protected bike lanes, pedestrian crossing, signal upgrades)
C-west Thomas Street Greenway: Seattle Center to Waterfront Greenway
C-east Thomas Street Greenway: Protected Intersection at Dexter Ave N and Thomas St
D Pedestrian Improvements in Belltown
E Monorail Improvements Seed-Funding
F SR 99 to Waterfront Access and Mobility
G Denny Way Corridor East Operational Improvements
H Harrison St Corridor Operational Improvements

Area-wide project (not mapped)
I Neighborhood Programmatic Improvements (e.g., pedestrian improvements, wayfinding, striping, pedestrian-scale lighting, education programs)

RELATED PROJECTS/PROGRAMS

Thomas Street Redefined (5th Ave N to Dexter Ave N)
NODO MAP Funding Assumptions

• OVG will contribute $40 million over 39 years into a City Arena Transportation Fund ➔ $1,025,000 per year

• Different ways to fund projects:
  • Leveraging existing SDOT projects and use OVG fund to augment existing funds
  • Borrowing amount and then using OVG funding to service the debt over time
  • Pay-as-you-go scenario, using OVG funding to closely match work completed per year

• Anticipate $9 million in improvements between now and 2021, and $28 million in the first 10 years when combined with existing programs, mitigation resources and other funding sources.
# NODO MAP Funding Assumptions

<table>
<thead>
<tr>
<th>Project</th>
<th>Planning-level cost estimates</th>
<th>Anticipated Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 1st Ave N &amp; Queen Anne Ave N Complete Streets</td>
<td>$3,870,000</td>
<td>CATF/OGV</td>
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<tr>
<td>B: 1st Ave &amp; Broad St Complete Street Extension</td>
<td>$1,870,000</td>
<td>CATF</td>
</tr>
<tr>
<td>C-East: Thomas St Greenway: Thomas/Dexter Protected Intersection</td>
<td>$990,000</td>
<td>LCLIP</td>
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<tr>
<td>C-West: Thomas St Greenway: Seattle Center to Waterfront Neighborhood Greenway</td>
<td>$2,200,000</td>
<td>CATF</td>
</tr>
<tr>
<td>D: Pedestrian Improvements in Belltown</td>
<td>$730,000</td>
<td>CATF</td>
</tr>
<tr>
<td>E: Monorail Improvement Seed-funding</td>
<td>$1,000,000</td>
<td>CATF</td>
</tr>
<tr>
<td>F: SR 99 to Waterfront Access and Mobility(^2)</td>
<td>$5,000,000</td>
<td>Port/OGV</td>
</tr>
<tr>
<td>G: Denny Way Corridor East Operational Improvements(^3)</td>
<td>$10,080,000</td>
<td>SDOT/Grants/OGV</td>
</tr>
<tr>
<td>H: Harrison St Corridor Operational Improvements(^3)</td>
<td>$2,880,000</td>
<td>CATF/SDOT/OGV</td>
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<tr>
<td>I: Neighborhood Programmatic Improvements</td>
<td>$850,000</td>
<td>CATF</td>
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1. Excludes infrastructure improvements done by others
2. Anticipated date pending further coordination with the Port of Seattle
3. Operational improvements will be made along three corridors, and include updates to signal timing, vehicle detection, and fiber
# NODO MAP Priority Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong>: 1st Ave N and Queen Anne Ave N Complete Streets</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>B</strong>: 1st Ave and Broad St Complete Street Extension into Belltown</td>
<td>2019-2023</td>
</tr>
<tr>
<td><strong>C-East</strong>: Thomas Street Greenway: Thomas/Dexter Protected Intersection</td>
<td>2020-2023</td>
</tr>
<tr>
<td><strong>C-West</strong>: Thomas Street Neighborhood Greenway: Seattle Center to Waterfront</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>D</strong>: Pedestrian improvements in Belltown (1st Ave and Battery St signal)</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>E</strong>: Monorail Improvements Seed-Funding</td>
<td>2020-2023</td>
</tr>
<tr>
<td><strong>F</strong>: Denny Way Corridor Signals*</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>G</strong>: Harrison St Corridor Signals*</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>H</strong>: SR 99 to Waterfront Access and Mobility (Broad St) Signals*</td>
<td>2018-2023</td>
</tr>
<tr>
<td><strong>I</strong>: Neighborhood Programmatic Improvements</td>
<td>2018-2023</td>
</tr>
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<table>
<thead>
<tr>
<th>Planning</th>
<th>Design</th>
<th>Construction</th>
<th>Seed Funding</th>
</tr>
</thead>
</table>

City of Seattle

Department of Transportation
Highlights of Project B: 1st & Broad St Complete Street Extension

- Modification of 2nd Ave PBL by OVG to allow for 2-thru lanes on 2nd Ave for arena garage flush post-event
- Leverage improvements to complete bicycle connection from 2nd and Broad to new PBL at 1st Ave N
- Challenges:
  - Freight route
  - Transit impacts
  - Signals
  - Coordination with Denny Way ITS Project
  - Operational analysis of route
Thomas Street Redefined: 3 Key Transformative Elements

- Plaza connecting Seattle Center
  - Skate park connection
  - Half Block closure 5th to alley

- North Promenade Cross-Section
  - 36’ pedestrian and bicycle promenade
  - Multi-use pathway, sidewalk and landscaping
  - 18’ roadway

- Dexter Ave Protected Intersection
  - Bike facility connection
  - Transit connection
Highlights of Project C-East: Dexter/Thomas Protected Intersection

- Leverage the reconstruction of Thomas St across 7th Ave to facilitate east-west pedestrian and bicycle travel between South Lake Union and Uptown.

- Associated with Thomas Street Redefined

- Challenges:
  - Active development in intersection
  - Coordination with WSDOT construction, SCL design, private development
  - Interim/early, permanent improvements
Highlights of Project C-West: Seattle Center to Waterfront NGW

• Improve and highlight the route people use to walk and bike between the central waterfront and Seattle Center via the Thomas Street overpass

• Leverage improvements by OVG at 1st/Thomas and QA/Thomas

• Coordinate with Thomas Street Redefined – concept plan

• Advance baseline design schedule with intent to meet arena opening date
Highlights of Project C-West: Seattle Center to Waterfront NGW

THOMAS ST BETWEEN 1ST AVE N & QA AVE N – TRAFFIC, SIGNALS, AND PBL OPERATION REVIEW
Highlights of Project C-West: Seattle Center to Waterfront NGW

- Collect existing speed and volume count
- Review existing locations of all-way stops
- Determine warrants for proposed all-way stops
- SDOT is also reviewing for all-way stops in between Denny Way and Mercer St, from Elliott Ave W to Seattle Center
REVIEWING OPTIONS FOR EASIER ACCESS ON AND OFF THOMAS ST OVERPASS
## Next Steps

<table>
<thead>
<tr>
<th>Action Item</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continue stakeholder engagement</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Complete Thomas St Redefined Concept Plan from Elliott to Eastlake</td>
<td>Q1 2020</td>
</tr>
<tr>
<td>Construct Interim Changes</td>
<td>Q1 2020</td>
</tr>
<tr>
<td>• 5th Ave N &amp; Thomas St – Half Block Closure</td>
<td></td>
</tr>
<tr>
<td>• Dexter Ave N &amp; Thomas St – Right In/Right Out Diverter</td>
<td></td>
</tr>
<tr>
<td>Advance Thomas St Redefined Design concepts at:</td>
<td>Design 2020</td>
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<tr>
<td>• 5th Ave N to Taylor Ave N along Thomas</td>
<td></td>
</tr>
<tr>
<td>• 6th Ave N to 7th Ave N along Thomas (adapt WSDOT work on northern block face)</td>
<td></td>
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<tr>
<td>• Dexter to Terry</td>
<td></td>
</tr>
<tr>
<td>Advance design of Dexter &amp; Thomas Protected Intersection</td>
<td>Construction 2021</td>
</tr>
<tr>
<td>Advance design of Seattle Center to Waterfront Neighborhood Greenway</td>
<td>Construction 2021</td>
</tr>
<tr>
<td>Advance design of Broad Street Complete Streets</td>
<td>Construction 2021</td>
</tr>
</tbody>
</table>
Websites

• NODO MAP
  • https://www.seattle.gov/transportation/NODOMAP

• Thomas Street Redefined
  • https://www.seattle.gov/transportation/projects-and-programs/programs/urban-design-program/street-design-concept-plans/thomas-street-redefined

• Seattle Center to Waterfront NGW
  • https://www.seattle.gov/transportation/projects-and-programs/programs/greenways-program/seattle-center-to-waterfront-greenway
Comments/Questions?