NEIGHBORHOOD LEVY PROJECT

CITY OF BELLEVUE WASHINGTON TRANSPORTATION

Neighborhood Safety, Connectivity and Congestion Levy

Transportation Commission Update

October 26, 2017

Marie Jensen, Levy Program Co-Manager | John Murphy, Levy Program Co-Manager

Chris Long, Traffic Engineering Manager | Olivia Aikala, Traffic Engineer

Agenda

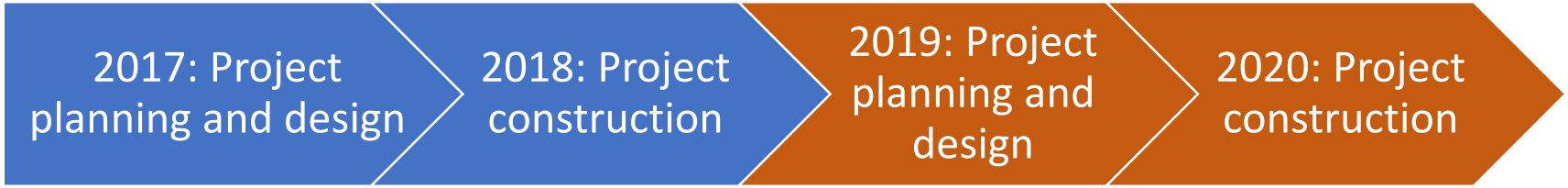
- Levy background and funding
- Levy projects overview
- Neighborhood Congestion Reduction Program
- Next Steps

Background

- First-ever transportation levy
- To address backlog of neighborhood transportation projects
  - Supplements existing city programs and established one new program
  - Funds planning, design, and construction
  - Leverages additional funding opportunities (e.g. grants)
- Voted and approved in November 2016
- 20-year levy
- $7.4 million/year ($14.8 million/biennium)

Timeline

Project phasing cycle



Allocation Guidelines—6 project categories

- $2 million/yr to go to planning, design, and/or construction of **Neighborhood Congestion Reduction** projects.
- Doubling annual budget of **Safety** programs.
- Doubling annual budget of **Sidewalk** program.
- **Bicycle** project list (+/- $7.5 million) be delivered in a seven-year period.
- **Intelligent Transportation Systems (ITS)** projects to stem from ITS Master Plan Update.
- **Maintenance** projects to reduce backlog faster than current funding.

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Levy Projects Funding, Type, and Source of Projects

CIP Numbers and Annual Funding	Project Type	Biennial Allocation	# of Projects (2017-2018)	Source of Projects
PW-R-198 ($2,000,000)	Neighborhood Congestion Reduction	$4,000,000	3	Neighborhood Congestion Reduction Evaluation and Prioritization. **Traffic Commission Involvement.**
PW-R-199 ($5,400,000)	Bicycle	$1,800,000	15	Bicycle Rapid Implementation Program (BRIP) project list
	Sidewalks	$2,500,000	5	Neighborhood Sidewalk Program
	Safety	$4,500,000	15	Neighborhood Traffic Safety Service, Traffic Operations, Crosswalk Program backlog
	Intelligent Transportation Systems (ITS)	$1,000,000	3	ITS Master Plan Update
	Maintenance	$1,000,000	2	Maintenance backlog

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Neighborhood Safety Projects

- **2017-2018:**
  - 15 projects
  - $4,500,000
- **Types**
  - traffic calming
  - crosswalk improvements
  - flashing beacons
  - radar signs
  - pedestrian pathways
  - school zone improvements
- **Example:**
  - SE 16th St Project (#14)

Bicycle Projects

- **2017-2018:**
  - 15 projects
  - $1,800,000
- **Types**
  - Marked shared lanes
  - Conventional bike lanes
  - Separated bike lanes
  - Buffered bike lanes
- **Example:**
  - 139th Ave SE (#9)

ITS Projects

- **2017-2018:**
  - 3 projects
  - $1,000,000
- **Types**
  - LED lighting upgrades
  - Fiber optic communication upgrades
  - New technology partnerships
- **Example:**
  - Bel-Red Rd street lighting upgrade to LED (#29)

Maintenance Projects

- **2017-2018:**
  - 2 projects
  - $1,000,000
- **Types**
  - Sidewalk maintenance
  - Boardwalk maintenance
- **Example:**
  - Crossroads sidewalk replacement (#38)

Sidewalk Projects

- **2017-2018:**
  - 5 projects
  - $2,500,000
- **Types**
  - Curb, gutter, sidewalk
  - Incorporates safety and bike improvements, when and where feasbile
- **Example:**
  - Wilburton Sidewalks Project (#32)

Questions?

Neighborhood Congestion Reduction Program

- *(Per Ordinance 6304) Projects to address and ease congestion for motor vehicles within, near and/or connecting neighborhoods to services to improve access and mobility.*
- Small to medium sized near-term projects
- Program covers:
  - Traffic studies
  - Outreach
  - Preliminary and final design
  - Construction

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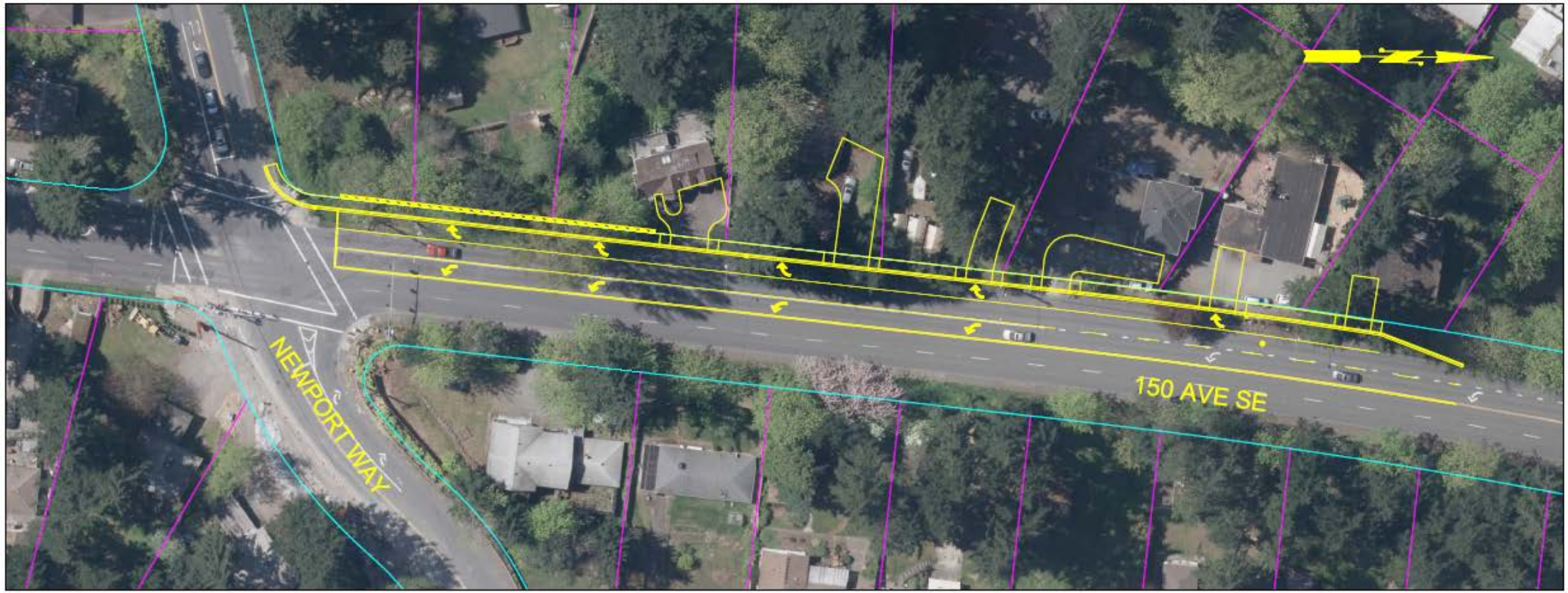
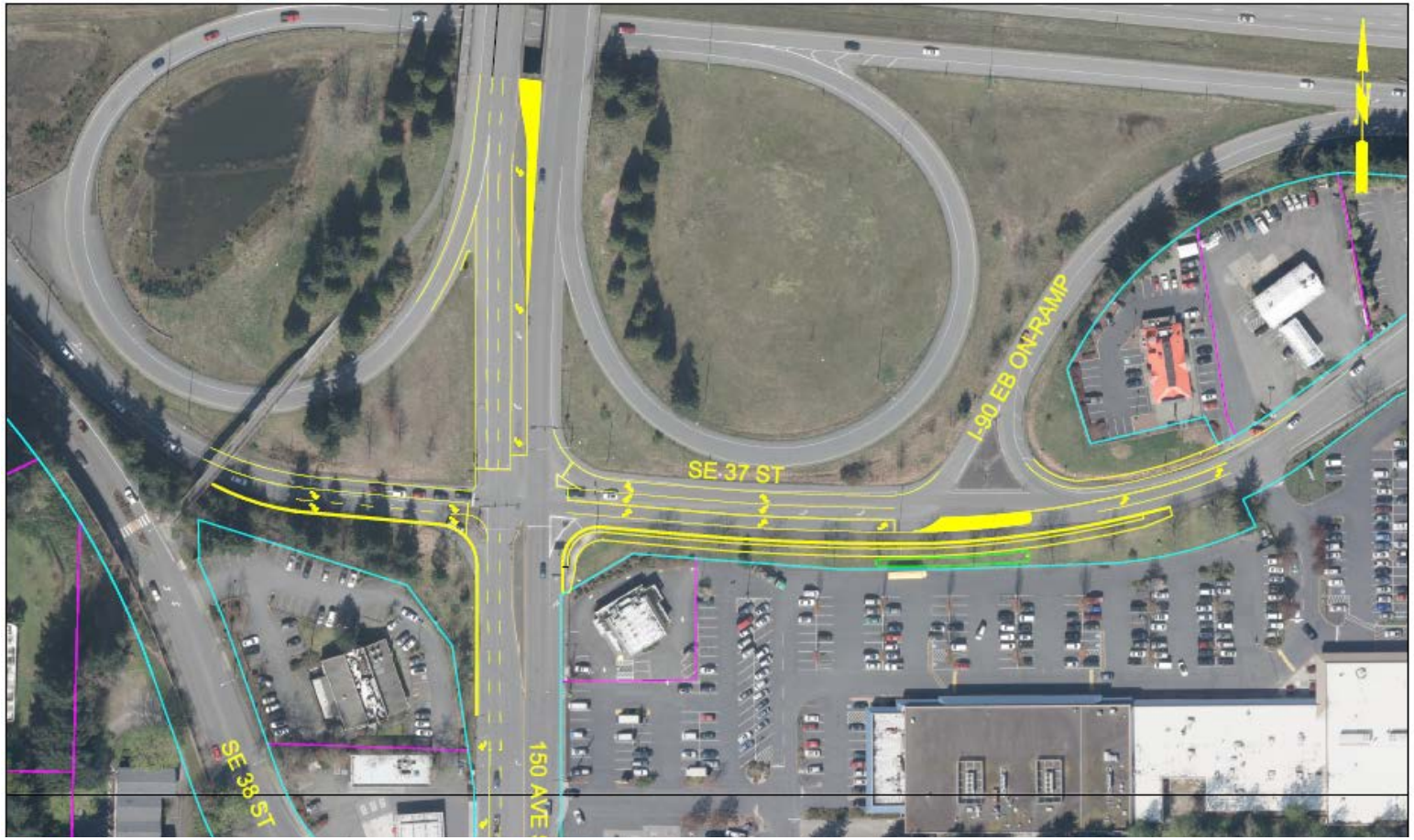
Neighborhood Congestion Reduction 2017 Projects

150th Ave SE and Newport Way



Neighborhood Congestion Reduction 2017 Projects

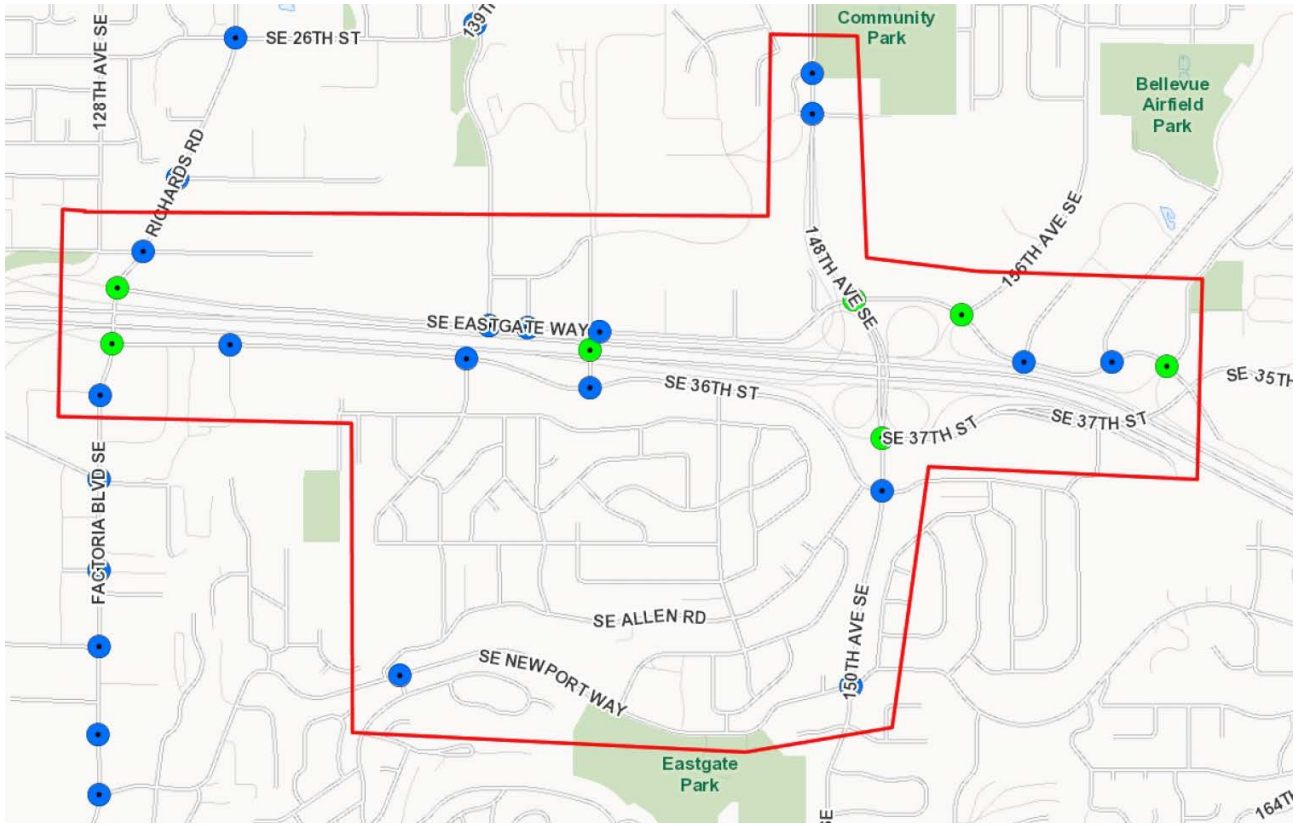
150th Ave SE and SE 37th St



Neighborhood Congestion Reduction 2017 Projects

Broader Eastgate Study

- AM and PM modeling
- Incorporate WSDOT I-90 Peak Use Shoulder Lane project
- Narrow options currently included in Transportation Facilities Plan (TFP)
- Identify other low-cost, near to mid-term needs in expanded study area



Next Steps for Program

- October 26th: Review scoring criteria
- November 9th: Finalize scoring system, review proposed projects
- January 2018: Present recommended allocation of budget for 2018
- Spring/Summer 2018: Develop allocation of budget for 2019/2020 biennium

Scoring Criteria – Tier I

- Project Dependency on Development or Outside Agency, Pass/Fail
- Existing Vehicle Level-of-Service (LOS)
- Safety

Pass/ Fail | Vehicle LOS | Safety

Qualifying Examples:

SE 8th St/Lake Hills Connector

Somerset Blvd/Newport Way/Allen Rd

Pass/ Fail | Vehicle LOS | Safety

Disqualifying Examples:

TFP #193: NE 10th Street at I-405

TFP #45: Bellevue Way/NE 8th St

Benefit:

Intersection V/C >0.10 Int. improvements w.r.t. crit. movement(s) **Arterial v/c >0.20** Alternative routes & Profound Network Changes	**High**	**25** Good Project, but little need	**75**	**100** Excellent project
Intersection V/C btw 0 & 0.10 Int. improvements w.r.t. crit. movement(s) and/or phasing **Arterial v/c btw 0.10 & 0.20**	**Medium**	**10**	**50**	**75**
Intersection V/C no change No arterial Project v/c ratio improvement **Arterial v/c btw < 0.10**	**Low**	**0**	**25**	**50** Project does not adequately address the needs but should be considered

NEED:

Low	Medium	High
LOS A,B,C < 0.80 **>15% better than MMA AWStd** if both favorable conditions apply **< 0.60**	**LOS D >=0.80 <0.90** **Btw 5% & 15% below MMA AWStd** either/or criteria apply **btw 0.60 & 1.00**	**LOS E,F >=0.90** **Within 5%, at or exceeds MMA AWStd** if both unfavorable conditions apply **>1.00**

Source: 2016 Transportation Facilities Plan (TFP) Vehicle LOS Scoring Matrix

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A quantitative approach to safety that…

- Utilizes nationally adopted AASHTO Highway Safety Manual predictive methods
  - Analysis considers collision, roadway and traffic volume data
- Helps to identify locations with the greatest potential for safety improvement

Scoring Criteria – Tier II

- Proposed Vehicle LOS
- Multimodal LOS (MMLOS)
    - Pedestrian
    - Bicycle
    - Transit
- Other Categories:
    - Potential for Grant Funding
    - Complexity of Implementation
    - Safety

Coming in 2018

- Annual accountability report
- Big construction year
- 2019/2020 project identification
  - Summer 2018: staff identify projects
  - Fall 2018: staff report to Transportation Commission on project list
  - December 2018: City Council to affirm project list

Questions

Levy Program website: bellevuewa.gov/TransportationLevy

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