

Transportation Operations and Intelligent Transportation Systems (ITS) Program

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Levy Oversight Committee
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Seattle
Department of
Transportation

Our Vision, Mission, Values, & Goals

Seattle is a thriving equitable community powered by dependable transportation. We're on a mission to deliver a transportation system that provides safe and affordable access to places and opportunities.

Core Values & Goals:

Equity, Safety, Mobility, Sustainability, Livability, and Excellence.



Signals Team Overview

- Signal operations, signal design and signal electricians
- Manage, operate and maintain over 1100 Signals
- Provide support for SDOT projects, partner agency projects, and local developer projects.
- Design signal systems and ITS systems
- Respond to constituents
- Perform traffic operations evaluations

Program Overview

Program 4 - Transportation Operations

Maintain and improve the city's system of traffic signals, signs and markings.

- Corridors Optimized - 5 per year
- New Traffic Signals - 3 per year
- Signal Spot Improvements - 10 per year
- Traffic Spot Improvements - 10 per year
- Regulatory Street Signs Replaced - 3000 per year
- Approximately \$5M annual Levy funding

Program 19 - Traffic Signal Timing Improvements

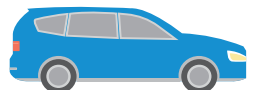
Optimize timing on 5 corridors throughout the city to improve traffic flow and serve people on cars and trucks, on bicycles, riding transit and on foot.

- Signal Major Maintenance - 5 to 15 per year
- Signal Diagnostic Evaluations - approx. 250 per year
- Signal Preventative Maintenance - approx. 775 repairs
- Approximately \$2.5M annual Levy funding

Program 20 - Intelligent Transportation System Improvements

Implement Next Generation ITS Improvements to help all travelers move more reliably around the city and provide improved information for travelers.

- Miles of arterial added to ITS system - 10 miles per year, Denny Way ITS, UW MICMA
- \$15.1M total Levy funding; \$24.3M non-levy (Transportation Fund, Grants/Partnership, REET)



Program 4 - Trans Ops Levy Accomplishments

Deliverable	2016	2017	2018	2019	2020	2021	Total Through 2021	2022-2024* per year
Corridors Optimized	5	5	5	6	5	5	31	Approx. 5
New Traffic Signals	4	3	3	3	2	3	18	Approx. 3
Signal Spot Improvements	10	17	12	10	9	11	69	Approx. 10
Traffic Spot Improvements	11	10	14	14	10	10	69	Approx. 10
Regulatory Street Signs Replaced	3,582	3,300	4,222	4,730	3,046	3,000	21,880	Approx. 3,000

*Plan to meet Levy target each year

Program 19 - Traffic Signal Timing Levy Accomplishments

Deliverable	2016	2017	2018	2019	2020	2021	Total Through 2021	2022-2024* per year
Signal Major Maintenance	18	15	8	10	5	5	61	Approx. 5
Signal Diagnostic Evaluations	250	266	75	309	291	250	1,441	Approx. 250
Signal Preventative Maintenance	807	786	750	799	775	775	4,692	Approx. 775

*Plan to meet Levy target each year

Program 20 - ITS Levy Accomplishments

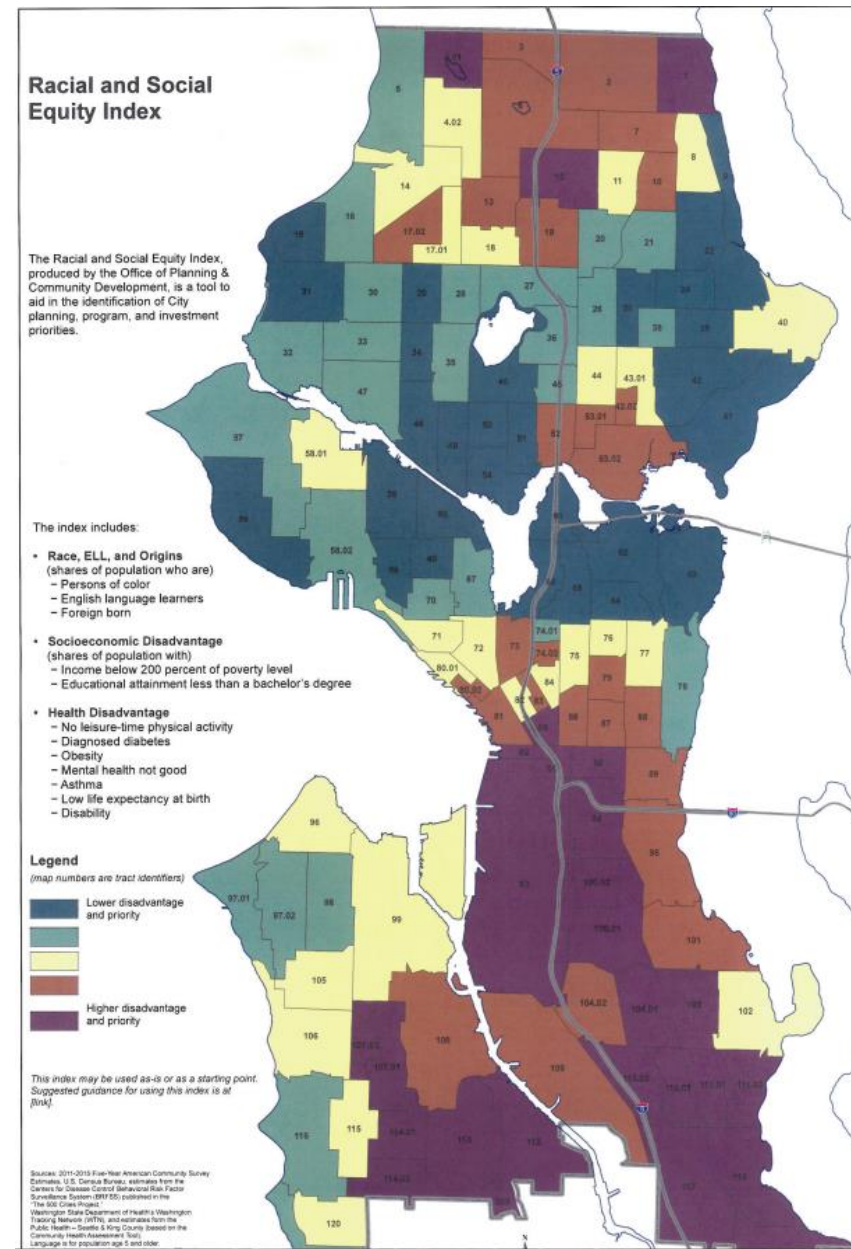
Deliverable	2016	2017	2018	2019	2020	2021	Total Through 2021	2022- 2024* per year
Miles of arterial added to ITS System	9.5	7.8	28	22.6	21.46	11.25	100.61	Approx. 10 miles

*Plan to meet Levy target each year

Project Selection

Key Factors:

1. Race and Social Equity Composite Index
2. High-crash corridors
3. Changes to transportation network
4. Improve transit reliability



Project Partnerships



Look to leverage opportunities with other programs

- Vision Zero
- Bike Master Plan
- Pedestrian Master Plan
- Safe Routes to School
- Transit Spot
- ADA



Deliverables over the Life of the Levy

Corridor Optimized

1. MLK Jr Way S North of Rainier
2. 35th Ave SW and SW Roxbury St
3. University District
4. S Jackson St/12th Ave S/Rainier Ave S in the CID
5. Delridge Way SW
6. Broadway from Marion to Yesler Way S



Deliverables over the Life of the Levy



- 6th Ave/James St – Signal Spot
- NE 125th St/28th Ave NE – New Traffic Signal
- 4th Ave/University St – Signal Major Maintenance
- West Marginal Way – Fiber Optic Communications Installation



2022 Work Plan

Corridor Optimizations

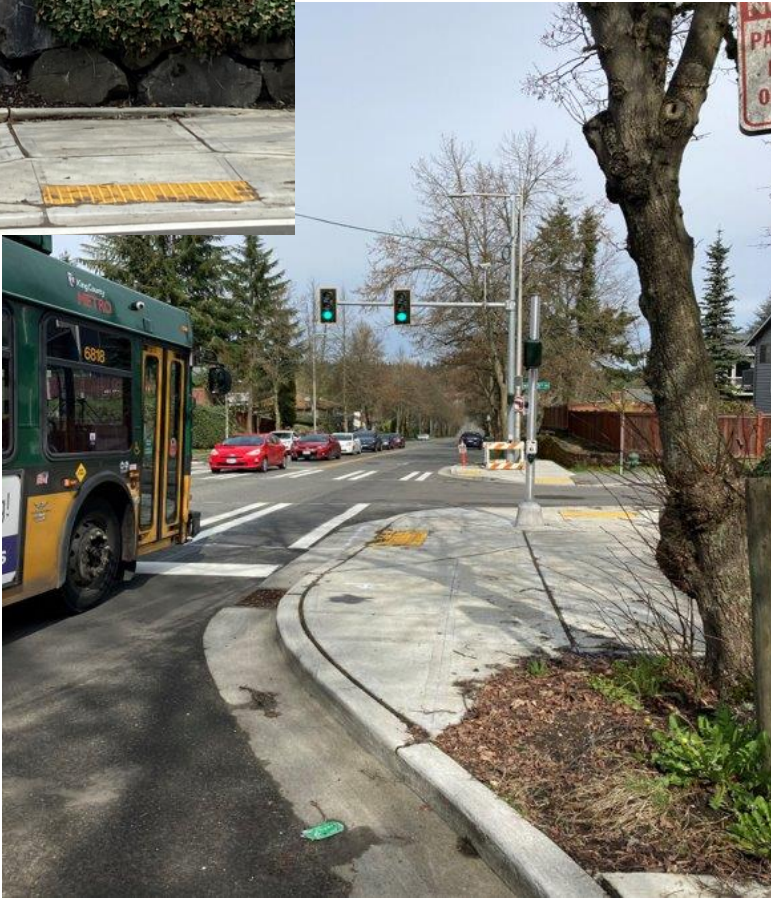
- Rainier Ave from Jackson to Charles (completed Q1)
- Rainier Ave in Columbia City
 - BAT lanes just installed
- Madison St along BRT corridor
- Lake City Way
- N 46th St Phinney



2022 Work Plan

New Traffic Signals

- Roosevelt Ave NE and NE 103rd St (completed Q1)
- 1st Ave and Battery St (in construction)
- Greenwood Ave N and N 83rd St (in construction)



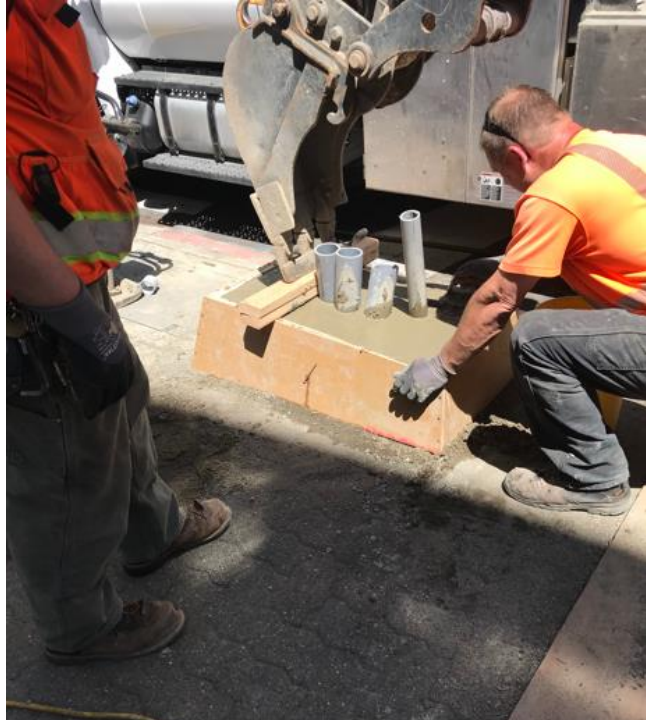
2022 Work Plan

Signal Spot Improvements

- Rainier Ave S/S Charles St (completed Q1)
- 15th Ave S/Oregon St (completed Q1)
- 8th Ave/Pine St (completed Q2)
- Stone Way N/Bridge Way N (in design)



2022 Work Plan



Signal Major Maintenance

- 6th Ave and University St (completed Q3)
- Rainier and Rose (in construction)

ITS

- U District Resiliency Project (Fiber Optic Communications to NE 50th St)



Questions?

