

Working Draft - For Preliminary Review Purposes Only



Table 4 - Level II Potential Retrofit Project Site Evaluation

Potential Retrofit Projects				Other Planned Projects ^a	Level II Potential Retrofit Project Evaluation (Weighted Scores) ^b										
Rank	Retrofit Project ID	Location	Potential Retrofit Opportunities	Proposed Improvements	5%	10%	5%	5%	5%	25%	20%	10%	15%	100%	Weighting Factors
					Available Space	Ease of Funding	Land Ownership	Constructability	Property Risk	Local/Subbasin Retrofit Need	Impervious Area Managed	Educational Opportunities	Helps Achieve Multiple Goals	Total	Notes
1	B-29	Moshier Park (430 S 156th St)	Infiltration gallery, permeable parking, bioretention	Improve parking and construct bioretention	15	30	15	15	15	75	60	30	45	300	The Burien Parks Department plans to convert the fields to artificial turf using the same footprint. They are also interested in either an infiltration gallery or rainwater harvesting facility.
2	B-31	Moshier Community Art Center (430 S 156th St)	Rainwater cistern, permeable pavement, bioretention	Improve parking, construct bioretention, and potentially improve Art Center building	15	30	10	15	15	75	60	30	45	295	The park parking lot, which is in poor condition, is shared between the City of Burien and the Highline School District. Retrofits would require inter-jurisdiction coordination.
3	B-20	6th Ave SW from SW 153rd St to SW 146th St	Permeable pavement (permeable sidewalk, parking), bioretention, and Silva Cells	Construct sidewalks and bicycle lanes on both sides of the street	15	30	15	15	15	75	60	20	45	290	Existing curb bulb-outs on the intersection of 6th Ave SW and SW 150th St appear to be new, but could be converted to bioretention bulb-outs. Two mature trees south of the SW 152nd St and 6th Ave SW intersection would need to be protected during construction.
4	B-27	S 152nd St from 1st Ave S to Des Moines Memorial Drive	Permeable bicycle lane, permeable parking, Silva Cells, bioretention	Connect existing intermittent sidewalks and construct bicycle lane on both sides of roadway	10	30	15	15	15	75	60	20	45	285	Potential partnership opportunity with Highline High School. The portion of the project area that crosses over Highway 509 would not be suitable for infiltration.
5	B-24	12th Ave SW from SW 152nd St to SW 148th St	Permeable bicycle lane, permeable sidewalk, bioretention, and Silva Cell	Construct sidewalks and bicycle lanes on both sides of the street	15	30	15	15	15	50	60	20	45	265	
6	KC-47	King County District Court (601 SW 149th St & 14905 6th Ave SW)	Bioretention, additional storage, and permeable parking	Replacing existing parking lot on the south side of the courthouse	15	30	10	15	15	75	40	30	30	260	Existing on-site ditch/pond could be modified or expanded to allow additional stormwater runoff to be diverted from SW 148th St. Valuable trees to be protected during construction.
7	B-50	John F. Kennedy Catholic High School (140 S 140th St)	Permeable parking, bioretention, infiltration gallery, rainwater cisterns	Potential upgrade to playground and athletic fields.	15	10	5	15	15	75	60	30	30	255	Private school; track and ball field improvements have already begun.
8	B-39	S 160th St from 1st Ave S to Des Moines Memorial Drive	Permeable pavement, Silva Cells	Construct sidewalk to connect intermittent gaps and ADA compliant pedestrian ramps	15	20	15	15	15	75	60	10	30	255	The portion of the project area that crosses over Highway 509 would not be suitable for infiltration.
9	B-21	Burien Community Center	Permeable parking, bioretention rainwater cisterns	N/A	15	20	15	15	15	75	40	30	30	255	Parking lot is newer. There are opportunities to convert the existing swale to bioretention, roof cisterns, and interpretive signage. Valuable trees need to be protected during construction.
10	B-3	1st Ave S from SW 116th St to SW 128th	Roadway bioretention, permeable pavement, and Silva Cells	Reconstruct roadway to principal arterial standards including pedestrian, stormwater detention and water quality facilities, landscaping, driveway consolidation, and overhead to underground utility conversion.	10	30	15	5	5	75	60	10	45	255	
11	NP-2	City Hall Park (801 SW 174th St)	Rainwater cisterns, vegetated roofs, bioretention, permeable parking, infiltration gallery	Repair walking trail, sports field improvement, parking extension	15	30	15	15	15	25	60	30	45	250	
12	B-10	1st Ave S from SW 128th to SW 140th St	Bioretention	Reconstruct roadway including storm drainage conveyance, flow control and water quality facilities, and landscaping	15	30	15	15	15	25	60	30	45	250	Public education nodes could be included along the project.
13	B-19	SW 146th St from 1st Ave S to 14th Ave SW	Permeable bicycle lane, permeable sidewalk, Silva Cells	Constructed bicycle lanes and sidewalks on both sides of street	5	10	15	15	15	75	60	10	45	250	Limited available space east of 6th Ave SW.

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14	NP-10	SW Normandy RD west of 4th Ave S to 8th Avenue SW	Permeable sidewalks, bioretention, Silva Cells	Install curb and gutter, ADA compliant pedestrian improvements	15	30	15	5	15	50	60	10	45	245	Downgradient properties on the north side of the roadway. Facilities may require weirs due to steep roadway slope.
15	B-28	Highline Performing Arts Center (401 S 152nd St)	Rainwater cistern	Constructing an addition onto the existing building	15	10	5	15	15	75	60	30	15	240	
16	B-26	2nd Ave SW from SW 150th St to SW 156th St	Permeable bicycle lane, permeable pavement, and Silva Cells	Construct sidewalks and bicycle lanes on both sides of the street	10	30	15	5	10	75	40	10	45	240	Permeable sidewalk would require subsurface weirs due to roadway slope.
17	B-6	Puget Sound Park (135 SW 126th St)	Deep infiltration, permeable pavement, bioretention, and conveyance improvements	Improve parking, drainage, and sport courts; and conduct trail maintenance	15	20	15	10	15	25	60	30	45	235	Burien staff indicated there are many major utilities running through the site.
18	B-41	16th Ave SW from SW 160th to SW 168th St	Permeable pavement, roadway bioretention, and Silva Cells	Reconstruct roadway including curb and gutter and major drainage replacement	15	30	15	15	15	50	40	10	45	235	Limited opportunities due to steep roadway slope south of the school.
19	B-32	SW/S 156th St/Ambaum Blvd SW from SW 154th St to Des Moines Memorial Drive	permeable pavement, bioretention	Construct bicycle lane, sidewalk, planter strip	5	20	15	15	15	50	60	20	30	230	The portion of the project area that crosses over Highway 509 would not be suitable for infiltration.
20	B-23	SW 152nd St from 10th Ave SW to 22nd Ave SW	Bioretention, permeable parking	Improve roadway with sidewalks, parking, bicycle lane, planter strip	10	30	15	15	10	25	60	20	45	230	The City of Burien has received numerous complaints about local flooding in the area.
21	B-25	SW 150th St from 1st Ave S to Ambaum Blvd SW	Permeable pavement, Silva Cells, and permeable sidewalk	Fill in gaps in intermittent sidewalks and make ADA improvements	5	30	15	10	15	75	20	10	45	225	
22	S-1	Des Moines Memorial Drive, between S 128th Street and S 144th Street	Bioretention, Silva Cells, permeable walking path	None	15	10	15	15	15	50	60	10	30	220	The wetland northwest of the intersection of S 146th St and Des Moines Memorial Drive is not being considered for restoration due to private land ownership. Although project provides opportunities for siting LID facilities, the benefits may be low due to low connectivity to storm conveyance systems.
23	W-1	SR 509 from S 120th St to Des Moines Memorial Drive	Bioretention, permeable pavement (median and shoulder)	None	15	20	15	15	15	25	60	10	45	220	
24	B-22	S & SW 146th St from Ambaum Blvd SW to 8th Ave S	Permeable pavement, Silva Cells	Repair existing sidewalks and make ADA improvements	5	10	15	5	15	75	60	10	15	210	The portion of the project area that crosses over Highway 509 would not be suitable for infiltration. Facilities may require weirs to accommodate hilly topography.
25	B-40	SW 165th St from 16th Ave SW to 19th Ave SW	Permeable parking, bioretention	Regrade roadway to drain to the center and construct a storm drainage system	10	10	15	15	15	50	40	10	45	210	Downgradient properties on the south side of roadway.

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26	W-2	SR 518 from 1st Ave S to S 154th St	Bioretention, permeable shoulders	None	15	20	15	15	15	25	60	10	30	205	Coordination with WSDOT would be required. The portion of the project area that crosses over Highway 509 would not be suitable for infiltration.	
27	NP-8	1st Ave S from SW Normandy Road to 186th Ave SW	Permeable sidewalks and bioretention	Improve safety and mobility of roadway by adding permeable sidewalks, storm drainage, street trees, landscaped medians, and ADA compliant facilities	15	20	15	15	15	25	40	10	45	200		
28	B-44	4th Ave S from S 168th St to S 165th St	Permeable pavement, bioretention, Filterra	Construct storm drainage and water quality facilities	10	20	15	15	15	25	40	10	45	195		
29	B-38	4th Ave SW from SW 153rd St to SW 160th St	Permeable bicycle lane, permeable pavement, Silva Cells	Reconstruct roadway to include storm drainage, curb and gutter, bicycle lanes, and sidewalk	5	10	15	5	5	50	40	10	45	185	Site located near Burien outlet tributary and could help improve hydrology.	
30	NP-1	SW Suburban Sewer District Treatment Plant	Permeable pavement, roadway bioretention	None	5	10	15	15	15	25	40	10	15	150		

Notes:
CIP Capital Improvement Project
MVSA Manhattan Village Sub-Area
N/A Not Applicable or Not Available
TIP Transportation Improvement Project
WSDOT Washington State Department of Transportation
a - Other Planned Projects are based on the City of Burien's TIP (2014-2019), Recreation and Open Space Plan (2000), and Bicycle and Pedestrian Facilities Plans (2004); the City of Normandy Park's TIP (2003-2008); and meetings with City of Burien, Normandy Park and King County staff.
b - Weighted Scores calculated by multiplying unweighted scores by weighting values for each criterion for each project. See Table 3 for Level II criteria scores and weighting values.