

MEMORANDUM

To: Transportation Commission

From: Joel Pfundt, Transportation Manager

Iris Cabrera, Transportation Engineer

Date: September 17, 2021

Subject: LAKE ST S/LAKE WASHINGTON BLVD MULTIMODAL DATA COLLECTION

Staff Recommendation:

It is recommended that the Transportation Commission receive a briefing, ask questions and provide comments on the results of the Lake St S/Lake Washington Boulevard Multimodal Data Collection.

Background:

The City of Kirkland is evaluating creation of a walkway/promenade along Lake Street S/Lake Washington Boulevard between 2nd Ave S and NE 60th Street that further enhances the experience for people walking and rolling along the corridor, therefore encouraging more people to travel by the modes. This would likely require the elimination of existing on-street parking spaces. To better understand the impacts of this proposal, the City is evaluating the safety benefits and impacts, vehicle parking impacts, and changes in how people use the waterfront.

To accomplish these goals, the City hired a consultant (Transpo Group) to collect multimodal activity and vehicle parking data along the Lake Street S/Lake Washington Boulevard corridor. The consultant collected this data through traditional means of in-person observations, video recordings and using new technologies that allow for unique insights into origin-destination patterns for roadway users. The results of the data collection will help evaluate the parking impacts and what changes and benefits might be expected from implementing a walkway/promenade. Figure 1 below shows the study area where the following data was collected:

- Vehicle/Pedestrian/Bike Counts on Lake St S/Lake Washington Blvd Corridor at approximately these locations:
 - 7th Ave S (north end of corridor)
 - Marsh Park (middle of corridor)
 - NE 60th St (south end of corridor)
- Vehicle Parking Data
 - Lake St/Lake Washington Blvd between 2nd Ave S and NE 60th St
 - Side Streets (2nd Ave S, 2nd St S, 5th Ave S, 7th Ave S, 10th Ave S, NE 64th St, NE 63rd St, NE 62nd St)

- o Parking Lots (Marsh Park, Houghton Beach, 58th St Lot)
- Streetlight Origin-Destination Data for 10 vehicle parking zones

The next step will be to develop preliminary design concepts and cost estimates for further consideration. This effort will be informed by these data collection results.



Figure 1. Study Area

Attachment 1 – September 22, 2021 Transportation Commission Presentation



Transportation Commission Meeting 9/22/2021



AGENDA

- 1. Study Area Map and Data Collection Summary
- 2. Vehicle Counts
- 3. Ped/Bike Data
- 4. Parking Occupancy
- 5. Parking O/D Study
- 6. Summary



STUDY AREA/DATA COLLECTED



- Lake St/Lake WA Blvd from 2nd Ave to 60th Ave
- Side Streets 2^{nd,} 5th, 10th, 64th, 63rd, 62nd
- Marsh Park, Houghton Beach, 58th St Lot



- 7th Ave S
- Marsh Park
- NE 60th St

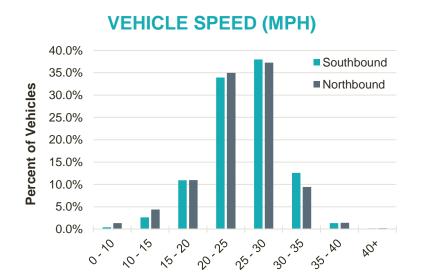


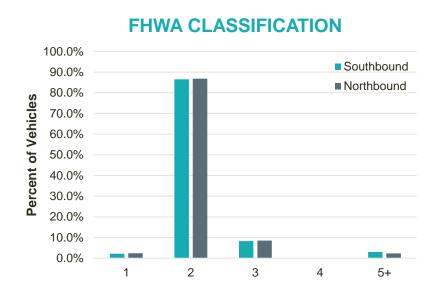
10 parking zones

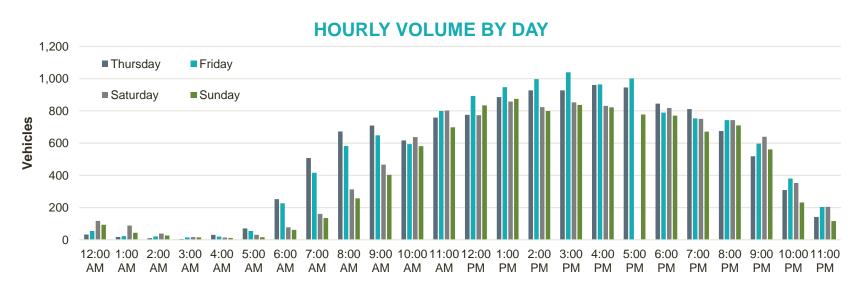


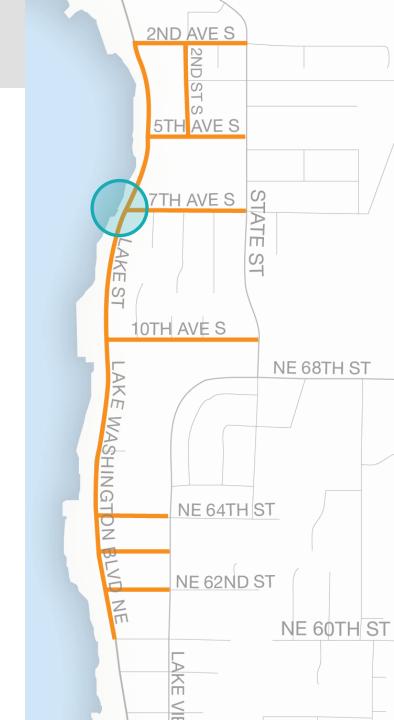


LAKE ST S & 7TH AVE S

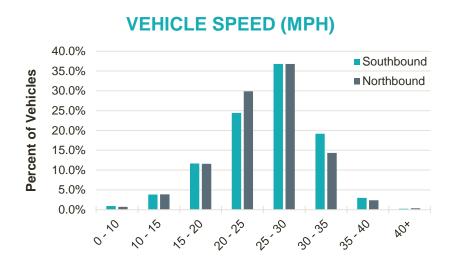


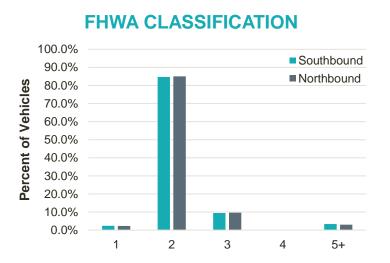


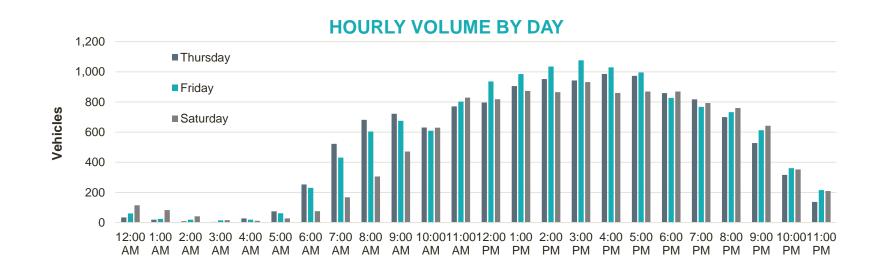


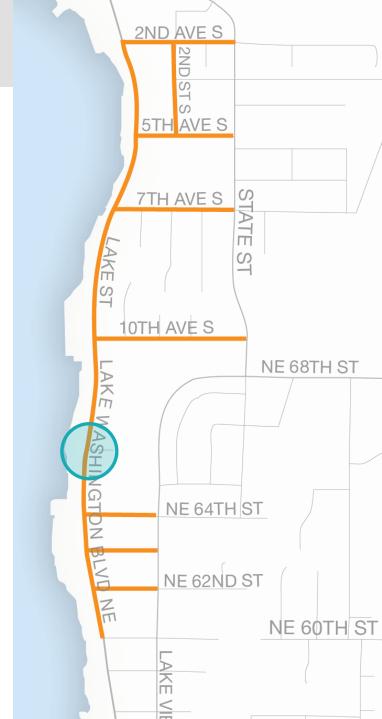


LAKE WASHINGTON BLVD NE & MARSH PARK

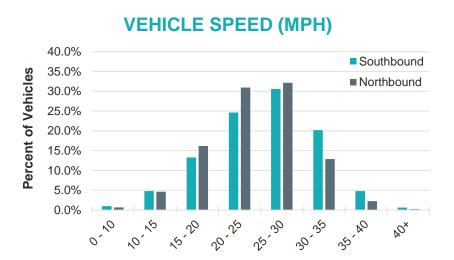


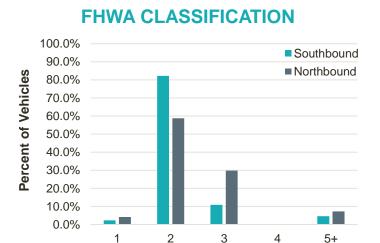


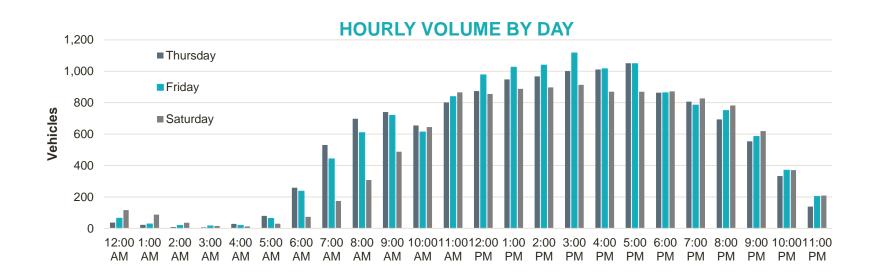


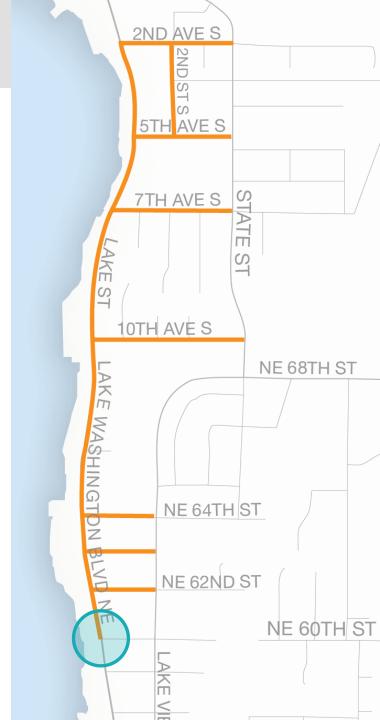


LAKE WASHINGTON BLVD NE & NE 60TH ST





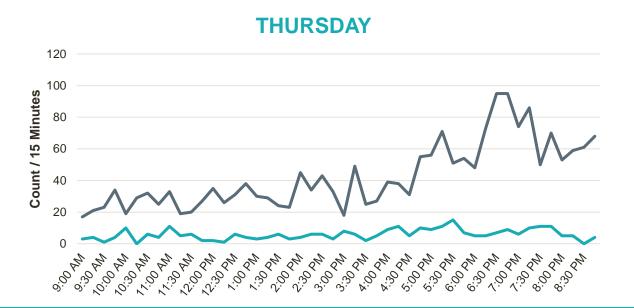






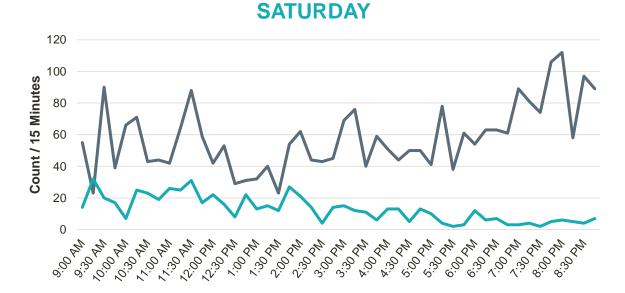
PEDESTRIAN /BICYCLE COUNTS

LAKE ST S & 7TH AVE S



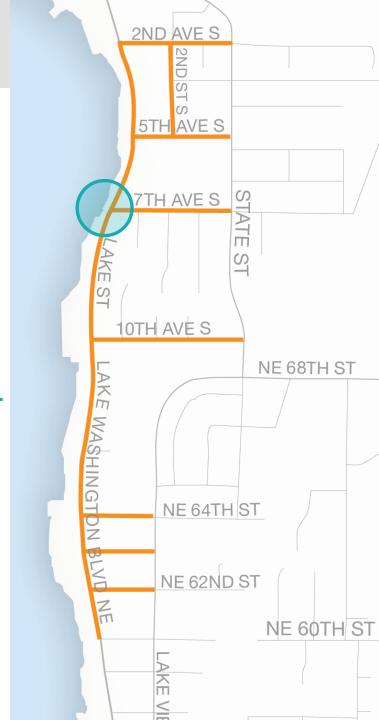




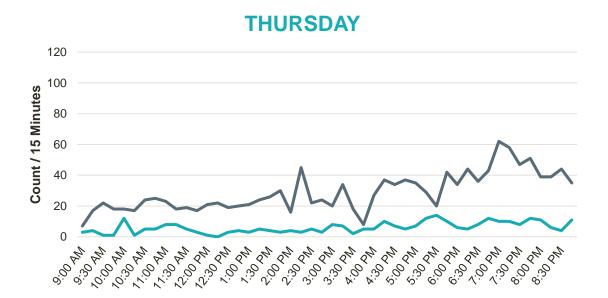








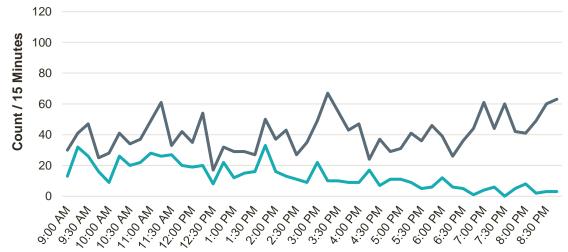
LAKE WASHINGTON BLVD NE & MARSH PARK





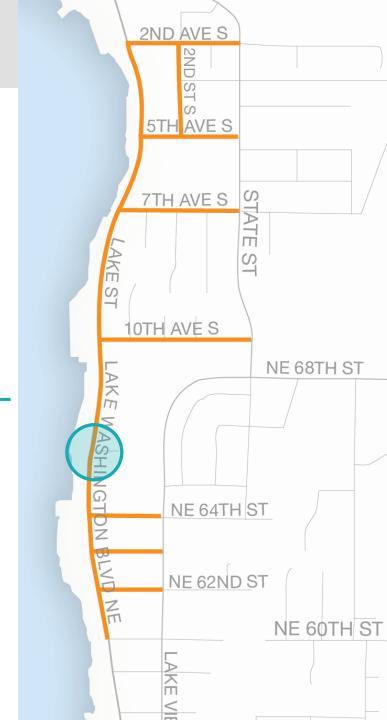




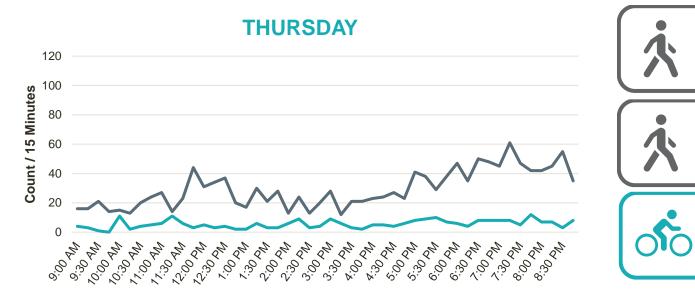


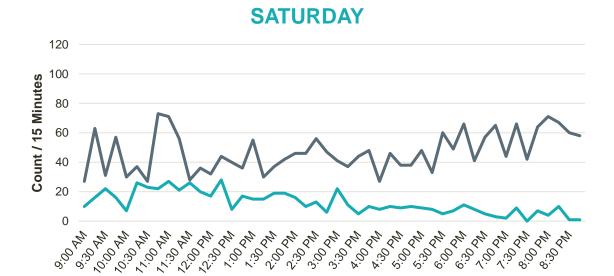






LAKE WASHINGTON BLVD NE & NE 60TH ST





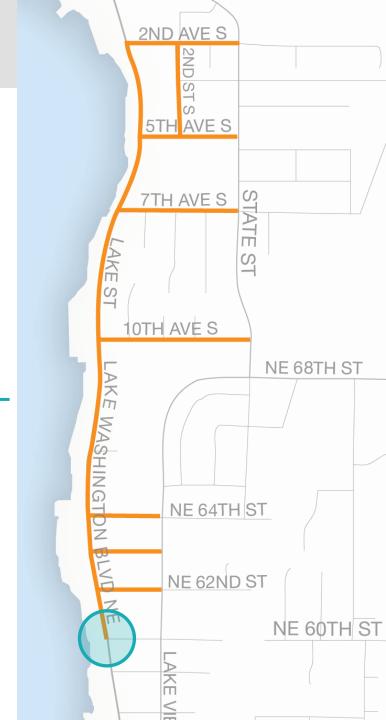


northbound

southbound

southbound

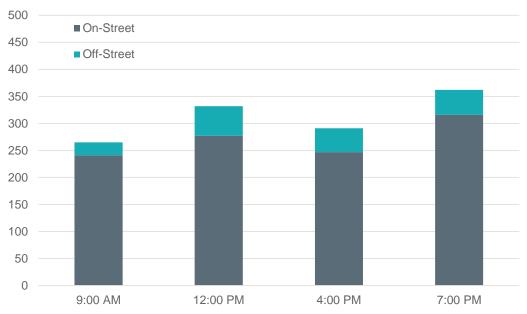




P PARKING OCCUPANCY

PARKING OCCUPANCY BY TIME OF DAY





SATURDAY Parked Vehicles / Hour











THURSDAY PEAK - 7 PM



HIGH occupancy at the north end

MID-RANGE occupancy in the south end

LOWER in the middle near Marsh Park



SATURDAY PEAK – 4 PM



HIGH occupancy at the north end

HIGH occupancy in the south end

in the middle
near Marsh Park
(but higher than TH)





PARKING PARKING ORIGIN DESTINATION

ORIGIN DESTINATION - TOTAL STUDY AREA

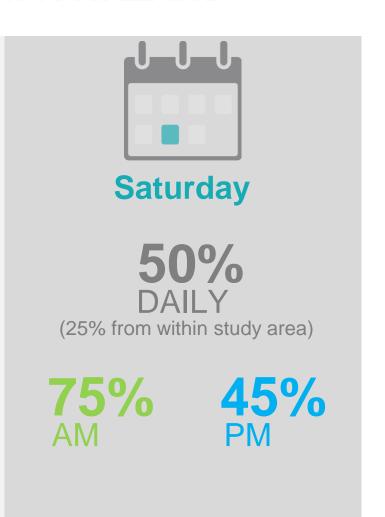
TRIPS FROM KIRKLAND

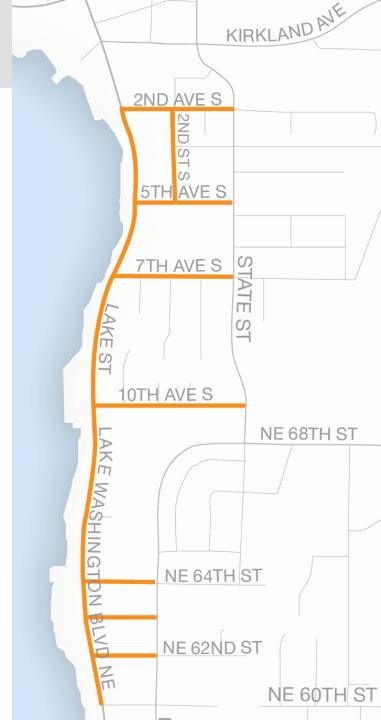


45% DAILY

35% 50% PM

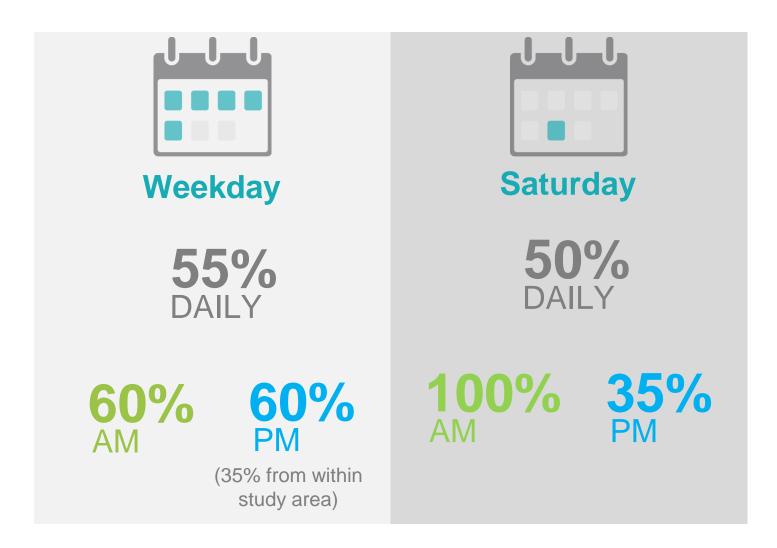
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ORIGIN DESTINATION - NORTHERN ZONE

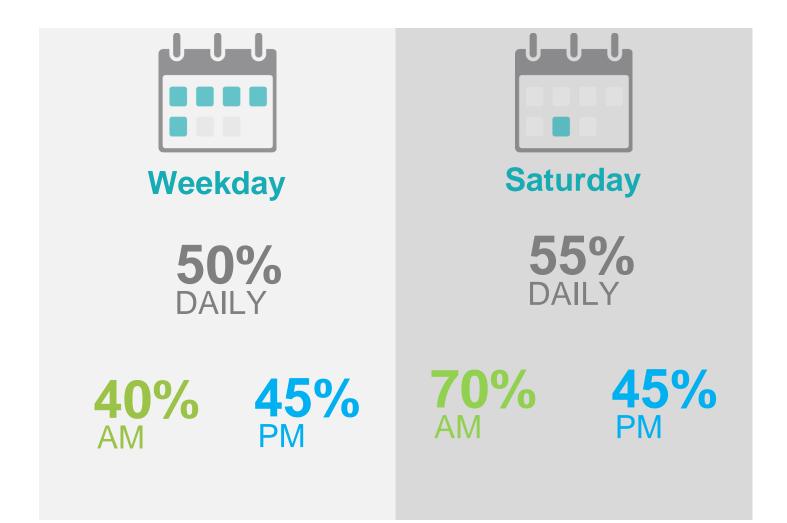
TRIPS FROM KIRKLAND





ORIGIN DESTINATION - MID ZONE

TRIPS FROM KIRKLAND





ORIGIN DESTINATION - SOUTHERN ZONE

TRIPS FROM KIRKLAND

