

ENGINEERING



PALISADES NEIGHBORHOOD

OCT. 24, 2023

Introduction

- Who am I?
- What is my background?
- What do I do for Lake Oswego?



Traffic Engineering

- Branch of Civil Engineering that uses research and accepted practices to maintain safe and efficient traffic flow.
- Resources:
 1. *AASHTO A Policy on Geometric Design of Highways & Streets (Green Book)*
 2. *FHWA Manual on Uniform Traffic Control Devices (MUTCD)*
 3. Institute of Transportation Engineers
 4. National Cooperative Highway Research Program



Traffic Engineer

- Development Review
- Engineering Plan Review
- Temporary Traffic Control Plans
- Capital Improvement Projects
- Transportation Advisory Board



- Transportation System Plan
- Traffic Signal Operations

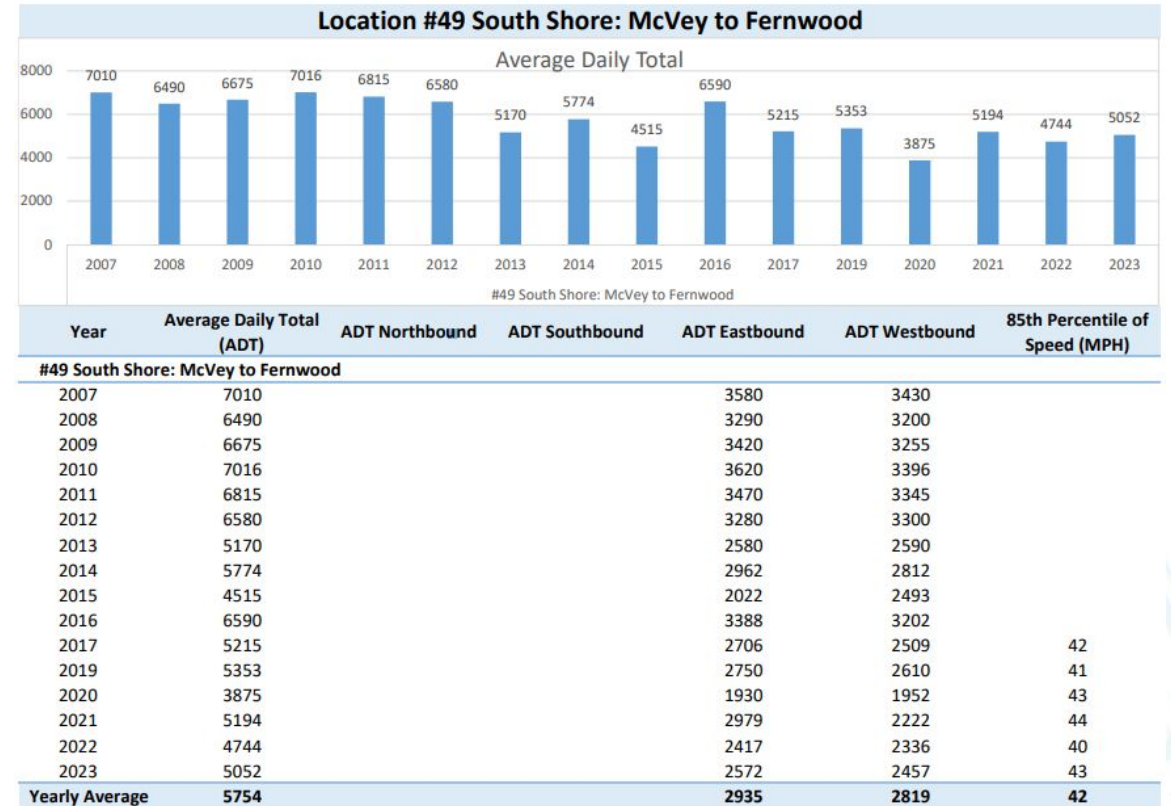
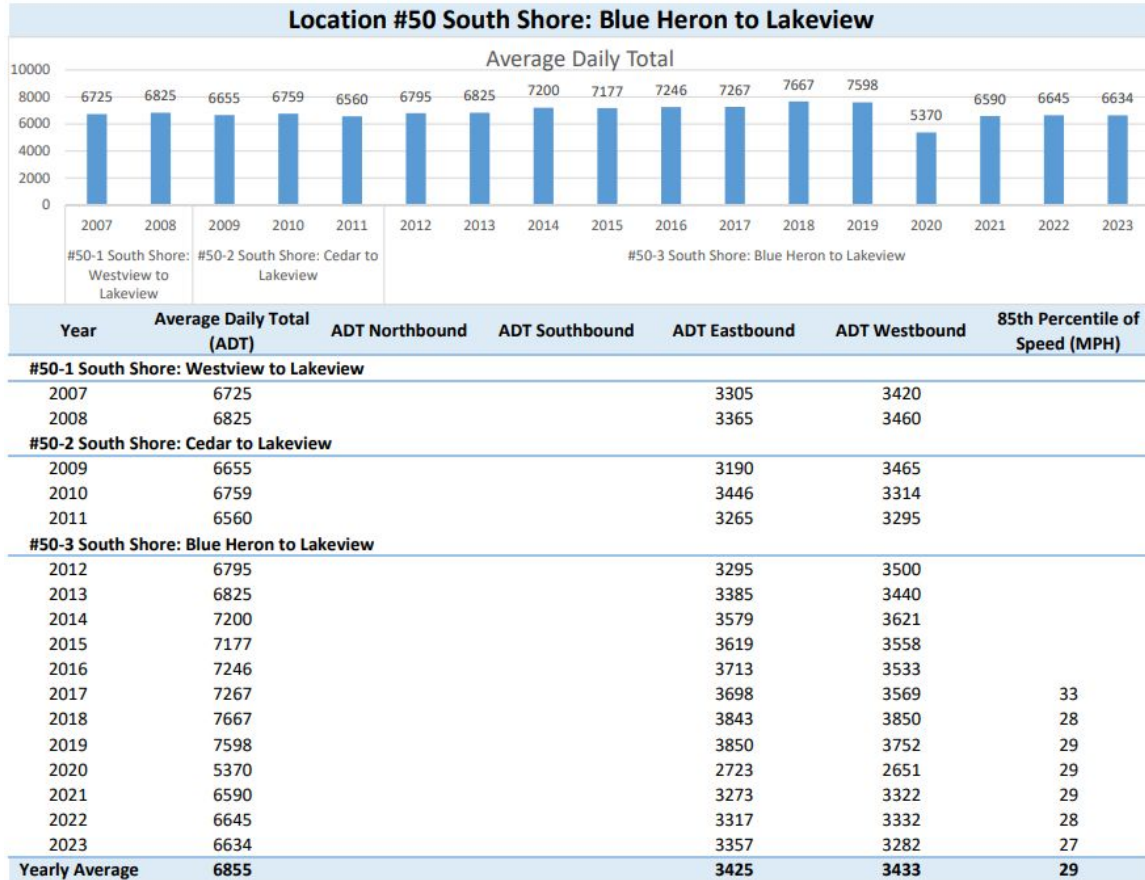


Common Concerns

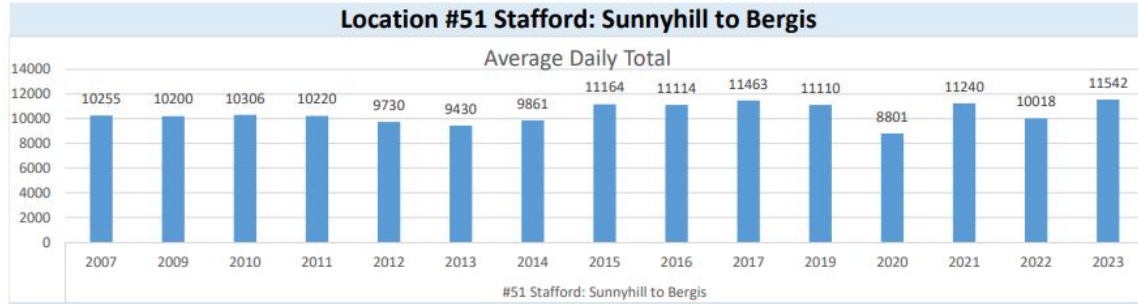
- Speeding
 - Speed Reader Trailer
 - Annual Traffic Count Program
- Traffic
 - Neighborhood Traffic Management Program
- Signage
 - Per Guidance



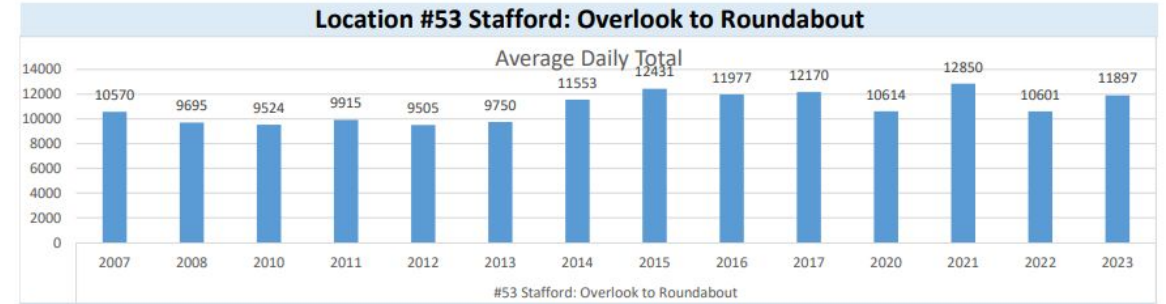
Traffic Volumes & Travel Speeds



Traffic Volumes & Travel Speeds



Year	Average Daily Total (ADT)	ADT Northbound	ADT Southbound	ADT Eastbound	ADT Westbound	85th Percentile of Speed (MPH)
#51 Stafford: Sunnyhill to Bergis						
2007	10255	5030	5225			
2009	10200	5050	5150			
2010	10306	5003	5303			
2011	10220	5035	5185			
2012	9730	4655	5075			
2013	9430	4555	4875			
2014	9861	4270	5591			
2015	11164	5408	5756			
2016	11114	5478	5636			
2017	11463	5458	6005			46
2019	11110	5360	5760			44
2020	8801	4261	4547			45
2021	11240	5427	5819			46
2022	10018	4832	5193			45
2023	11542	5593	5953			43
Yearly Average	10430	5028	5405			45

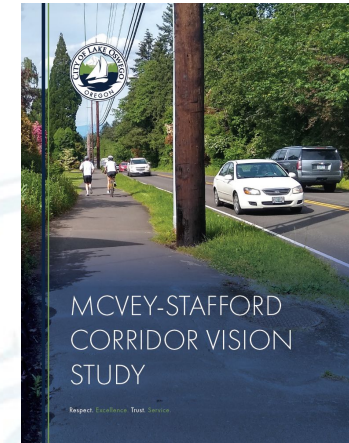


Year	Average Daily Total (ADT)	ADT Northbound	ADT Southbound	ADT Eastbound	ADT Westbound	85th Percentile of Speed (MPH)
#53 Stafford: Overlook to Roundabout						
2007	10570	5105	5465			
2008	9695	5115	4580			
2010	9524	4634	4890			
2011	9915	4795	5120			
2012	9505	4635	4870			
2013	9750	4700	5050			
2014	11553	5574	5979			
2015	12431	5781	6650			
2016	11977	5632	6345			
2017	12170	5509	6661			40
2020	10614	4683	5940			43
2021	12850	5784	7074			41
2022	10601	4997	5609			
2023	11897	5559	6345			40
Yearly Average	10932	5179	5756			41

Current Projects



- Tree Top Ln / Meadowlark Pathway
 - Design expected to start spring/summer of 2024
- McVey / Stafford Corridor Vision Study
 - Presentation to Council in Dec. 2023
- South Shore / Blue Heron
 - Sewer work in canal
- LORAC / Rassekh Park
 - Water line construction
 - Opening summer 2024

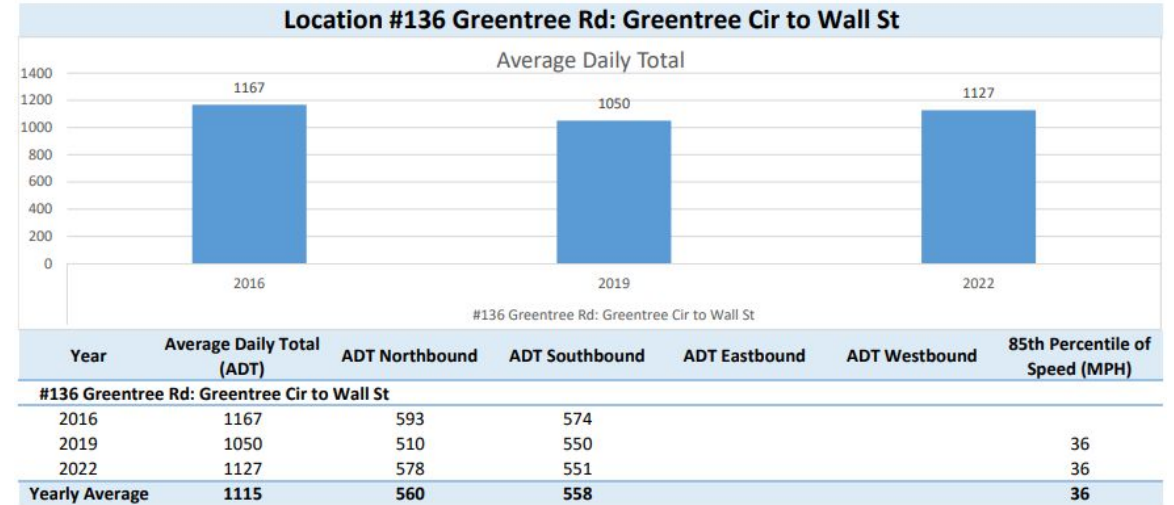
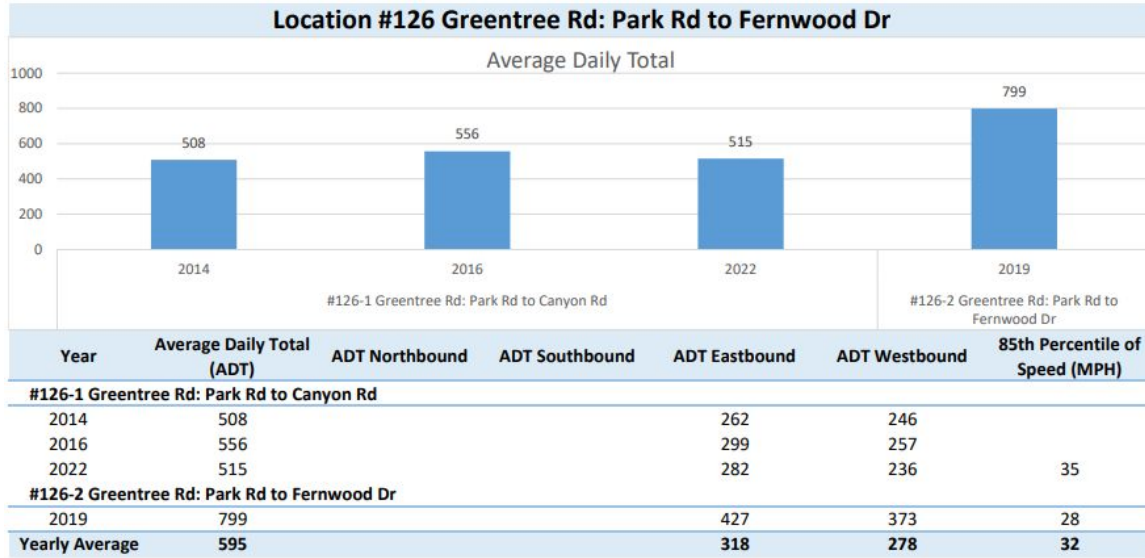




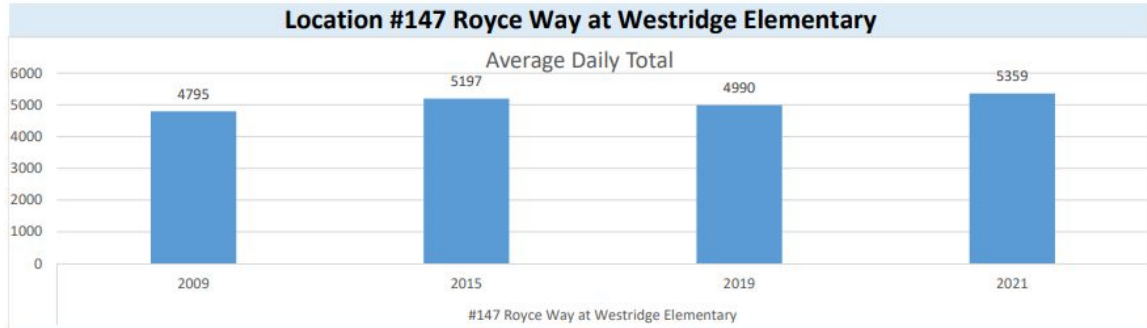
Questions?

Will Farley, PE
wfarley@lakeoswego.city
Office: 503-635-0274

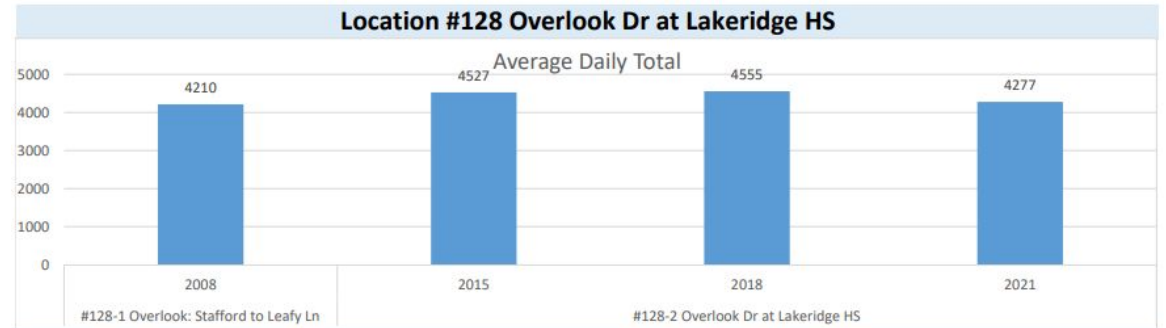
Traffic Volumes & Travel Speeds



Traffic Volumes & Travel Speeds



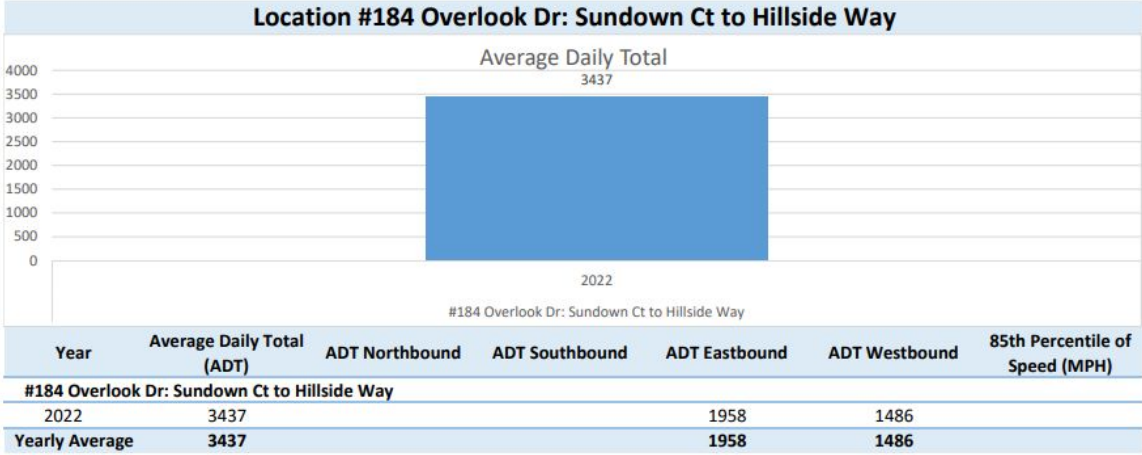
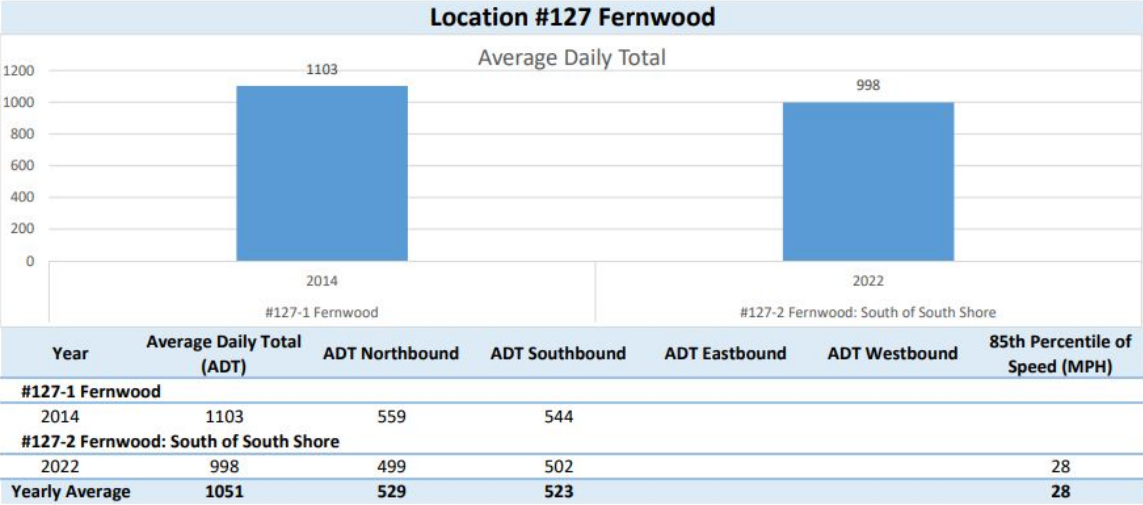
Year	Average Daily Total (ADT)	ADT Northbound	ADT Southbound	ADT Eastbound	ADT Westbound	85th Percentile of Speed (MPH)
#147 Royce Way at Westridge Elementary						
2009	4795			2515	2280	
2015	5197			2824	2373	
2019	4990			2902	2095	28
2021	5359			2704	2663	29
Yearly Average	5140			2730	2415	29



Year	Average Daily Total (ADT)	ADT Northbound	ADT Southbound	ADT Eastbound	ADT Westbound	85th Percentile of Speed (MPH)
#128-1 Overlook: Stafford to Leafy Ln						
2008	4210			2495	1715	
#128-2 Overlook Dr at Lakeridge HS						
2015	4527			2767	1760	
2018	4555			2903	1681	30
2021	4277			2511	1770	31
Yearly Average	4369			2637	1739	31



Traffic Volumes & Travel Speeds



Traffic Volumes & Travel Speeds

