King County Flood Control District Chair's Preliminary Working Draft for Discussion Purposes Only DRAFT : 2021 - 2026 Six-Year CIP Project Allocations Attachment H

| Attachment H | , Anocation | 5 | | | | | | | Grant/External R Cost Share Cont | | | | | | | |
|--|--------------|-----------------|---|-------------------------------------|--------------------------|-------------------|--------------------|--------------------|-------------------------------------|--------------------|--------------------|---------------------|------------------|-----------------|---------------------------------------|---|
| 9/2/2020 | | | | | | | | | Added in 2020 Proposed New A | dd in 2021 | | | | | | |
| No. Title | Basin | Type of project | 2019 Inception to Date Expenditure | 2020 Inception to Date Budget | 2020 Available Budget | 2021 Requested | 2022 Forecasted | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 6-Year CIP Total | CIS Year 7-10 | CIS 10+ Year | Project Life Total | Comments |
| | Dasin | Type of project | Date Expericiture | Dudget | Dudget | Requested | TOTECASIEU | Torecasted | TUIECasted | TUTECASIEU | TOTECASIEU | TOtal | | 10+164 | TOTAL | Baring. This project will elevate or buyout individual structures in the South |
| 1 WLFL0 SF SKYKMSH REP LOSS MIT | SF Skykomish | n FCD Acqu/Elev | \$703,571 | \$4.323.571 | \$3,620,000 | \$1,780,000 | \$800,000 | \$800,000 | \$800,000 | \$800.000 | \$800.000 | \$8,180,000 | | | \$12.503.571 | Fork Skykomish Basin to eliminate the risk of flooding or erosion damage during future flood events. |
| | | | | · /· · · /· | | * ,, | | | | | | | | | · /···/· | Skykomish. Approximately 50-foot-long section of missing armor rock |
| 2 WLFL0 SKYKOMISH LB DOWN 2016 REPAIR | SF Skykomish | n FCD Const | \$85,402 | \$150,000 | \$64,599 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$150,000 | immediately downstream of the bridge. Further flooding may compromise or severely damage facility. |
| | | | | | | | | | | | | | | | | Skykomish. This project will continue to acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive forces as |
| 3 WLFL0 TIMBER LN EROSN BUYOUTS | SF Skykomish | n FCD Acqu/Elev | \$1,969,442 | \$2,402,442 | \$433,000 | \$2,367,000 | \$800,000 | \$800,000 | \$800,000 | \$800,000 | \$800,000 | \$6,367,000 | | | \$8,769,442 | well as inundation in some places. |
| | | | | | | | | | | | | | | | | Skykomish. Project will lay back the privately-built rockery to reconstruct rock wall into stable revetment geometry. Will likely be implemented by the |
| 4 WLFL0 TIMBERLANE 2016 REPAIR | SF Skykomish | n FCD Const | \$12,970 | \$16,040 | \$3,070 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$16,040 | Strike Team. Skykomish. Revetment is approximately 300 LF along left bank of South |
| | | | | | | | | | | | | | | | | Fork Skykomish River. Unstable section of vertical stacked rock is |
| 5 WLFL0 TIMBERLANE 2019 REPAIR | SF Skykomish | FCD Const | \$160.050 | \$600.000 | \$439.950 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$600.000 | approximately 150 LF (needs verification). Failure has occurred previously in this section of revetment. |
| | | | , , , , , , , , , , , , , , , , , , , | + | | ** | | | | | | | | | · · · · · · · · · · · · · · · · · · · | North Bend. Reduce neighborhood isolation from flooding. Develop a set |
| | | | | | | | | | | | | | | | | of alternatives for improvements to 428th Avenue SE, SE 92nd Street, and Reinig Road to reduce the frequency of community isolation caused |
| 6 WLFL1 428TH AVE SE BR FEASIBILITY | Upper Snoq | FCD Const | \$309,686 | \$309,756 | \$70 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$309,756 | by floodwaters overtopping these roadways. |
| | | | | | | | | | | | | | | | | North Bend. Cost-share of \$8.4M levee setback project. The levee overtops at a 20-year or greater flood, inundating undeveloped property, |
| | | | | | | | | | | | | | | | | railway lines and roadways. Project would reconnect 25 acres of floodplain |
| 7 WLFL1 BENDIGO UPR SETBACK NORTH BEND | Linner Creek | A | \$124 | \$50.000 | \$49.876 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,200,000 | \$4.200.000 | | | \$4.250.000 | and construct a new levee that meets current engineering guidelines. City has submitted grant application for the remaining \$4.2 million. |
| 7 WEFET BENDIGO OPR SETBACK NORTH BEND | Upper Snoq | Agreement | \$124 | \$50,000 | \$49,876 | \$0 | \$U | \$U | پ 0 | Ф О | \$4,200,000 | \$4,200,000 | | | \$4,250,000 | North Bend. This project will determine a preferred action to reduce long |
| | | | | | | | | | | | | | | | | term risks from channel migration in the Circle River Ranch Neighborhood on the South Fork Snoqualmie River. Being conducted concurrent with |
| 8 WLFL1 CIRCLE RVR RANCH RISK RED | Upper Snoq | FCD Const | \$302,511 | \$673,689 | \$371,178 | \$261,122 | \$219,300 | \$187,195 | \$2,995,230 | \$6,000 | \$0 | \$3,668,847 | | | \$4,342,536 | South Fork Snoqualmie Corridor Plan. |
| 9 WLFL1 CITY SNOQ HOME ELEVATIONS | Lower Snoq | Agreement | | \$1,468,000 | \$1,468,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,468,000 | City of Snoqualmie. Elevate several flood-prone homes in the areas around Walnut St and Northern St. |
| | | | | | | | | | | | | | | | | North Bend. Overflow channels originating from the Middle Fork Snoqualmie River flow through neighborhoods and cross roads creating |
| | | | | | | | | | | | | | | | | risk to homes and infrastructure. Potential solutions include channel |
| 10 WLFL1 MF FLOOD CONVEYANCE | Upper Snog | FCD Const | \$0 | \$0 | \$0 | \$150.000 | \$750,000 | \$750,000 | \$0 | \$0 | \$0 | \$1.650.000 | | | \$1.650.000 | modifications, enhancements, and culvert improvements. |
| | | | | | | | | | | | | . , | | | | North Bend. Work with willing sellers to acquire eighteen homes at risk from channel migration along the Middle Fork (Project E in the draft |
| 11 WLFL1 MF RESIDENTIAL FLD MTGTN | Upper Snoq | FCD Acqu/Elev | , | \$120,000 | \$120,000 | \$2,400,000 | \$1,830,000 | \$1,830,000 | \$1,830,000 | \$2,265,000 | \$2,265,000 | \$12,420,000 | | | \$12,540,000 | Capital Investment Strategy) |
| 12 WLFL1 MF SNO CORRIDOR PLAN | Upper Snog | FCD Const | \$1,658,993 | \$1,852,497 | \$193,504 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1.852.497 | North Bend. Middle Fork Snoqualmie Corridor Planning, scheduled for completion in 2018. |
| 13 WLFL1 MF SNO PL84-99 | | | ,, | | | (\$75.000) | \$0 | \$0 | \$0 | \$0 | | (\$75.000) | | | | North Bend. Upgrade the Middle Fork Snoqualmie levees to meet the US |
| 13 WEFLI MF SNO PL84-99 | Upper Snoq | FCD Const | | \$75,000 | \$75,000 | (\$75,000) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$75,000) | | | \$0 | Army Corps of Engineers PL84-99 certification standards. North Bend. Replace two existing rusted out 48" corrugated metal pipes |
| | | | | | | | | | | | | | | | | on Norman Creek under 428th Ave SE with a new precast concrete box culvert. The new culvert will reduce the time it takes to drain the flood |
| | | | | | | | | | | | | | | | | waters off of private property by increasing the capacity of the crossing. |
| | | | | | | | | | | | | | | | | Currently when the North Fork Snoqualmie River overflows water backs up against 428th and impedes use of the roadway as the Norman Creek |
| 14 WLFL1 NORMAN CREEK DS CULV | | Agreement | \$722.080 | \$724.000 | \$1,920 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$724.000 | crossing is the normal outflow for this flood water once the North Fork has overtopped the adjacent levees. |
| | | | \$722,000 | | | | | | | | | | | | | North Bend. Improve SE 92nd Street, east of 428th Street, and alleviate |
| 15 WLFL1 NORMAN CREEK US 2024 CULV | Upper Snoq | Agreement | | \$0 | \$0 | \$0 | \$0 | \$350,000 | \$750,000 | \$0 | \$0 | \$1,100,000 | | | \$1,100,000 | roadway flooding by installing a new box culvert. North Bend. Initiate feasibility study to mitigate the risk of scour damage to |
| | | A | ¢10.005 | * 222.000 | \$100 7 05 | \$100 00F | * 0 | * 0 | * 0 | * 0 | * 0 | ¢400.005 | | | # 000.005 | the North Fork Bridge by retrofitting the existing structure with deep |
| 16 WLFL1 NORTH FORK BRIDGE FEASIBILITY | Upper Snoq | Agreement | \$10,265 | \$200,000 | \$189,735 | \$160,265 | \$0 | \$0 | \$0 | \$0 | \$0 | \$160,265 | | | \$360,265 | foundations or alternative risk mitigation strategies. |
| | | | | | | | | | | | | | | | | Snoqualmie. Repair downstream 200 lineal feet of facility which is missing face rock and toe rock. A significant scour hole has formed around a City |
| | | | | | | | | | | | | | | | | of Snoqualmie stormwater outfall pipe at the downstream end of facility. Potential erosion impact to Park Ave SE in City of Snoqualmie, an area |
| | | | | | | | | | | | | | | | | included in the City's planned "Riverwalk" park and trail project. Project |
| 17 WLFL1 RECORD OFFICE 2016 REPAIR | Linner Snor | Agroomont | \$168,985 | \$987,835 | \$818,850 | ¢1 760 000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,760,000 | | | \$2,747,835 | implemented by City of Snoqualmie as part of Riverwalk project, construction is scheduled for 2020. |
| | Upper Snoq | Agreement | \$108,985 | \$987,835 | 9010,000 | \$1,760,000 | \$U | \$U | Ф О | \$0 | ¢0 | φι,760,000 | | | φ <u>2</u> ,747,835 | North Bend. Conduct a feasibility study to determine ways of preventing |
| | | | | | | | | | | | | | | | | the overtopping of the Reif Rd Levee. Potential solutions include: repair and/or raise levee in place / setback levee / gravel removal / home |
| 18 WLFL1 REIF RD LEVEE IMPROVEMENTS | Upper Snoq | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$265,438 | \$318,421 | \$385,937 | \$457,218 | \$1,427,014 | | | \$1,427,014 | elevations. |
| 19 WLFL1 REINIG RD ELEVATION | Upper Snoq | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$50,000 | \$100,000 | \$150,000 | | | \$150,000 | Snoqualmie. Elevate low section of Reinig Rd to alleviate flooding that blocks roadway. |
| | | | · . | | | | | | | ,, | | , | | | | |

Capital Investment Strategy Project Grant/External Revenue Awarded

| | | | | 2019 Inception to | 2020 Inception to Date | 2020 Available | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 6-Year CIP | CIS | CIS | Project Life | |
|-----|--|-------------|-----------------|----------------------|---------------------------|----------------|-------------|--------------------|-------------|-------------|-------------|-------------|--------------------|--------------|--------------|--------------------|---|
| No. | Title | Basin | Type of project | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments North Bend. Repair three primary damage sites just upstream and directly |
| 20 | WLFL1 REINIG RD RVTMNT 2016 REPAIR | Upper Snoq | FCD Const | \$914,143 | \$1,314,143 | \$400,000 | \$3,943,514 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,943,514 | | | \$5,257,657 | across from the South Fork Snoqualmie confluence totaling ~285 lineal feet. Construction is anticipated in 2021. |
| | | | 505.0 | | | | A 2 | * 4 000 000 | 0 0 | • | A 0 | \$ 2 | * 4 000 000 | | | * 4 000 000 | North Bend. Address flooding from Ribary Creek at Bendigo Blvd in North ond as the Snoqualmie levees prevent drainage to the river during high |
| 21 | WLFL1 REINIG FISH ACCESS PLACEHOLDER | Upper Snoq | FCD Const | \$0 | \$0 | \$0 | \$0 | \$1,000,000 | \$0 | \$0 | \$0 | \$0 | \$1,000,000 | | | \$1,000,000 | nows. North Bend. Address flooding from Ribary Creek at Bendigo Blvd in North Bend as the Snoqualmie levees prevent drainage to the river during high |
| 22 | WLFL1 RIBARY CREEK | Upper Snoq | Agreement | \$0 | \$186,492 | \$186,492 | \$450,000 | \$2,338,618 | \$3,223,883 | \$0 | \$0 | \$0 | \$6,012,501 | | | \$6,198,993 | |
| 23 | WLFL1 SF CIS LONG TERM | Upper Snoq | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$57,100,000 | \$57,100,000 | Strategy, approved as policy direction by the Executive Committee. North Bend. Implement projects identified in the Capital Investment |
| 24 | WLFL1 SF CIS MED TERM | Upper Snoq | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$43,000,000 | | \$43,000,000 | Strategy, approved as policy direction by the Executive Committee. North Bend. Six levee deficiencies have been identified in this leveed |
| 25 | WLFL1 SF SNO LEVEE REMEDIATION | Upper Snoq | FCD Const | \$198,682 | \$388,000 | \$189,318 | (\$183,318) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$183,318) | | | \$204,682 | segment. The project will design and reconstruct the impaired segment of levee in place. |
| | | | | | | | | | | | | | | | | | North Bend. Total breach of levee - erosion and lateral channel migration |
| 26 | WLFL1 SHAKE MILL LB 2016 REPAIR | Upper Snoq | FCD Const | \$2,739,161 | \$3,550,000 | \$810,839 | (\$410,839) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$410,839) | | | \$3,139,161 | |
| | | | | | | | | | | | | | | | | | North Bend. Between 428th St Bridge and Tate Creek, several locations on levee where toe-rock dislodged and corresponding minor bank erosion |
| | | | | | | | | | | | | | | | | | along 50-60 feet of river bank. Actual gaps range between 6-10 feet. Missing toe rock compromises levee integrity, increasing its vulnerability to |
| | | | | | | | | | | | | | | | | | further scour and potential failure. Failure of this facility could result in damage to a heavily used county road (428th Ave SE). Scheduled for |
| 27 | WLFL1 SHAKE MILL RB 2016 REPAIR | Upper Snoq | FCD Const | \$47,340 | \$351,090 | \$303,750 | \$248,910 | \$0 | \$0 | \$0 | \$0 | \$0 | \$248,910 | | | \$600,000 | 2018 construction. |
| | | | | | | | | | | | | | | | | | North Bend. Repair approximately 25 lineal feet of the facility with missing toe rock and shallow scour scallop into bank that is approximately 1-2 feet |
| | | | | | | | | | | | | | | | | | deep. Si View Levee is a relatively short flood containment levee that protects 50+ homes in the Si View Park Neighborhood of North Bend from |
| 28 | WLFL1 SI VIEW RM4 2017 REPAIR | Upper Snog | FCD Const | \$288,037 | \$396,754 | \$108,717 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$396,754 | flooding Broject schoduled for 2018 construction |
| | | | | , | | | | | | | | | | | | | North Bend. Placeholder funding to partner with WSDOT to expand bridge |
| | | | | | | | | | | | | | | | | | SR202 opening over South Fork Snoqualmie River and Ribary Creek to improve conveyance and reduce upstream flood impacts. Supported by |
| | | | | | | | | | | | | • | • · · · · · · · | | | • · · · · · · · | North Bend. Requires state or federal funding. Relative contribution of this project is being evaluated in the SF Snoqualmie Corridor Plan. |
| 29 | WLFL1 SR202 SF BRIDGE LENGTHEN | Upper Snoq | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$100,000 | | | \$100,000 | North Bend. Prepare a Concept Development Report (CDR) to analyze |
| | | | | | | | | | | | | | | | | | and select best span/alignment replacement bridge and road-raising option as the current bridge does not provide enough hydraulic opening |
| 30 | WLFL1 TATE CR SCOUR FEASIBILITY | Upper Snoq | Agreement | | \$0 | \$0 | \$0 | \$0 | \$150,000 | \$0 | \$0 | \$0 | \$150,000 | | | \$150.000 | due to the transport of sediments and water overtops the approaches during floods. |
| | | oppor onlog | rigiocinicini | | φu | ψ0 | | ψ0 | \$100,000 | φυ | ψŬ | φ0 | 100,000 | | | \$100,000 | Snoqualmie. This project will continue to acquire or elevate flood-prone |
| | | | | | | | | | | | | | | | | | structures in the Upper Snoqualmie basin to reduce the risk of flood, erosion, and channel migration damage. Partnership with City of |
| 31 | WLFL1 UPR SNO RES FLD MITIGTN | Upper Snoq | FCD Acqu/Elev | \$11,552,715 | \$14,123,587 | \$2,570,872 | \$295,755 | \$2,364,628 | \$2,435,567 | \$2,508,634 | \$2,583,893 | \$2,583,893 | \$12,772,368 | | | \$26,895,955 | Snoqualmie to elevate homes and cost-share acquisition of homes where City is planning to construct the Riverwalk project. |
| | | | | | | | | | | | | | | | | | North Bend. Ensure eleven South Fork Snoqualmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in order |
| 30 | WLFL1 USACE PL 84-99 UPPER SNO | Upper Snog | FCD Const | \$40,136 | \$333.377 | \$293,241 | (\$48,241) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$48,241) | | | \$285 136 | to receive future assistance from the Corps in the event of flood damage to the levees |
| 52 | | opper onlog | 1 OD Oonat | φ 1 0,100 | 4000,011 | ψ200,241 | (\$40,241) | ψυ | ψυ | ψυ | ψυ | φυ | (\$40,241) | | | φ200,100 | Redmond. Alleviate flooding on this sole access road by replacing the |
| 33 | WLFL2 264TH AVE NE AT SR 202 FLD IMPRVMNT | Lower Snoq | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$540,000 | \$0 | \$540,000 | | | \$540,000 | existing culverts and raising the roadway to elminate over-topping during flood events. |
| 34 | WLFL2 334TH AVE SE & SE 43RD PL FLD IMPRVMNT | Lower Snoq | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$500,000 | \$0 | \$500,000 | | | \$500,000 | Fall City. Improve drainage to alleviate neighborhood flooding by constructing a drainage system to flow to the Snoqualmie River. |
| | | | | | | | | | | | | | | | | | Duvall. Repair approximately 200 feet of revetment. Dutchman Road in this location provides the sole access to residences and business on the |
| | | | | | | | | | | | | | | | | | west side of the Snoqualmie Valley downstream of Duvall. Continued |
| | | | | | | | | | | | | | | | | | erosion of the revetment could result in erosion of the road (West Snoqualmie Valley Road NE) which would severely limit access to the |
| 35 | WLFL2 DUTCHMAN RD REPAIR | Lower Snoq | FCD Const | \$5,823 | \$105,823 | \$100,000 | \$192,770 | \$1,450,000 | \$0 | \$0 | \$0 | \$0 | \$1,642,770 | | | \$1,748,593 | |
| | | | | | | | | | | | | | | | | | Duvall. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to |
| 36 | WLFL2 DUVALL SLOUGH 2017 IMPRV | Lower Snoq | Agreement | \$277,937 | \$400,000 | \$122,063 | (\$122,063) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$122,063) | | | \$277,937 | prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D. |
| | | | | | | | | | | | | | | | | | Carnation. This project provides technical and cost-sharing assistance to |
| | | | | | | | | | | | | | | | | | agricultural landowners in the Lower Snoqualmie floodplain to help them better withstand the impacts of flooding. Specific project actions include |
| 37 | WLFL2 FARM PAD PROGRAM | Lower Snoq | FCD Acqu/Elev | \$829,335 | \$979,803 | \$150,468 | \$115,214 | \$118,670 | \$122,230 | \$125,897 | \$129,674 | \$129,674 | \$741,360 | | | \$1,721,163 | |
| | | | | | | | | | | | | | | | | | Duvall. Strengthen the bridge structure to stabilize it after the most recent flood event, rebuild the east approach roadway to address the current |
| | WLFL2 FISH HATCHERY RD BR #61B REPAIR | | | | | | | | | | | | | | | | issue and to protect it against major flood events in the future, and restore the eroded creek bed and riverbank profile to buffer the bridge against |
| 38 | | Lower Snoq | Agreement | \$0 | \$80,000 | \$80,000 | \$434,000 | \$186,000 | \$0 | \$0 | \$0 | \$0 | \$620,000 | <u> </u> | | \$700,000 | scour. |

| No. | Title | Basin | Type of project | 2019 Inception to Date Expenditure | 2020 Inception to Date Budget | 2020 Available Budget | 2021 Requested | 2022 Forecasted | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 6-Year CIP Total | CIS Year 7-10 | CIS 10+ Year | Project Life Total | Comments |
|-----|------------------------------------|------------|-----------------|---------------------------------------|-------------------------------------|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|------------------|-----------------|---------------------------------------|---|
| | | | | | | | | | | | | | | | | | Duvall. Design and repair approximately 800 linear feet of bank erosion |
| 39 | WLFL2 JOY 2020 REPAIR | Lower Snog | FCD Const | \$0 | \$100,000 | \$100,000 | \$500,000 | \$500,000 | \$2,620,000 | \$0 | \$0 | \$0 | \$3,620,000 | | | \$3,720,000 | along the Joy Revetment on the left bank of the Snoqualmie River across from the City of Duvall. Bank erosion is undermining an existing road. |
| | | | | | | | | | . , , | | | | | | | | Fall City. The river is scouring the road away and David Powell Road is |
| | | | | | | | | | | | | | | | | | collapsing into the river. This project will repair an existing failing revetment and extend MSE wall to prevent undercutting of the riverbank and |
| 40 | WLFL2 L SNO 2019 BANK REPAIR | Lower Snoq | Agreement | \$1,111,942 | \$2,200,000 | \$1,088,058 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$2,200,000 | roadway. |
| 41 | WLFL2 L SNO REP LOSS MITGTION | Lower Snog | FCD Acqu/Elev | \$1,279,413 | \$1,695,671 | \$416,258 | (\$416,258) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$416,258) | | | \$1 279 413 | Carnation. Funding as possible local match for FEMA grants to elevate or acquire at-risk structures. |
| 41 | | Lower Shoq | | ψ1,279,415 | \$1,035,071 | φ 4 10,230 | (\$410,230) | φ0 | ψυ | ψ0 | ψυ | ψυ | (\$410,230) | | | ψ1,273,413 | Fall City. The foundation of the main-span pier is exposed and is |
| | | | | | | | | | | | | | | | | | vulnerable to destabilization during a flood. Add scour mitigation measures |
| 42 | WLFL2 L SNO SCOUR REPAIR 2017 | Lower Snog | Agreement | \$142,411 | \$150,000 | \$7,589 | (\$7,589) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$7,589) | | | \$142,411 | to protect footing. Bridge crosses the Snoqualmie River at Duvall and is the city's primary route. |
| | | | Ť | | | | | | | | | | | | | | Fall City. Cost-shared contribution to multiple levee setbacks and high |
| | | | | | | | | | | | | | | | | | priority flood risk reduction acquisitions in the Fall City reach of the Lower Snoqualmie. Projects reduce flood and erosion risk to revetments, roads, |
| | | | | | | | | | | | | | | | | | and landowners. FCD expenditure leverages habitat restoration funding |
| 43 | WLFL2 L SNO/ALDAIR CORRDOR PLN | Lower Snoq | FCD Const | \$7,019,214 | \$7,365,814 | \$346,600 | (\$276,600) | \$50,000 | \$420,000 | \$20,000 | \$20,000 | \$20,000 | \$253,400 | | | \$7,619,214 | from other sources. |
| | | | | | | | | | | | | | | | | | Carnation. This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplain |
| | | | | | | | | | | | | | | | | | to help them better withstand the impacts of flooding. Specific project |
| 11 | WLFL2 LWR SNO RESDL FLD MITGTN | Lower Snog | FCD Acqu/Elev | \$2,230,892 | \$3,316,472 | \$1,085,580 | \$0 | \$500,000 | \$500,000 | \$500,000 | \$500,000 | \$500,000 | \$2,500,000 | | | \$5,816,472 | actions include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures. |
| 44 | | Lower Shoq | | ψ2,230,092 | ψ3,310,47Z | \$1,000,000 | ψυ | \$300,000 | \$300,000 | \$300,000 | \$300,000 | 4 500,000 | \$2,500,000 | | | ψ0,010,472 | Snoqualmie. Design and permit a sediment facility to minimize sediment |
| 45 | WLFL2 MUD CREEK SEDIMENT FACILITY | Lower Snoq | FCD Const | | \$432,000 | \$432,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$432,000 | deposition, flooding, and channel avulsions at this site. |
| 46 | WLFL2 SE 19TH WAY REVETMENT | Lower Snog | FCD Const | \$1,835,637 | \$1,916,294 | \$80.657 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,916,294 | Fall City. Rebuild revetment to protect road access to high value agricultural operations and lands. Construction is complete. |
| | | | | + , | + , , , | | | | | | | | | | | • •,••• • , = •• | Duvall. Regional flooding in the Snoqualmie Valley cuts off access to |
| | | | | | | | | | | | | | | | | | eastern cities. Determine which major roadway(s) that cross the Snoqualmie Valley would be the most cost effective to improve in the |
| 47 | WLFL2 SNOQUALMIE VALLEY FEAS | Lower Snoq | Agreement | \$0 | \$0 | \$0 | \$250,000 | \$250,000 | \$0 | \$0 | \$0 | \$0 | \$500,000 | | | \$500,000 | valley with chronic flood issues impacting over 25,000 daily drivers. |
| | | | 505.0 | | . | | | | | | | | | | | | Carnation. Placeholder costs for long-term facility improvement project to |
| 48 | WLFL2 STOSSEL LONG TERM REPAIR | Lower Snoq | FCD Const | \$0 | \$100,000 | \$100,000 | \$350,000 | \$450,000 | \$2,500,000 | \$120,000 | \$0 | \$0 | \$3,420,000 | | | \$3,520,000 | prevent erosion undermining 310th Ave NE. Carnation. This completed project repaired approximately 250 feet of |
| | | | | | | | | | | | | | | | | | damage identified in late March 2018 to a section of the Stossel Bridge |
| 40 | | Lower Spog | FCD Const | \$970,781 | \$1,107,886 | \$137,105 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | ¢1 107 996 | Right Bank Revetment on the Snoqualmie River, downstream of the City of Carnation. |
| 49 | WLFL2 STOSSEL RB 2018 REPAIR | Lower Snoq | FCD Collist | \$970,781 | \$1,107,000 | \$137,105 | Ф О | | Ф О | Φ 0 | Ф О | \$ 0 | <u>Ф</u> О | | | \$1,107,000 | Carnation. This project will repair approximately 800 linear feet of the |
| | | | | | | | | | | | | | | | | | Winkelman (formerly RM 13.5) revetment. Erosion along the right bank of |
| | | | | | | | | | | | | | | | | | the Snoqualmie River channel threatens to undermine the Seattle Public Utilities water supply line at this location south of Duvall. Construction is |
| 50 | WLFL2 TOLT PIPELINE PROTECTION | Lower Snoq | FCD Const | \$10,644,758 | \$10,778,068 | \$133,310 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$10,778,068 | complete. |
| | | | | | | | | | | | | | | | | | Carnation. Face rock displaced along approximately 50 feet of levee face. |
| | | | | | | | | | | | | | | | | | Some core material appears to have been lost, resulting in an over steepened bank relative to upstream and downstream undamaged levee |
| | | | | | | | | | | | | | | | | | sections. Top of damaged face approximately 6 feet from edge of gravel |
| | | | | | | | | | | | | | | | | | trail. Continued erosion will cut off popular riverside trail. Potential impact to highway if facility breaches during a major flood. Construction is |
| 51 | WLFL3 FREW LEVEE 2016 REPAIR | Tolt | FCD Const | \$168,880 | \$360,360 | \$191,480 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$360,360 | complete. |
| | | | | | | | | | | | | | | | | | Carnation. Repair approximately 20 feet of face and toe rock dislodged |
| | | | | | | | | | | | | | | | | | from Girl Scout Camp levee revetment below side channel confluence with mainstem. Missing face and toe rock compromises levee integrity, |
| | | | | | | | | | | | | | | | | | increasing its vulnerability to further scour and potential failure. Scheduled |
| 52 | WLFL3 GIRL SCOUT LEVEE 2016 REPAIR | Tolt | FCD Const | \$166,079 | \$311,000 | \$144,921 | (\$144,921) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$144,921) | | | \$166,079 | for 2018 construction. Carnation. Facility failure has consequences for property owners |
| | | | | | | | | | | | | | | | | | immediately landward of facility. Potential for high flows and erosive |
| 53 | WLFL3 HOLBERG 2019 REPAIR | Tolt | FCD Const | \$0 | \$50,000 | \$50,000 | \$0 | \$450,000 | \$0 | \$0 | \$0 | \$0 | \$450,000 | | | \$500,000 | damage to residences and property. |
| | | | | | | | | | | | | | | | | | Carnation. Feasibility study to determine the nature and extent of levee |
| | | | | | | | | | | | | | | | | | improvements necessary to remove four homes in unincorporated King County from the regulatory Channel Migration Zone as mapped in the |
| 54 | WLFL3 HOLBERG FEASIBILITY | Tolt | FCD Const | \$211,557 | \$401,061 | \$189,504 | \$11,088 | \$0 | \$0 | \$0 | \$0 | \$0 | \$11,088 | | | \$412 149 | March 2017 Draft Tolt River Channel Migration study |
| 54 | | 1 OIL | 100 00130 | ψ211,007 | φ+01,001 | ψ10 3 ,004 | ψ11,000 | ψŪ | ψυ | ψυ | ψŪ | ψ | ψ11,000 | | | ψ+12,149 | Carnation. Capital Investment Strategy. Design, based on level of service |
| | | Tott | ECD Const | CAE 777 | <i>ФЕТО 00</i> (| \$200 00 7 | 6407 440 | *050 000 | # 7 00 000 | ¢14 050 000 | ¢400.000 | * ~ | Ø40 707 440 | | | ¢47 045 777 | analysis, the highest priority levee setback for flood risk reduction. Phase |
| 55 | WLFL3 LOWER FREW LEVEE SETBACK | Tolt | FCD Const | \$215,777 | \$578,664 | \$362,887 | \$437,113 | \$850,000 | \$700,000 | \$14,650,000 | \$100,000 | \$0 | \$16,737,113 | | | \$17,315,777 | 2 construction estimated in CIS at \$14.5M-\$16.7M Carnation. Acquire high-priority flood risk reduction properties in the lower |
| | | | | | | | | | | | | . | | | | . | two miles of the Tolt River consistent with the adopted Capital Investment |
| 56 | WLFL3 LOWER TOLT RIVER ACQUISITION | Tolt | FCD Acqu/Elev | \$529,475 | \$1,379,475 | \$850,000 | \$0 | \$30,000 | \$200,000 | \$200,000 | \$645,000 | \$550,000 | \$1,625,000 | | | \$3,004,475 | Strategy. Carnation. Damage is approximately 60 lineal feet of the facility with |
| | | | | | | | | | | | | | | | | | missing toe rock and undermined face rock near the Snoqualmie Valley |
| | | | | | | | | | | | | | | | | | Trail. The damage is at the downstream end of Remlinger facility and a |
| | | | | | | | | | | | | | | | | | breach or continued erosion would increase flooding impacts on portions of the Remlinger property. Construction complete. |
| 57 | WLFL3 REMLINGER LEVEE 2017 REPAIR | Tolt | FCD Const | \$143,033 | \$311,000 | \$167,967 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$311,000 | |
| | | | | | | | | | | | | | | | | | Carnation. Capital Investment Strategy: Acquire 2 at-risk homes from |
| 58 | WLFL3 RIO VISTA PROPERTY ACQ | Tolt | FCD Acqu/Elev | \$203 | \$1,432,203 | \$1,432,000 | \$1,638,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$0 | \$8,638,000 | | | \$10,070,203 | willing sellers; acquire remaining 14 homes as funds become available. |
| | | - | | | | | | | | | | | | | | | |

| | Pagin | Turpo of project | 2019 Inception to I | | | 2021 Doguested | 2022 | 2023 | 2024 Forecasted | 2025 | 2026 | 6-Year CIP | CIS Year 7-10 | CIS | Project Life | Commente |
|--|------------------------|------------------------|--------------------------|--------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|------------------|--------------|--------------|---|
| No. Title | Basin | Type of project | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments Carnation. This project will buyout remaining properties and remove all homes and privately-constructed rubble levee at upstream end of the community access road, ultimately completing project initiated 20 years |
| 59 WLFL3 SAN SOUCI NBRHOOD BUYOUT | Tolt | FCD Acqu/Elev | \$4,588,674 | \$5,169,674 | \$581,000 | \$30,000 | \$0 | \$400,000 | \$0 | \$0 | \$0 | \$430,000 | | | \$5,599,674 | |
| 60 WLFL3 SEDIMENT MGMT FEAS | Tolt | FCD Const | \$113,706 | \$441,358 | \$327,652 | (\$177,652) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$177,652) | | | \$263,706 | Carnation. Capital Investment Strategy: Conduct sediment management feasibility study and develop a plan. Update and include upper watershed sediment production estimates. |
| 61 WLFL3 SR 203 BR IMPRVMNTS FEAS | Tolt | FCD Const | \$22,658 | \$395,900 | \$373,242 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$395,900 | Carnation. Capital Investment Strategy: Initiate study (with potential future design and construct) to add bridge span(s), raise the highway and relocate King County Parks parking area. |
| 62 WLFL3 TOLT CIS LONG TERM | Tolt | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$28,800,000 | \$28,800,000 | Carnation. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee. |
| 63 WLFL3 TOLT CIS MED TERM | Tolt | FCD Const | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$56,250,000 | | \$56,250,000 | Carnation. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee. |
| 64 WLFL3 TOLT CORRIDOR PLAN | Tolt | FCD Const | \$1,139,227 | \$1,153,657 | \$14,430 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,153,657 | Carnation. The corridor plan for the lower 6 miles of the Tolt River will develop a prioritized implementation strategy for near-term and long-term floodplain management actions. This project is scheduled for adoption in 2047 |
| 64 WERES TOLT CORRIDOR PLAN | TOIL | FCD Collist | φ1,139,22 <i>1</i> | \$1,155,657 | \$14,430 | | <u>۵</u> ۵ | | | <u>۵</u> ۵ | \$U | Φ Ο | | | \$1,155,657 | Carnation. Capital Investment Strategy: Conduct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk |
| 65 WLFL3 TOLT R LEVEE L.O.S. ANALYSIS | Tolt | FCD Const | \$344,315 | \$756,624 | \$412,309 | \$185,191 | \$30,400 | \$0 | \$0 | \$0 | \$0 | \$215,591 | | | \$972,215 | reduction benefits Carnation. Acquisition funding for high risk properties in levee setback |
| 66 WLFL3 TOLT R MILE 1.1 ACQ | Tolt | FCD Acqu/Elev | \$4,214,727 | \$4,255,325 | \$40,598 | (\$40,348) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$40,348) | | | \$4,214,977 | project area. Project priorities will be determined by the Board through adoption of the Tolt Corridor Plan. Carnation. Capital investment strategy: acquire at-risk homes from willing |
| 67 WLFL3 TOLT R NATURAL AREA ACQ | Tolt | FCD Acqu/Elev | \$2,555,550 | \$4,185,550 | \$1,630,000 | \$0 | \$50,000 | \$700,000 | \$0 | \$0 | \$0 | \$750,000 | | | \$4,935,550 | |
| 68 WLFL3 TOLT R RD ELEVATION FEASIBILITY | Tolt | FCD Const | \$50,160 | \$250,000 | \$199,840 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$250,000 | feasibility of elevating sections of Tolt River Road. Carnation. Capital Investment Strategy: Initiate design for elevation of one road location to reduce or eliminate isolation. Implement additional road |
| 69 WLFL3 TOLT R RD NE IMPROVEMENTS | Tolt | FCD Const | \$0 | \$0 | \$0 | \$0 | \$53,045 | \$109,273 | \$225,102 | \$1,043,347 | \$1,432,863 | \$2,863,630 | | | \$2,863,630 | elevations as funds become available. Carnation. Capital Investment Strategy: Construct Tolt Road NE road |
| 70 WLFL3 TOLT R RD SAN SOUCI ELEVATION | Tolt | FCD Const | \$12,722 | \$185,000 | \$172,278 | \$200,000 | \$700,000 | \$700,000 | \$825,000 | \$0 | \$0 | \$2,425,000 | | | \$2,610,000 | elevation in one location. Remove illegal revetment and roads in San Souci neighborhood. Carnation. Capital Investment Strategy: Initiate the levee setback design |
| 71 WLFL3 UPPER FREW LEVEE SETBACK | Tolt | FCD Const | \$0 | \$50,000 | \$50,000 | \$0 | \$159,000 | \$175,000 | \$1,200,000 | \$1,500,000 | \$14,800,000 | \$17,834,000 | | | \$17,884,000 | in order to apply for grant funding. Levee setback to increase sediment storage and floodwater conveyance; protect adjacent development; reduce damage to trail bridge. |
| 72 WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS | Raging | FCD Acqu/Elev | \$1,753,810 | \$1,853,460 | \$99,650 | (\$69,650) | \$400,000 | \$0 | \$0 | \$0 | \$0 | \$330,350 | | | \$2,183,810 | Fall City. Acquisition of single-family homes and future acquisition of mobile home park at risk of channel migration along the Raging River in the Alpine Manor neighborhood. |
| 73 WLFL4 RAGING MOUTH TO BR 2017 REPAIR | Raging | FCD Const | \$266.859 | \$500.000 | \$233.141 | (\$233.141) | \$0 | 02 | \$0 | 03 | \$0 | (\$233.141) | | | \$266.859 | Fall City. Repair 150 lineal feet of discontinuous damage and missing toe rock. The levee protects the landward area from flooding and serves as the road embankment for Dike Rd, an access road to the Fall City boat launch. The damaged levee section is immediately adjacent to the Twin Rivers golf course barn, which would experience greater flooding if the levee were breached. Scheduled for 2018 construction. |
| | Raging | | | | | | φ3 | 20 | <u>۵</u> ۵ | \$0 | | | | | | Fall City. This bridge has a history of scour damage. One of the arch foundations is exposed. Repair scour mitigation measures to protect the footing. It serves only one house but is a designated King County |
| 74 WLFL4 RAGING SCOUR REPAIR 2017 75 Snoqualmie-South Fork Skykomish Subtotal 76 | Raging | Agreement | \$25,062 \$64,754,912 | \$80,000 \$89,424,415 | | \$0 \$15,954,322 | \$0 \$18,079,661 | \$0 \$21,688,586 | \$0 \$29,618,284 | \$0 \$13,618,851 | \$0 \$28,738,648 | \$0 \$130,098,351 | \$99,250,000 | \$85,900,000 | | Landmark. |
| 77 78 WLFL5 ALLEN LK OUTLET IMPRVMNT | Sammamish | Agreement | \$0 | \$400.000 | \$400.000 | \$445.000 | \$1,365.000 | \$585.000 | \$0 | \$0 | \$0 | \$2,395,000 | | | \$2,795,000 | Sammamish. To address chronic flooding on this sole access roadway with approximately 200 properties, look at upstream and downstream retention/detention options; study road-raining options; prepare Concept Development Report, analyze and select best options. |
| | | | ΦŪ | , | | | | | | | | | | | | Issaquah. The Bayless Revetment protects a sole access bridge to a residential community (about 70 homes) in the City of Issaquah. The facility was flanked and/or overtopped during the flood resulting in flooding of the low lying Sycamore neighborhood in the City of Issaquah behind the revetment. Continued erosion may result in damage to the bridge and |
| 79 WLFL5 BAYLESS 2020 REPAIR | Sammamish | FCD Const | | \$50,000 | \$50,000 | \$200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$200,000 | | | | ongoing flooding to the neighborhood. Sammamish. This project will restore access to one river mile of high quality kokanee salmon habitat and reduce the risk of flooding by reducing be diserved here of the second secon |
| 80 WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH 81 WLFL5 IRWIN R 2020 REPAIR | Sammamish Sammamish | Agreement FCD Const | | \$400,000 \$25,000 | \$400,000 \$25,000 | \$0 \$100.000 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$100,000 | | | | sediment deposition. Issaquah. Further damage to the facility could cut off the sole access to one resident (via a private road and bridge over the creek). |
| | Gammannsn | | | φ ∠ ∂,000 | φ ∠ Ͽ,000 | φτου,υυυ | ΦU | <u>م</u> ک | <u>م</u> | Φ0 | φU | φ100,000 | | | φ123,000 | Issaquah. The Jerome Revetment protects three private residences in the City of Issaquah. Erosion of the revetment could result in loss of property and damage to private utilities. Loss of bank in front of middle property. 70 |
| 82 WLFL5 JEROME 2020 REPAIR | Sammamish | FCD Const | | \$50,000 | \$50,000 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | | | \$150,000 | linear feet (LF) of erosion. |

| | | | 2019 Inception to | 2020 | 2020 Available | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 6-Year CIP | CIS | CIS | Project Life | |
|--|---------------|-----------------|-------------------|--------------|----------------|----------------------|-------------|-------------|-------------|----------------------|-------------|--------------|-------------------|----------------------|-----------------------|--|
| No. Title | Basin | Type of project | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments |
| 83 WLFL5 MOMB 2020 REPAIR | Sammamish | FCD Const | | \$50,000 | \$50,000 | \$60,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$60,000 | | | \$110,000 | Issaquah. Damage to the SE 156th St. road next flood season could cut off the sole access to a community of about 30 homes. More erosion at the downstream end of the facility may further destabilize the steep slope of the landslide and threaten downstream homeowners. |
| 84 WLFL5 WILLOWMOOR FLDPLAIN REST | Sammamish | FCD Const | \$3,223,377 | \$3,520,977 | \$297,600 | \$1,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,000,000 | | | \$4 520 977 | Redmond. Willowmoor Floodplain Restoration Project seeks to reduce the frequency and duration of high lake levels in Lake Sammamish while maintaining downstream Sammamish River flood control performance and enhancing habitat. The project will reconfigure the Sammamish transition zone to ensure ongoing flow conveyance, downstream flood control, potential extreme lake level reduction, habitat conditions improvement, and reduction of maintenance impacts and costs. Project is currently on hold pending completion of a 3rd party review scheduled to be completed in December 2020. The 2021 funding shown here is a placeholder only pending the outcome of the review. |
| | | | \$0,220,011 | | | | | | | \$0 | \$0 \$0 | | | | | Redmond. Identify and prioiritize near-, mid-, and long-term capital |
| 85 WLFL5 SAMMAMISH CIS | Sammamish | FCD Const | | \$250,000 | \$250,000 | \$732,472 | \$870,532 | \$531,000 | \$0 | ~~ | | \$2,134,004 | | | | projects for Flood Control District funding along the Sammamish River. Redmond. Protect Avondale Rd from an embankment that has been |
| 85 WLFL6 BEAR CRK FLOOD EROSION REDMOND | Lk Wash Tribs | Agreement | | \$550,000 | \$550,000 | \$550,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$550,000 | | | \$1,100,000 | scoured by floodwaters from Bear Creek. |
| 86 WLFL6 FACTORIA BLVD DRAINAGE | Lk Wash Tribs | Agreement | | \$1,071,000 | \$1,071,000 | \$3,721,000 | \$2,022,000 | \$0 | \$0 | \$0 | \$0 | \$5,743,000 | | | \$6,814,000 | Bellevue. Reduce flooding during high-intensity storm events along Factoria Boulevard, a major transportation corridor within the City of Bellevue. These events have increased in frequency and are anticipated to be even more frequent in the future as a result of climate change. |
| 87 WLFL6 ISSAQUAH TRIB FEAS | Lk Wash Tribs | Agreement | \$233,156 | \$350.000 | \$116,844 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$350.000 | Issaquah. Prepare a feasibility analysis report which will include, but is not limited to, surveying, geotechnical analysis, traffic analysis, and hydraulic analysis to idenify potential solutions to bridge deficiencies, including a constructed hydraulic opening with piles that collect debris and pose risks to the stability of the bridge. |
| 88 WLFL6 LOWER COAL CRK PH I | Lk Wash Tribs | | \$7,754,240 | \$11,061,592 | | \$300.000 | \$200,000 | \$285.000 | | \$1,432,358 | \$0 | \$3,527,358 | | | \$14.588.950 | Bellevue. Increase conveyance capacity at the five box culvert crossings. Disconnect local storm drainage outfall from Coal Creek and redirect them to Lake Washington. Implemented by City of Bellevue. Expenditure forecast to be updated based on gurrent project cabedula. |
| | | | 0000-5-45 | | 0000.455 | | | | | | | | | | | Newcastle. As recommended in the May Creek Basin Plan, two sediment traps will be constructed on May Creek tributaries (Cabbage and Country Creeks) to limit sediment loading. FCD funding is for initial feasibility analysis, landowner outreach, and acquisition of property from willing sellers for a future sediment facility. 2020 funding is for permitting and |
| 89 WLFL6 MAY VALLEY DRAINAGE IMPRVMNT | Lk Wash Tribs | Agreement | \$220,545 | \$530,000 | \$309,455 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$530,000 | project design. Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. |
| 90 WLFL7 BELMONDO 2020 REPAIR | Cedar | FCD Const | | \$50,000 | \$50,000 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | | | \$150,000 | Potential human injury from sudden change in conditions. Generally |
| 91 WLFL7 BRODELL 2020 REPAIR | Cedar | FCD Const | | \$50,000 | \$50,000 | \$450,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$450,000 | | | \$500,000 | Renton. Residential land use and critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. |
| 92 WLFL7 BYERS 2020 REPAIR | Cedar | FCD Const | | \$25,000 | \$25,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$25,000 | Renton. Emergency action to prevent flooding of Byers Road, which is the sole access/egress for numerous residences along the Cedar River. |
| 93 WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS | Cedar | FCD Const | \$0 | \$0 | \$0 | \$220,000 | \$300,000 | \$50.000 | | \$0 | \$0 | \$570,000 | | | \$570.000 | Renton. Capital Investment Strategy: Take several actions to reduce flood risk including construction of an emergency egress route, acquisition of flood-prone homes, and possible elevation of neighborhood roads. The Cedar CIS will be reviewed by the District in 2021 in light of changed conditions from the 2020 flood disaster. |
| 94 WLFL7 CDR PRE-CONST STRTGC ACQ | Cedar | FCD Acqu/Elev | | \$4.661,708 | \$675,000 | \$2,068,824 | \$1,600,000 | \$1,600,000 | \$1,600,000 | \$1,600,000 | \$1,600,000 | \$10,068,824 | | | | Renton. This project will acquire strategic real estate upon which several large Flood Control District capital projects are dependent (Project J in the Capital Investment Strategy). |
| 95 WLFL7 CEDAR CIS LONG TERM | | FCD Acqu/Elev | <i> </i> | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$35,400,000 | | Renton.Implement projects identified in the Capital Investment Strategy, |
| | Cedar | | | | | | | • - | | | | | #00.000.00 | φ 3 0,400,000 | | approved as policy direction by the Executive Committee. Renton.Implement projects identified in the Capital Investment Strategy, |
| 96 WLFL7 CEDAR CIS MED TERM | Cedar | FCD Acqu/Elev | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$22,000,000 | | \$22,000,000 | approved as policy direction by the Executive Committee. Renton. This six-year flood risk reduction capital investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile 22) to |
| 97 WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar Corrido | orCedar | FCD Const | \$1,852,687 | \$1,987,587 | \$134,900 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,987,587 | |
| 98 WLFL7 CEDAR R DWNSTREAM 2024 IMPV | Cedar | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$100,000 | | | \$100,000 | Renton. Improve Cedar Grove Road near Byers Road SE and alleviate roadway flooding by raising the road through the application of a thick layer of overlay. |
| 99 WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR | Cedar | FCD Const | | \$50,000 | \$50,000 | \$136,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$136,000 | | | \$186,000 | Erosion and scour have resulted in loss of upper ballast, dislodging of key logs, shearing of piles, and damage to hardware connections, to an Engineered Log Jam (ELJ #6), within the Cedar Rapids reach. |
| 100 WLFL7 CEDAR RES FLOOD MITIGATION | Cedar | FCD Acqu/Elev | | \$674,000 | \$674,000 | \$2,4 <u>0</u> 0,000 | \$1,600,000 | \$1,600,000 | \$1,600,000 | \$1, <u>60</u> 0,000 | \$1,600,000 | \$10,400,000 | | | \$11, <u>0</u> 74,000 | Renton. Implement projects identified in the Capital Investment Strategy, approved as policy direction by the Executive Committee. Project K on the CIS: Risk analysis has identified 53 homes as high risk from flooding and channel migration, but which are not mitigated by projects. Elevate or purchase approximately 2 homes per year. |

| | | | | | 2020 | | | | | | | | | | | |
|-----|---|-------|------------------------|---------------------------------------|-----------------------------|----------------------------|---|--------------------|--------------------|--------------------|--------------------|---|---------------------|------------------|-----------------|--|
| No. | Title | Basin | Type of project | 2019 Inception to Date Expenditure | Inception to Date Budget | 2020 Available Budget | 2021 Requested | 2022 Forecasted | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 6-Year CIP Total | CIS Year 7-10 | CIS 10+ Year | Project Life Total Comments |
| | WLFL7 CEDAR RVR GRAVEL REMOVAL | Cedar | Agreement | \$9,831,778 | \$12,566,549 | \$2.734.771 | \$268,551 | \$200.000 | \$203,000 | \$500.000 | \$500,000 | \$0 | \$1.671.551 | | | Renton. The project ensures the minimum required 100-year flood conveyance capacity along the lower 1.25 miles of the Cedar River. Project is a required maintenance action by the Army Corps of Engineers Section 205 Flood Control Project. Maintenance dredging took place in 2016. Project funding shown herein represent post construction mitigation monitoring and reporting as well as the planning and design of the next dredging project. Additional funding will be needed beyond 2026 to cover permitting, mitigation plan development, construction, mitigation and post- construction monitoring work associated with the next cycle of dredging. |
| | | | Ť | | . , , | | , | | | | . , | | | | | Renton. Levee improvements necessary to satisfy levee certification |
| | WLFL7 CITY OF RENTON LEVEE CERTIFICATION | Cedar | Agreement FCD Const | \$0 | \$5,000,000 \$1,178,000 | \$5,000,000 \$1,178,000 | \$0 \$55,000 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$55,000 | | | \$5,000,000 engineering recommendations. Renton. This emergency action will armor up to 300 feet river bank and construct a buried revetment to stabilize the bank and prevent further erosion to the most damaged portion. This emergency action and the subsequent extension are upstream of the CRT 2 revetment in an area \$1,233,000 referred to as "Zone B." |
| 104 | WLFL7 CRT SITE 5 2020 REPAIR | Cedar | FCD Const | | \$100,000 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | Renton. Erosion and scour have resulted in loss of toe and bank rock, oversteepened and undercut banks (some portions cantilevered). Scour has undermined numerous large trees, likely to fall into the channel likely resulting in further damage of the bank. Damage is observed along approximately 350 feet of facility, near the upstream end. |
| | | | | | | | | | | | | | | | | Renton. Capital Investment Strategy: Repair eroded section of left bank with bioengineered revetment to stabilize toe of bank and to prevent large |
| | WLFL7 CRT SITE A BANK WLFL7 CRT2 ZONE D 2020 REPAIR | Cedar | FCD Const | \$23,690 | \$208,302 \$50,000 | \$184,612 \$50,000 | \$0 | \$0 \$0 | \$0 | \$0 \$0 | \$0 \$0 | <u>\$0</u> \$0 | \$0 \$143,000 | | | \$208,302 scale bank failure. Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Damage may occur next flood season/likelihood increasing. This damage is to the CRT 2 revetment downstream of the emergency repair site listed separately; \$193,000 area is referred to as "Zone D". |
| 107 | WLFL7 DORRE DON AVULSION ANALYSIS | Cedar | FCD Const | | \$50,000 | \$50,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | Renton. The main channel has avulsed into the previous left floodplain, \$50,000 leading to erosion of the channel bank, adjacent to 231st PI SE. |
| 108 | WLFL7 DORRE DON NBHOOD IMPRVMNT | Cedar | FCD Const | \$0 | \$0 | \$0 | \$2,400,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,400,000 | | | Renton. Capital Investment Strategy: This project will acquire flood-prone homes per the Cedar CIS, as well as evaluate if changes to the levee and road elevation will result in meaningful flood risk reduction and to determine what level of protection can be provided. The study would also evaluate other structural improvements such as raising Lower Dorre Don Way SE upstream and downstream of the trail crossing and farther downstream near RM 16.3. The Cedar CIS will be reviewed by the District in 2021 in light of changed conditions from the 2020 flood disaster. |
| | WLFL7 FBD CORRIDOR IMPLEMENTATION | Cedar | FCD Acqu/Elev | | \$5,836,796 | \$0 | \$0 | \$0 | \$0 | \$0 \$0 | \$0 | \$0 | \$0 | | | Renton. Washington State Floodplains by Design grant from the Department of Ecology. The project will buyout residents in high risk areas, increase the capacity for flood storage, and provide corresponding environmental improvements. The project has cost-share funding from the City of Seattle. Also funds design elements of the Herzman project \$5,836,796 and Riverbend. |
| | | | | | | | | | | | | | | | | Renton. Capital Investment Strategy: Setback levee; excavate side- channel to reduce pressure on revetment; reconstruct, reinforce and/or |
| | WLFL7 HERZMAN LEVEE SETBACK WLFL7 ISSAQUAH MAY VALLEY IMPV | Cedar | FCD Const | \$1,297,391 \$88,319 | \$2,154,391 \$100,000 | \$857,000 \$11,681 | \$00\$0\$00\$0\$00\$0\$00\$0\$000\$000\$000\$000\$000\$000\$000\$000 | \$150,000 \$0 | \$4,200,000 \$0 | \$50,000 \$0 | \$0 \$0 \$0 | \$0\$0\$0\$0\$0\$0\$0\$0\$0\$0\$0\$0\$0 | \$4,400,000 | | | \$6,554,391 extend revetment; acquire up to 5 properties. Issaquah. This project will construct improvements to the intersection which could be either a roundabout or additional travel lanes with a travel signal at the intersection of Issaquah Hobart Road SE and SE May Valley \$100,000 Road. |
| 112 | WLFL7 JAN ROAD NEIGHBORHOOD | Cedar | FCD Const | \$667,183 | \$2,106,868 | \$1,439,685 | \$672,562 | \$7,127,975 | \$50,000 | \$0 | \$0 | \$0 | \$7,850,537 | | | Renton. Capital Investment Strategy: Suite of solutions to be determined as part of feasibility study. Includes raise road, partial removal of Jan Road levee, construction of side channel, and mitigation of at-risk properties. Construction phased for mitigation in 2021 and other improvements in \$9,957,405 2023. |
| 113 | WLFL7 LOWER CEDAR FEASIBILITY STUDY | Cedar | Agreement | \$1,390 | \$400,000 | \$398,610 | \$120,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$120,000 | | | Renton. Capital Investment Strategy: Conduct feasibility study of Lower Cedar reach in City of Renton to 1) quantity economic damage potential 2) determine infrastructure modifications to improve flood resiliency and \$520,000 sediment storage potential, and 30 conduct cost-benefit analysis. |
| | WLFL7 LOWER JONES ROAD NEIGHBORHOOD | Cedar | FCD Const | \$202,956 | \$1,898,466 | \$1,695,510 | \$681,352 | | \$4,540,762 | \$1,631,720 | \$0 | \$0 | | | | Renton. Capital Investment Strategy: Raise in place or setback Jones Road; excavate and stabilize right bank to increase conveyance capacity; reinforce one revetment; remove portion of another revetment; acquire 8 at risk properties Construction delayed to 2024 to accommodate Jan Rd \$8,987,389 construction in 2021 or 2022. |
| 115 | WLFL7 MADSEN CR CULVERT 2017 | Cedar | Agreement | \$426,520 | \$3,326,000 | \$2,899,480 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | Renton. To address a culvert failure affecting approximately 10 properties, prepare Concept Development Report to analyze and select best culvert replacement and road-raising option; and analyze upstream and \$3,326,000 downstream retention/detention impacts. |
| 116 | WLFL7 MADSEN CR RENTON | Cedar | Agreement | \$62 | \$635,000 | \$634,938 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | Renton. Design and implement phase I improvements to Madsen Creek to achieve 100-year level flood protection for properties south of SR 169 \$635,000 and 25-year level flood protection for properties north of SR 169. |

| | | | | 2020 | | | | | | | | | | | |
|--|-------|----------------------|--------------|----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------|----------------------|--------------------|-----------------------------|------------------|-----------------|--|
| No. Title | Basin | 2 Type of project | | nception to Date Budget | 2020 Available Budget | 2021 Requested | 2022 Forecasted | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 6-Year CIP Total | CIS Year 7-10 | CIS 10+ Year | Project Life Total Comments |
| | | | | - C | | | | | | | | | | | Renton. Capital Investment Strategy: Conduct site specific landslide risk assessment study; conduct a feasibility study to evaluate opportunities to modify the Erickson Levee. Pending results of landslide hazard analysis, |
| 117 WLFL7 MAPLEWOOD FEASIBILITY STUDY | Cedar | FCD Const | \$297,086 | \$490,246 | \$193,160 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$490,246 FCD will consider options for a project. Renton. This project represents the Flood District contribution to a larger |
| 118 WLFL7 RIVERBEND MHP ACQ | Cedar | FCD Acqu/Elev | \$4,378,048 | \$5,231,042 | \$852,994 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | project that relocates mobile home park tenants and initiates preliminary engineering design for potential levee setback / realignment to reduce flood heights, velocities and channel migration risk in this reach. \$5,231,042 |
| | | | | | | | | | | | | | | | Renton. Conduct feasibility study in coordination with WSDOT to evaluate flood risk reduction opportunities, such as elevating SR 169, upgrading the local drainage infrastructure, and / or installation of back flow prevention gates. Funding added in 2019 pending FCD decision to move forward |
| 119 WLFL7 SR 169 FLOOD REDUCTION | Cedar | FCD Const | \$295,338 | \$785,003 | \$489,665 | \$2,593,492 | \$50,000 | \$0 | \$0 | \$0 | \$0 | \$2,643,492 | | | \$3,428,495 with preliminary design. Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents. Potential human injury from sudden change in conditions. Generally exposed bank along 200 feet - damage likely to occur next major high-flow |
| 120 WLFL7 TABOR-CROWALL 2020 REPAIR | Cedar | FCD Const | \$40,617,269 | \$100,000 \$68,023,527 | \$100,000 \$27,406,257 | \$250,000 \$19,767,253 | \$800,000 \$16,520,596 | \$50,000 \$13,694,762 | \$0 \$6,791,720 | \$0 \$5,132,358 | \$0 \$3,200,000 | \$1,100,000 \$65,106,689 | \$22,000,000 | \$35,400,000 | \$1,200,000 event. \$190,530,216 |
| 121 Cedar-Sammamish Subtotal 122 | | | \$40,617,269 | \$68,023,52 <i>1</i> | \$27,406,257 | \$19,767,253 | \$16,520,596 | \$13,694,762 | \$6,791,720 | \$0,1 <i>32,3</i> 08 | \$3,200,000 | \$65,106,689 | \$22,000,000 | \$35,400,000 | \$190,530,216 |
| 123 124 WLFL8 BRISCOE LEVEE SETBACK | Green | Agreement | \$21,193,077 | \$23,330,271 | \$2,137,194 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | Kent. Floodwall construction at four locations completed by the City of Kent. Final expenditures for the remainder of 2017 will include reimbursement for property acquisition and riparian plantings. The revised 2017 financial plan includes revenue of \$4.1 million for the sale of the Rivers Edge Business Park. Per FCD 2016-20 Section 6, this revenue makes expenditure authority available for the Lower Russell Levee Setback project. The Briscoe project will be closed out once the District's \$23,330,271 ILA with Kent expires in 2018. |
| 125 WLFL8 BRPS CONTROL BLDG RPLCMT | Green | FCD Const | \$16,841 | \$2,007,382 | \$1,990,541 | \$3,009,459 | \$15,000,000 | \$10,000,000 | \$7,000,000 | \$966,451 | \$0 | \$35,975,910 | | | Renton. This project will design and build the second phase of renovations to the Black River pump station. Major components include replacement of the control building, replacement of the trash rake system, and \$37,983,292 replacement of the screen spray system. |
| 126 WLFL8 BRPS FISH PASS IMPRVMNTS | Green | FCD Const | | \$350.000 | \$350.000 | \$500.000 | \$600.000 | \$1,500,000 | \$1.500.000 | \$8.436.443 | \$8.436.443 | \$20.972.886 | | | Renton. This project will design and build the fourth phase of renovations to the Black River pump station, revising and replacing the obsolete fish \$21,322,886 passage systems. |
| 127 WLFL8 BRPS HIGH-USE ENGINES | Green | FCD Const | \$1,518,227 | \$5,433,776 | \$3.915.549 | \$1.984.451 | \$35,196 | \$0 | \$0 | \$0 | \$0 | \$2.019.647 | | | Renton. This project will design and build the first phase of renovations to the Black River pump station, replacing the three smaller pump engines \$7.453.423 which run much more frequently than the other, larger pump engines. |
| 128 WLFL8 BRPS LARGE ENGINE REPLACEMENT | Green | FCD Const | \$0 | \$0 | \$0 | \$0 | \$250,000 | \$500,000 | \$1,000,000 | \$0 \$0 | \$0 \$0 | \$1,750,000 | | | Renton. This project will design and replace the large engines and \$1,750,000 overhaul the large pumps at the Black River pump station. |
| 129 WLFL8 BRPS SEISMIC UPGRADES | Green | FCD Const | \$0 | \$0 | \$0 | \$1,000,000 | \$2,000,000 | \$16,500,000 | \$5,000,000 | \$795,000 | \$0 | \$25,295,000 | | | Renton. This project will strengthen and improve the structure and \$25,295,000 subsurface soils at the Black River Pump Station. |
| 130 WLFL8 BRPS SUPPORT SYS UPGRADES | Green | FCD Const | | \$1,149 | \$1,149 | (\$1,149) | \$0 | \$0 | \$920,000 | \$3,290,000 | \$8.857 | \$4.217.708 | | | Renton. This project will design and build the third phase of renovations to the Black River pump station, replacing support systems such as engine control panels, cooling systems, oilers and hoists. |
| 131 WLFL8 COVINGTON CR BLACK DIAMOND | Green | Agreement | | \$291,500 | \$291,500 | \$2,002,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,002,000 | | | Black Diamond. Remove the three 6-foot diameter culverts where Lake Sawyer flows into Covington Creek and replace with a bridge to eliminate \$2,293,500 obstructions for water flow and allow passage for migrating salmon. |
| 132 WLFL8 DESIMONE MAJOR REPAIR USACE | Cedar | Agreement | | \$80,000 | \$80,000 | \$770,000 | \$10,000 | \$0 | \$0 | \$0 | \$0 | \$780,000 | | | Kent. This project will assess the damaged section of Desimone Levee between the two new floodwall segments, and recommend possible options for repair. Only the conditions assessment is proposed for \$860,000 funding. |
| 133 WLFL8 FORT DENT 2020 REPAIR | Green | FCD Const | | \$50,000 | \$50,000 | \$100,000 | \$350,000 | \$0 | \$0 | \$0 | \$0 | \$450,000 | | | Damage increases vulnerability of the heavily used regional Green River trail and regional soccer complex (Starfire) and Tukwila Park. Erosion \$500,000 increases vulnerability to trail and soccer fields. Auburn. Complete Phase 1 repair per a request from the City of Auburn. |
| 134 WLFL8 GALLI-DYKSTRA 2020 REPAIR | Green | FCD Const | \$90,891 | \$407,314 | \$316,423 | \$360,095 | \$0 | \$0 | \$0 | \$0 | \$0 | \$360,095 | | | Elevate 3500 feet levee reach to meet FEMA levee certification \$767,409 requirements. |
| 135 WLFL8 GALLI-DYKSTRA FEASIBILITY | Green | FCD Const | \$4,970 | \$0 | (\$4,970) | \$9,940 | \$0 | \$0 | \$0 | \$0 | \$0 | \$9,940 | | | Auburn. Conduct a feasibility study to raise the levee providing 100-year flood protection plus 3 feet of freeboard. Canceled and incorporated into \$9,940 Galli-Dykstra 2020 Repair. |
| 136 WLFL8 GREEN PRE-CONST ACQ | Green | FCD Acqu/Elev | \$2,577,724 | \$10,368,856 | \$7,791,132 | \$2,208,868 | \$5,000,000 | \$5,000,000 | \$5,000,000 | \$5,000,000 | \$5,000,000 | \$27,208,868 | | | Tukwila. This project will acquire strategic real estate upon which future large Flood Control District capital projects are dependent, thereby \$37,577,724 reducing risks to construction schedules for those projects. |
| 137 WLFL8 GREEN R IMPROVEMENT 2024 | Green | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$100,000 | | | Auburn. Improve SE Green Valley Road near SE Auburn Black Diamond Road and alleviate roadway flooding by raising the road through the \$100,000 application of a thick layer of overlay. |
| | | | | | ¥* | ψu | | ψu | | ¥* | ¥ | | | | Auburn. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintain eligibility for US Army Corps of Engineers PL84-99 program. The current mitigation effort is the Teufel project scheduled for |
| 138 WLFL8 GREEN R PL84-99 MITIGATN | Green | FCD Const | \$5,258,368 | \$5,660,541 | \$402,173 | (\$387,173) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$387,173) | | | \$5,273,368 2018 construction. Auburn. This project will address scour damage to the bridge, which is on the primary through route of the Green River Valley Rd. The bridge is also |
| 139 WLFL8 GREEN SCOUR REPAIR 2017 | Green | Agreement | \$47,524 | \$150,000 | \$102,476 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$150,000 a King County landmark. |

| | Davia | | 2019 Inception to | 2020 Inception to Date | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 6-Year CIP | CIS | CIS | Project Life | Quantum |
|--|----------|------------------------|-----------------------|---------------------------|-----------------------|--|--------------------|-------------|---------------------------|------------|-------------------|---------------------------------------|-----------|----------|-----------------------|---|
| No. Title | Basin | | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments Kent. New project to implement interim SWIF adopted by Board of Supervisors. This project will reconstruct the Horseshoe Bend Levee at the Breda reach (RM 24.46-24.72) to a more stable configuration in order to reduce flood risk to the surrounding areas. The project will also raise levee crest elevations to contain the 500-year (0.2% annual chance) flood. This segment of the levee has the lowest factor of safety rating of |
| 140 WLFL8 HSB BREDA SETBACK KENT | Green | Agreement | \$930,509 \$4,244 | \$7,190,330 \$516,138 | | (\$5,259,821) \$0 | \$5,200,000 \$0 | | \$400,000 \$700,000 | \$0 \$0 | <u>\$0</u> \$0 | \$8,240,179 \$2,888,106 | | | | the Horseshoe Bend levee. Kent. This USACE repair project replaces the SWIF capital project originally planned by the FCD. The repair project is anticipated to stabilize the failure of the levee slope, construct a ring levee around an isolated utility, and shift the alignment of the federal levee back to the City of Kent's secondary containment levee. |
| 142 WLFL8 HSB NURSING HOME SETBACK | Green | FCD Const | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 | Kent. New project to implement interim SWIF adopted by Board of Supervisors. The Nursing Home levee is over-steepened and does not meet current engineering standards. The economic consequence of levee failure or overtopping to the lower Green River valley is extensive and could cause tens of millions of dollars in damage. This capital project area contains a 'Minimally Acceptable' deficiency by the US Army Corps of Engineers at RM 25. 5 (over steepened slopes from 1. 25 to 1. 7H:1V for 225 feet). The Horseshoe Bend Levee Certification Report calculated a Factor of Safety (FOS) value for rapid drawdown of 1. 01 at RM 25. 57 (Section F). This is barely above the minimum FOS (1. 0) from the US Army Corps of Engineers manual. |
| | | | | | | | | | | | ¥- | | | | | Kent. Coordination and planning activities to implement recommendations of interim SWIF. Maintenance work associated with the interim SWIF is |
| 143 WLFL8 INTERIM SWIF IMPLEMENTATION | Green | FCD Const | \$83,675 | \$85,000 | \$1,325 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$85,000 | included in the operating budget. Auburn. Contribute the partial cost of a repair (\$500,000) to a \$5 million |
| 144 WLFL8 LONES LEVEE SETBACK | Green | Agreement | | \$1,850,000 | \$1,850,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,850,000 | levee setback project. By relocating the levee, flood risks as well as future repair costs for the Flood Control District are reduced. Kent, Acquisitions by the City of Kent for the Lower Russell levee setback |
| 145 WLFL8 LOWER RUSSELL ACQ KENT | Green | Agreement | \$1,123,668 | \$1,123,668 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,123,668 | |
| 146 WLFL8 LWR GRN R CORRIDOR PLAN/EIS | Green | FCD Const | \$329,299 | \$1,743,249 | \$1,413,950 | \$0 | \$1,211,050 | \$0 | \$0 | \$0 | \$0 | \$1,211,050 | | | \$2,954,299 | |
| | | | | | | | | | | | | | | | | and revetments along the right (east) bank of the Green River between river mile 17.85 (S 212th St) and river mile 19.25 (S 231st Way) in the City of Kent to provide long-term flood protection and improve riparian and aquatic habitat. Increased expenditure authority to match interim SWIF |
| 147 WLFL8 LWR RUSSELL LEVEE SETBACK | Green | FCD Const | \$16,516,475 | \$29,441,378 | \$12,924,903 | \$21,518,860 | \$2,292,913 | \$0 | \$0 | \$0 | \$0 | \$23,811,773 | | | \$53,253,151 | adopted by Board of Supervisors. Kent. Prepare an analysis and study of design and construction |
| 148 WLFL8 MILWAUKEE LEVEE #2-KENT | Green | Agreement | \$418,401 | \$19,400,000 | \$18,981,599 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$19,400,000 | alternatives to provide flood protection, scour protection, enable levee certification and secure necessary land rights. |
| 149 WLFL8 NEWAUKUM CR FLOOD CONVEYANCE RES | ST(Green | FCD Const | | \$65,000 | \$65,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$65,000 | Enumclaw. An undersized culvert causes flooding that could block a sole access road. |
| 150 WLFL8 OLD JEFFS FARM REVETMENT | Green | FCD Const | \$301,921 | \$377,327 | \$75,406 | \$524,394 | \$406,000 | \$2,880,780 | \$0 | \$0 | \$0 | \$3,811,174 | | | \$4,188,501 | Auburn. This project will conduct a feasibility analysis of channel migration hazards from river mile 21.1 to 21.7. Alternative selection is pending; alternative 1 is assumed as a placeholder. |
| | | | | | | | | | | | | | | | | Kent. Project is to improve the levee by providing a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve slope stability. These segments of the Russell Road Upper Levee have over- steepened slopes and therefore lack adequate structural stability to |
| 151 WLFL8 RUSSELL RD UPPER KENT 152 WLFL8 S 106TH ST DRAINAGE IMPVMNT | Green | Agreement Agreement | \$6,065,056 | \$6,082,173 \$451,000 | \$17,117 \$451,000 | \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | \$0 \$0 | | | | provide adequate safety. Burien. Replace an existing damaged and undersized pipe that runs under eleven properties to prevent stormwater flooding. |
| | Gleen | Agreement | | φ431,000 | φ 4 31,000 | ψ0 | | φ0 | | φU | ψ0 | φ0 | | | φ 4 31,000 | Kent. Project provides increased level of protection to 1.5 miles of Lower |
| 153 WLFL8 SIGNATURE PT REVETMENT KENT | Green | Agreement | \$345,419 | \$1,745,000 | \$1,399,581 | \$28,200,419 | \$26,800,000 | \$0 | \$0 | \$0 | \$0 | \$55,000,419 | | | \$56,745,419 | Green River Corridor. Alternative selected by Executive Committee. Kent. Repair of the recent damage to the Titus Pit RB revetment is |
| 154 WLFL8 TITUS PIT RVTMNT 2018 REPAIR | Green | Agreement | \$167.738 | \$250.000 | \$82.262 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$250.000 | needed to prevent a potential revetment failure and Green River road collapse. The revetment protects an adjacent King County arterial road and utilities (such as water, natural gas, telecommunication and power) under the road. |
| | | | <i><i><i></i></i></i> | \$200,000 | <u> </u> | ΨŬ | | | <u> </u> | <i></i> | <u> </u> | ψ ^ψ | | | \$200,000 | Tukwila. New project to implement interim SWIF adopted by Board of Supervisors. This project will construct a facility to bring this levee segment in compliance with certification requirements for structural |
| 155 WLFL8 TUK-205 GUNTER FLOODWALL | Green | FCD Const | | \$2,000,000 | \$2,000,000 | \$9,423,000 \$0 | \$2,265,000 | | \$32,075,135 \$300,000 | \$0 \$0 | <u>\$0</u> \$0 | · · · · · · · · · · · · · · · · · · · | | | \$46,922,635 | stability and raise the levee to roughly the 500 year event. Tukwila. New project to implement interim SWIF adopted by Board of Supervisors. This project will construct a 0.15 mile floodwall and sloped embankment to protect adjacent businesses from flooding. The floodwall alignment (including embankment slope, factors of safety, and necessary roal octato) will be forelized during the project design phase. |
| 157 WLFL8 TUK-205 USACE GACO-SEGALE | Green | FCD Const | \$858,822 | \$15,732,418 | | · · · · · · | \$3,959,599 | | \$60,000 | \$11,000 | \$0 | | | | | Tukwila. US Army Corps led project to replace 3500 ft. of Tukwila 205 levee in-place replacement to bring up to 500-year level of protection per the adopted interim SWIF. The USACE will share remaining 2/3 of the cost; this allocation is the local share of 1/3 of total cost. Requires cooperation agreement. |

| | | | | 2019 Inception to | 2020 Inception to Date | 2020 Available | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 6-Year CIP | CIS | CIS | Project Life | |
|-----|--|--------------------------|--------------------|---|---|---|----------------------|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|-----------|----------|--|--|
| No. | Title | Basin | Type of project | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments |
| | | | | | í I | | | | | | | | | | | | Tukwila. Erosion and slumping of Tukwila Trail revetment caused by the |
| 159 | WLFL8 TUKWILA RVTMT 2019 REPAIR | Green | FCD Const | \$230,061 | \$500.000 | \$269.939 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$500,000 | recent Green River flood resulted in approximately 200 feet of damage to the revetment. |
| 158 | WLFL8 TURWILA RVTMT 2019 REPAIR | Green | FCD Const | \$230,061 | \$500,000 | \$269,939 | \$0 | \$U | \$U | \$U | \$U | \$U | \$U | | | \$500,000 | Seattle. This project will replace an aging and undersized creek culvert |
| 159 | WLFLS PUGET WAY CULVERT | Seattle | Agreement | \$1,095,048 | \$1,800,000 | \$704,952 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$1,800,000 | under Puget Way SW in Seattle. |
| | | | | | í I | | | | | | | | | | | | Seattle. The South Park Drainage Conveyance Improvements Project will |
| | | | | | 1 1 | | | | | | | | | | | | install a formal conveyance system in the streets, to get flows to the pump |
| 160 | WLFLS S PARK DRAINAGE IMPROVEMENTS | Seattle | Agreement | \$1.637.071 | \$10.075.000 | \$8,437,929 | \$0 | \$7.030.000 | \$0 | \$0 | \$0 | \$0 | \$7.030.000 | | | \$17 105 000 | station. The conveyance improvements will work in conjunction with the Pump Station. |
| 100 | | Ocatile | Agreement | ψ1,007,071 | \$10,075,000 | ψ0,407,525 | Ψ0 | \$7,000,000 | φυ | ψυ | ψυ | φυ | ψ1,000,000 | | | φ17,100,000 | |
| | | | | | 1 1 | | | | | | | | | | | | Seattle. Cost-share construction of pump station to reduce flooding in industrial area. Allocation of funds by year may be revised based on |
| | | | | | 1 1 | | | | | | | | | | | | updated project schedule. Implemented by the City of Seattle. Expenditure |
| 101 | | 0 | A | #4 707 000 | #0 505 000 | * 4 7 4 7 0 7 4 | * 0 | * 0 | * 0 | * 0 | * 0 | * 0 | * 0 | | | * 0 505 000 | forecast to be updated based on current project schedule. |
| - | WLFLS SOUTH PARK PUMPSTATION Green-Duwamish Subtotal | Seattle | Agreement | \$1,787,029 \$62,602,059 | \$6,505,000 \$155,063,470 | \$4,717,971 \$92,461,412 | \$0 \$59,947,747 | \$0 \$72,409,758 | \$0 \$52,621,386 | \$0 \$54,055,135 | \$0 \$18,498,894 | \$0 \$13,445,300 | \$0 \$270,978,220 | \$0 | \$0 | \$6,505,000 \$426,041,690 | |
| 163 | Sieen-Duwainish Subiotai | | | \$02,002,003 | ψ135,005, 4 70 | ψ <u>3</u> 2,401,412 | ψ 3 3,347,747 | ψ12,403,130 | ψ32,021,300 | ψ04,000,100 | \$10,490,094 | ψ13, 44 3,300 | ΨZ10,910,220 | φU | φ0 | φ 4 20,041,090 | |
| 164 | | | | | ļļ | | | | | | | | | | | | |
| | | | | | í – – – – – – – – – – – – – – – – – – – | | | | | | | | | | | | Enumclaw. Improve the drainage system to alleviate neighborhood |
| | WLFL9 212TH AVE SE @ SR 164 FLD IMPRVMNT | Green | Agreement | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$190,000 | \$0 | \$190,000 | | | | flooding. May require improvements outside of the road right-of-way. |
| 166 | WLFL9 212TH AVE SE MITIGATION | White | Agreement | | \$29,000 | \$29,000 | \$36,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$36,000 | | | \$65,000 | Enumclaw. TBD Enumclaw. Park is split by the White River; acquire undevelopable and |
| | | | | | 1 1 | | | | | | | | | | | | inaccessible southern portion of park in Pierce County from the City of |
| 167 | WLFL9 ANDERSON PARK ACQUISITION | White | FCD Acqu/Elev | \$0 | \$100,000 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$100,000 | Enumclaw. |
| | | | | | () | | | | | | | | | | | | Pacific. This project will reduce flood risks to residences and businesses in |
| | | | | | 1 | | | | | | | | | | | | the Cities of Pacific and Algona by addressing backwatering and drainage |
| | | | | | 1 1 | | | | | | | | | | | | problems in Government Canal from high river flows. The project will |
| | | | | | 1 1 | | | | | | | | | | | | design and permit a stormwater pump station which will significantly |
| | | | | | 1 1 | | | | | | | | | | | | reduce flood risks to approximately five hundred homes and businesses. |
| | | | | | 1 1 | | | | | | | | | | | | The completed project will also reduce long-term road closures that have occurred in the past due to flooding. |
| 168 | WLFL9 BUTTE AVE FLOOD MITIGATION | White | Agreement | \$226,633 | \$226,633 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$226,633 | |
| 100 | | VA/hite | Agroomont | \$0 | \$0 | \$0 | \$0 | ¢450.000 | ¢4 500 000 | \$0 | \$0 | \$0 | \$1,650,000 | | | ¢4 050 000 | Auburn. This project will analyze culvert replacement and road-raising |
| 169 | WLFL9 CHARLIE JONES DS CULVERT | White | Agreement | <u>۵</u> 0 | <u>۵</u> 0 | \$0 | \$U | \$150,000 | \$1,500,000 | \$U | \$U | Ф О | \$1,650,000 | | | \$1,650,000 | options and implement the preferred option. Auburn. This project will analyze culvert replacement and road-raising |
| 170 | WLFL9 CHARLIE JONES US CULVERT | White | Agreement | \$148,566 | \$590,000 | \$441,434 | \$157,666 | \$152,300 | \$0 | \$0 | \$0 | \$0 | \$309,966 | | | \$899,966 | options and implement the preferred option. |
| | | | J | , | | | | · · /· · · | | | | | | | | ****/*** | |
| | | | | | 1 1 | | | | | | | | | | | | Pacific. Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 |
| | | | 505.0 | * ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ | | A 4 4 9 9 9 9 | | \$ 0 | \$ 0 | \$ 2 | | * • | | | | * ~~ ~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | million content value) improves and impact storage and enhances habitat |
| 171 | WLFL9 COUNTYLINE TO A STREET | White | FCD Const | \$23,888,129 | \$24,004,419 | \$116,290 | (\$78,290) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$78,290) | | | \$23,926,129 | Pacific. Construct a new levee setback in the City of Pacific, extending |
| | | | | | 1 1 | | | | | | | | | | | | from BNSF railroad bridge embankment to endpoint at Butte Ave. by |
| 172 | WLFL9 RIGHT BANK LEVEE SETBACK | White | FCD Const | \$12,836,478 | \$14,540,389 | \$1,703,911 | \$867,200 | \$1,593,900 | \$6,534,900 | \$7,658,704 | \$136,900 | \$0 | \$16,791,604 | | | \$31,331,993 | White River Estates neighborhood. |
| | | | | | (| | . , | . , , | | . , , | | | . , , | | | . , , | Greenwater. In mid-2018 budget reallocation, funding was authorized to |
| | | | | | 1 1 | | | | | | | | | | | | acquire a vacant property located outside flood hazard area on the north |
| | | | | | 1 1 | | | | | | | | | | | | side of Highway 410. Subsequent site visits identified multiple unpermitted |
| | | | | | 1 1 | | | | | | | | | | | | structures and a well; additional funding necessary to complete demolition |
| 173 | WLFL9 SLIPPERY CREEK ACQ | White | FCD Acqu/Elev | \$115,563 | \$180,000 | \$64,437 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$180,000 | and asbestos abatement at a remote and inaccessible location. |
| 174 | WLFL9 STUCK R DR FLOOD PROTECTION | White | FCD Const | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,000,000 | \$1,000,000 | | | \$1,000,000 | Auburn. TBD |
| | | | | | 1 1 | | | | | | | | | | | | Auburn. Loss of facing rock along 130' of the lower half of the |
| | | | | | 1 1 | | | | | | | | | | | | embankment. Some of the gravel fill under the rock has eroded as well, leaving a near-vertical face supporting the rock remaining on the upper |
| | | | | | 1 1 | | | | | | | | | | | | slope. The rock that slid down is currently providing scour protection at the |
| 175 | WLFL9 STUCK R DR 2019 REPAIR | White | FCD Const | \$98,517 | \$646,374 | \$547,857 | (\$39.857) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$39.857) | | | \$606.517 | |
| 176 | White Subtotal | | | \$37,313,885 | \$40,316,815 | | \$942,719 | \$1,896,200 | \$8,034,900 | \$7,658,704 | \$326,900 | \$1,000,000 | \$19,859,423 | \$0 | \$0 | \$60,176,238 | |
| 177 | | | | | <u> </u> | | | | | | | | | | | | |
| 178 | | | | | └──── ′ | | | | | | | | | | | | |
| | | | | | 1 | | | | | | | | | | | | Focuses on mapped coastal flood hazard areas to increase resiliency to sea level rise in coastal flood hazard areas by restoring shorelines and |
| | | | | | 1 1 | | | | | | | | | | | | retrofitting or relocating infrastructure out of flood-prone areas to reduce |
| 179 | WLFLG COASTAL EROSION/FLOODING GRANTS | Countywide | Grant | \$0 | \$0 | \$0 | \$3,000,000 | \$3,044,347 | \$3,089,350 | \$3,135,018 | \$3,181,362 | \$3,228,390 | \$18,678,468 | | | \$18,678,468 | |
| | | | | | [| | | | | | | | | | | | Reduces flooding and improves fish passage and water quality by |
| | | | | | 1 1 | | | | | | | | | | | | replacing and/or removing culverts or other blockages to fish passage. |
| | | | | | 1 | | | | | | | | | | | | This program will focus on accelerating replacement or removal of culverts |
| 180 | WLFLG CULVERT & FISH PASSAGE GRANTS | Countywide | Grant | \$0 | \$0 | \$0 | \$3,000,000 | \$3,044,347 | \$3,089,350 | \$3,135,018 | \$3,181,362 | \$3,228,390 | \$18,678,468 | | | \$18 678 468 | that address both significant flood risks to critical infrastructure, and restore fish passage. |
| 100 | | Countywide | Giant | ψυ | υψ | ΨŪ | ΨC,000,000 | ψ0,0 11 ,0 1 7 | <i>\\</i> 0,000,000 | ψ0,100,010 | ψ0,101,002 | ₩0,220,000 | ψ10,010, 1 00 | | | ψ10,070, 4 00 | Competitive grant program for flood reduction projects. Increases as a |
| 181 | WLFLG FLOOD REDUCTION GRANTS | Countywide | Grant | \$11,789,184 | \$23,732,458 | \$11,943,274 | \$3,000,000 | \$3,044,347 | \$3,089,350 | \$3,135,018 | \$3,181,362 | \$3,228,390 | \$18,678,468 | | | \$42,410,926 | proportion of total FCD tax revenue. |
| | | | | | 1 | | | | | | | | | | | | Invests in urban flooding projects that reduce risks to people, property, |
| 182 | WLFLG URBAN STREAMS GRANTS | Countywide | Grant | \$0 | \$0 | \$0 | \$3,000,000 | \$3,044,347 | \$3,089,350 | \$3,135,018 | \$3,181,362 | \$3,228,390 | \$18,678,468 | | | \$18,678,468 | and public infrastructure. |
| | | | | | 1 | | | | | | | | | | | | Cooperative Watershed Management Grant Program; priorities |
| 183 | WLFLG WRIA GRANTS | Countywide | Grant | \$24,468,355 | \$41,924,292 | \$17,455,937 | \$9,762,382 | \$9,906,694 | \$10,053,139 | \$10,201,749 | \$10,352,556 | \$10,505,592 | \$60,782,110 | | | \$102,706,402 | recommended by watershed groups. Increase based on assumed inflation |
| 100 | | Soundywide | Ciuin | Ψ∠ 1,700,000 | ψ11,027,20Z | φ11, 100,001 | ψ0,1 02,00Z | <i>\\</i> 0,000,004 | φ10,000,100 | ψ10,201,7 1 3 | ψ10,002,000 | φ10,000,00Z | ₩00,702,110 | | | ψ102,100, 1 02 | Evaluation of capital projects to determine effectiveness and identify |
| 184 | WLFLM EFFECTIVENESS MONITORING | Countywide | FCD Const | \$3,052,862 | \$4,241,162 | \$1,188,300 | \$1,214,460 | \$1,142,650 | \$1,207,500 | \$1,039,750 | \$911,600 | \$894,650 | \$6,410,610 | | | \$10,651,772 | project design improvements. |
| | | | | | 1 | | | | | | | | | | | | Allocation to all King County jurisdictions for flooding, water quality, or |
| 405 | | Countration | 0 | ¢00 775 005 | PC4 400 000 | ¢00.000.070 | ¢E 074 000 | ¢E 004 470 | ¢E 000 000 | ¢c 000 700 | \$6.004.44F | ¢c 007 700 | \$20 04F 770 | | | COT 447 000 | watershed management projects. Increases as a proportion of total FCD |
| | WLFLO SUBREGNL OPPRTNTY FUND | Countywide | Grant FCD Const | \$38,775,925 \$819,564 | \$61,402,203 \$1,111,493 | . , , | \$5,974,680 \$0 | \$5,981,476 \$100,000 | \$5,993,630 \$100,000 | \$6,006,788 \$100,000 | \$6,021,445 \$100,000 | \$6,037,760 \$100,000 | \$36,015,779 \$500,000 | | | | tax revenue. Central charges related to the FCD's capital fund. |
| | | Countwide | | | | | 3U | 3100.000 | 3100.000 | @ IUU.UUU | @TUU.UUU | @TUU.UUU | .n; N/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U/U | | | 31.011.493 | TOUTING UTATUES TELATED TO THE FOD'S CADIAL MIN. |
| | WLFLX CENTRAL CHARGES WLFLX CONST MATERIALS STOCKPILE | Countywide Countywide | FCD Const | \$3,354 | t / / | \$496,646 | \$0 | | | \$0 | \$0 | \$0 | \$000,000 \$0 | | | | Stockpile role for future flood damage repairs. |

| | | | | 2019 Inception to | 2020 Inception to Date | 2020 Available | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 6-Year CIP | CIS | CIS | Project Life | |
|-----|--------------------------------|------------|-----------------|-------------------|---------------------------|----------------|---------------|---------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|-----------------|--|
| No. | Title | Basin | Type of project | Date Expenditure | Budget | Budget | Requested | Forecasted | Forecasted | Forecasted | Forecasted | Forecasted | Total | Year 7-10 | 10+ Year | Total | Comments |
| 188 | WLFLX FLOOD EMERGENCY CONTGNCY | Countywide | FCD Const | \$419,042 | \$1,419,042 | \$1,000,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,500,000 | | | \$2,919,042 | Contingency for emergency response actions during a flood event. |
| 189 | Countywide Subtotal | | | \$79,328,285 | \$134,330,650 | \$55,002,364 | \$29,201,522 | \$29,558,209 | \$29,961,670 | \$30,138,360 | \$30,361,047 | \$30,701,561 | \$179,922,369 | \$0 | \$0 | \$314,253,019 | |
| 190 | | | | | | | | | | | | | | | | | |
| 191 | Grand Total | | | \$284,616,410 | \$487,158,877 | \$202,542,468 | \$125,813,563 | \$138,464,424 | \$126,001,304 | \$128,262,203 | \$67,938,050 | \$77,085,509 | \$665,965,052 | \$121,250,000 | \$121,300,000 | \$1,395,673,929 | |