

# Happy Valley Draft TSDC Project List 2017

#	Project	Description	Total Project Cost	AUTO			PEDESTRIAN			BIKE			SDC ELIGIBLE	
				Total Auto Cost	% Auto SDC Eligible	\$ Auto SDC Eligible	Total Ped Cost	% Ped SDC Eligible	\$ Ped SDC Eligible	Total Bike Cost	% Bike SDC Eligible	\$ Bike SDC Eligible	Total % SDC Eligible	Total \$ SDC Eligible
I1	129th Avenue/Mt. Scott Boulevard/King Road	Install a traffic signal or roundabout, add eastbound right turn lane	\$1,500,000	\$1,500,000	100.00%	\$1,500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,500,000
I4	172nd Avenue/Rock Creek Boulevard	Add second eastbound left turn lane	\$200,000	\$200,000	100.00%	\$200,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$200,000
I5	172nd Avenue/Scouter Mountain Road**	Install a two-lane roundabout	\$1,500,000	\$1,500,000	100.00%	\$1,500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,500,000
I6	Sunnyside Road/169th Avenue	Install a traffic signal	\$500,000	\$500,000	100.00%	\$500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$500,000
I7	162nd Avenue/Rock Creek Boulevard	Install a traffic signal or roundabout	\$1,000,000	\$1,000,000	100.00%	\$1,000,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,000,000
I9	172nd Avenue/Misty Drive	Install a traffic signal	\$500,000	\$500,000	100.00%	\$500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$500,000
I10	172nd Avenue/Troge Road**	Install a traffic signal, rebuild creek bridges	\$8,000,000	\$8,000,000	100.00%	\$8,000,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$8,000,000
I11	172nd Avenue/Hemrick Road**	Install a two-lane roundabout	\$1,500,000	\$1,500,000	100.00%	\$1,500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,500,000
I12	172nd Avenue/172nd-190th Connector**	Install a two-lane roundabout	\$1,500,000	\$1,500,000	100.00%	\$1,500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,500,000
I13	172nd Avenue/Sager Road**	Install a one-lane roundabout	\$1,000,000	\$1,000,000	100.00%	\$1,000,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,000,000
I14	172nd Avenue/Cheldelin Road**	Install a traffic signal	\$500,000	\$500,000	100.00%	\$500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$500,000
I15	Foster Road/172nd-190th Connector**	Install a two-lane roundabout	\$1,500,000	\$1,500,000	100.00%	\$1,500,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,500,000
I16	147th Avenue/Scouters Mountain Road	Install a traffic signal or roundabout	\$1,000,000	\$1,000,000	100.00%	\$1,000,000	\$0	100.00%	\$0	\$0	100.00%	\$0	100.00%	\$1,000,000
W2	172nd Avenue Widening South*	Widen to 5-lane facility between Sunnyside Road and 172nd-190th Connector Road	\$16,200,000	\$8,217,391	100.00%	\$8,217,391	\$5,165,217	100.00%	\$5,165,217	\$2,817,391	100.00%	\$2,817,391	100.00%	\$16,200,000
W3	172nd Avenue Widening North*	Widen to 3-lane facility between 172nd-190th Connector to Cheldelin Road	\$5,100,000	\$2,586,957	100.00%	\$2,586,957	\$1,626,087	100.00%	\$1,626,087	\$886,957	100.00%	\$886,957	100.00%	\$5,100,000
W4	122nd/129th Avenue Widening	Widen to 3-lane facility between Sunnyside Road and King Road and smooth curves	\$5,400,000	\$2,739,130	100.00%	\$2,739,130	\$1,721,739	100.00%	\$1,721,739	\$939,130	100.00%	\$939,130	100.00%	\$5,400,000
W5	King Road Widening	Widen to a continuous 3-lane facility cross-section between 129th Avenue and 145th Avenue	\$3,900,000	\$1,978,261	45.26%	\$895,418	\$1,243,478	100.00%	\$1,243,478	\$678,261	100.00%	\$678,261	72.23%	\$2,817,158
W6	132nd Avenue Widening*	Widen to 3-lane facility from Clatsop Street to King Road	\$4,900,000	\$2,485,507	34.53%	\$858,277	\$1,562,319	100.00%	\$1,562,319	\$852,174	100.00%	\$852,174	66.79%	\$3,272,769
W7	145th Avenue Widening	Widen to 3-lane facility from Clatsop Street to Monner Road	\$8,300,000	\$4,210,145	47.62%	\$2,004,752	\$2,646,377	100.00%	\$2,646,377	\$1,443,478	100.00%	\$1,443,478	73.43%	\$6,094,607
W9	162nd Avenue Widening	Widen to 3-lane facility from Palermo Avenue to Hagen Road	\$2,400,000	\$1,217,391	79.43%	\$967,026	\$765,217	100.00%	\$765,217	\$417,391	100.00%	\$417,391	89.57%	\$2,149,634
R1	Clatsop Street Extension East	Construct a new 3-lane facility between 162nd Avenue and 172nd Avenue. May follow a portion of Baxter Road right-of-way	\$2,800,000	\$1,420,290	100.00%	\$1,420,290	\$892,754	100.00%	\$892,754	\$486,957	100.00%	\$486,957	100.00%	\$2,800,000
R3	162nd Avenue Extension North*	Construct a new 2/3-lane facility between Hagen Road and Clatsop Street	\$7,700,000	\$3,905,797	100.00%	\$3,905,797	\$2,455,072	100.00%	\$2,455,072	\$1,339,130	100.00%	\$1,339,130	100.00%	\$7,700,000
R4	162nd Avenue Extension South*	Construct a new 3-lane facility 157th Avenue to Highway 212	\$19,600,000	\$9,942,029	100.00%	\$9,942,029	\$6,249,275	100.00%	\$6,249,275	\$3,408,696	100.00%	\$3,408,696	100.00%	\$19,600,000
R5	Sager Road Extension East	Construct a new 3-lane east-west facility from 172nd Avenue to Foster Road	\$2,000,000	\$1,014,493	100.00%	\$1,014,493	\$637,681	100.00%	\$637,681	\$347,826	100.00%	\$347,826	100.00%	\$2,000,000
R6	Sager Road Extension West	Upgrade to a 2-lane east-west facility from 162nd Avenue to 172nd Avenue	\$2,000,000	\$1,014,493	100.00%	\$1,014,493	\$637,681	100.00%	\$637,681	\$347,826	100.00%	\$347,826	100.00%	\$2,000,000
R8	Wooden Heights Road	Construct a new 2-lane east-west facility from 162nd Avenue to 177th Avenue	\$1,100,000	\$557,971	100.00%	\$557,971	\$350,725	100.00%	\$350,725	\$191,304	100.00%	\$191,304	100.00%	\$1,100,000
R9	Hemrick Road Extension	Construct a new 3-lane east-west facility from 162nd Avenue to 177th Avenue	\$2,200,000	\$1,115,942	100.00%	\$1,115,942	\$701,449	100.00%	\$701,449	\$382,609	100.00%	\$382,609	100.00%	\$2,200,000
R10	Scouters Mountain Road	Construct a new east-west 2/3-lane facility over Scouter's Mountain between 147th Avenue and 177th Avenue	\$9,500,000	\$4,818,841	100.00%	\$4,818,841	\$3,028,986	100.00%	\$3,028,986	\$1,652,174	100.00%	\$1,652,174	100.00%	\$9,500,000
R11	Troge Road Extension*	Construct a new 3-lane facility between 162nd Avenue and 177th Avenue, construct new bridge over Rock Creek at 172nd Avenue	\$2,900,000	\$1,471,014	100.00%	\$1,471,014	\$924,638	100.00%	\$924,638	\$504,348	100.00%	\$504,348	100.00%	\$2,900,000
R12	169th Avenue Extension	Construct a new 3-lane facility from Misty Drive to 177th Avenue	\$4,300,000	\$2,181,159	100.00%	\$2,181,159	\$1,371,014	100.00%	\$1,371,014	\$747,826	100.00%	\$747,826	100.00%	\$4,300,000
R13	Misty Drive Extension*	Construct a new 3-lane east-west facility from 162nd Avenue and 177th Avenue	\$10,100,000	\$5,123,188	100.00%	\$5,123,188	\$3,220,290	100.00%	\$3,220,290	\$1,756,522	100.00%	\$1,756,522	100.00%	\$10,100,000

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				Total Auto Cost	% Auto SDC Eligible	\$ Auto SDC Eligible	Total Ped Cost	% Ped SDC Eligible	\$ Ped SDC Eligible	Total Bike Cost	% Bike SDC Eligible	\$ Bike SDC Eligible	Total % SDC Eligible	Total \$ SDC Eligible	
R16	Rock Creek Boulevard West Extension*	Construct a new 5-lane east-west facility from 162nd Avenue to the Sunrise Corridor Rock Creek interchange	\$2,600,000	\$1,318,841	100.00%	\$1,318,841	\$828,986	100.00%	\$828,986	\$452,174	100.00%	\$452,174	100.00%	\$2,600,000	
R17	Rock Creek Boulevard East*	Construct a new 3-lane east-west facility from 172nd Avenue to 177th Avenue	\$2,800,000	\$1,420,290	100.00%	\$1,420,290	\$892,754	100.00%	\$892,754	\$486,957	100.00%	\$486,957	100.00%	\$2,800,000	
R19	Parklane Drive North Extension	Construct a new 3-lane north-south facility from 162nd Avenue to Stadium Way	\$2,300,000	\$1,166,667	100.00%	\$1,166,667	\$733,333	100.00%	\$733,333	\$400,000	100.00%	\$400,000	100.00%	\$2,300,000	
R23	Sunnyside East Extension*	Construct a new alignment to the east to Foster Road	\$10,400,000	\$5,275,362	100.00%	\$5,275,362	\$3,315,942	100.00%	\$3,315,942	\$1,808,696	100.00%	\$1,808,696	100.00%	\$10,400,000	
<b>Total Project Count</b>			<b>35</b>	<b>\$148,700,000</b>	<b>\$85,381,159</b>	<b>93.95%</b>	<b>\$80,215,327</b>	<b>\$40,971,014</b>	<b>100.00%</b>	<b>\$40,971,014</b>	<b>\$22,347,826</b>	<b>100.00%</b>	<b>\$22,347,826</b>	<b>96.53%</b>	<b>\$143,534,168</b>

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## How Happy Valley Transportation SDC Cost Estimates Were Developed

The Happy Valley Transportation System Development Charge (TSDC) project list includes planning-level cost estimates that were developed from the 2014 Happy Valley Transportation System Plan (TSP) update. Planning-level costs were calculated based on the length of the project, cross-section, and its design elements, and applying average unit costs for construction.

The 2014 TSP Update costs estimates were either an updated version of the 2006 TSP costs, with inflation factors that consider changes in the WSDOT Construction Cost Index, or they were taken from the 172nd Avenue / 190th Avenue Corridor Master Plan. The 2017 TSDC update was based on more recent unit costs of intersection improvement projects in the area. Project extents and design elements were updated to reflect the latest project assumptions where appropriate. Additional rounding adjustments were made based on engineering judgement. Completed projects have been removed. The attached list includes each TSDC project, estimated cost, and primary source for the cost estimate.