

King County Flood Control District Advisory Committee Preliminary 2010 6-Year Capital Improvement Program

Project #	Basin	Project Start Year	Project Name	Project Description and Purpose	Flood Risk Reduction %	Implementation %
FL5001	Cedar - Samm	2008	Willowmoor Floodplain Restoration	Reconfigure the outlet of Lake Sammamish to improve conveyance and reduce flooding problems around the lake.	58%	Not applied until 2009
FL6001	Cedar - Samm	2008	Issaquah Creek Streambank Stabilization	Stabilize bank at three sites along Issaquah Creek where roads and other infrastructure are at risk from erosion.	82%	Not applied until 2009
FL7001	Cedar - Samm	2008	Cedar Grove Mobile Home Park Acquisition	Purchase homes and property that are subject to extreme flooding.	76%	Not applied until 2009
FL7002	Cedar - Samm	2008	Cedar Rapids Levee Setback	Provide local match for \$1.5 M levee set back project designed to improve flood conveyance and capacity.	63%	Not applied until 2009
FL7003	Cedar - Samm	2008	Cedar River Flood Damage Repairs	Complete five Cedar River flood protection facility repair projects.	97%	Not applied until 2009
FL7004	Cedar - Samm	2008	Cedar River Repetitive Loss Mitigation	Purchase or otherwise mitigate flood risks to nine repetitive loss properties.	74%	Not applied until 2009
FL7005	Cedar - Samm	2008	Elliott Bridge Levee Setback and Acquisition	Complete hazard mitigation projects (buyouts, levee setback, etc) for repetitive loss reach currently constrained by armored banks that do not offer adequate flood risk reduction.	79%	Not applied until 2009
FL7006	Cedar - Samm	2008	Rainbow Bend Levee Setback and Floodplain Reconnection	Setback levee to improve conveyance and floodplain capacity.	76%	Not applied until 2009
FL7015	Cedar - Samm	2009	Herzman Levee Setback & Floodplain Reconnection	Setback levee to reduce erosive forces of the river on the Cedar River Trail and SR-169.	76%	51%
FL7016	Cedar - Samm	2009	Jan Road-Rutledge Johnson Levee Setbacks	Remove portions of levees that only protect open space. Segments of existing levees constrict conveyance and direct erosive flood flows into the Cedar River Trail and SR-169.	76%	44%
FL7028	Cedar - Samm	2009	Cedar River Trail 1 Repair	Repair slump of oversteepened river bank adjacent to water supply line.	100%	69%
FL7029	Cedar - Samm	2009	Cedar River Trail 3 Repair	Repair needed for levee settlement, missing toe rock and oversteepened bank.	100%	69%
FL7030	Cedar - Samm	2009	Orchard Grove Repair	Repair damage in two locations: a slump on the levee face with cracks in trail and a sinkhole in back of levee.	53%	46%
FL7031	Cedar - Samm	2009	Petorak-Wadhams Repair	Levee settlement and sinkholes, missing toe rock, failed culvert and flapgate system (S 277th St. to 32nd St NE at Riverpoint Park)	63%	64%
FL7032	Cedar - Samm	2009	Rhode Levee Repair	Repair damage to top-of-bank and backslope.	61%	46%
FL7033	Cedar - Samm	2009	Jan Road Repair	Repair slumping in five locations	55%	62%
FL7034	Cedar - Samm	2009	Byers Curve Repair	Repair slump in rivebank adjacent to Green River Trail threatens trail and adjacent commercial property.	66%	64%
FL7035	Cedar - Samm	2009	Rainbow Bend Repair	Slumping in three areas, severe in places.	47%	44%
FL7036	Cedar - Samm	2009	Lower Dorre Don Repair	Lower slope erosion and undercutting of toe, lower and upper slope slumping, deep-seated cracks developing in paved trail section.	45%	51%
FL7014	Cedar - Samm	2010	Dorre Don Meanders- Phase 1	Purchase flood-prone properties in lower Dorre Don area and, where possible, modify levees to improve flood conveyance.	79%	69%
FL7018	Cedar - Samm	2010	Cedar River Gravel Removal	Periodic gravel removal from the lower Cedar River to maintain 100-year flood protection.	89%	28%
FL7037	Cedar - Samm	2010	Rhode Levee Setback and Home Buyouts	Purchase homes along path of fastest, deepest flood flow and set back levee.	68%	46%
FL7038	Cedar - Samm	2010	Herzman	Repair damage to levee toe and bank. Combine with the levee setback project scheduled for 2010.	61%	54%
FL7040	Cedar - Samm	2010	Cedar Pre-Construction Strategic Acquisition	Acquire land necessary for capital projects: Lower Jones Road Setback (FL7020), Maplewood (FL7022), Dorre Don/Byers Bend (FL7039), Riverbend Mobile Home Park (FL7021), Rhode (FL7037).	84%	49%
FL6002	Cedar - Samm	2013	Issaquah Creek Repetitive Loss Mitigation	Elevate homes or otherwise mitigate flood risks to two repetitive loss properties.	74%	56%
FL7017	Cedar - Samm	2013	Maplewood Acquisition and Levee Setback Phase 1 Alternatives Evaluation	Evaluate hazard reduction options in neighborhood at risk of flooding due to landslide and rapid channel change.	84%	46%
FL7020	Cedar - Samm	2014	Lower Jones Road Setback	Purchase the homes and property and set back road and associated revetment to improve conveyance and capacity.	79%	51%

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FL7021	Cedar - Samm	2014	Riverbend Mobile Home Park Acquisition and Levee Setback	Purchase property underlying only 19 most at risk mobile homes, recontour existing revetment to reduce erosion, flood damage and improve flood conveyance. Alternatively, purchase all property and remove all mobile homes and the revetment.	82%	46%
FL7024	Cedar - Samm	2014	Bellevue - Lower Coal Creek Phase 1	Increase the storage capacity of the regional pond while maintaining fish passage to effectively reduce flow rates to protect private property and maintain stream channel capacity.	71%	18%
FL7039	Cedar - Samm	2014	Dorre Done Phase 2	Acquire flood-prone properties in lower Dorre Don area and modify levees and restore floodplain where feasible to reconnect areas of the floodplain with the river for conveyance.	79%	49%
FL7019	Cedar - Samm	2015	Lower Lions Club	Purchase flood-prone homes	66%	44%
FL7022	Cedar - Samm	2015	Maplewood Acquisition and Levee Setback Phase 2	Purchase flood prone homes and, where possible, restore floodplain function.	84%	46%
FL7023	Cedar - Samm	2015	Renton- Cedar River Bridge Flood Reduction Project	Cost-share to reconstruct the bridges to an elevation above the new floodplain	66%	18%
FL8002	Green	2008	Alaskan Way Seawall Replacement Feasibility and Design	Feasibility and design analysis for the seawall replacement. Purpose of replacement is to protect transportation, utilities, and private infrastructure	100%	Not applied until 2009
FL8003	Green	2008	Green River 2006 Flood Damage Repairs	Complete 13 Green River flood protection facility repair projects.	66%	Not applied until 2009
FL8005	Green	2008	Nursing Home Levee - Replaced w Horseshoe Bend Acq	Rehabilitate levees to reduce the risk of flooding in the urban and residential areas of Kent and Renton.	95%	Not applied until 2009
FL8006	Green	2008	Segale Levee #1	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. S 180th and Southcenter Pkwy) and major commercial areas in the City of Tukwila.	100%	Not applied until 2009
FL8011	Green	2008	Kent Shops-Narita	Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	95%	Not applied until 2009
FL8012	Green	2008	Myer's Golf Levee	Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	89%	Not applied until 2009
FL8016	Green	2009	Briscoe Levee #1-#3, #5-#8	Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	92%	62%
FL8017	Green	2009	Desimone Levee #1	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. major arterials such as the W Valley Hwy) and major commercial areas in Kent and Renton.	89%	49%
FL8018	Green	2009	Desimone Levee #2	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. major arterials such as the W Valley Hwy) and major commercial areas in Kent and Renton.	89%	49%
FL8019	Green	2009	Desimone Levee #3	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. major arterials such as the W Valley Hwy and S 180th) and major commercial areas in Kent and Renton.	95%	49%
FL8020	Green	2009	Desimone Levee #4	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. major arterials such as the W Valley Hwy) and major commercial areas in Kent and Renton.	92%	49%
FL8021	Green	2009	Riverside Estates/Reddington	Remove or otherwise modify existing levee to increase floodplain capacity, protecting a residential area in the City of Auburn.	84%	56%
FL8022	Green	2009	Segale Levee #2 & #3	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. S 180th and Southcenter Pkwy) and major commercial areas in the City of Tukwila.	97%	31%
FL8023	Green	2009	Segale Levee #4	Rehabilitate levees to reduce the risk of flooding to critical public facilities (e.g. S 180th and Southcenter Pkwy) and major commercial areas in the City of Tukwila.	95%	31%
FL8024	Green	2009	South Park - Duwamish Backwater Inundation at 4th and Trenton Storm Drain	Reduce flooding from Duwamish backwater inundation in the 7 th Ave S drainage basin in the South Park neighborhood.	79%	64%
FL8026	Green	2009	42nd Ave South Repair	Repair slump of oversteepened river bank adjacent to water supply line.	87%	69%
FL8027	Green	2009	Stoneway Lower Repair	Slumping in three locations and active slump impacting trail. Asphalt currently offset 0.45 feet. City of Seattle sewer landfill sewer line ~10 feet landward of slump.	87%	59%
FL8029	Green	2009	Horseshoe Bend Repair	Lower slope erosion and undercutting of toe, lower and upper slope slumping, deep-seated cracks developing in paved trail section.	74%	54%

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FL8030	Green	2009	Ratolo Repair	Damage in two locations. Slump on face with cracks in trail and sinkhole in back of levee.	76%	49%
FL8031	Green	2009	Gateway Lower/Codiga Repair	Slump in rivebank adjacent to Green River Trail threatens trail and adjacent commercial property.	55%	54%
FL8034	Green	2010	Reddington Extension	Setback and extend a certifiable levee from Brannan Park (RM 29.5) to S. 277th St bridge (RM 27.6) to provide increased flood protection.	84%	56%
FL8036	Green	2010	Russell Rd Lower	Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	76%	56%
FL8037	Green	2010	Russell Rd Upper	Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	76%	56%
FL8033	Green	2011	Brannon Park	Levee settlement, missing toe rock and oversteepened bank.	89%	59%
FL8040	Green	2012	Russell Rd Lowest	Set road back from river and reconstruct lower bank using current design and construction methods.	68%	51%
FL8041	Green	2012	Horseshoe Bend Acquisition & Reconnection	Right Bank: RM 26.2 (Nursing Home Ext) to RM 23.8 (SR 167) Rehabilitate levees to reduce the risk of flooding in the Lower Green River.	95%	41%
FL8039	Green	2013	Boeing Setback Levee	Stabilize riverbanks, by creating a midslope bench and reconstructing the lower embankment slopes and levee toe.	95%	59%
FL8042	Green	2013	Lones Addition & Ext	Replace inadequate revetment with setback certifiable levee tied in to high ground at 8th	89%	59%
FL8025	Green	2015	Gaco Western	Set back existing levees to improve flood storage and conveyance and protect a major commercial area in the City of Tukwila	82%	28%
FL0001	Snoqualmie	2010	Miller River Home Buyout	Remove homes from hazard area.	66%	64%
FL0004	Snoqualmie	2009	Timber Lane Village Home Buyouts	Purchase homes and property in this neighborhood which are subject to extreme erosion and flooding.	76%	46%
FL1001	Snoqualmie	2008	Middle Fork Snoqualmie River Flood Damage Repairs	Complete two Middle Fork Snoqualmie flood protection facility repair projects.	84%	Not applied until 2009
FL1002	Snoqualmie	2008	North Bend Area Residential Flood Mitigation	Reduce flood risks to homes in the North Bend area. Initially focus on five unmitigated repetitive loss properties and surrounding areas. Combined with Upper Snoqualmie Mitigation.	84%	85%
FL1003	Snoqualmie	2008	South Fork Levee System Improvements	Rebuild and strengthen selected portions of the existing levee system in a manner that maintains current preferential protection of the more heavily developed parts of the City of North Bend.	79%	Not applied until 2009
FL1004	Snoqualmie	2008	South Fork Snoqualmie Flood Damage Repairs	Complete 16 South Fork Snoqualmie River flood protection facility repair projects.	82%	Not applied until 2009
FL1005	Snoqualmie	2008	Upper Snoqualmie River Flood Damage Repairs	Complete one Upper Snoqualmie Mainstem River flood protection facility repair project.	37%	Not applied until 2009
FL2001	Snoqualmie	2008	Aldair & Fall City Reach Flood Mitigation	Remove existing homes from low-lying ground immediately behind the deteriorating Aldair levee.	84%	87%
FL2002	Snoqualmie	2008	Lower Snoqualmie River Flood Damage Repairs	Complete 23 Lower Snoqualmie River flood protection facility repair projects.	82%	Not applied until 2009
FL2003	Snoqualmie	2008	Neal Road Relocation	Relocate the north end of Neal Road away from eroding riverbank. Road is currently closed due to subgrade damage, limiting emergency access to frequently flooded farms.	68%	Not applied until 2009
FL3001	Snoqualmie	2008	Tolt River Flood Damage Repairs	Complete two Tolt River flood protection facility repair projects.	74%	Not applied until 2009
FL3002	Snoqualmie	2008	Tolt River Supplemental Study	Feasibility study on cumulative impacts of Lower Tolt Acquisition, Tolt River SR 203 to Trail Bridge Floodplain Reconnection, Tolt River Mile 1.1 Levee Setback, and Tolt River Mouth to SR 203 Levee Setback	74%	Not applied until 2009
FL3003	Snoqualmie	2008	Tolt River Road Shoulder Protection	Install 200 feet of buried rock riprap along the shoulder of the Tolt River Road to protect the road from active channel migration.	74%	Not applied until 2009
FL4001	Snoqualmie	2008	Alpine Manor Mobile Home Park Neighborhood Buyout	Purchase and remove homes at risk from flooding and channel migration.	74%	Not applied until 2009
FL4002	Snoqualmie	2008	Raging River Flood Damage Repairs	Complete twelve Raging River flood protection facility repair projects.	76%	Not applied until 2009

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FL0002	Snoqualmie	2009	Miller River Road Protection	Supplement and extend the existing log crib that helps to direct flow toward the Miller River bridge.	71%	Not applied until 2009
FL0007	Snoqualmie	2009	McKnight Repair	Minor damage to revetment; protects residential areas	37%	41%
FL0008	Snoqualmie	2009	NE 196th and 635th NE Repair	Significant damage. Potential threat to private property if condition worsens	55%	36%
FL0009	Snoqualmie	2009	Miller River Curve Repair	Significant damage. Potential threat to private property if condition worsens	68%	49%
FL1017	Snoqualmie	2009	Kimball Creek and Snoqualmie Basin	Re-channeling of the Kimball Creek channel in the reach between SE 384th and Meadowbrook Way.	68%	13%
FL1018	Snoqualmie	2009	City of Snoqualmie Natural Area Acquisitions	Purchase flood prone property and structure.	79%	79%
FL1019	Snoqualmie	2009	Middle Fork Levee System Capacity Improvements	Remove levee segments to reduce channel constrictions which hinder flood conveyance.	76%	33%
FL1023	Snoqualmie	2009	Upper Snoqualmie Residential Flood Mitigation	Reduce flood risks to homes in the North Bend area. Initially focus on five unmitigated repetitive loss properties and surrounding areas.	84%	85%
FL1024	Snoqualmie	2009	Mason Thorson Ext Repair	Repair scour along the levee toe and lower bank to prevent continued erosion that could flank the upstream end of the levee.	84%	54%
FL1027	Snoqualmie	2009	Mason Thorson Ells Repair	Repair several segments of scour along the levee toe and lower bank, as well as two sinkholes near the upstream end of the levee.	71%	79%
FL1029	Snoqualmie	2009	Vallcudra Repair	Repair washed out culvert and scour on back and along toe of levee.	61%	31%
FL1030	Snoqualmie	2009	Allen Repair	Upstream 120 LF of recent repair has been scoured, with loss of toe rock extending into first rock spur.	50%	49%
FL2014	Snoqualmie	2009	Lower Snoqualmie River Repetitive Loss Mitigation	Purchase and remove structure, or otherwise mitigate flood risks to ten repetitive loss properties.	74%	21%
FL2015	Snoqualmie	2009	McElhoe-Pearson Repair	Scour damage to levee top and back-slope. Debris on levee.	79%	79%
FL3005	Snoqualmie	2009	San Souci Neighborhood Buyout	Purchase homes in high flood and erosion hazard area.	82%	59%
FL3009	Snoqualmie	2009	Tolt River Mile 1.1 Levee Setback	Purchase 16 flood-prone parcels and approximately 1.5 acres of Remlinger Farm so that levee can be set back in more stable configuration. Setback alignment would also improve conveyance in the vicinity of the Snoqualmie Trail bridge.	79%	74%
FL3010	Snoqualmie	2009	Tolt River Mouth to SR 203 Floodplain Reconnection Project	Set back the existing levee within Tolt River - John MacDonald Park to increase flood storage and conveyance	39%	95%
FL3014	Snoqualmie	2009	Tolt River Levee Right Repair	Remove massive log jam that covers the revetment		
FL4017	Snoqualmie	2009	Preston Fall-City Lowest Repair	Emergency repair complete; only mitigation remains	66%	41%
FL4018	Snoqualmie	2009	Bridge to Bridge L Repair	Repair scour along levee toe	42%	44%
FL4019	Snoqualmie	2009	Bridge to Bridge R Repair	Repair toe scour below the road shoulder.	47%	49%
FL4020	Snoqualmie	2009	Bridge to Mouth R 2009 Repair	Repair scour of levee top.	37%	44%
FL1032	Snoqualmie	2010	Circle River Ranch Repair	Avulsion roughly 1,300 feet upstream of Circle River revetment has allowed river to occupy an established side channel without revetment or other obvious structure (natural or man-made) that would resist erosion. Several homes exist along this side channel.	71%	41%
FL2012	Snoqualmie	2010	McElhoe/Person Levee	Remove or set back part of levee and reconnect the floodplain and river channel.	68%	59%
FL2013	Snoqualmie	2010	Tolt Pipeline Protection	Repair 680 LF slump in revetment, where prior floods had already exposed subgrade. Little evidence of armor remains.	100%	56%
FL2017	Snoqualmie	2010	Aldair Levee Repair	Erosion of back slope. Urgency of repair may be greatly reduced by ongoing effort to relocate tenants now living behind levee.	47%	59%
FL2018	Snoqualmie	2010	Farm/Flood Task Force Implementation	Technical Support for flood risk reduction on agricultural lands in Snoqualmie Valley.	N/A	N/A
FL2019	Snoqualmie	2010	Schiessel-Phiffer Repair	Repair 600 LF of revetment scoured away. Scour of adjoining overbank has opened low-elevation path for flow to leave river more frequently. Could exacerbate flood problems in Garden Tracts neighborhood.	76%	41%

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FL3004	Snoqualmie	2010	Lower Tolt River Acquisition	Purchase floodway property to avoid damage in flood prone area.	74%	69%
FL4021	Snoqualmie	2010	Preston-Fall City Upper Repair	Perform repair to control erosion/landsliding immediately downstream of facility.	66%	41%
FL4022	Snoqualmie	2010	Preston Fall City Lower Repair	Perform repair to control erosion/landsliding immediately upstream of facility and affecting upstream end of slope repair.	66%	41%
FL0010	Snoqualmie	2011	Maloney Creek Confluence Improvements	Skykomish Levee enclosure and Channel improvements.	63%	36%
FL3006	Snoqualmie	2014	Tolt River Natural Area Floodplain Reconnection/Acquisition	Purchase two homes that are at risk from flood damages and reconfigure the downstream end of the Edenholm levee to improve flood conveyance.	61%	54%
FL3007	Snoqualmie	2014	Tolt River SR 203 to Trail Bridge Floodplain Reconnection	Set back levee to improve flood conveyance.	61%	41%
FL3008	Snoqualmie	2014	Tolt River Repetitive Loss Mitigation	Elevate or otherwise mitigate flood risks to repetitive two repetitive loss properties.	74%	21%
FL0005	Snoqualmie	2015	S.F. Skykomish River Repetitive Loss Mitigation	Purchase or otherwise mitigate flood risks to seven repetitive loss properties.	74%	46%
FL1022	Snoqualmie	2015	SR202 Bridge Lengthening on South Fork Snoqualmie River	The south side of the bridge could be extended with the south abutment changed to a pier and a new abutment installed further south. This would allow for more channel width and cross-sectional flow area for the river.	76%	26%
FL4016	Snoqualmie	2015	Abandoned Bridge Abutment and Waring Revetment Channel Constriction	Remove channel constriction at old bridge site.	68%	77%
FL9001	White	2008	County line to A-Street Flood Conveyance Improvement	Reduce flood-related risk to residential area by purchasing flood-prone property and providing conveyance through an existing levee into adjacent floodplain and wetlands.	58%	Not applied until 2009
FL9003	White	2008	White River Flood Damage Repair at Stuck River Drive	Replace eroded revetment with stable log and rock toe and 300 feet of biostabilized riverbank.	37%	Not applied until 2009
FL9004	White	2008	White-Greenwater Acquisition	Remove homes subject to flooding and erosion hazards.	66%	0%
FL9002	White	2009	Red Creek Acquisitions	Remove homes subject to flooding and erosion hazards.	71%	0%
FL9007	White	2009	Pacific Right Bank Acquisition and Setback Berm	Acquisition of floodprone parcels and construction of an earthen berm	TBD	TBD
FL9012	White	2013	City of Pacific Gravel and Debris Removal	Removal of gravel and debris in White River adjacent to Pacific to increase channel capacity	TBD	TBD
FL9013	White	2013	White River Corps 205	Cooperative project with Corps of Engineers to reduce flood risks in the City of Pacific	TBD	TBD