

Lake Washington Blvd. Drainage Study Summary

Site	Issue	Problem	Description	Unit cost	
A	Pot Drains	<i>Mt. Baker Swimming Beach and south.</i> Pot Drains are inoperable causing flooding on both sides of the roadway. One system consists of one pot drain on each side of the road with a 6" connecting pipe under the road; outfall is located along the grass bank above the lake. A pot drain system is located every 70 feet along the boulevard in areas where there are no curbs and gutters.	<i>Replace one pot drain.</i> <i>Replace all pot drains</i>	\$6,250 \$103,800	\$103,800
	Entrance to Mt. Baker Swimming Beach	Rainwater from the roadway sheet flows down the driveway to the swimming beach parking lot. In doing so, it crosses the path of pedestrians using the asphalt trail alongside the boulevard.	<i>Replace an existing manhole cover with a circular grate and divert flow into this structure.</i>	\$500	\$500
B	Horton Loop	<i>Horton Place Loop. West side of boulevard.</i> Pot drain structure is missing.	<i>Remove and replace existing pot drain system. Install larger drainage structure. Conduct minor grading and lawn maintenance.</i>	\$12,500	\$13,850 \$12,500
C	Between 50th Avenue South and 51st Avenue South. West curb line.	The flat roadway and long path to the inlet causes standing water along the curb. A portion of the curb is also raised blocking the flow of water to the inlet.	<i>1. Remove existing curb inlet and lower existing storm drain manhole, replace solid cover with grate. Lower roadway by planing pavement, repair curb and gutter.</i> <i>2. Alternative Option, add extra inlet and outfall to the lake. 3. Add fill to lawn area and seed. 4. Install new catch basin and connect to existing storm drain sytem on 54th Avenue SW.</i>	1. \$14,500 2. \$13,900 3. \$13,850 4. \$ 3,543	3,543 \$14,500
D	S. Orcas Street	<i>Two "new" ADA ramps at S. Orcas Street. East curb line.</i> Settlement in the flat roadway prevents storm runoff to be conveyed to existing drains.	<i>Install curb penetrations near ADA ramps and low points. Repair roadway, plane pavement ridges.</i>	\$22,600	\$22,600
E	North of entrance to Seward Park	Due to the flat and undulating roadway, the storm water is not conveyed to the existing catch basin.	<i>1. Plane west half of existing roadway.</i> <i>2. Alternative Option, Install a new catch basin in the low point and connect to the existing catch basin.</i>	1. \$9,200 2. 12,677	\$9,200 12,677
					\$193,170