

# City of Seattle - Zero Emission Area Data Collection

## Appendix

Prepared for:

C40 Cities Climate Leadership Group & City of Seattle

9/2/2021

SE21-0788

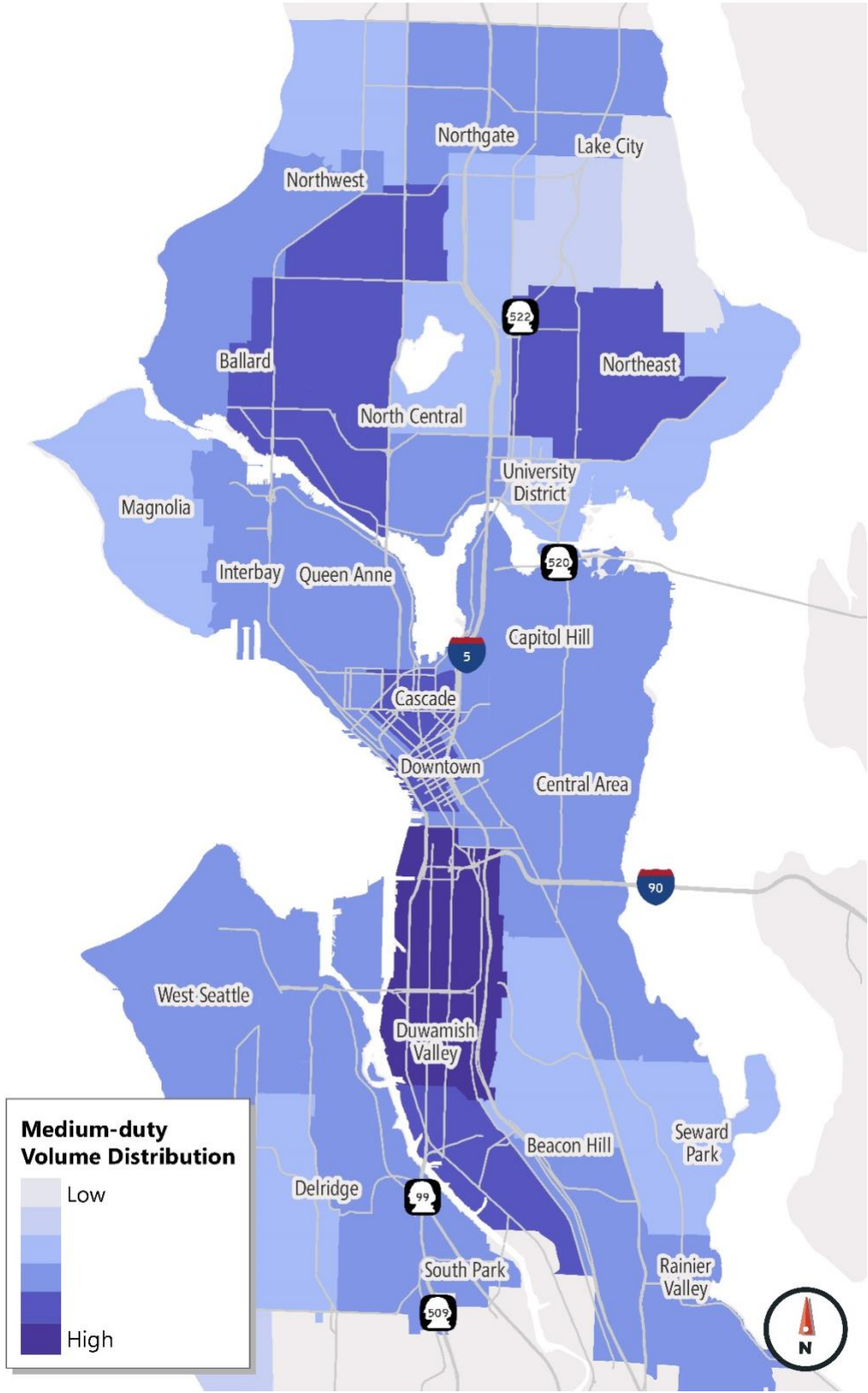
FEHR  PEERS

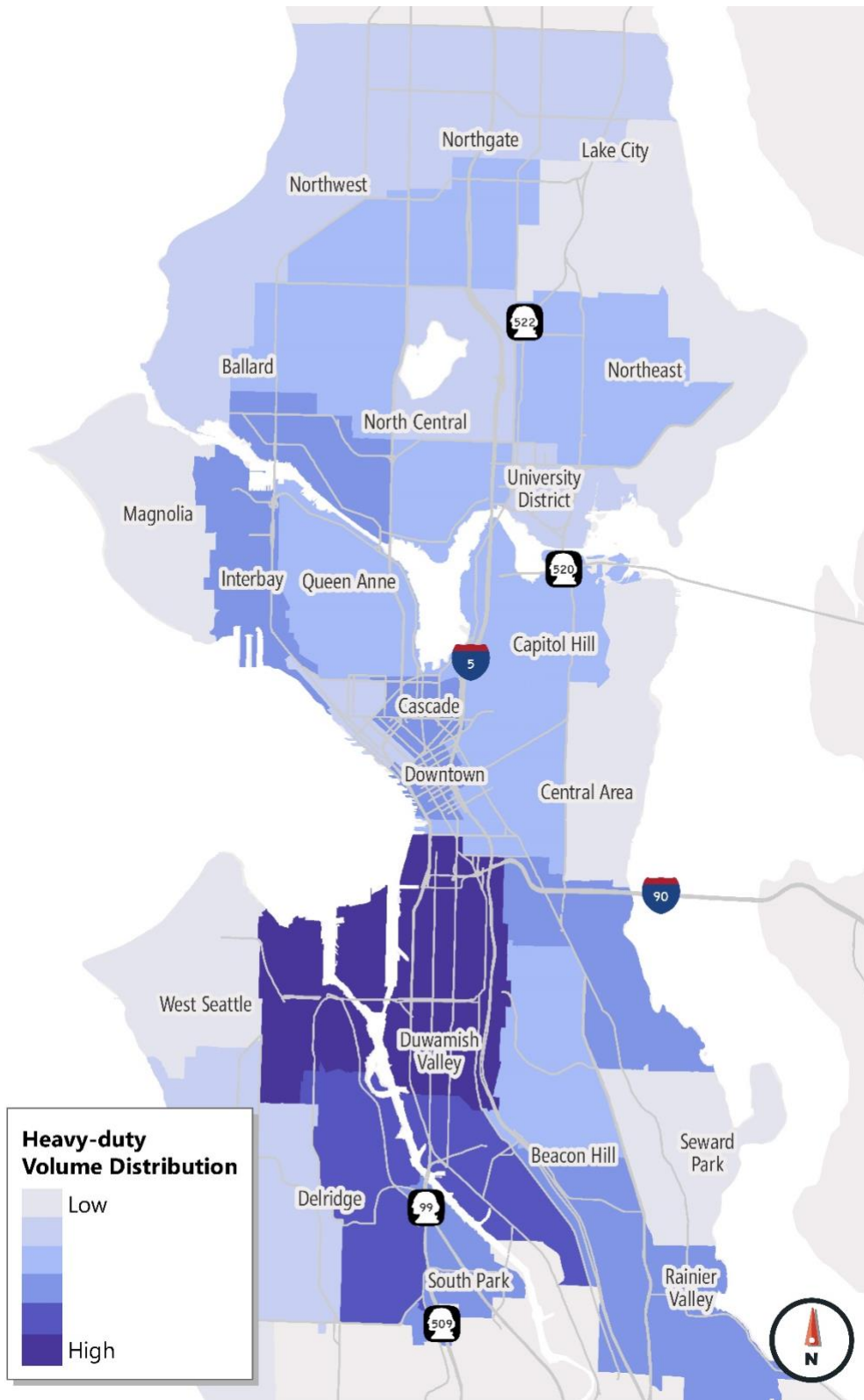
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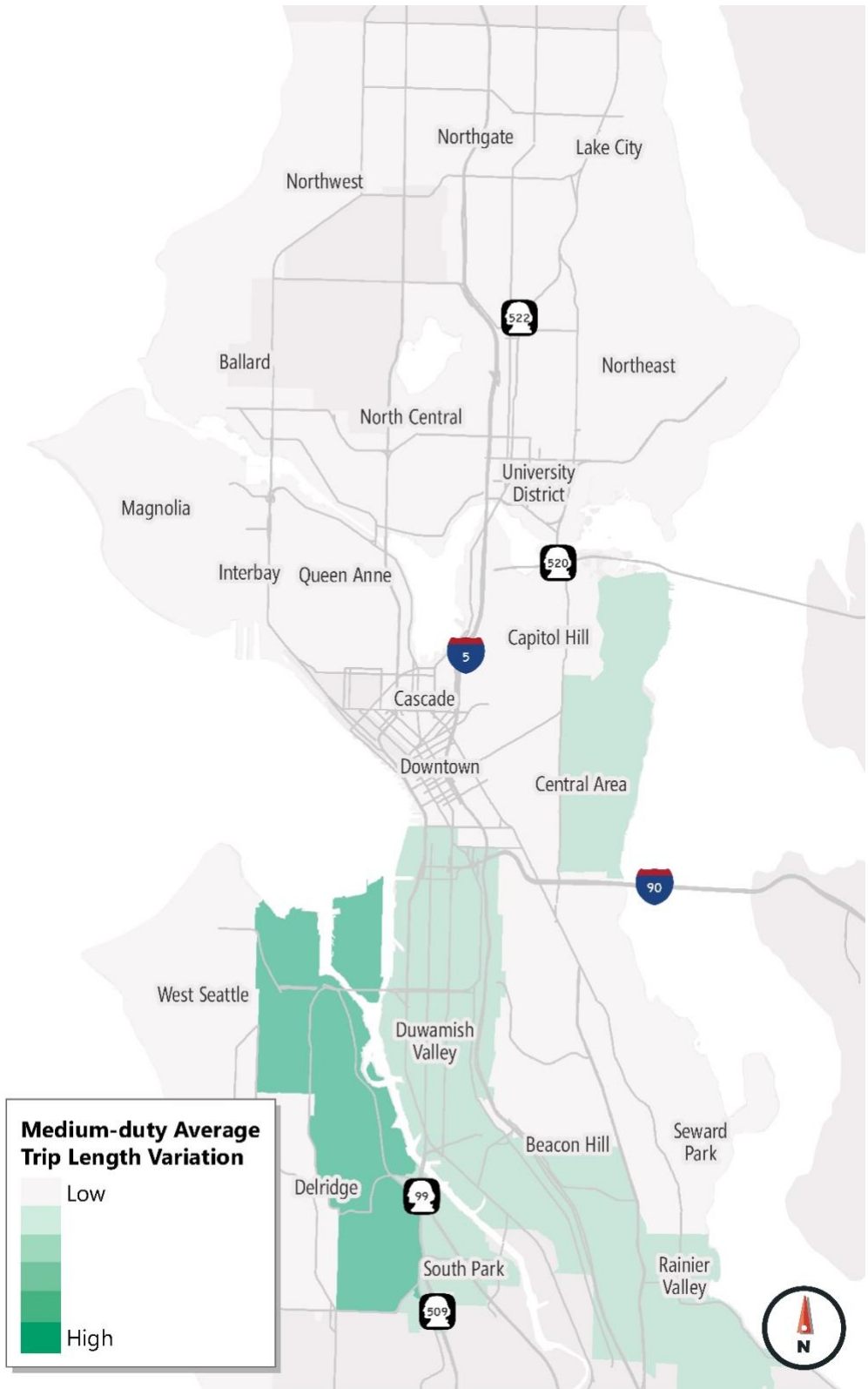
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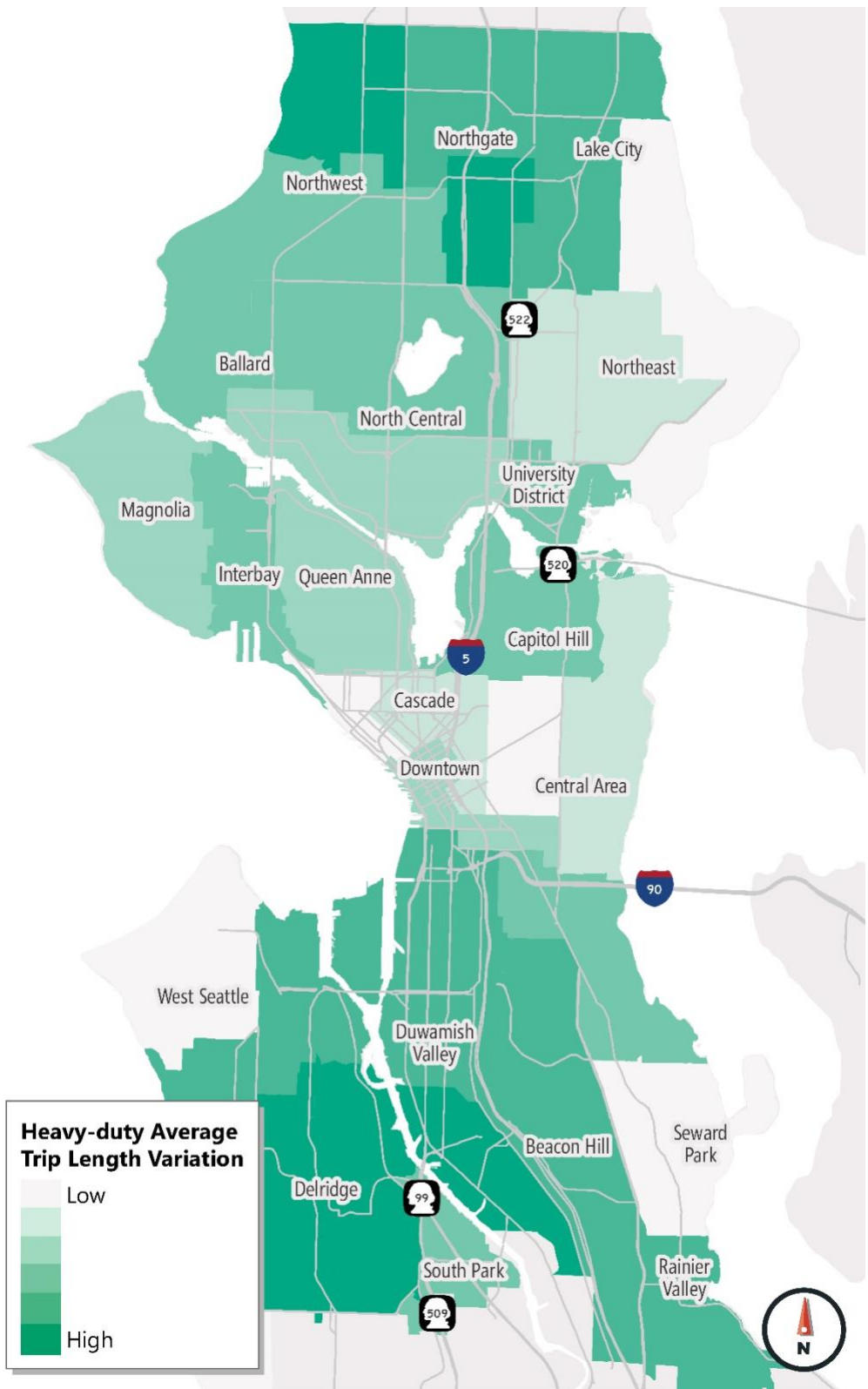
# Appendix A: Truck Trip Distribution





# Appendix B: Average Trip Length Variation

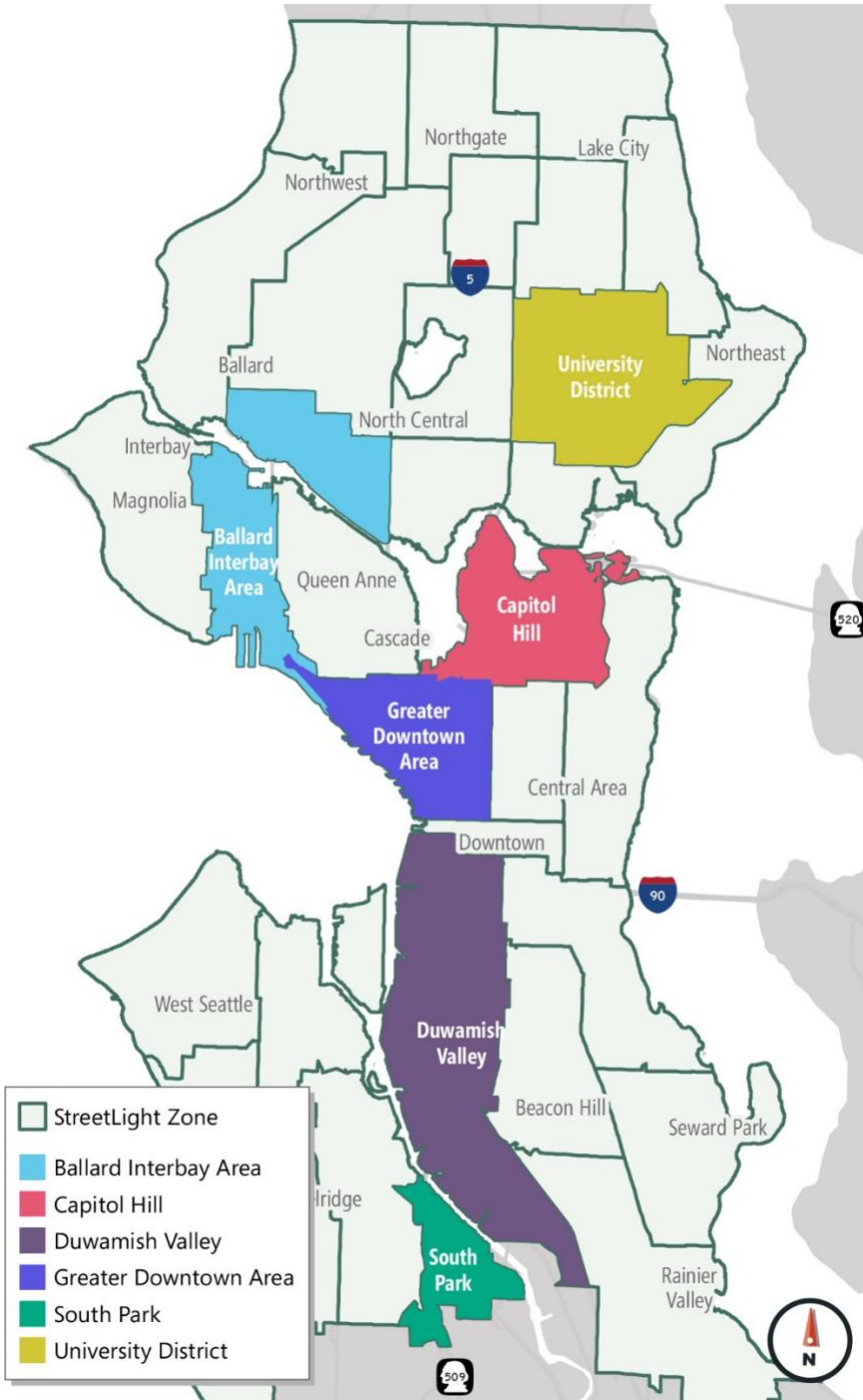






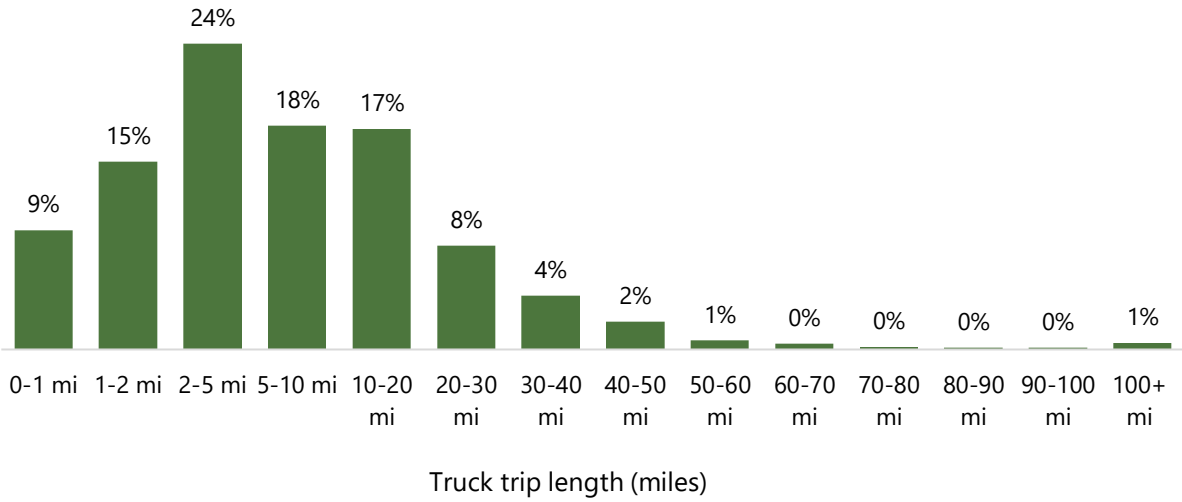
# Appendix C: Truck Trip Lengths

**StreetLight Data Zone System for the Seattle Zero Emission Freight Study <sup>1</sup>**

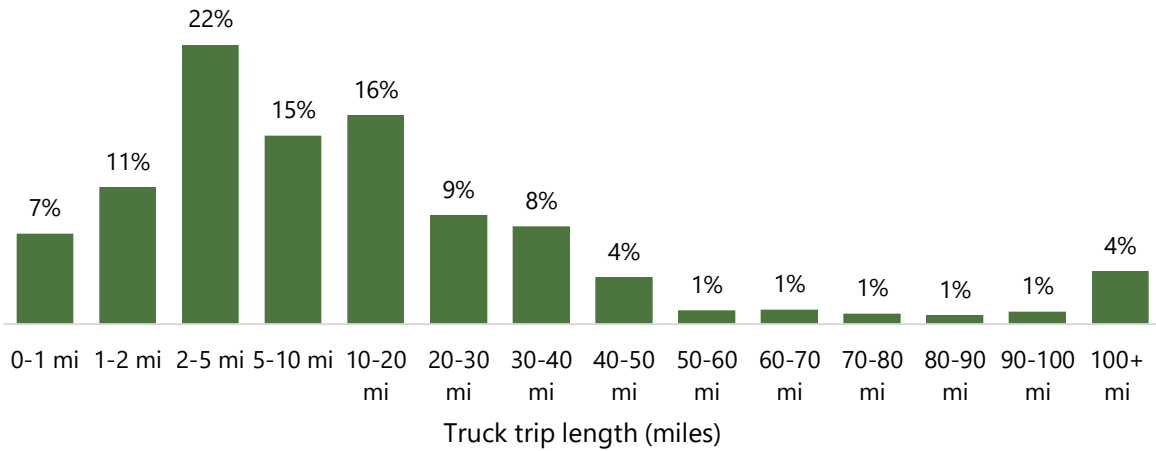


<sup>1</sup> The areas or zones highlighted in the map were selected to represent truck trip lengths based on varying land uses (Duwamish – manufacturing/industrial, South Park – residential/industrial, Ballard-Interbay – manufacturing/industrial, University District – major institution, Capitol Hill – residential, Greater Downtown Area – downtown).

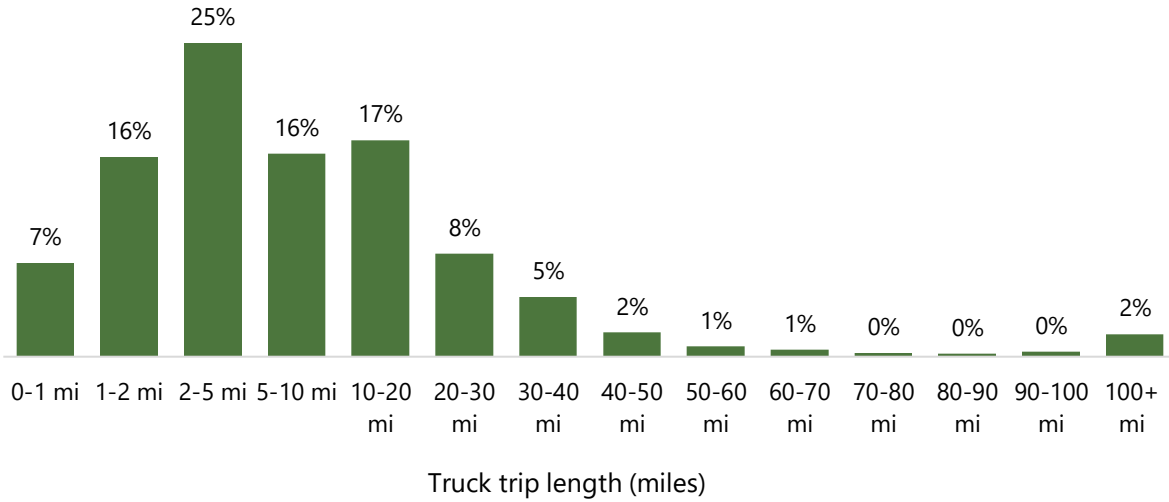
### Citywide: 2019 Medium Trucks Average Trip Length Bins



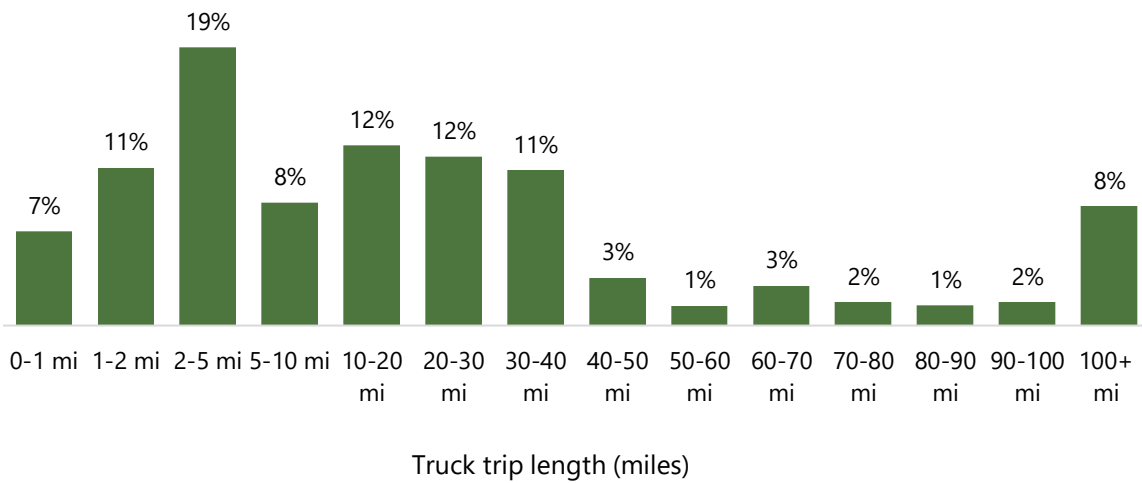
### Citywide: 2019 Heavy Trucks Average Trip Length Bins



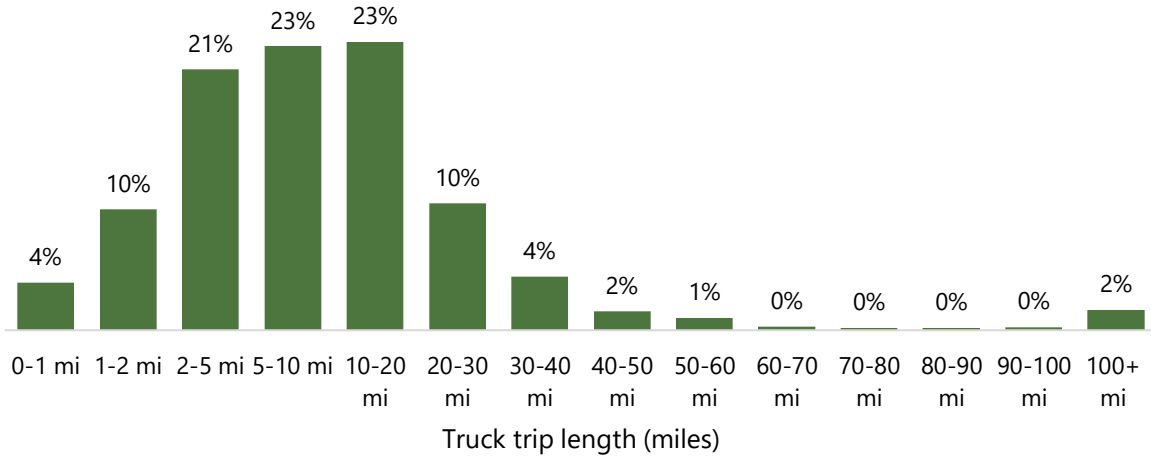
### Duwamish Valley: 2019 Medium Trucks Average Trip Length Bins



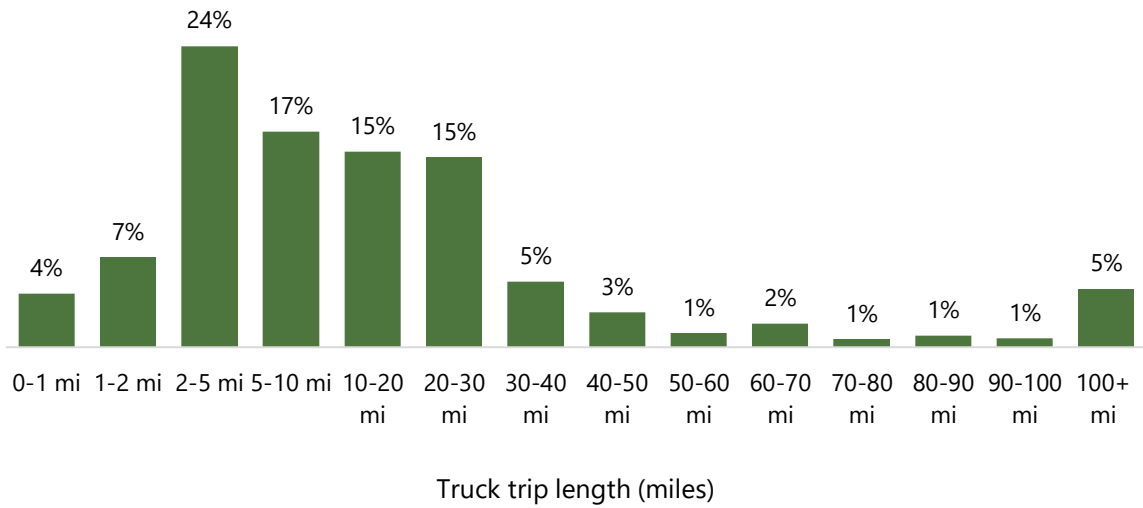
### Duwamish Valley: 2019 Heavy Trucks Average Trip Length Bins



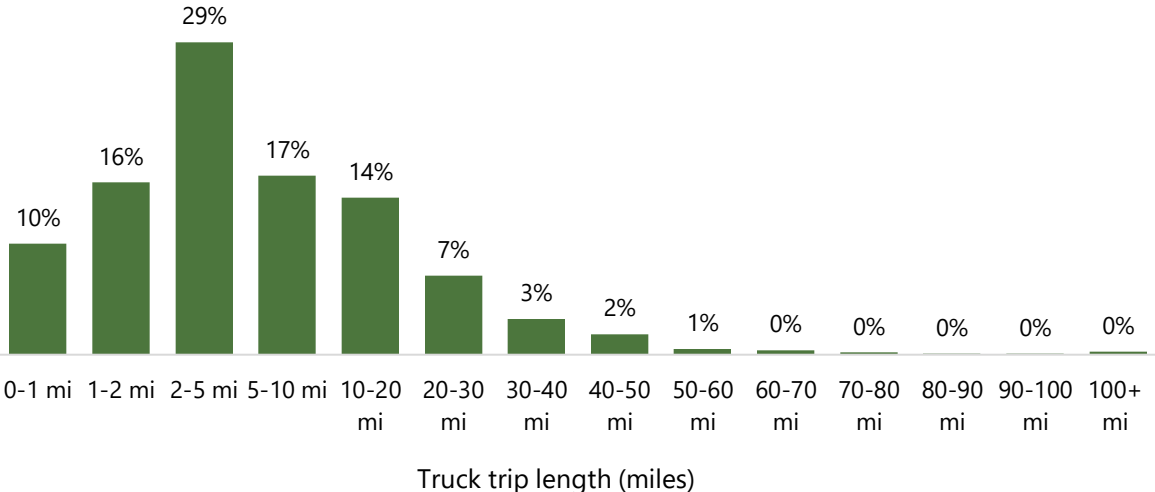
### South Park: 2019 Medium Trucks Average Trip Length Bins



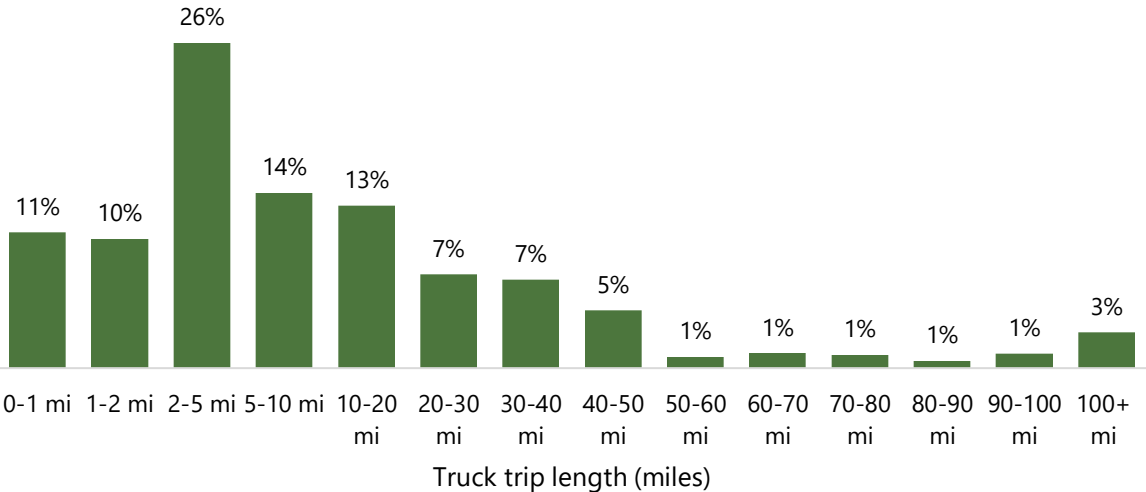
### South Park: 2019 Heavy Trucks Average Trip Length Bins



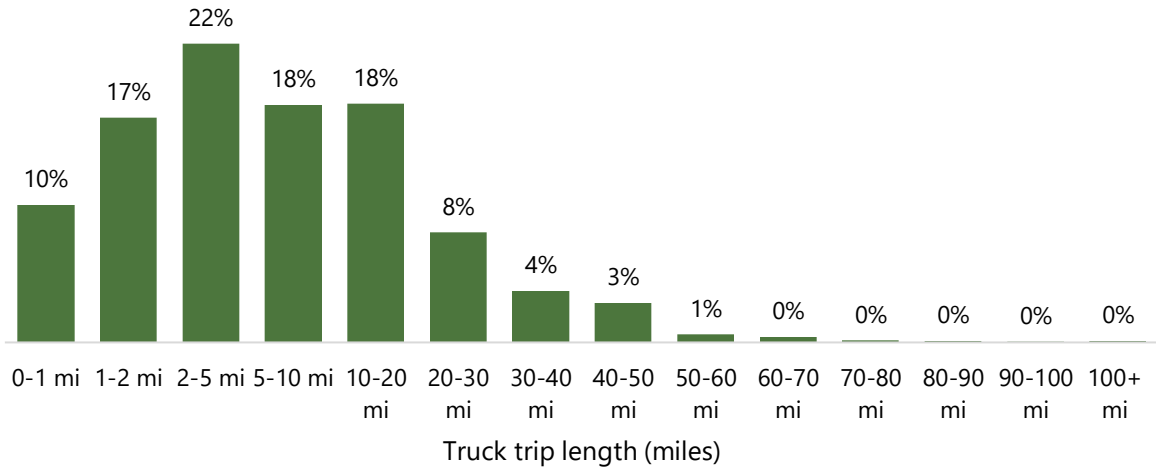
**Ballard-Interbay: 2019 Medium Trucks Average Trip Length Bins**



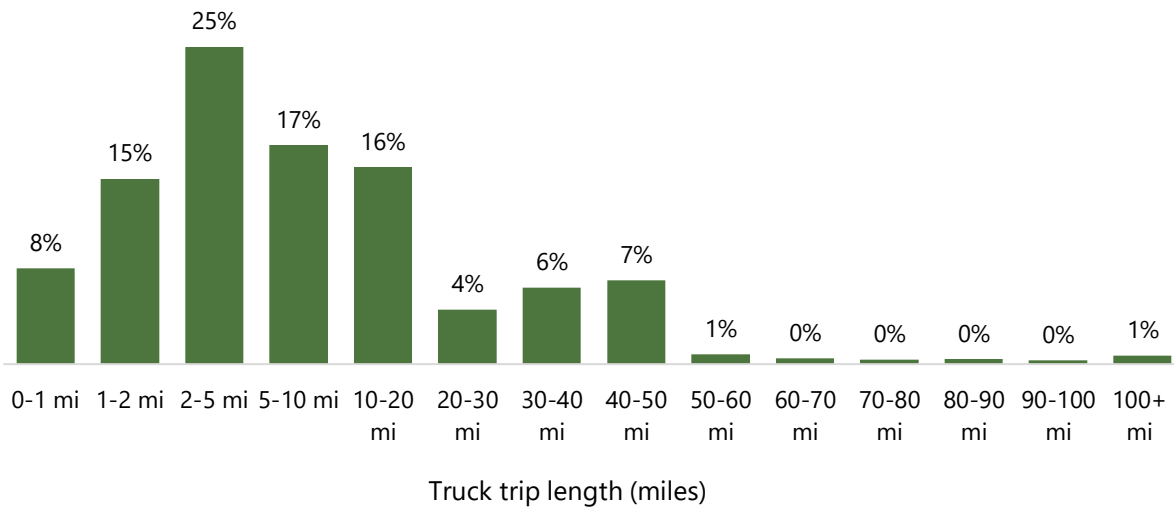
**Ballard-Interbay: 2019 Heavy Trucks Average Trip Length Bins**



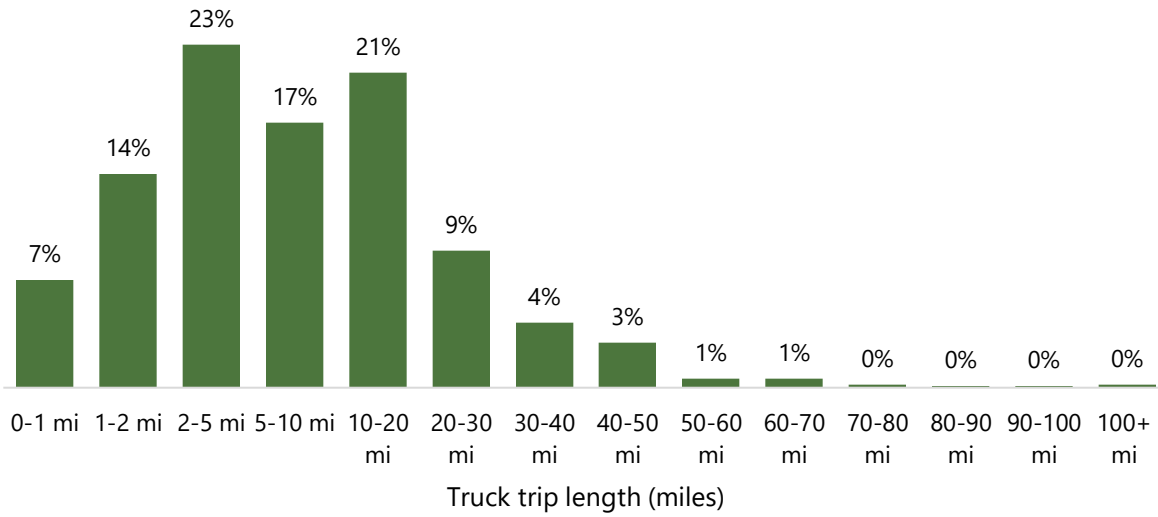
### University District: 2019 Medium Trucks Average Trip Length Bins



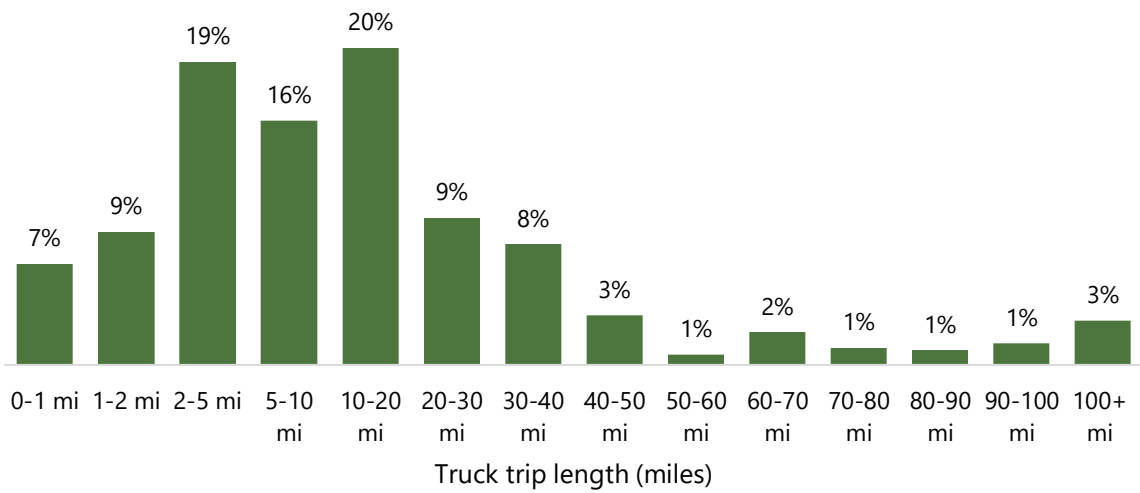
### University District: 2019 Heavy Trucks Average Trip Length Bins



### Capitol Hill: 2019 Medium Trucks Average Trip Length Bins

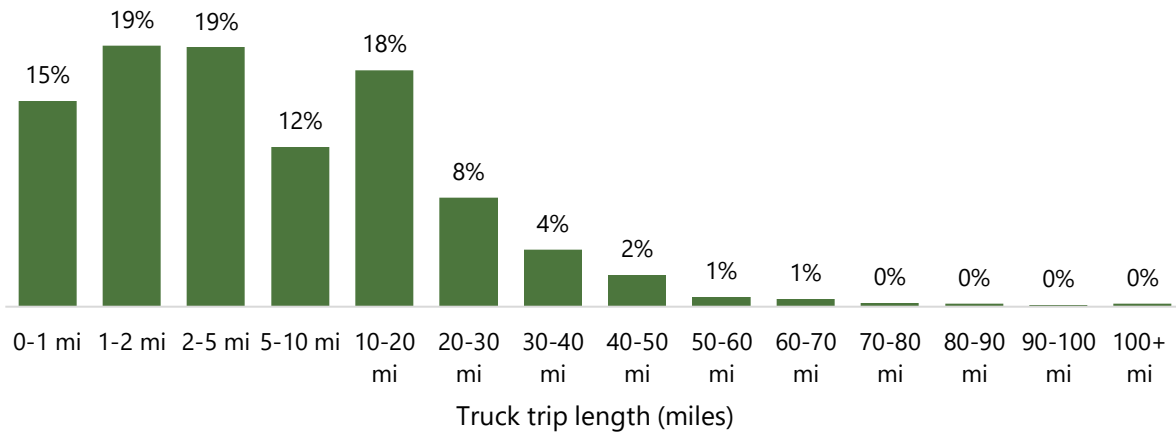


### Capitol Hill: 2019 Heavy Trucks Average Trip Length Bins

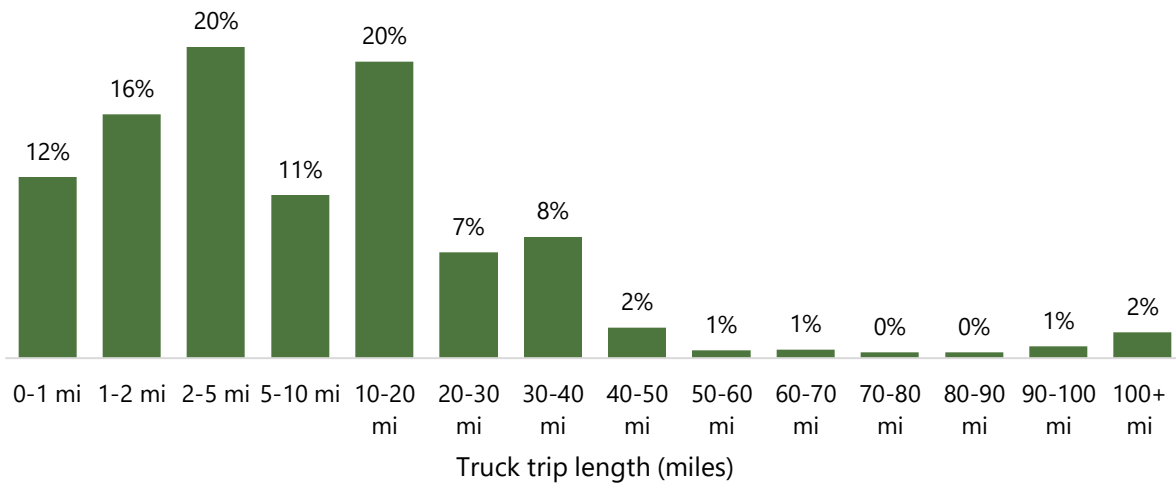




### Downtown Seattle: 2019 Medium Trucks Average Trip Length Bins

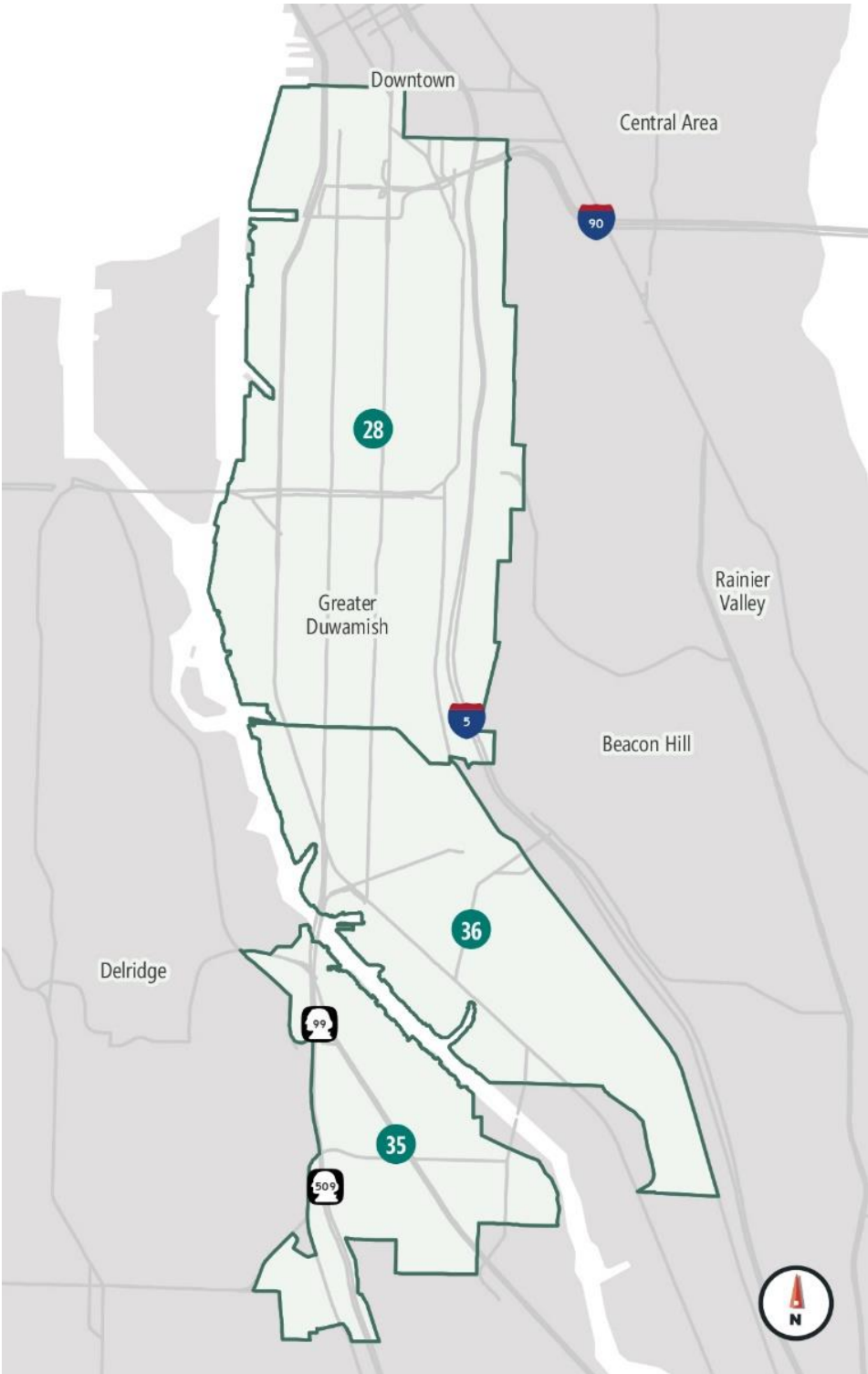


### Downtown Seattle: 2019 Heavy Trucks Average Trip Length Bins



# Appendix D: Pass-Through Trips in the Duwamish Valley

**Duwamish Valley Zones**



**Freight Traffic in the Duwamish Valley**

Area	Medium-duty Trucks		Heavy-duty Trucks	
	Pass-Through	Trip-end/ Trip start	Pass-Through	Trip-end/ Trip start
South Park (Zone 35)	75%	25%	80%	20%
Duwamish Valley (Zone 28)	60%	40%	70%	30%
Duwamish Valley (Zone 36)	60%	40%	50%	50%