

# Kirkland Citywide ITS Study

# City of Kirkland ITS Development Process

- 1996-2006 NE 124<sup>th</sup> ITS Project-King County/WSDOT/Kirkland
- 2008 - Kirkland develops ITS Master Plan
- 2010 - ITS Phase I is Funded
- 2013 - ITS Phase II is Funded, TMC in place/Equip. Procured
- 2013 - Citywide Safety is Funded
- 2015 - ITS Phase II Design 100%
- 2015 - ITS Phase I Construction Finished
- 2017 - Citywide Safety Equipment Installation Finished
- 2017 - ITS Phase II Construction Finished
- 2019 - Kirkland Citywide ITS Study Complete

## ITS Phase I

- NE 85<sup>th</sup> /Central Way and Lake Wash. Blvd/Market Street/100<sup>th</sup> Ave NE (7 miles, 17 signals)
- TMC Design and Implementation

Before...



Kirkland's TMC



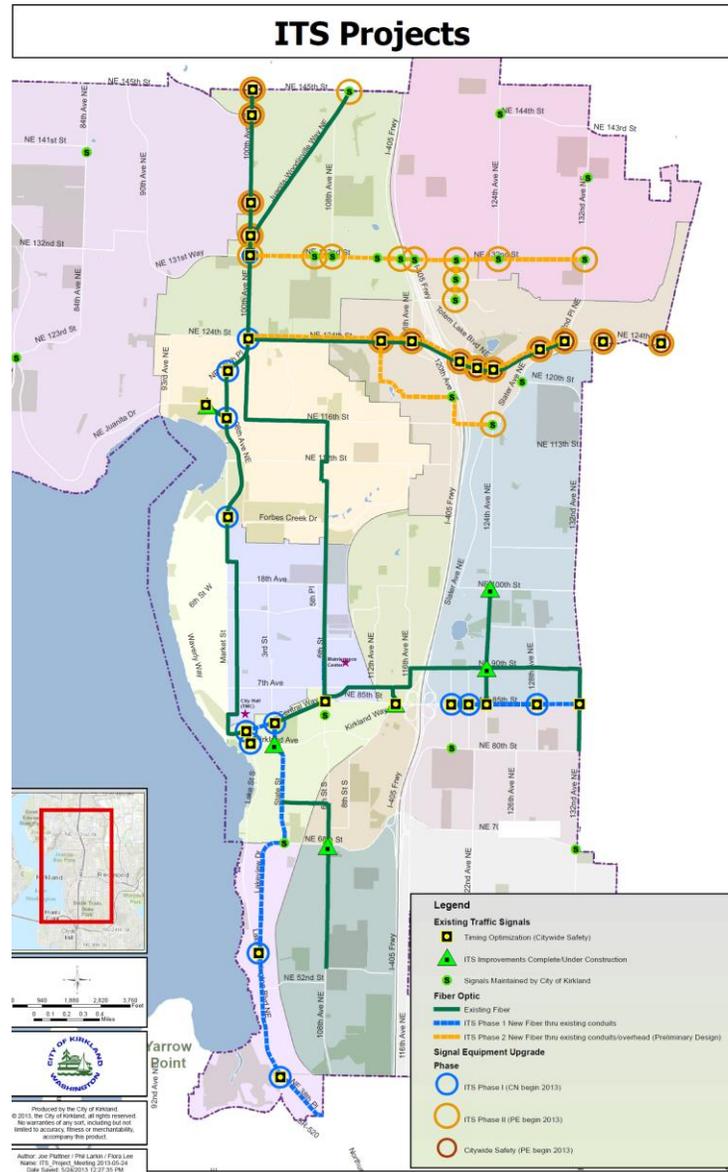
## ITS Phase II

- Totem Lake Growth Center and connecting NE 124<sup>th</sup> / 100<sup>th</sup> Ave- Juanita Woodinville ITS Corridors with new TMC (25 signals)

## Citywide Safety

- NE 124<sup>th</sup> Street and 100<sup>th</sup> Ave NE ITS Corridors with new TMC (13 signals)
- Design and Equipment Only

# Completed ITS Projects



# Kirkland Citywide ITS Study

- **Baseline**
  - In-Person Interviews
  - ITS Inventory
- **Identify Needs and Concepts of Operation**
  - Workshops
  - White Papers
- **Select Strategies, Projects and Policies**
  - List Potential Improvements with Cost Estimates
  - Rate and Rank Potential Improvements
- **Complete the Plan**
  - Review Draft Citywide ITS Plan
  - Finalize ITS Plan

# ITS Study White Papers

- GPS-based Emergency Vehicle Preemption
- Adaptive Traffic Control System
- Autonomous Vehicles and Connected Vehicles
- Parking Management
- Links to GIS and Lucity
- Data Management for ITS
  - Automated Performance Measures
  - Traveler Information

# Next Steps

- March 2019: Complete White Papers
- March 2019: Select Strategies, Projects and Policies
- April 2019: Draft ITS Study
- April/May 2019: Return to Transportation Commission
- May 2019: Finalize ITS Study