Acyclica Update

Transportation & Utilities Committee
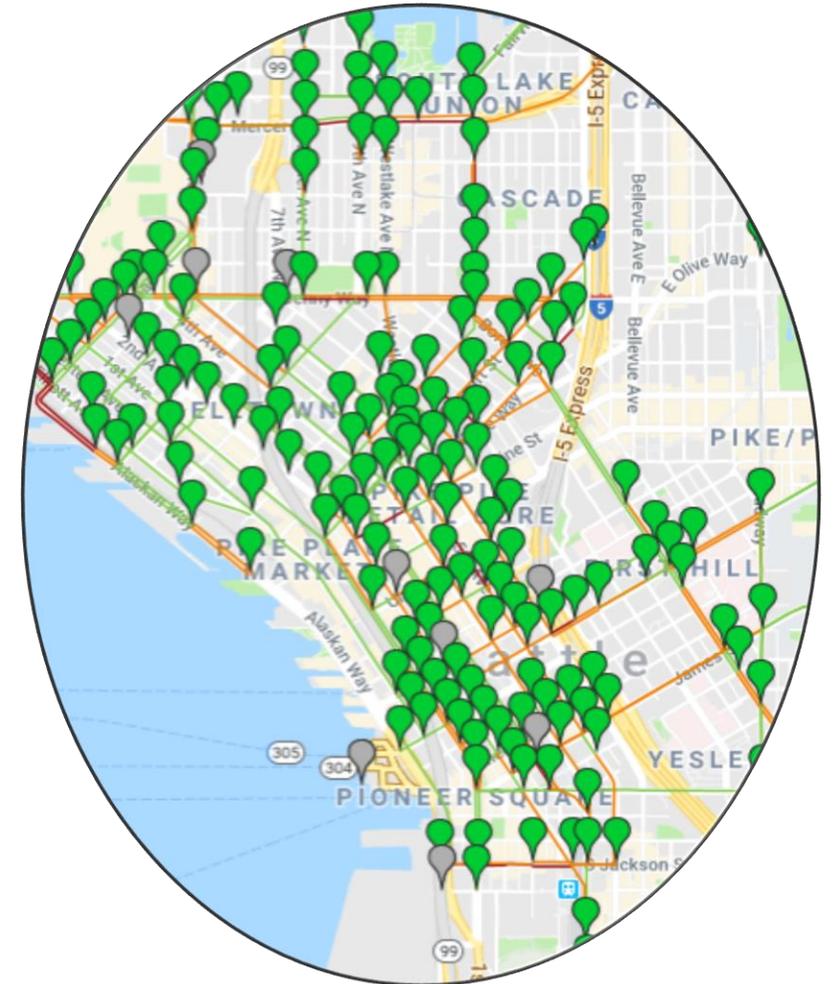
September 15, 2021

**Seattle Department of Transportation
Seattle Information Technology**

City of Seattle

Current state of traffic data

- SDOT uses License Plate Readers (LPR) and Acyclica hardware to create actionable traffic data

- Acyclica uses a physical sensor installed on traffic control cabinets to collect travel time information

- LPR camera systems are "end-of-life" and no longer supported by the manufacturer

- Committed to substantial removal of both by end of 2021

- SDOT requests that both LPR and Acyclica be removed from the master list of Surveillance Technologies

Alternative solution

Using Probe Data creates a more holistic method requiring less maintenance. This further supports SDOT's goals of:

- **Safety** - Combining speed and collision history allows a more focused response to potential unsafe situations

- **Climate** – A continuous and accurate estimate of vehicle miles traveled can be used as metric to determine the success of climate initiatives

- **Equity** - Data covers the entire City so we can reduce bias when prioritizing solutions.

Probe Data: anonymous real-time data from connected vehicles, GPS and navigation devices

New method privacy implications

- Includes no personally identifiable information

- Vendors aggregate and anonymize the data before providing it to others

- This solution no longer relies on license plates or other unique identifiers collected by SDOT

- Per ITD privacy review, the probe data solutions do not meet definition provided in 14.18 as SDOT is only *receiving* a feed of data that does not include any personally identifiable information and is not analyzing the movements of specific individuals

Questions