ACYCLICA
Traffic Data Collection Tool

What is the technology?
Acyclica devices measure real time vehicle travel times on city streets. They identify Wi-Fi-enabled devices in vehicles (like smart phones) traveling between multiple sites. They are small sensors installed in SDOT street furniture, like traffic signal control boxes.

Why do we use the technology?
SDOT uses this technology to determine travel time on city streets. Using the detection of unique addresses, Acyclica identifies and differentiates vehicle movement as it approaches, stops, and leaves an intersection. We use this data to help improve the traffic operations of Seattle's road networks. It also helps us improve safety and mobility for all travelers.

Collection
Acyclica collects unique phone identifiers, called a MAC address, using a sensor installed inside of traffic control cabinets and immediately encrypts the data. Acyclica then hashes and salts the data, anonymizing it by assigning a set of numbers and letters, then adding an random set of additional characters.

Use
SDOT uses the aggregated data provided by Acyclica to assess traffic flow and congestion, correct signal timing, and share information to travelers about expected delays.

Protections
Acyclica always encrypts the unique addresses they collect, and this process cannot be reversed. Personally-identifiable information that could be used to identify, contact, or locate a single person, is not accessible to SDOT, the vendor, or the public.

The open comment period for this technology is **currently underway**. You can provide comments to **Seattle.gov/Privacy**.

All comments will be included in the Surveillance Impact Report on this technology and submitted to Council.

If you would like to provide feedback outside of the open comment period, please submit them directly to City Council.

Seattle
Department of
Transportation