

## WORKING DRAFT - FCD 2022 Budget, 07/15/2021 Version

NOTE: The increase in total compensation in 2022 (salary + benefits) is 2.5%, or approximately \$256,000 for WLR staff, per the adopted King County budget for 2021-2022.

| FCD Work Category                              | Adopted 2021<br>FCD Budget | PROPOSED 2022<br>FCD Budget | Difference | Program Description   |   |
|--|----------------------------|-----------------------------|------------|---|---|
| 1 Annual<br>Maintenance                        | 2,370,715                  | 2,533,518                   | 162,804    | Maintenance activities to properly operate and maintain the District's investments, including levees, revetments, properties, and pump stations, as well as large wood hazard investigations in support of the King County Sheriff. Facility inspections and assessments may lead to proposed repairs in the capital program. Inspections and assessments also help to increase the potential for federal funding assistance for future flood damages. This includes implementation of routine flood facility inspection and maintenance for approximately 500 levees and and revetments along 119 miles of river so that minor maintenance needs do not become larger scale repair problems. The program also includes property inspections and maintenance for the approximately 800 acres of publicly owned floodplain property (managed as 200 separate sites), a responsibility that grows each year as property is acquired to reduce flood risks and/or support capital project construction. Maintenance actions to identify and resolve problems that might pose a risk to the community such as attractive nuisances (a hazardous object or condition that poses a risk), illegal dumping, noxious weeds, and public health risks. This category includes maintenance, facility assessment and monitoring, facility maintenance and repair, management of sediment and large wood, and monitoring of flood protection assets. The largest expenditures in this category are (1) operation and maintenance of the Green River Pump Stations (2) maintenance crew time and (3) inspections of levees, revetments, and property on a 2-year cycle. |   |
| 2 Flood Hazards<br>Plan, Grants,<br>Outreach   | 512,619                    | 575,653                     | 63,034     | Programmatic elements of floodplain management include many approaches to understand and communicate risk so that all floodplain residents and users<br>can prepare and protect themselves from flooding and related riverine hazards. Other programmatic elements include organizational performance<br>measurement. This category includes funding for the Flood Hazard Management Plan Update, and coordinating compliance with FEMA's Community Rating<br>System. Flood Hazard Management Plan Update costs will be covered by \$275,000 carryover previously authorized by the FCD and \$250,000 authorized by<br>King County in the current biennium. Also included is the planning, outreach and grant submittals associated with repetitive loss mitigation projects, while the<br>actual buyouts and elevations are funded via the capital program. All of this work is only conducted with prior authorization from the Flood Control District.<br>Public outreach associated with specific capital projects is funded through the capital program.   |   |
| 3 Flood Hazard<br>Studies, Maps, Tech<br>Svcs  | 2,261,256                  | 5,065,964                   | 2,804,708  | Generate technical information used to characterize, quantify, and delineate flood risks, as well as to develop and implement strategies and actions to reduce those risks. Flood hazard technical information types include hydrologic and hydraulic studies, floodplain and channel migration zone (CMZ) maps, geologic studies, geographic information system (GIS) land use data, dam operations studies, risk assessments and flood hazard management corridor working maps These technical assessments are used to inform the capital project feasibility, prioritization, and design process funded by the capital program. The base budget includes funding for LiDAR and post-flood channel evaluations that will not occur unless there are high flow events.   | ľ |
| 4 Flood Prep, Flood<br>Warning Center          | 1,032,536                  | 1,048,487                   |            | Implement a comprehensive approach to preparing and educating the community for flood events, coordinating emergency response and regional flood warning center operations during flood events, and ensuring consistency across basins for post-flood recovery actions. Post-flood damage assessments may result in capital projects to repair damaged facilities. Flood and post- flood activities are tracked with a unique project number so that expenditures may be submitted for any federal assistance that becomes available following a federal disaster declaration. Base budget includes annual flood preparedness campaign, sandbag supplies for distribution centers in each basin, the King County Flood Alert system, King County Sheriff's Office staff for flood emergency respone and cost-share with U.S. Geological Survey for operations and maintenance of real-time river gauges around King County.   |   |
| 5 Program Mgmt,<br>Supervision, Fin,<br>Budget | 1,913,982                  | 1,971,187                   | 57,205     | Provide supervisory, financial management, contract administration, capital program oversight, and administrative services for the River and Floodplain<br>Management Section to implement the District's work program. Financial management tasks include forecasting, budget development, accounting, and<br>financial and peformance audits from the State of Washington, Flood Control District, King County Council, state and federal grantors, as well as quarterly<br>internal audits by King County Procurement. This category also include contract development and administration for work order contracts, individual work<br>orders are budgeted and accounted for under other work categories or under a specific capital project.  |   |
| 6 Program<br>Implementation                    | 1,826,273                  | 1,921,599                   | 95,326     | Implement flood hazard management programs and coordinate capital improvement projects for the District. This work category includes river basin team as well as the countywide capital strike team, responsible for identifying, implementing, and tracking flood risk reduction program and project actions within a given basin. This work category includes coordination with other flood risk reduction partners through the Basin Technical Committees, and similar multi-stakeholder efforts to manage risk and coordinate efforts in each river basin. This category also includes coordination meetings at the Section, team, and individual supervisory level, coordination with the District, as well as trainings for River and Floodplain Management Section staff. Time spent on capital projects is reimbursed from the capital project fund.  |   |

| Changes f | from Add | opted 202 | 1 FCD | Budget |
|-----------|----------|-----------|-------|--------|

Minor adjustments from 2021 budget due to adjustments to BRPS utility and maintenance parts and supplies costs, as well as adjusted labor costs for 2022.

No significant change. Increase is largely to due to salary costs for existing staff, and minor adjustments to assumptions about how staff time is allocated between Category 2 and Category 4.

As part of the District's effort to "right-size" annual budgets and reduce carryover, the 2022 budget includes budget continuations for multiyear technical studies. This is a new practice of requesting budgets in the year the expenditure will occur, instead of carrying over unused budget authority. Budget continuations total \$2.8M and include \$1.65M for the levee breach study, \$1M for the Issaquah Creek Flood Study, \$110k for the South Fork Skykomish Flood Study, and \$130k for climate change analysis by the University of Washington for the Cedar and White Rivers. The budget also includes funding to continue the channel and sediment monitoring program (\$586k). Budget adjustments proposed for 2022 are an increase of \$850k to reflect updated costs for the levee breach study, \$75k for additional survey work on the previously authorized small streams flood study. New items proposed in 2022 are \$75k for the Snoqualmie valley gaging study and \$100,000 to revise FEMA flood maps to reflect capital projects that modify flood elevations.

Includes \$60,000 for a consultant to reframe the annual flood awareness campaign with an emphasis on ensuring we are effectively communicating flood risk, flood preparedness and flood recovery messages and tools to marginalized communities and those most impacted by flooding across King County.. Also reflects minor adjustments to assumptions about how staff time is allocated between Category 2 and Category 4.

No significant change, increase is largely to due to salary costs for existing staff.

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| Grand Total                   | 13,171,717 | 16,313,808 | 3,142,091 |  |  |
|-------------------------------|------------|------------|-----------|--|--|
| 7 Overhead / Central<br>Costs | 3,254,337  | 3,197,399  |           | as well as FTE-based charges for building rent and utilities. When staff loan out from the operating fund to the capital fund, the capital fund reimburses the operating fund for FTE-related overhead charges. Per the Inter-Local Agreement between the District and King County, "administrative overhead costs shall be determined in accordance with the Overhead Cost Allocation Policy adopted as part of the County's Comprehensive Financial Management Policies, as currently in effect and as amended, and with the overhead costs in the adopted County budget." |  |
|                               |            |            |           | This category includes use-based and FTE-based overhead costs from the Water and Land Resources Division of the Department of Natural Resources and<br>Parks and King County. Examples include use-based charges for the Prosecuting Attorney's Office, risk management, and the financial management system   |  |

Adjustments to align overhead costs with Council-adopted overhead rates for 2021-2022 biennium.

| King County Flood Control District                      |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 |  |                                      |
|---|-------------|----------------|---------------------------------------|------------------|--------------------------|-------------------|-----------------|-----------------|--|-----------------|-----------------|---------------------------|------------------|-----------------|--|--------------------------------------|
| 2022 - 2027 Six-Year CIP Project Alloca<br>Attachment H | ntions      |                |                                       |                  |                          |                   |                 |                 | Capital Investment<br>Grant/External Rev<br>Cost Share Contrib | venue Awarded   |                 |                           |                  |                 |  |                                      |
| 8/3/2021  |             |                |                                       |                  |                          |                   |                 |                 | Added in 2021  |                 |                 |                           |                  |                 |  |                                      |
|   |             |                |                                       | 2021             |                          |                   |                 |                 | Proposed New Add   | d in 2022       |                 |                           |                  |                 |  |                                      |
| No. Title   | Basin       | Type of projec | 2020 Inception to<br>Date Expenditure |                  | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted  | 2026 Forecasted | 2027 Forecasted | 6-Year CIP<br>Total       | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total Comments   |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | Baring. This project will elevate or buyout individual structure:<br>Fork Skykomish Basin to eliminate the risk of flooding or eros  |                                      |
| 1 WLFL0 SF SKYKMSH REP LOSS MIT                         | SF Skykomis | h FCD Acqu/Ele | v \$2,879,041                         | \$4,129,041      | \$1,250,000              | \$800,000         | \$800,000       | \$800,000       | \$800,000  | \$800,000       | \$800,000       | \$4,800,000               |                  |                 | \$8,929,041 during future flood events. Assumes one home per year.<br>Skykomish. Approximately 50-foot-long section of missing an  | •                                    |
| 2 WLFL0 SKYKOMISH LB DOWN 2016 REPAIR                   | SF Skykomis | h FCD Const    | \$85,402                              | \$150,000        | \$64,599                 | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | immediately downstream of the bridge. Further flooding may<br>\$150,000 or severely damage facility.   |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | Skykomish. This project will continue to acquire and remove stretch of the Skykomish River that are endangered by erosiv   | ve forces as                         |
| 3 WLFL0 TIMBER LN EROSN BUYOUTS                         | SF Skykomis | h FCD Acqu/Ele | v \$1,972,095                         | \$2,472,095      | \$500,000                | \$340,000         | \$800,000       | \$800,000       | \$800,000  | \$800,000       | \$800,000       | \$4,340,000               |                  |                 | \$6,812,095 well as inundation in some places.Assumes one home per ye<br>Skykomish. Project will lay back the privately-built rockery to   |                                      |
| 4 WLFL0 TIMBERLANE 2016 REPAIR                          | SF Skykomis | h FCD Const    | \$13,131                              | \$16,040         | \$2,909                  | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$16,040 rock wall into stable revetment geometry.<br>Skykomish. Revetment is approximately 300 LF along left ba   |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | Fork Skykomish River. Unstable section of vertical stacked r<br>approximately 150 LF. Failure has occurred previously in this  | rock is                              |
| 5 WLFL0 TIMBERLANE 2019 REPAIR                          | SF Skykomis | h FCD Const    | \$304,972                             | \$700,924        | \$395,952                | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$700,924 revetment.<br>North Bend. Reduce neighborhood isolation from flooding. De  | evelop a set of                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | alternatives for improvements to 428th Avenue SE, SE 92nd<br>Reinig Road to reduce the frequency of community isolation of   |                                      |
| 6 WLFL1 428TH AVE SE BR FEASIBILITY                     | Upper Snoq  | FCD Const      | \$309,756                             | \$309,756        | \$0                      | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$309,756 floodwaters overtopping these roadways.  |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | North Bend. Cost-share of \$8.4M levee setback project. The<br>at a 20-year or greater flood, inundating undeveloped propert<br>and roadways. Project would reconnect 25 acres of floodplair | ty, railway lines<br>n and construct |
| 7 WLFL1 BENDIGO UPR SETBACK NORTH BEND                  | Upper Snog  | Agreement      | \$124                                 | \$50.000         | \$49.876                 | \$0               | \$0             | \$0             | \$0  | \$0             | \$4,200,000     | \$4,200,000               |                  |                 | a new levee that meets current engineering guidelines. City h<br>\$4.250.000 grant application for the remaining \$4.2 million.  | as submitted                         |
|   |             | , igi oomoni   | <b>VI</b> 21                          | \$00,000         | φ10,010                  | φ0                | φ0              | ţ,              |  | ψ0              | ψ1,200,000      | <u><u></u> </u>           |                  |                 | North Bend. This project will determine a preferred action to r<br>term risks from channel migration in the Circle River Ranch N   |                                      |
| 8 WLFL1 CIRCLE RVR RANCH RISK RED                       | Upper Snog  | FCD Const      | \$766,017                             | \$993,617        | \$227,600                | \$196,305         | \$193,500       | \$145,695       | \$3,023,030  | \$0             | \$0             | \$3,558,530               |                  |                 | on the South Fork Snoqualmie River. Being conducted conce<br>\$4,552,147 South Fork Snoqualmie Corridor Plan.  |                                      |
|   |             |                | \$700,017                             | \$1.468.000      |                          | \$190,505         | \$193,300       |                 | \$0  | \$0<br>\$0      | \$0<br>\$0      | <u>\$3,338,330</u><br>\$0 |                  |                 | City of Snoqualmie. Elevate several flood-prone homes in the   | areas around                         |
| 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 Walnut St and Northern St.<br>North Bend. New project. Provide 20% local match to repair   |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | downstream end of the Mason Thorson Ells levee under the U<br>of Engineers (USACE) PL 84-99 Levee Rehabilitation and Ins<br>Program (RIP). The downstream 60-feet of the levee was da        | spection                             |
|   |             | 505.0 1        |                                       |                  |                          | \$405 000         | <b>\$</b> 0     |                 |  |                 |                 | \$405 000                 |                  |                 | the February 2020 flood event and the proposed project will r  |                                      |
| 10 WLFL1 MASON THORSON ELLS 2022 REPAIR                 | Lower Snoq  | FCD Const      |                                       |                  | \$0                      | \$105,000         | \$0             | \$0             | \$0  | \$0             | \$0             | \$105,000                 |                  |                 | \$105,000 damage and reduce future erosion risk to the facility.<br>North Bend. Overflow channels originating from the Middle Fo   |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | River flow through neighborhoods and cross roads creating ri<br>and infrastructure. Potential solutions include channel modific  |                                      |
| 11 WLFL1 MF FLOOD CONVEYANCE N BEND                     | Upper Snoq  | Agreement      |                                       | \$150,000        | \$150,000                | \$150,000         | \$1,500,000     | \$0             | \$0  | \$0             | \$0             | \$1,650,000               |                  |                 | enhancements, and culvert improvements. \$1,800,000  |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | North Bend. Work with willing sellers to acquire eighteen hom<br>channel migration along the Middle Fork (Project C in the Cap   |                                      |
| 12 WLFL1 MF RESIDENTIAL FLD MTGTN                       | Upper Snoq  | FCD Acqu/Ele   |                                       |                  | \$400,000                | \$2,887,769       | \$2,887,769     | \$1,830,000     | \$2,265,000  | \$2,265,000     | \$0             | \$12,135,538              |                  |                 | \$12,540,000 Investment Strategy)<br>\$14,852,407 North Bend. Middle Fork Snoqualmie Corridor Planning, com  | pleted in 2020                       |
| 13 WLFL1 MF SNO CORRIDOR PLAN                           | Upper Snoq  | FCD Const      | \$1,705,594                           | \$1,852,497      | \$146,903                | \$0               | \$0             |                 | \$0  | \$0             | \$0             | \$0                       |                  |                 | North Bend. Upgrade the Middle Fork Snoqualmie levees to   | -                                    |
| 14 WLFL1 MF SNO PL84-99                                 | Upper Snoq  | FCD Const      |                                       | \$0              | \$0                      | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$0 Army Corps of Engineers PL84-99 certification standards.<br>North Bend. Replace two existing rusted out 48" corrugated r   | netal pipes on                       |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | Norman Creek under 428th Ave SE with a new precast concr<br>culvert. The new culvert will reduce the time it takes to drain t  |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | waters off of private property by increasing the capacity of the<br>Currently when the North Fork Snoqualmie River overflows w   | ⇒ crossing.<br>/ater backs up        |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | against 428th and impedes use of the roadway as the Norma<br>crossing is the normal outflow for this flood water once the No   | an Creek                             |
| 15 WLFL1 NORMAN CREEK DS CULV                           | Upper Snoq  | Agreement      | \$722,080                             | \$724,000        | \$1,920                  | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$724,000 overtopped the adjacent levees.<br>North Bend. Improve SE 92nd Street, east of 428th Street, a   |                                      |
| 16 WLFL1 NORMAN CREEK US 2024 CULV                      | Upper Snoq  | Agreement      |                                       | \$0              | \$0                      | \$0               | \$350,000       | \$750,000       | \$0  | \$0             | \$0             | \$1,100,000               |                  |                 | \$1,100,000 roadway flooding by installing a new box culvert.  |                                      |
|   |             | A              | 000 554                               | <b>\$404 500</b> | <b>*</b> 400,000         | <b>^</b>          | <b>\$</b> 0     |                 |  | <b>^</b>        |                 | \$0                       |                  |                 | North Bend. Initiate feasibility study to mitigate the risk of sco<br>the North Fork Bridge by retrofitting the existing structure with  |                                      |
| 17 WLFL1 NORTH FORK BRIDGE FEASIBILITY                  | Upper Snoq  | Agreement      | \$32,554                              | \$464,583        | \$432,030                | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$464,583 foundations or alternative risk mitigation strategies.<br>Snoqualmie. Repair downstream 200 lineal feet of facility whi  |                                      |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | face rock and toe rock. A significant scour hole has formed a<br>Snoqualmie stormwater outfall pipe at the downstream end o  | of facility.                         |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | Potential erosion impact to Park Ave SE in City of Snoqualmi<br>included in the City's planned "Riverwalk" park and trail project  | ct. Project                          |
| 18 WLFL1 RECORD OFFICE 2016 REPAIR                      | Upper Snoq  | Agreement      | \$331,407                             | \$3,883,278      | \$3,551,871              | \$0               | \$0             | \$0             | \$0  | \$0             | \$0             | \$0                       |                  |                 | \$3,883,278 source implemented by City of Snoqualmie as part of Riverwalk proj   | ect,                                 |
|   |             |                |                                       |                  |                          |                   |                 |                 |  |                 |                 |                           |                  |                 | North Bend. Conduct a feasibility study to determine ways of<br>overtopping of the Reif Rd Levee. Potential solutions include:   |                                      |
| 19 WLFL1 REIF RD LEVEE IMPROVEMENTS                     | Upper Snoq  | FCD Const      |                                       | \$0              | \$0                      | \$0               | \$265,438       | \$318,421       | \$385,937  | \$457,218       | \$0             | \$1,427,014               |                  |                 | \$1,427,014 raise levee in place / setback levee / gravel removal / home e   |                                      |
|   |             |                |                                       |                  | · · ·                    |                   |                 |                 |  |                 |                 |                           |                  |                 | · · · · ·  |                                      |

|   |            |                 |                                       | 2021                        |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                         |  |
|---|------------|-----------------|---------------------------------------|-----------------------------|--------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|------------------|-----------------|-------------------------|--|
| No. Title                                       | Basin      | Type of project | 2020 Inception to<br>Date Expenditure | Inception to Date<br>Budget | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 2027 Forecasted | 6-Year CIP<br>Total | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total   | Comments   |
| 20 WLFL1 REINIG RD ELEVATION                    | Upper Snoq | Agreement       | \$394                                 | \$394                       | \$0                      | \$0               | \$0             | \$50,000        | \$100,000       | \$0             | \$0             | \$150,000           |                  |                 | \$150,394               | Snoqualmie. Elevate low section of Reinig Rd to alleviate flooding that blocks roadway.  |
| 21 WLFL1 REINIG RD RVTMNT 2016 REPAIR           | Upper Snoq | FCD Const       | \$1,259,015                           | \$5,730,915                 | \$4,471,900              | \$655,000         | \$20,000        | \$0             | \$0             | \$0             | \$0             | \$675,000           |                  |                 |                         | North Bend. Repair three primary damage sites just upstream and directly across from the South Fork Snoqualmie confluence totaling ~285 lineal feet. Construction is anticipated in 2021.  |
|   |            |                 | ψ1,200,010                            | φ0,700,010                  | ψτ,τ71,300               |                   | ψ20,000         |                 | ψ0              | ψŪ              | ÷0              | \$075,000           |                  |                 | φ0, <del>1</del> 00,010 | North Bend. Address flooding from Ribary Creek at Bendigo Blvd in North<br>Bend as the Snoqualmie levees prevent drainage to the river during high   |
| 22 WLFL1 RIBARY CREEK N BEND                    | Upper Snoq | Agreement       | \$9,885                               | \$636,492                   | \$626,607                | \$316,168         | \$1,170,761     | \$4,998,233     | \$0             | \$0             | \$0             | \$6,485,161         |                  |                 | \$7,121,653             | flows.   |
| 23 WLFL1 SF CIS LONG TERM                       | Upper Snoq | FCD Const       |                                       |                             | \$0                      | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  | \$57,100,000    | \$57,100,000            | North Bend. Implement projects identified in the Capital Investment<br>Strategy, approved as policy direction by the Executive Committee.  |
| 24 WLFL1 SF CIS MED TERM                        | Upper Snoq | FCD Const       |                                       |                             | \$0                      | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 | \$47,200,000     |                 | \$47,200,000            | North Bend. Implement projects identified in the Capital Investment<br>Strategy, approved as policy direction by the Executive Committee.<br>North Bend. Six levee deficiencies have been identified in this leveed  |
| 25 WLFL1 SF SNO LEVEE REMEDIATION               | Upper Snoq | FCD Const       | \$209,704                             | \$209,704                   | \$0                      | \$5,022           | \$0             | \$0             | \$0             | \$0             | \$0             | \$5,022             |                  |                 | ¢014 706                | segment. The project will design and reconstruct the impaired segment of levee in place.   |
|   |            | T CD Collst     | \$209,704                             | φ209,704                    | φυ                       | φ5,022            | φU              | φυ              |                 | φυ              | φ0              | \$5,022             |                  |                 | φ2 14,720               | North Bend. Total breach of levee - erosion and lateral channel migration is   |
| 26 WLFL1 SHAKE MILL LB 2016 REPAIR              | Upper Snoq | FCD Const       | \$2,918,260                           | \$3,139,161                 | \$220.901                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$3.139.161             | ongoing. No immediately adjacent private property or infrastructure.   |
| 27 WLFL1 SHAKE MILL RB 2016 REPAIR              | Upper Snoq | FCD Const       | \$2,918,280                           | \$667,229                   | \$220,901                | \$0<br>\$5,000    | \$0             | \$0             | \$0             | \$0             |                 |                     |                  |                 |                         | 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).   |
| 28 WLFL1 SI VIEW RM4 2017 REPAIR                | Upper Snoq | FCD Const       | \$296,181                             | \$396,754                   | \$100,573                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$396,754               | 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 flooding.   |
| 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. Placeholder funding to partner with WSDOT to expand bridge<br>SR202 opening over South Fork Snoqualmie River and Ribary Creek to<br>improve conveyance and reduce upstream flood impacts. Supported by<br>North Bend. Requires state or federal funding. Relative contribution of this<br>project is being evaluated in the SF Snoqualmie Corridor Plan.   |
| 30 WLFL1 TATE CR SCOUR FEASIBILITY              | Upper Snoq | Agreement       |                                       | \$0                         | \$0                      | \$0               | \$150,000       | \$0             | \$0             | \$0             | \$0             | \$150,000           |                  |                 | \$150,000               | 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 due to the transport of sediments and water overtops the approaches during floods.   |
| 31 WLFL1 UPR SNO RES FLD MITIGTN                |            | FCD Acqu/Elev   | v \$12,196,349                        | \$13,306,349                |                          | \$3,714,000       | \$1,957,361     | \$2,016,081     | \$2,076,564     | \$2,138,861     | \$2,203,026     |                     |                  |                 |                         | Snoqualmie. This project will continue to acquire or elevate flood-prone<br>structures in the Upper Snoqualmie basin to reduce the risk of flood,<br>erosion, and channel migration damage. Partnership with City of<br>Snoqualmie to elevate homes and cost-share acquisition of homes where<br>City is planning to construct the Riverwalk project.<br>North Bend. Ensure eleven South Fork Snoqualmie River levees meet the<br>standards of the US Army Corps of Engineers PL 84-99 program in order to |
| 32 WLFL1 USACE PL 84-99 UPPER SNO               | Upper Snoq | FCD Const       | \$90,071                              | \$285,136                   | \$195,065                | \$378,458         | \$0             | \$0             | \$0             | \$0             | \$0             | \$378,458           |                  |                 | \$663,594               |  |
| 33 WLFL2 264TH AVE NE AT SR 202 FLD IMPRVMNT    | Lower Snoq | Agreement       |                                       | \$0                         | \$0                      | \$0               | \$0             | \$0             | \$540,000       | \$0             | \$0             | \$540.000           |                  |                 | \$540.000               | Redmond. Alleviate flooding on this sole access road by replacing the existing culverts and raising the roadway to elminate over-topping during flood events.  |
| 34 WLFL2 334TH AVE SE & SE 43RD PL FLD IMPRVMNT |            | Agreement       |                                       | \$0                         | \$0                      | \$0               | \$0             | \$0             | \$500,000       | \$0             | \$0             | \$500,000           |                  |                 |                         | Fall City. Improve drainage to alleviate neighborhood flooding by<br>constructing a drainage system to flow to the Snoqualmie River.   |
| 35 WLFL2 DUTCHMAN RD REPAIR                     | Lower Snoq | FCD Const       | \$62,471                              | \$474,401                   | \$411,930                | \$484,752         | \$1,479,035     |                 | \$19,000        | \$0             |                 |                     |                  |                 |                         | Duvall. Repair approximately 200 feet of revetment. Dutchman Road in this<br>location provides the sole access to residences and business on the west<br>side of the Snoqualmie Valley downstream of Duvall. Continued erosion of<br>the revetment could result in erosion of the road (West Snoqualmie Valley<br>Road NE) which would severely limit access to the downstream property<br>owners during or following a flood event.   |
|   |            |                 |                                       |                             |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                         | Duvall. These two bridges are subject to having the roadway approach fill<br>wash out during a flood. Excavate approaches and rebuild approaches to<br>prevent loosing approaches during flooding. A similar repair was done on  |
| 36 WLFL2 DUVALL SLOUGH 2017 IMPRV               | Lower Snoq | Agreement       | \$277,937                             | \$277,937                   | \$0                      | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$277,937               | Woodinville-Duvall Bridge No. 1136D.<br>Fall City. Project will reconnect floodplain, removing the aging Hafner and<br>Barfuse facilities and replacing with modern flood and erosion protection<br>features. FCD cost-share funding is intended for design of flood risk  |
| 37 WLFL2 FALL CITY FLOODPLAIN RESTORATION       | Lower Snoq | Agreement       |                                       | \$300,000                   | \$300,000                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$300,000               | reduction features.<br>Carnation. This project provides technical and cost-sharing assistance to   |
| 38 WLFL2 FARM FLOOD TSK FORCE IMP               | Lower Snoq | FCD Acqu/Elev   | \$838,251                             | \$979,803                   | \$141,552                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$979,803               | agricultural landowners in the Lower Snoqualmie floodplain to help them<br>better withstand the impacts of flooding. Specific project actions include<br>farm pads and elevation or flood proofing of agricultural structures.   |
| WLFL2 FISH HATCHERY RD BR #61B REPAIR 39        | Lower Snoq | Agreement       | \$43,801                              | \$514,000                   | \$470,199                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$514,000               | Duvall. Strengthen the bridge structure to stabilize it after the most recent flood event, rebuild the east approach roadway to address the current 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 scour.   |
| 40 WLFL2 JOY 2020 REPAIR                        | Lower Snoq | FCD Const       | \$35,882                              | \$600,000                   | \$564,118                | \$500,000         | \$2,620,000     | \$0             | \$0             | \$0             | \$0             | \$3,120,000         |                  |                 | \$3,720,000             | Duvall. Design and repair approximately 800 linear feet of bank erosion<br>along the Joy Revetment on the left bank of the Snoqualmie River across<br>from the City of Duvall. Bank erosion is undermining an existing road.   |

| No. Title  | Basin      | Type of project            | 2020 Inception to<br>Date Expenditure |                            | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 2027 Forecasted | 6-Year CIP<br>Total | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total | Comments   |
|--|------------|----------------------------|---------------------------------------|----------------------------|--------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|------------------|-----------------|-----------------------|--|
|  |            | A                          | AL 074 000                            | <b>AD 000 000</b>          | \$4.405.707              |                   |                 |                 |                 |                 |                 |                     |                  |                 | #0.000.000            | Fall City. The river is scouring the road away and David Powell Road is<br>collapsing into the river. This project repaired an existing failing revetment<br>and extend MSE wall to prevent undercutting of the riverbank and roadway.   |
| 41 WLFL2 L SNO 2019 BANK REPAIR<br>42 WLFL2 L SNO REP LOSS MITGTION        | Lower Snoq | Agreement<br>FCD Acqu/Elev | \$1,074,203                           | \$2,200,000<br>\$1,279,468 | \$1,125,797<br>\$0       | \$0<br>\$0        | \$0<br>\$0      |                 | \$0<br>\$0      | \$0<br>\$0      |                 | \$0<br>\$0          |                  |                 |                       | Completed in September 2020.<br>Carnation. Funding as possible local match for FEMA grants to elevate or<br>acquire at-risk structures.  |
|  |            |                            |                                       |                            |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       | Fall City. The foundation of the main-span pier is exposed and is vulnerable<br>to destabilization during a flood. Add scour mitigation measures to protect<br>footing. Bridge crosses the Snoqualmie River at Duvall and is the city's  |
| 43 WLFL2 L SNO SCOUR REPAIR 2017   | Lower Snoq | Agreement                  | \$142,411                             | \$142,411                  | \$0                      | \$0               | \$0             |                 | \$0             | \$0             |                 | \$0                 |                  |                 |                       | primary route.<br>Fall City. Cost-shared contribution to multiple levee setbacks and high<br>priority flood risk reduction acquisitions in the Fall City reach of the Lower<br>Snoqualmie. Projects reduce flood and erosion risk to revetments, roads,<br>and landowners. FCD expenditure leverages habitat restoration funding   |
| 44 WLFL2 L SNO/ALDAIR CORRDOR PLN  | Lower Snoq | FCD Const                  | \$7,027,058                           | \$7,089,214                | \$62,156                 | \$0               | \$0             |                 |                 | \$0             |                 | \$0                 |                  |                 |                       | from other sources.<br>Carnation. This project provides technical and cost-sharing assistance to<br>residential and agricultural landowners in the Lower Snoqualmie floodplain<br>to help them better withstand the impacts of flooding. Specific project<br>actions include farm pads, elevations of homes, and elevation or flood  |
| 45 WLFL2 LWR SNO RESDL FLD MITGTN<br>46 WLFL2 MUD CREEK SEDIMENT FACILITY  | Lower Snoq | FCD Acqu/Elev<br>FCD Const | \$2,256,127                           | \$3,316,472<br>\$432,000   | \$1,060,345<br>\$432,000 | \$59,655          | \$1,000,000     | \$500,000       | \$500,000       | \$500,000       |                 | \$3,059,655         |                  |                 |                       | proofing of agricultural structures.<br>Snoqualmie. Design and permit a sediment facility to minimize sediment<br>deposition, flooding, and channel avulsions at this site.  |
| 47 WLFL2 SE 19TH WAY REVETMENT   | Lower Snoq | FCD Const                  | \$1.838.512                           | \$1,916,294                | \$77,782                 | \$0               | \$0             |                 | \$0             | \$0             |                 | \$0                 |                  |                 |                       | Fall City. Rebuild revetment to protect road access to high value agricultural operations and lands. Construction is complete.   |
|  |            |                            | ¥1,000,012                            |                            |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       | Duvall. Regional flooding in the Snoqualmie Valley cuts off access to<br>eastern cities. Determine which major roadway(s) that cross the<br>Snoqualmie Valley would be the most cost effective to improve in the valley  |
| 48 WLFL2 SNOQUALMIE VALLEY FEAS  | Lower Snoq | Agreement                  | ¢40.500                               | \$250,000                  | \$250,000                | \$151,000         | \$99,000        |                 |                 | \$0<br>\$0      |                 | \$250,000           |                  |                 |                       | with chronic flood issues impacting over 25,000 daily drivers.<br>Carnation. Placeholder costs for long-term facility improvement project to   |
| 49 WLFL2 STOSSEL LONG TERM REPAIR  | Lower Snoq | FCD Const                  | \$16,598                              | \$450,000                  | \$433,402                | \$86,598          | \$2,968,000     | \$12,000        | \$0             | \$0             | \$0             | \$3,066,598         |                  |                 | \$3,516,598           | Prevent erosion undermining 310th Ave NE.<br>Carnation. This completed project repaired approximately 250 feet of<br>damage identified in late March 2018 to a section of the Stossel Bridge<br>Right Bank Revetment on the Snoqualmie River, downstream of the City of  |
| 50 WLFL2 STOSSEL RB 2018 REPAIR<br>51 WLFL2 TOLT PIPELINE PROTECTION       | Lower Snoq | FCD Const                  | \$1,023,994                           | \$1,107,886                | \$83,892<br>\$84,067     | \$0               | \$0             |                 |                 | \$0             |                 | \$0                 |                  |                 | \$1,107,886           | Carnation. This project repaired 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   |
| 52 WLFL3 FREW LEVEE 2016 REPAIR  | Tolt       | FCD Const                  | \$168,880                             | \$360.360                  | \$191,480                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 |                       | Carnation. Face rock displaced along approximately 50 feet of levee face.<br>Some core material appears to have been lost, resulting in an over<br>steepened bank relative to upstream and downstream undamaged levee<br>sections. Top of damaged face approximately 6 feet from edge of gravel<br>trail. Continued erosion will cut off popular riverside trail. Potential impact to<br>bishum: if facility here the appeared face. |
| 53 WLFL3 GIRL SCOUT LEVEE 2016 REPAIR                                      | Tolt       | FCD Const                  | \$166,079                             | \$166,079                  | \$0                      | \$0               | \$0             |                 |                 | \$0             |                 | \$0                 |                  |                 |                       | 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.   |
|  |            |                            |                                       |                            |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       | Carnation. Facility failure has consequences for property owners<br>immediately landward of facility. Potential for high flows and erosive   |
| 54 WLFL3 HOLBERG 2019 REPAIR   | Tolt       | FCD Const                  | \$285.819                             | \$50,000<br>\$412.149      | \$50,000<br>\$126,330    | \$200,000         | \$250,000       |                 | \$0             | \$0             |                 | \$450,000           |                  |                 |                       | damage to residences and property.<br>Carnation. Feasibility study to determine the nature and extent of levee<br>improvements necessary to remove four homes in unincorporated King<br>County from the regulatory Channel Migration Zone as mapped in the Tolt<br>River Channel Migration study   |
|  |            |                            | φ200,013                              | ψτ 12, 143                 | φ120,000                 | φ0                |                 |                 |                 |                 |                 | φ0                  |                  |                 | ψτ12, 143             | Carnation. Capital Investment Strategy. Design, based on level of service<br>analysis, the highest priority levee setback for flood risk reduction. Phase 2  |
| 56 WLFL3 LOWER FREW LEVEE SETBACK  | Tolt       | FCD Const                  | \$221,096                             | \$1,015,777                | \$794,681                | \$105,319         | \$750,000       |                 |                 | \$50,000        |                 |                     |                  |                 |                       | construction estimated in CIS at \$14.5M-\$16.7M<br>Carnation. Acquire high-priority flood risk reduction properties in the lower<br>two miles of the Tolt River consistent with the adopted Capital Investment  |
| 57 WLFL3 LOWER TOLT RIVER ACQUISITION 58 WLFL3 REMLINGER LEVEE 2017 REPAIR | Tolt       | FCD Acqu/Elev              | \$532,475                             | \$1,379,475                | \$847,000                | \$150,000         | \$200,000       | \$200,000       | \$645,000       | \$550,000       |                 | \$2,295,000         |                  |                 | \$3,674,475           | 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.   |
| 59 WLFL3 RIO VISTA PROPERTY ACQ  | Tolt       | FCD Acqu/Elev              | \$656.331                             | \$3,070,203                | \$2,413,872              | \$397.128         | \$1,750,000     | \$1.750.000     | \$1,750,000     | \$0             | \$0             | \$5,647,128         |                  |                 | \$8.717.331           | Carnation. Capital Investment Strategy: Acquire 2 at-risk homes per year from willing sellers; acquire remaining 14 homes as funds become available.   |
| 60 WLFL3 SAN SOUCI NBRHOOD BUYOUT  | Tolt       | FCD Acqu/Elev              |                                       | \$5,199,674                | \$153,211                | \$0               | \$346,789       |                 |                 | \$0             |                 | \$346,789           |                  |                 |                       | Carnation. This project will buyout remaining properties and remove all<br>homes and privately-constructed rubble levee at upstream end of the<br>community access road, ultimately completing project initiated 20 years ago<br>by others. Approximately 20 homes removed from high hazard areas within<br>and investment and devectore of Sec. Section behaviored  |
| 60 WLFL3 TOLT R RD ELEV SAN SOUCI  | Tolt       | FCD Const                  |                                       | \$25,000                   | \$25,000                 | \$700,000         | \$700,000       |                 |                 | \$0             |                 | \$2,225,000         |                  |                 |                       | Carnation. Capital Investment Strategy: Construct Tolt Road NE road<br>elevation in one location. Remove illegal revetment and roads in San Souci<br>neighborhood.   |
| 61 WLFL3 SEDIMENT MGMT FEAS  | Tolt       | FCD Const                  | \$174,823                             | \$263,706                  | \$88,883                 | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$263,706             | Carnation. Capital Investment Strategy: Conduct sediment management<br>feasibility study and develop a plan. Update and include upper watershed<br>sediment production estimates.  |

|  |   |   |   | 2020 Inception to   | 2021<br>Inception to Date   | 2021 Available   | 2022   |   |   |   |  |   | 6-Year CIP   | CIS           | CIS          | Project Life  |   |
|--|---|---|---|---|---|--|--|---|---|---|--|---|--|---------------|--------------|---|---|
| No.  | Title   | Basin   | Type of project   | Date Expenditure  | Budget  | Budget   | Requested  | 2023 Forecasted   | 2024 Forecasted   | 2025 Forecasted   | 2026 Forecasted  | 2027 Forecasted   | Total  | Year 7-10     | 10+ Year     | Total   | Comments  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. Capital Investment Strategy: Initiate study (with potential future design and construct) to add bridge span(s), raise the highway and relocate   |
| 62   | WLFL3 SR 203 BR IMPRVMNTS FEAS  | Tolt  | FCD Const   | \$30,706  | \$395,900   | \$365,194  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  |               |              | \$395,900   | King County Parks parking area.<br>Carnation. Implement projects identified in the Capital Investment Strategy,   |
| 63   | WLFL3 TOLT CIS LONG TERM  | Tolt  | FCD Const   |   |   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  |               | \$28,800,000 | \$28,800,000  | approved as policy direction by the Executive Committee.  |
| 64   | WLFL3 TOLT CIS MED TERM   | Tolt  | FCD Const   |   |   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  | \$56,250,000  |              | \$56,250,000  | Carnation. Implement projects identified in the Capital Investment Strategy,<br>approved as policy direction by the Executive Committee.  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. The corridor plan for the lower 6 miles of the Tolt River will<br>develop a prioritized implementation strategy for near-term and long-term  |
| 65   | 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   | floodplain management actions.  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. Capital Investment Strategy: Conduct a detailed hydraulic<br>analysis to optimize the elevation of new levees to maximize flood risk   |
| 66   | WLFL3 TOLT R LEVEE L.O.S. ANALYSIS  | Tolt  | FCD Const   | \$575,785   | \$941,815   | \$366,030  | \$54,357   | \$0   | \$0   | \$0   | \$0  | \$0   | \$54,357   |               |              | \$996,172   | reduction benefits  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. Acquisition funding for high risk properties in levee setback<br>project area. Project priorities will be determined by the Board through  |
| 67   | WLFL3 TOLT R MILE 1.1 ACQ   | Tolt  | FCD Acqu/Elev   | \$4,214,977   | \$4,214,977   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  |               |              | \$4,214,977   | adoption of the Tolt Corridor Plan.<br>Carnation. Capital investment strategy: acquire at-risk homes from willing   |
| 68   | WLFL3 TOLT R NATURAL AREA ACQ   | Tolt  | FCD Acqu/Elev   | \$2,614,518   | \$4,814,518   | \$2,200,000  | \$107,740  | \$700,000   | \$0   | \$0   | \$0  | \$0   | \$807,740  |               |              | \$5,622,258   | sellers.  |
| 69   | WLFL3 TOLT R RD ELEVATION FEASIBILITY   | Tolt  | FCD Const   | \$67,917  | \$250,000   | \$182,083  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  |               |              | \$250,000   | Carnation. Reduce neighborhood isolation from flooding. Evaluate feasibility<br>of elevating sections of Tolt River Road.   |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. Capital Investment Strategy: Initiate design for elevation of one  |
| 70   | WLFL3 TOLT R RD NE IMPROVEMENTS   | Tolt  | FCD Const   |   | \$0   | \$0  | \$0  | \$91,301  | \$250,000   | \$150,000   | \$2,342,329  | \$30,000  | \$2,863,630  |               |              | \$2,863,630   | road location to reduce or eliminate isolation. Implement additional road<br>elevations as funds become available.  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | Carnation. Capital Investment Strategy: Initiate the levee setback design in<br>order to apply for grant funding. Levee setback to increase sediment  |
|  |   |   | 505.0   |   | 450.000   | 450.000  | <b>A</b> 1 <b>F</b> 0 0 <b>G</b> 0   | A 175 000   | <b>*</b> / 000 000  | <b>A</b> 4 500 000  |  |   | <b>A</b> 1 <b>- A A A A A</b>  |               |              |   | storage and floodwater conveyance; protect adjacent development; reduce   |
| 71   | WLFL3 UPPER FREW LEVEE SETBACK  | Tolt  | FCD Const   |   | \$50,000  | \$50,000   | \$159,000  | \$175,000   | \$1,200,000   | \$1,500,000   | \$14,800,000   | \$0   | \$17,834,000   |               |              | \$17,884,000  | damage to trail bridge.<br>Fall City. Acquisition of single-family homes and future acquisition of mobile   |
| 70   |   | Desing  |   | ¢1 752 000  | ¢1 702 010  | \$29,930   | \$400.000  | 02  | ¢0.   | \$0   | \$0  | \$0   | ¢400.000   |               |              | ¢0 100 010  | home park at risk of channel migration along the Raging River in the Alpine   |
| 12   | WLFL4 ALPINE MANOR NEIGHBORHOOD BUYOUTS   | Raging  | FCD Acqu/Elev   | \$1,753,880   | \$1,783,810   | \$29,930   | \$400,000  | \$0   | \$0   | <u>۵</u> 0  | <b>Φ</b> Ο   | <u>۵</u> ۵  | \$400,000  |               |              | \$2,103,010   | Manor neighborhood.<br>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<br>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   |
| 73   | WLFL4 RAGING MOUTH TO BR 2017 REPAIR  | Raging  | FCD Const   | \$266,859   | \$266,859   | \$0  | \$0  | \$0   | \$0   | \$0   | \$0  | \$0   | \$0  |               |              | \$266,859   | course barn, which would experience greater flooding if the levee were breached.  |
|  |   |   |   |   |   |  |  |   |   |   |  |   |  |               |              |   | 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 Landmark.   |
|  | WLFL4 RAGING SCOUR REPAIR 2017  | Raging  | Agreement   | \$25,062  | \$80,000  | \$54,938   | \$0  | \$0   | 02  | \$0   | \$0  | ¢0.   | 02   |               |              | <b>#00 000</b>  |   |
| 1 75 1   | Snogualmie-South Fork Skykomish Subtotal  | laging  | Agreement   |   |   |  |  |   | \$23.574.604  |   |  |   | \$123.517.474  | \$103.450.000 | \$85,900,000 | \$80,000<br>\$413.320.813   |   |
| 76   | Snoqualmie-South Fork Skykomish Subtotal  |   |   | \$71,413,367  |   | \$29,039,975   | \$13,108,271<br>\$0  | \$23,223,953  | \$23,574,604  |   | \$0<br>\$24,703,408  |   | \$123,517,474  | \$103,450,000 | \$85,900,000 | \$413,320,813   |   |
| 75<br>76<br>77   | Snoqualmie-South Fork Skykomish Subtotal  |   |   |   |   |  | \$13,108,271   |   | \$23,574,604  |   |  |   | \$123,517,474  | \$103,450,000 | \$85,900,000 |   | Sammamish. To address chronic flooding on this sole access roadway with   |
| 76   | Snoqualmie-South Fork Skykomish Subtotal  |   |   |   |   |  | \$13,108,271<br>\$0  |   | \$23,574,604  |   |  |   | \$123,517,474  | \$103,450,000 | \$85,900,000 |   | Sammamish. To address chronic flooding on this sole access roadway with approximately 200 properties, look at upstream and downstream   |
| 76<br>77   | Snoqualmie-South Fork Skykomish Subtotal  | Sammamish   |   |   |   |  | \$13,108,271<br>\$0  |   | \$23,574,604<br>\$1,500,000   |   |  |   | \$0<br>\$123,517,474<br>\$1,946,256                                      | \$103,450,000 | \$85,900,000 | \$413,320,813   | 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.   |
| 76<br>77   |   |   |   | \$71,413,367  | \$100,453,340   | \$29,039,975   | \$13,108,271<br>\$0<br>\$0   | \$23,223,953  |   | \$29,724,212  | \$24,703,408   | \$9,183,026   |  | \$103,450,000 | \$85,900,000 | \$413,320,813   | 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. Issaquah. The Bayless Revetment protects a sole access bridge to a  |
| 76<br>77   |   |   |   | \$71,413,367  | \$100,453,340   | \$29,039,975   | \$13,108,271<br>\$0<br>\$0   | \$23,223,953  |   | \$29,724,212  | \$24,703,408   | \$9,183,026   |  | \$103,450,000 | \$85,900,000 | \$413,320,813   | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the   |
| 76<br>77   |   |   |   | \$71,413,367  | \$100,453,340   | \$29,039,975   | \$13,108,271<br>\$0<br>\$0   | \$23,223,953  |   | \$29,724,212  | \$24,703,408   | \$9,183,026   |  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256  | 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.<br>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   |
| 76<br>77<br>78   |   |   | Agreement   | \$71,413,367  | \$100,453,340   | \$29,039,975   | \$13,108,271<br>\$0<br>\$0   | \$23,223,953  |   | \$29,724,212  | \$24,703,408   | \$9,183,026   |  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256  | 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.<br>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 ongoing flooding to the neighborhood.   |
| 76<br>77<br>78<br>79                                     | WLFL5 ALLEN LK OUTLET IMPRVMNT  | Sammamish   | Agreement<br>FCD Const  | \$71,413,367  | \$100,453,340<br>\$845,000<br>\$50,000  | \$29,039,975<br>\$825,774<br>\$50,000  | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$23,223,953<br>\$36,256<br>\$36,256<br>\$0                                   | \$1,500,000   | \$29,724,212<br>\$400,000<br>\$400,000  | \$24,703,408   | \$9,183,026   | \$1,946,256  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000  | 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. 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 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   |
| 76<br>77<br>78<br>79                                     | WLFL5 ALLEN LK OUTLET IMPRVMNT  | Sammamish   | Agreement   | \$71,413,367  | \$100,453,340   | \$29,039,975   | \$13,108,271<br>\$0<br>\$0<br>\$0  | \$23,223,953  | \$1,500,000   | \$29,724,212  | \$24,703,408   | \$9,183,026   | \$1,946,256  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000  | 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. 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 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 sediment deposition.  |
| 76<br>77<br>78<br>79<br>80                               | WLFL5 ALLEN LK OUTLET IMPRVMNT  | Sammamish   | Agreement<br>FCD Const  | \$71,413,367  | \$100,453,340<br>\$845,000<br>\$50,000  | \$29,039,975<br>\$825,774<br>\$50,000  | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$23,223,953<br>\$36,256<br>\$36,256<br>\$0                                   | \$1,500,000   | \$29,724,212<br>\$400,000<br>\$400,000  | \$24,703,408   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0   | \$1,946,256  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000   | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).   |
| 76<br>77<br>78<br>79<br>80                               | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH   | Sammamish   | Agreement<br>FCD Const<br>Agreement   | \$71,413,367  | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000   | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000   | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                      | \$23,223,953<br>\$36,256<br>\$0<br>\$0  | \$1,500,000<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0   | \$24,703,408<br>\$10,000<br>\$0<br>\$0   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0   | \$1,946,256<br>\$0<br>\$0  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000   | 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.<br>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 ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality kokanee salmon habitat and reduce the risk of flooding by reducing sediment deposition.  |
| 76<br>77<br>78<br>79<br>80<br>81                         | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR  | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish  | Agreement<br>FCD Const<br>Agreement<br>FCD Const                                | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197                                    | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000  | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803  | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0               | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000                            | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$1,946,256<br>\$0<br>\$0<br>\$15,000                                    | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000  | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70  |
| 76<br>77<br>78<br>79<br>80<br>81                         | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH   | Sammamish   | Agreement<br>FCD Const<br>Agreement<br>FCD Const                                | \$71,413,367  | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000   | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000   | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                      | \$23,223,953<br>\$36,256<br>\$0<br>\$0  | \$1,500,000<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0   | \$24,703,408<br>\$10,000<br>\$0<br>\$0   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$1,946,256<br>\$0<br>\$0  | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000  | 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. 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 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 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). 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 linear feet (LF) of erosion.  |
| 76<br>77<br>78<br>79<br>80<br>81                         | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR  | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish  | Agreement<br>FCD Const<br>Agreement<br>FCD Const                                | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197                                    | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000  | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803  | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0               | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000                            | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$1,946,256<br>\$0<br>\$0<br>\$15,000                                    | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000  | 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. 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 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 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). 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 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   |
| 76<br>77<br>78<br>79<br>80<br>81<br>82                   | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR  | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish  | Agreement<br>FCD Const<br>Agreement<br>FCD Const                                | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197                                    | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000  | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803  | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0               | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000                            | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0   | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                      | \$1,946,256<br>\$0<br>\$0<br>\$15,000                                    | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083   | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70<br>linear feet (LF) of erosion.<br>Issaquah. Damage to the SE 156th St. road next flood season could cut off<br>the sole access to a community of about 30 homes. More erosion at the<br>downstream end of the facility may further destabilize the steep slope of the<br>landslide and threaten downstream homeowners.  |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83             | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR<br>WLFL5 JEROME 2020 REPAIR  | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish  | Agreement FCD Const Agreement FCD Const Agreement Agreement                     | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197<br>\$5,083                         | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000<br>\$355,083                           | \$29,039,975<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803<br>\$350,000                           | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000<br>\$0                     | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0   | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0  | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                                    | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$1,946,256<br>\$0<br>\$0<br>\$15,000<br>\$0                             | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083<br>\$844,891                                | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70<br>linear feet (LF) of erosion.<br>Issaquah. Damage to the SE 156th St. road next flood season could cut off<br>the sole access to a community of about 30 homes. More erosion at the<br>downstream end of the facility may further destabilize the steep slope of the   |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83             | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR<br>WLFL5 JEROME 2020 REPAIR<br>WLFL5 MOMB 2020 REPAIR                        | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish<br>Sammamish                           | Agreement FCD Const Agreement FCD Const Agreement FCD Const                     | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197<br>\$5,083<br>\$2,391              | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000<br>\$355,083<br>\$110,000              | \$29,039,975<br>\$825,774<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803<br>\$350,000<br>\$107,609 | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$0<br>\$577,500 | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$1,946,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$734,891                | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083<br>\$844,891                                | 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. 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 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 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). 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 linear feet (LF) of erosion. 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. Redmond: Identify and prioritize near-, mid-, and long-term capital projects for Flood Control District funding along the Sammamish River.   |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83             | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR<br>WLFL5 JEROME 2020 REPAIR<br>WLFL5 MOMB 2020 REPAIR                        | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish<br>Sammamish                           | Agreement FCD Const Agreement FCD Const Agreement FCD Const                     | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197<br>\$5,083<br>\$2,391              | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000<br>\$355,083<br>\$110,000              | \$29,039,975<br>\$825,774<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803<br>\$350,000<br>\$107,609 | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$0<br>\$577,500 | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$1,946,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$734,891                | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083<br>\$844,891                                | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70<br>linear feet (LF) of erosion.<br>Issaquah. Damage to the SE 156th St. road next flood season could cut off<br>the sole access to a community of about 30 homes. More erosion at the<br>downstream end of the facility may further destabilize the steep slope of the<br>landslide and threaten downstream homeowners.<br>Redmond: Identify and prioritize near-, mid-, and long-term capital projects<br>for Flood Control District funding along the Sammamish River.   |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83             | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR<br>WLFL5 JEROME 2020 REPAIR<br>WLFL5 MOMB 2020 REPAIR                        | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish<br>Sammamish                           | Agreement FCD Const Agreement FCD Const Agreement FCD Const                     | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197<br>\$5,083<br>\$2,391              | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000<br>\$355,083<br>\$110,000              | \$29,039,975<br>\$825,774<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803<br>\$350,000<br>\$107,609 | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$0<br>\$577,500 | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$1,946,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$734,891                | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083<br>\$844,891                                | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70<br>linear feet (LF) of erosion.<br>Issaquah. Damage to the SE 156th St. road next flood season could cut off<br>the sole access to a community of about 30 homes. More erosion at the<br>downstream end of the facility may further destabilize the steep slope of the<br>landslide and threaten downstream homeowners.<br>Redmond: Identify and prioritize near-, mid-, and long-term capital projects<br>for Flood Control District funding along the Sammamish River.<br>Redmond. Willowmoor Floodplain Restoration Project seeks to reduce the<br>frequency and duration of high lake levels in Lake Sammamish while<br>maintaining downstream Sammamish River flood control performance and<br>enhancing habitat. The project will reconfigure the Sammamish transition   |
| 76<br>77<br>78<br>79<br>80<br>81<br>82<br>83             | WLFL5 ALLEN LK OUTLET IMPRVMNT<br>WLFL5 BAYLESS 2020 REPAIR<br>WLFL5 GEORGE DAVIS CRK CITY OF SAMMAMISH<br>WLFL5 IRWIN R 2020 REPAIR<br>WLFL5 JEROME 2020 REPAIR<br>WLFL5 MOMB 2020 REPAIR                        | Sammamish<br>Sammamish<br>Sammamish<br>Sammamish<br>Sammamish                           | Agreement FCD Const Agreement FCD Const Agreement FCD Const                     | \$71,413,367<br>\$19,226<br>\$19,226<br>\$16,197<br>\$5,083<br>\$2,391              | \$100,453,340<br>\$845,000<br>\$50,000<br>\$400,000<br>\$300,000<br>\$355,083<br>\$110,000              | \$29,039,975<br>\$825,774<br>\$825,774<br>\$50,000<br>\$400,000<br>\$283,803<br>\$350,000<br>\$107,609 | \$13,108,271<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$23,223,953<br>\$36,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$0<br>\$577,500 | \$1,500,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$29,724,212<br>\$400,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                             | \$24,703,408<br>\$10,000<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$9,183,026<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0 | \$1,946,256<br>\$0<br>\$0<br>\$15,000<br>\$0<br>\$734,891                | \$103,450,000 | \$85,900,000 | \$413,320,813<br>\$2,791,256<br>\$50,000<br>\$400,000<br>\$315,000<br>\$355,083<br>\$844,891                                | Sammamish. To address chronic flooding on this sole access roadway with<br>approximately 200 properties, look at upstream and downstream<br>retention/detention options; study road-raining options; prepare Concept<br>Development Report, analyze and select best options.<br>Issaquah. The Bayless Revetment protects a sole access bridge to a<br>residential community (about 70 homes) in the City of Issaquah. The facility<br>was flanked and/or overtopped during the flood resulting in flooding of the<br>low lying Sycamore neighborhood in the City of Issaquah behind the<br>revetment. Continued erosion may result in damage to the bridge and<br>ongoing flooding to the neighborhood.<br>Sammamish. This project will restore access to one river mile of high quality<br>kokanee salmon habitat and reduce the risk of flooding by reducing<br>sediment deposition.<br>Issaquah. Further damage to the facility could cut off the sole access to one<br>resident (via a private road and bridge over the creek).<br>Issaquah. The Jerome Revetment protects three private residences in the<br>City of Issaquah. Erosion of the revetment could result in loss of property<br>and damage to private utilities. Loss of bank in front of middle property. 70<br>linear feet (LF) of erosion.<br>Issaquah. Damage to the SE 156th St. road next flood season could cut off<br>the sole access to a community of about 30 homes. More erosion at the<br>downstream end of the facility may further destabilize the steep slope of the<br>landslide and threaten downstream homeowners.<br>Redmond: Identify and prioritize near-, mid-, and long-term capital projects<br>for Flood Control District funding along the Sammamish River.<br>Redmond. Willowmoor Floodplain Restoration Project seeks to reduce the<br>frequency and duration of high lake levels in Lake Sammamish while<br>maintaining downstream Sammamish River flood control performance and   |
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|   |                |                 | 2020 Inception to | 2021<br>Inception to Date | 2021 Available          | 2022        |                   |                   |                   |                 |                   | 6-Year CIP          | CIS          | CIS          | Project Life |  |
|---|----------------|-----------------|-------------------|---------------------------|-------------------------|-------------|-------------------|-------------------|-------------------|-----------------|-------------------|---------------------|--------------|--------------|--------------|--|
| No. Title   | Basin          | Type of project | Date Expenditure  | Budget                    | Budget                  | Requested   | 2023 Forecasted   | 2024 Forecasted   | 2025 Forecasted   | 2026 Forecasted | 2027 Forecasted   | Total               | Year 7-10    | 10+ Year     | Total        | Comments Redmond. Protect Avondale Rd from an embankment that has been   |
| 87 WLFL6 BEAR CRK FLOOD EROSION REDMOND   | Lk Wash Tribs  | Agreement       | \$128             | \$1,100,000               | \$1,099,872             | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 |              |              | \$1,100,000  | scoured by floodwaters from Bear Creek.  |
| 88 WLFL6 FACTORIA BLVD DRAINAGE   | Lk Wash Tribs  | Agreement       |                   | \$4,792,000               | \$4,792,000             | \$2,022,000 | \$0               | \$0               | \$0               | \$0             | \$0               | \$2,022,000         |              |              | \$6,814,000  | Bellevue. Reduce flooding during high-intensity storm events along Factoria<br>Boulevard, a major transportation corridor within the City of Bellevue.<br>These events have increased in frequency and are anticipated to be even<br>more frequent in the future as a result of climate change.  |
|   |                | Agreement       |                   | φ <del>1</del> ,732,000   | ψ <del>1</del> ,732,000 | φ2,022,000  |                   | ψŪ                | φυ                | ψυ              |                   | φ <u></u> 2,022,000 |              |              | φ0,014,000   | Issaquah. Prepare a feasibility analysis report which will include, but is not<br>limited to, surveying, geotechnical analysis, traffic analysis, and hydraulic<br>analysis to idenify potential solutions to bridge deficiencies, including a   |
| 89 WLFL6 ISSAQUAH TRIB FEAS   | Lk Wash Tribs  | Agreement       | \$322,547         | \$350,000                 | \$27,453                | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 |              |              | \$350,000    | constructed hydraulic opening with piles that collect debris and pose risks to the stability of the bridge.<br>Bellevue. Increase conveyance capacity at the five box culvert crossings.   |
| 90 WLFL6 LOWER COAL CRK PH I  | Lk Wash Tribs  | Agreement       | \$11,113,877      | \$11,361,592              | \$247,715               | \$200,000   | \$285,000         | \$1,310,000       | \$1,432,358       | \$0             | \$0               | \$3,227,358         |              |              | \$14,588,950 | Disconnect local storm drainage outfall from Coal Creek and redirect them<br>to Lake Washington. Implemented by City of Bellevue. Expenditure<br>forecast to be updated based on current project schedule.   |
| 91 WLFL6 MAY VALLEY DRAINAGE IMPRVMNT   | Lk Wash Tribs  | Agreement       | \$224,826         | \$530,000                 | \$305,174               | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 |              |              | \$530,000    | Newcastle. As recommended in the May Creek Basin Plan, two sediment<br>traps will be constructed on May Creek tributaries (Cabbage and Country<br>Creeks) to limit sediment loading. FCD funding is for initial feasibility<br>analysis, landowner outreach, and acquisition of property from willing sellers<br>for a future sediment facility.   |
| 92 WLFL7 BELMONDO 2020 REPAIR   | Cedar          | FCD Const       | \$9,048           | \$150,000                 | \$140,952               | \$149,048   | \$410,000         | \$15,000          | \$0               | \$0             | \$0               | \$574.048           |              |              | \$724,048    | Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents.<br>Potential human injury from sudden change in conditions. Generally   |
|   |                |                 |                   |                           |                         |             |                   |                   |                   |                 |                   |                     |              |              | \$9.403      | Renton. Residential land use and critical facilities (Utilities, CRT, SR 169).<br>Regional impact extents. Potential human injury from sudden change in<br>conditions. Domage may court part flood conconfilted increasing   |
| 93 WLFL7 BRODELL 2020 REPAIR  | Cedar          | FCD Const       | \$9,403           | \$9,403                   | \$0                     | \$0         | \$0               | \$0               | \$0               | \$0             |                   | \$0                 |              |              |              | Renton. Emergency action to prevent flooding of Byers Road, which is the   |
| 94 WLFL7 BYERS 2020 REPAIR<br>95 WLFL7 BYERS NEIGHBORHOOD IMPROVEMENTS                    | Cedar<br>Cedar | FCD Const       | \$15,194          | \$25,000<br>\$220,000     | \$9,806<br>\$220,000    | \$0<br>\$0  | \$0<br>\$300,000  | \$0               | \$0               | \$0             |                   | \$0                 |              |              |              | sole access/egress for numerous residences along the Cedar River.<br>Renton. Capital Investment Strategy: Take several actions to reduce flood<br>risk including construction of an emergency egress route, acquisition of<br>flood-prone homes, and possible elevation of neighborhood roads. The<br>Cedar CIS will be reviewed by the District in 2021 in light of changed<br>conditions from the 2020 flood disaster.   |
| 96 WLFL7 CDR PRE-CONST STRTGC ACQ   | Cedar          | FCD Acqu/Elev   | \$4,269,411       | \$6,730,532               | \$2,461,121             | \$1,600,000 | \$1,600,000       | \$1,600,000       | \$1,600,000       | \$1,600,000     | \$1,600,000       | \$9,600,000         |              |              | \$16,330,532 | Renton. This project will acquire strategic real estate upon which several large Flood Control District capital projects are dependent (Project J in the Control Investment Strategy). Accuracy 2 homes per year   |
| 97 WLFL7 CEDAR CIS LONG TERM  | Cedar          | FCD Acqu/Elev   | r                 |                           | \$0                     | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 |              | \$35,400,000 | \$35,400,000 | Renton.Implement projects identified in the Capital Investment Strategy,<br>approved as policy direction by the Executive Committee.   |
| 98 WLFL7 CEDAR CIS MED TERM   | Cedar          | FCD Acqu/Elev   | ,                 |                           | \$0                     | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 | \$22,000,000 |              |              | Renton.Implement projects identified in the Capital Investment Strategy,<br>approved as policy direction by the Executive Committee.   |
|   |                | 505.0           | <b>01</b> 050 000 | \$4.007.507               | <b>0</b> 404.007        |             |                   |                   |                   |                 |                   |                     |              |              |              | Renton. This six-year flood risk reduction capital investment strategy will<br>cover the Cedar River valley from Landsburg Road SE (River Mile 22) to<br>Lake Washington. Project complete. Closeout in 2020.  |
| 99 WLFL7 CEDAR LEVEE SETBACK FEAS (Cedar Corrido<br>100 WLFL7 CEDAR R DWNSTREAM 2024 IMPV | Cedar          | FCD Const       | \$1,853,360       | \$1,987,587<br>\$0        | \$134,227               | \$0<br>\$0  | <u>\$0</u><br>\$0 | \$0<br>\$100,000  | \$0<br>\$0        | \$0<br>\$0      |                   | \$0<br>\$100,000    |              |              | \$1,987,587  | Renton. Improve Cedar Grove Road near Byers Road SE and alleviate<br>roadway flooding by raising the road through the application of a thick layer<br>of overlay.  |
| 101 WLFL7 CEDAR RAPIDS ELJ6 2020 REPAIR   | Cedar          | FCD Const       | \$13,518          | \$186,000                 | \$172,482               | \$5,518     | \$0               | \$0               | \$0               | \$0             | \$0               | \$5,518             |              |              |              | Erosion and scour have resulted in loss of upper ballast, dislodging of key<br>logs, shearing of piles, and damage to hardware connections, to an<br>Engineered Log Jam (ELJ #6), within the Cedar Rapids reach.   |
|   |                | 50D 4 (5)       | <b>A</b> 4 000    | <b>40 074 000</b>         | <b>60 070 000</b>       |             | ¢4 000 000        | <b>01 000 000</b> | <b>01 000 000</b> | ¢1 000 000      | <b>61</b> 000 000 | #0.000.000          |              |              | A44 074 000  | Renton. Implement projects identified in the Capital Investment Strategy,<br>approved as policy direction by the Executive Committee. Project K on the<br>CIS: Risk analysis has identified 53 homes as high risk from flooding and<br>channel migration, but which are not mitigated by projects. Elevate or  |
| 102 WLFL7 CEDAR RES FLOOD MITIGATION  | Cedar          | FCD Acqu/Elev   | \$1,332           | \$3,074,000               | \$3,072,668             | \$0\$0      | \$1,600,000       | \$1,600,000       | \$1,600,000       | \$1,600,000     | \$1,600,000       | \$8,000,000         |              |              | \$11,074,000 | purchase approximately 2 homes per year.<br>Renton. The project ensures the minimum required 100-year flood<br>conveyance capacity along the lower 1.25 miles of the Cedar River. Project<br>is a required maintenance action by the Army Corps of Engineers Section<br>205 Flood Control Project. Maintenance dredging took place in 2016.<br>Project funding shown herein represent post construction mitigation<br>monitoring and reporting as well as the planning and design of the next<br>dredging project. Additional funding will be needed beyond 2026 to cover<br>permitting, mitigation plan development, construction, mitigation and post- |
| 103 WLFL7 CEDAR RVR GRAVEL REMOVAL  | Cedar          | Agreement       | \$10,259,941      | \$12,835,100              | \$2,575,159             | \$0         | \$0               | \$403,000         | \$500,000         | \$500,000       | \$0               |                     |              |              | \$14,238,100 | Renton. Levee improvements necessary to satisfy levee certification  |
| 104 WLFL7 CITY OF RENTON LEVEE CERTIFICATION  | Cedar          | Agreement       | \$469,072         | \$5,000,000               | \$4,530,928             | \$0         | \$0               | \$0               | \$0               | \$0             |                   | \$0                 |              |              |              | engineering recommendations.<br>Renton. This emergency action will armor up to 300 feet river bank and<br>construct a buried revetment to stabilize the bank and prevent further<br>erosion to the most damaged portion. This emergency action and the<br>subsequent extension are upstream of the CRT 2 revetment in an area  |
| 105 WLFL7 CRT SITE 2 2020 REPAIR  | Cedar          | Agreement       | \$447,793         | \$1,233,000               | \$785,207               | \$0         | \$0               | \$0               | \$0               | \$0             |                   | \$0                 |              |              |              | referred to as "Zone B."<br>Renton. Erosion and scour have resulted in loss of toe and bank rock,<br>oversteepened and undercut banks (some portions cantilevered). Scour has<br>undermined numerous large trees, likely to fall into the channel likely<br>resulting in further damage of the bank. Damage is observed along  |
| 106 WLFL7 CRT SITE 5 2020 REPAIR  | Cedar          | FCD Const       | \$2,905           | \$350,000                 | \$347,095               | \$87,905    | \$1,070,000       | \$5,000           | \$0               | \$0             | \$0               | \$1,162,905         |              |              | \$1,512,905  | approximately 350 feet of facility, near the upstream end.<br>Renton. Capital Investment Strategy: Repair eroded section of left bank  |
| 107 WLFL7 CRT SITE A BANK   | Cedar          | FCD Const       | \$145,013         | \$208,302                 | \$63,289                | \$0         | \$0               | \$0               | \$0               | \$0             | \$0               | \$0                 |              |              | \$208,302    | with bioengineered revetment to stabilize toe of bank and to prevent large scale bank failure.   |

| No. Title   | Basin          | Type of project        | 2020 Inception to<br>Date Expenditure | 2021<br>Inception to Date<br>Budget | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted 2 | 2024 Forecasted 20          | )25 Forecasted          | 2026 Forecasted    | 2027 Forecasted | 6-Year CIP<br>Total         | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total | Comments   |
|---|----------------|------------------------|---------------------------------------|-------------------------------------|--------------------------|-------------------|-------------------|-----------------------------|-------------------------|--------------------|-----------------|-----------------------------|------------------|-----------------|-----------------------|--|
| 108     WLFL7 CRT2 ZONE D 2020 REPAIR       109     WLFL7 DORRE DON AVULSION ANALYSIS | Cedar          | Agreement<br>FCD Const | \$449<br>\$23,120                     | \$193,000<br>\$100.000              | \$192,551                | \$5,142,656       | \$0<br>\$0        | \$0<br>\$0                  | \$0<br>\$0              | \$0                | \$0             | \$5,142,656                 |                  |                 | \$5,335,656           | Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents.<br>Potential human injury from sudden change in conditions. Damage may<br>occur next flood season/likelihood increasing. This repair addresses<br>damage to the CRT 2 revetment downstream of the 2020 emergency repair<br>site, retrofitting the 2020 emergency repair with wood bank deflectors for<br>long-term protection, and extending CRT 2 upstream to replace the<br>damaged Riverbend Lower revetment, which will be removed as part of the<br><u>Riverbend phase 2 project</u> .<br>Renton. The main channel has avulsed into the previous left floodplain,<br>J leading to erosion of the channel bank, adjacent to 231st PI SE.  |
| 110 WLFL7 DORRE DON NBHOOD IMPRVMNT   | Cedar          | FCD Const              | φ20,120                               | \$800,000                           | \$70,000                 | \$0               |                   | \$0                         | \$0<br>\$0              | \$0                |                 | \$0                         |                  |                 | \$800,000             | Renton. Capital Investment Strategy: This project will acquire flood-prone<br>homes per the Cedar CIS, as well as evaluate if changes to the levee and<br>road elevation will result in meaningful flood risk reduction and to determine<br>what level of protection can be provided. The study would also evaluate<br>other structural improvements such as raising Lower Dorre Don Way SE<br>upstream and downstream of the trail crossing and farther downstream neal<br>RM 16.3. The Cedar CIS will be reviewed by the District in 2021 in light of<br>changed conditions from the 2020 flood disaster.  |
| 111 WLFL7 FBD CORRIDOR IMPLEMENTATION   | Cedar          | FCD Acqu/Elev          | v \$5,836,796                         | \$5,836,796                         | \$0                      | \$0               | \$0               | \$0                         | \$0                     | \$0                | \$0             | \$0                         |                  |                 | \$5,836,796           | 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 and         Renton. Capital Investment Strategy: Setback levee; excavate side-channe  |
| 112 WLFL7 HERZMAN LEVEE SETBACK   | Cedar          | FCD Const              | \$1,610,209                           | \$2,285,209                         | \$675,000                | \$297,670         | \$5,088,710       | \$32,782                    | \$0                     | \$0                | \$0             | \$5,419,162                 |                  |                 | \$7,704,371           | to reduce pressure on revetment; reconstruct, reinforce and/or extend<br>revetment; acquire up to 5 properties.  |
| 113 WLFL7 ISSAQUAH MAY VALLEY IMPV  | Cedar          | Agreement              | \$88,319                              | \$100,000                           | \$11,681                 | \$0               |                   | \$0                         | \$0                     | \$0                | \$0             | \$0                         |                  |                 | \$100,000             | 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 locacy behavior and the sector of |
| 114 WLFL7 JAN ROAD LEVEE SETBACK  | Cedar          | FCD Const              | \$1.541.264                           | \$3,649,904                         | \$2,108,640              | \$9,573,987       | \$26,204          | \$0                         | \$0                     | \$0                | \$0             | \$9,600,191                 |                  |                 | \$13.250.095          | Renton. Capital Investment Strategy: Suite of solutions to be determined as<br>part of feasibility study. Includes raise road, partial removal of Jan Road<br>levee, construction of side channel, and mitigation of at-risk properties.<br>Construction phased for mitigation in 2021 and other improvements in 2023.   |
| 115 WLFL7 LOWER CEDAR FEASIBILITY STUDY   | Cedar          | Agreement              | \$9,503                               | \$520,000                           | \$510,497                | \$0,575,557       |                   | \$0                         | \$0                     | \$0                |                 | \$0,000,101                 |                  |                 |                       | Renton. Capital Investment Strategy: Conduct feasibility study of Lower<br>Cedar reach in City of Renton to 1) quantity economic damage potential 2)<br>determine infrastructure modifications to improve flood resiliency and<br>sediment storage potential, and 30 conduct cost-benefit analysis.  |
|   |                |                        |                                       |                                     |                          |                   |                   |                             |                         |                    |                 |                             |                  |                 |                       | Renton. Capital Investment Strategy: Raise in place or setback Jones<br>Road; excavate and stabilize right bank to increase conveyance capacity;<br>reinforce one revetment; remove portion of another revetment; acquire 8 at<br>risk properties Construction delayed to accommodate Jan Rd construction  |
| 116 WLFL7 LOWER JONES ROAD NEIGHBORHOOD   | Cedar          | FCD Const              | \$214,203                             | \$1,244,203                         | \$1,030,000              | \$1,410,000       | \$160,704         | \$4,540,762                 | \$1,631,719             | \$0                |                 | \$7,743,185                 |                  |                 | \$8,987,388           | Renton. To address a culvert failure affecting approximately 10 properties,<br>prepare Concept Development Report to analyze and select best culvert<br>replacement and road-raising option; and analyze upstream and  |
| 117 WLFL7 MADSEN CR CULVERT 2017<br>118 WLFL7 MADSEN CR RENTON                        | Cedar<br>Cedar | Agreement<br>Agreement | \$3,399,480                           | \$3,326,000<br>\$635,000            | (\$73,480)<br>\$490,362  | \$0<br>\$0        | \$0<br>\$0        | \$0                         | <u>\$0</u><br>\$0       | \$0<br>\$0         |                 | \$0<br>\$0                  |                  |                 |                       | <ol> <li>downstream retention/detention impacts.</li> <li>Renton. Design and implement phase I improvements to Madsen Creek to<br/>achieve 100-year level flood protection for properties south of SR 169 and<br/>25-year level flood protection for properties north of SR 169.</li> </ol>  |
| 119 WLFL7 MAPLEWOOD FEASIBILITY STUDY   | Cedar          | FCD Const              | \$463.979                             | \$490.246                           | \$26,267                 | \$0               | \$0               | \$0                         | \$0                     | \$0                | \$0             | \$0                         |                  |                 | \$490 246             | Renton. Capital Investment Strategy: Conduct site specific landslide risk<br>assessment study; conduct a feasibility study to evaluate opportunities to<br>modify the Erickson Levee. Pending results of landslide hazard analysis,<br>5 FCD will consider options for a project.  |
| 120 WLFL7 RIVERBEND MHP ACQ   | Cedar          | FCD Acqu/Elev          |                                       | \$5,231,042                         | \$803,455                | \$0               |                   | \$0                         | \$0                     | \$0                |                 | \$0                         |                  |                 |                       | Renton. This project represents the Flood District contribution to a larger<br>project that relocates mobile home park tenants and initiates preliminary<br>engineering design for potential levee setback / realignment to reduce flood<br>heights, velocities and channel migration risk in this reach. Disappropriate<br>remainder after FCD portion of scope is complete.  |
| 121 WLFL7 SR 169 FLOOD REDUCTION  | Cedar          | FCD Const              | \$677,965                             | \$4,885,254                         | \$4,207,289              | \$0               | \$0               | \$0                         | \$0                     | \$0                | \$0             | \$0                         |                  |                 | \$4,885,254           | Renton. Conduct feasibility study in coordination with WSDOT to evaluate<br>flood risk reduction opportunities, such as elevating SR 169, upgrading the<br>local drainage infrastructure, and / or installation of back flow prevention<br>gates. Funding added in 2019 pending FCD decision to move forward with<br>preliminary design.   |
| 122 WLFL7 TABOR-CROWALL-BRODELL 2020 REPAIR<br>123 Cedar-Sammamish Subtotal           | Cedar          | FCD Const              | \$14,499                              | \$617,014                           | \$602,515                | \$635,325         | \$156,483         | \$4,287,000<br>\$15,485,637 | \$36,000<br>\$7,200,077 | \$0<br>\$3,710,000 | \$0             | \$5,114,808<br>\$64,525,880 | \$22,000,000     | \$35,400,000    | \$5,731,822           | Renton. Critical facilities (Utilities, CRT, SR 169). Regional impact extents.<br>Potential human injury from sudden change in conditions. Generally<br>exposed bank along 200 feet - damage likely to occur next major high-flow<br>event.  |
| 124   |                |                        | \$51,218,923                          | \$87,482,304                        | \$30,203,443             | \$22,573,900      | \$12,356,266      | \$15,485,637                | \$7,200,077             | \$3,710,000        | \$3,200,000     | \$04,525,880                | \$22,000,000     | \$35,400,000    | \$209,408,244         | k<br>  |
| 125<br>126 WLFL8 BRISCOE LEVEE SETBACK  | Green          | Agreement              | \$21,348,995                          | \$23,330,271                        | \$1,981,276              | \$0               | \$0               | \$0                         | \$0                     | \$0                | \$0             | \$0                         |                  |                 | \$23,330,271          | Kent. Floodwall construction at four locations completed by the City of Kent.<br>Final expenditures for the remainder of 2017 will include reimbursement for<br>property acquisition and riparian plantings. The revised 2017 financial plan<br>includes revenue of \$4.1 million for the sale of the Rivers Edge Business<br>Park. Per FCD 2016-20 Section 6, this revenue makes expenditure authorit<br>available for the Lower Russell Levee Setback project. The Briscoe project<br>will be closed out once the District's ILA with Kent expires in 2018.  |

|   |       |                 |  | 2021   |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       |  |
|---|-------|-----------------|--|--|--------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|------------------|-----------------|-----------------------|--|
| No. Title                                 | Basin | Type of project | 2020 Inception to<br>Date Expenditure        | Inception to Date                            | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 2027 Forecasted | 6-Year CIP<br>Total | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total | Comments   |
|   |       |                 |  |  |                          | ·                 |                 |                 |                 |                 |                 |                     |                  |                 |                       | Renton. This project will design and build the second phase of renovations<br>to the Black River pump station. Major components include replacement of<br>the control building, replacement of the trash rake system, and replacement  |
| 127 WLFL8 BRPS CONTROL BLDG RPLCMT        | Green | FCD Const       | \$842,416                                    | \$1,002,416                                  | \$160,000                | \$490,862         | \$506,479       | \$3,477,822     | \$971,315       | \$3,898,218     | \$4,015,165     | \$13,359,861        |                  |                 | \$14,362,277          | of the screen spray system.<br>Renton. This project will design and build the fourth phase of renovations to   |
| 128 WLFL8 BRPS FISH PASS IMPRVMNTS        | Green | FCD Const       | \$39,144                                     | \$939,144                                    | \$900,000                | \$1,420,719       | \$3,238,220     | \$9,942,392     | \$10,127,229    | \$61,345        | \$0             | \$24,789,905        |                  |                 | \$25,729,049          | the Black River pump station, revising and replacing the obsolete fish passage systems.  |
| 129 WLFL8 BRPS HIGH-USE ENGINES           | Green | FCD Const       | \$3,782,906                                  | \$6,690,325                                  | \$2,907,419              | \$3,837,828       | \$22,510        | \$0             | \$0             | \$0             | \$0             | \$3,860,338         |                  |                 | \$10,550,663          | Renton. This project will design and build the first phase of renovations to<br>the Black River pump station, replacing the three smaller pump engines<br>which run much more frequently than the other, larger pump engines.  |
| 130 WLFL8 BRPS LARGE ENGINE REPLACEMENT   | Green | FCD Const       |  | \$0  | \$0                      | \$0               | \$0             | \$0             | \$401,193       | \$413,229       | \$6,652,427     | \$7,466,849         |                  |                 | \$7,466,849           | Renton. This project will design and replace the large engines and overhaul<br>the large pumps at the Black River pump station.  |
| 131 WLFL8 BRPS SEISMIC UPGRADES           | Green | FCD Const       |  | \$1,379,170                                  | \$1,379,170              | \$2,397,634       | \$6,978,155     | \$11,592,741    | \$9,252,839     | \$184,481       | \$0             | \$30,405,850        |                  |                 | \$31,785,020          | Renton. This project will strengthen and improve the structure and<br>subsurface soils at the Black River Pump Station.  |
| 132 WLFL8 BRPS SUPPORT SYS UPGRADES       | Green | FCD Const       |  | \$636,540                                    | \$636,540                | \$928,728         | \$225,102       | \$1,616,440     | \$1,664,933     | \$174,483       | \$0             | \$4,609,686         |                  |                 | \$5,246,226           | Renton. This project will design and build the third phase of renovations to<br>the Black River pump station, replacing support systems such as engine<br>control panels, cooling systems, oilers and hoists.  |
| 133 WLFL8 COVINGTON CR BLACK DIAMOND      | Green | Agreement       |  | \$2,293,500                                  | \$2,293,500              | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$2,293,500           | Black Diamond. Remove the three 6-foot diameter culverts where Lake<br>Sawyer flows into Covington Creek and replace with a bridge to eliminate<br>obstructions for water flow and allow passage for migrating salmon.   |
|   |       |                 |  |  |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       | Tukwila. Construct a floodwall to design elevation for 18,800 cfs plus 3 feet<br>of freeboard, repairing slope failures, laying the levee embankment slope<br>back and shifting the levee alignment (and trail) landward where possible.<br>The floodwall will connect previously constructed floodwalls at Desimone |
| 134 WLFL8 DESIMONE MAJOR REPAIR USACE     | Green | Agreement       | \$116,332                                    | \$850,000                                    | \$733,668                | \$6,000,000       | \$6,600,000     | \$20,000,000    | \$6,005,000     | \$15,000        | \$0             | \$38,620,000        |                  |                 | \$39,470,000          | reaches 1 and 2.<br>Auburn: New flood damage repair project. Address scour and bank  |
| 135 WLFL8 DYKSTRA 2022 REPAIR             | Green | FCD Const       |  |  |                          | \$50,000          | \$100,000       | \$250,000       | \$0             | \$0             | \$0             | \$400,000           |                  |                 | \$400,000             | arosion and missing too rock unstroom of 2015 Corps of Engineers ropair  |
| 135 WLFL8 FORT DENT 2020 REPAIR           | Green | FCD Const       | \$13,498                                     | \$250,000                                    | \$236,502                | \$328,710         | \$311,109       | \$2,611,000     | \$6,556         | \$0             | \$0             | \$3,257,375         |                  |                 | \$3,507,375           | trail and regional soccer complex (Starfire) and Tukwila Park. Erosion<br>increases vulnerability to trail and soccer fields.  |
| 136 WLFL8 FORT DENT US 2021 REPAIR        | Green | FCD Const       |  | \$398,825                                    | \$398,825                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$398,825             | Tukwila. This project will repair a damaged section of the levee that was<br>caused by a falling tree and susceptible to further scour and erosion.  |
| 137 WLFL8 GALLI-DYKSTRA 2020 REPAIR       | Green | FCD Const       | \$356,094                                    | \$1,167,211                                  | \$811,117                | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$1.167.211           | Auburn. Complete Phase 1 repair per a request from the City of Auburn.<br>Elevate 3500 feet levee reach to meet FEMA levee certification<br>requirements.  |
| 138 WLFL8 GALLI-DYKSTRA FEASIBILITY       | Green | FCD Const       |  | \$9.940                                      | \$9,940                  | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 |                       | Auburn. Conduct a feasibility study to raise the levee providing 100-year<br>flood protection plus 3 feet of freeboard. Canceled and incorporated into<br>Galli-Dykstra 2020 Repair.   |
| 139 WLFL8 GREEN PRE-CONST ACQ             | Green | FCD Acqu/Elev   | \$4.079,197                                  |  |                          | \$5,000,000       | \$5.000.000     | \$5,000,000     |                 | \$5.000.000     |                 |                     |                  |                 | \$42,577,724          | Auburn, Kent, Renton, Tukwila. This project will acquire strategic real estate<br>upon which future large Flood Control District capital projects are<br>dependent, thereby reducing risks to construction schedules for those   |
| 140 WLFL8 GREEN R IMPROVEMENT 2024        | Green | Agreement       |  | \$0  | \$0                      | \$0               | \$0             | \$100,000       |                 | \$0             |                 | \$100,000           |                  |                 |                       | Auburn. Improve SE Green Valley Road near SE Auburn Black Diamond<br>Road and alleviate roadway flooding by raising the road through the<br>application of a thick layer of overlay.   |
| 141 WLFL8 GREEN R PL84-99 MITIGATN        | Green | FCD Const       | \$5,271,305                                  | \$5,273,368                                  | \$2.063                  | \$0               | \$0             | \$100,000       |                 | \$0             | \$0             | \$0                 |                  |                 | \$5,273,368           | Auburn. This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to maintein clicibility for US Army Corps of Engineers PL 84 00 program  |
|   |       |                 | <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i> | <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i> | ψ2,000                   | φ0                | ψ0              | ψŪ              | ψ0              | ψŪ              | ψ0              | ψŪ                  |                  |                 | ψ0,270,000            | Auburn. This project will address scour damage to the bridge, which is on<br>the primary through route of the Green River Valley Rd. The bridge is also  |
| 142 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.<br>Kent. 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<br>flood risk to the surrounding areas. The project will also raise levee crest<br>elevations to contain the 500-year (0.2% annual chance) flood. This<br>segment of the levee has the lowest factor of safety rating of the Horseshoe      |
| 143 WLFL8 HSB BREDA SETBACK KENT          | Green | Agreement       | \$930,509                                    | \$1,930,509                                  | \$1,000,000              | \$5,200,000       | \$7,900,000     | \$400,000       | \$0             | \$0             | \$0             | \$13,500,000        |                  |                 | \$15,430,509          | Bend levee.<br>Kent. This USACE repair project replaces the SWIF capital project<br>originally planned by the FCD. The repair project is anticipated to stabilize<br>the failure of the levee slope, construct a ring levee around an isolated   |
| 144 WLFL8 HSB MCCOY REALIGNMENT USACE     | Green | Agreement       | \$4,244                                      | \$516,138                                    | \$511,894                | \$0               | \$2,188,106     | \$700,000       | \$0             | \$0             | \$0             | \$2,888,106         |                  |                 | \$3,404,244           | utility, and shift the alignment of the federal levee back to the City of Kent's secondary containment levee.  |
| 145 WLFL8 INTERIM SWIF IMPLEMENTATION     | Green | FCD Const       | \$83,675                                     | \$83,675                                     | \$0                      | \$0               | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                 |                  |                 | \$83.675              | Auburn, Kent, Renton, Tukwila. Coordination and planning activities to<br>implement recommendations of interim SWIF. Maintenance work<br>associated with the interim SWIF is included in the operating budget.   |
| 146 WLFL8 KENT AIRPORT RVTMNT 2022 REPAIR | Green | FCD Const       |  | \$00,010                                     | \$0                      | \$100,000         | \$350,000       | \$0             |                 | \$0             |                 | \$450,000           |                  |                 |                       | Kent: New flood damage repair project. Stabilize over steepened bank and<br>rock revetment that has been undercut by rotational bank failure.  |
|   |       |                 |  |  |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       | Auburn. Contribute the partial cost of a repair (\$500,000) to a \$5 million levee setback project. By relocating the levee, flood risks as well as future   |
|   | Green | Agreement       |  | \$1,850,000                                  | \$1,850,000              | \$0               | \$0             | \$0             |                 | \$0             |                 | \$0                 |                  |                 |                       | repair costs for the Flood Control District are reduced.<br>Kent. Acquisitions by the City of Kent for the Lower Russell levee setback   |
| 147 WLFL8 LOWER RUSSELL ACQ KENT          | Green | Agreement       | \$1,023,656                                  | \$1,123,668                                  | \$100,012                | \$0               | \$0             | \$0             |                 | \$0             |                 | \$0                 |                  |                 | \$1,123,668           | Auburn, Kent, Renton, Tukwila. Lower Green River Corridor Planning and   |
| 148 WLFL8 LWR GRN R CORRIDOR PLAN/EIS     | Green | FCD Const       | \$553,519                                    | \$1,743,249                                  | \$1,189,730              | (\$1,024,730)     | \$0             | \$0             | \$0             | \$0             | \$0             | (\$1,024,730)       |                  |                 | \$718,519             | Environmental Impact Statement.<br>Kent. Remove and replace the existing flood containment system of levee<br>and revetments along the right (east) bank of the Green River between river<br>mile 17.85 (S 212th St) and river mile 19.25 (S 231st Way) in the City of   |
| 149 WLFL8 LWR RUSSELL LEVEE SETBACK       | Green | FCD Const       | \$30,835,317                                 | \$48,960,238                                 | \$18,124,921             | \$7,945,687       | \$130,730       | \$0             | \$0             | \$0             | \$0             | \$8,076,417         |                  |                 | \$57,036,655          | Kent to provide long-term flood protection and improve riparian and aquatic habitat. Increased expenditure authority to match interim SWIF adopted by Board of Supervisors.  |

|   |                |                        | 2000 I I' I                                   | 2021                                | 0001 4 11 11                 | 0000                |                          |                     |                         |                    |                     |                      | 010              | 010             |                       |   |
|---|----------------|------------------------|---|-------------------------------------|------------------------------|---------------------|--------------------------|---------------------|-------------------------|--------------------|---------------------|----------------------|------------------|-----------------|-----------------------|---|
| No. Title   | Basin          | Type of project        | 2020 Inception to<br>Date Expenditure         |                                     | 2021 Available<br>Budget     | 2022<br>Requested   | 2023 Forecasted 2        | 024 Forecasted      | 2025 Forecasted         | 2026 Forecasted    | 2027 Forecasted     | 6-Year CIP<br>Total  | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total | Comments  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Kent. Prepare an analysis and study of design and construction alternatives<br>to provide flood protection, scour protection, enable levee certification and    |
| 150 WLFL8 MILWAUKEE LEVEE #2-KENT   | Green          | Agreement              | \$1,898,921                                   | \$19,400,000                        | \$17,501,079                 | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$19,400,000          | secure necessary land rights.   |
| 151 WLFL8 NEWAUKUM CR FLOOD CONVEYANCE RES                                  | TGreen         | 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.  |
| 152 WLFL8 O'CONNELL REVETMENT 2021 REPAIR                                   | Green          | FCD Const              |   | \$100,000                           | \$100,000                    | \$50,000            | \$350,000                | \$0                 | \$0                     | \$0                | \$0                 | \$400,000            |                  |                 | \$500.000             | Kent: Stabilize the O'Connell revetment slope, and move or replace the road shoulder and guardrail.   |
|   |                |                        |   | \$100,000                           | \$100,000                    | \$00,000            | 4000,000                 | ¢0                  | ţ.                      |                    | <b>\$</b> 0         | \$100,000            |                  |                 |                       | Auburn. This project will conduct a feasibility analysis of channel migration   |
| 153 WLFL8 OLD JEFFS FARM REVETMENT  | Green          | FCD Const              | \$304,577                                     | \$901,721                           | \$597,144                    | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$901,721             | hazards from river mile 21.1 to 21.7. Alternative selection is pending;<br>alternative 1 is assumed as a placeholder.   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Kent. Project is to improve the levee by providing a minimum of 3 feet of<br>freeboard above the predicted 500-year flood event and improve slope               |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | stability. These segments of the Russell Road Upper Levee have over-  |
| 154 WLFL8 RUSSELL RD UPPER KENT   | Green          | Agreement              | \$6,065,056                                   | \$6,082,173                         | \$17,117                     | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$6,082,173           | steepened slopes and therefore lack adequate structural stability to provide adequate safety.   |
| 155 WLFL8 S 106TH ST DRAINAGE IMPVMNT                                       | Green          | Agreement              |   | \$451,000                           | \$451,000                    | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$451.000             | Burien. Replace an existing damaged and undersized pipe that runs under eleven properties to prevent stormwater flooding.                                       |
|   |                | <u> </u>               |   | + • • • • • • • •                   |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Kent. Project provides increased level of protection to 1.5 miles of Lower  |
| 156 WLFL8 SIGNATURE PT REVETMENT KENT                                       | Green          | Agreement              | \$1,482,083                                   | \$29,945,419                        | \$28,463,336                 | \$26,800,000        | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$26,800,000         |                  |                 | \$56,745,419          | Green River Corridor, Alternative selected by Executive Committee   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Kent. Repair of the recent damage to the Titus Pit RB revetment is needed   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | to prevent a potential revetment failure and Green River road collapse. The<br>revetment protects an adjacent King County arterial road and utilities (such     |
| 157 WLFL8 TITUS PIT RVTMNT 2018 REPAIR                                      | Green          | Agreement              | \$167,738                                     | \$167,738                           | \$0                          | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$167,738             | as water, natural ass, tolocommunication and newer) under the read  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Tukwila. This project will construct a facility to bring this levee segment in<br>compliance with certification requirements for structural stability and raise |
| 158 WLFL8 TUK-205 GUNTER FLOODWALL  | Green          | FCD Const              | \$198,446                                     | \$11,423,000                        | \$11,224,554                 | \$3,075,336         | \$1,230,114              | \$34,993,637        | \$0                     | \$0                | \$0                 | \$39,299,087         |                  |                 | \$50,722,087          | the levee to roughly the 500 year event.  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Tukwila. This project will construct a 0.15 mile floodwall and sloped<br>embankment to protect adjacent businesses from flooding. The floodwall                 |
| 159 WLFL8 TUK-205 RATOLO FLOODWALL  | Green          | FCD Const              |   | \$0                                 | \$0                          | \$0                 | \$1,500,000              | \$300,000           | \$0                     | \$0                | \$0                 | \$1,800,000          |                  |                 | \$1 800 000           | alignment (including embankment slope, factors of safety, and necessary<br>real estate) will be finalized during the project design phase.                      |
| 139 WLFL8 TUK-205 RATOLO FLOODWALL  | Green          | FCD Collst             |   | <del>۵</del> 0                      | <u>۵</u> ۵                   | <del>م</del> 0      | \$1,500,000              | \$300,000           | \$U                     |                    | <u>۵</u> ۵          | \$1,800,000          |                  |                 | \$1,800,000           | 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;                  |
|   |                |                        | <b>AA</b> <i>L</i> <b>F</b> <i>L</i> <b>F</b> | <b>a</b> a <b>a</b> (a a a a a      | <b>*</b>                     |                     | <b>AA</b> ( <b>AA AA</b> |                     | <b>*</b> ( ) <b>* *</b> |                    |                     | AT 500 500           |                  |                 |                       | this allocation is the local share of 1/3 of total cost. Requires cooperation   |
| 160 WLFL8 TUK-205 USACE GACO-SEGALE   | Green          | Agreement              | \$945,745                                     | \$9,716,822                         | \$8,771,077                  | \$3,959,599         | \$3,493,000              | \$60,000            | \$11,000                | \$0                | \$0                 | \$7,523,599          |                  |                 | \$17,240,421          | agreement.<br>Tukwila. Erosion and slumping of Tukwila Trail revetment caused by the  |
| 161 WLFL8 TUKWILA RVTMT 2019 REPAIR   | Green          | FCD Const              | \$411.134                                     | \$500,000                           | \$88.866                     | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$500.000             | recent Green River flood resulted in approximately 200 feet of damage to the revetment.   |
|   |                |                        |   | . ,                                 |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Seattle. This project will replace an aging and undersized creek culvert  |
| 162 WLFLS PUGET WAY CULVERT   | Seattle        | Agreement              | \$1,541,952                                   | \$1,800,000                         | \$258,048                    | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$1,800,000           | under Puget Way SW in Seattle.<br>Seattle. The South Park Drainage Conveyance Improvements Project will   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | install a formal conveyance system in the streets, to get flows to the pump   |
| 163 WLFLS S PARK DRAINAGE IMPROVEMENTS                                      | Seattle        | Agreement              | \$6,032,914                                   | \$10,075,000                        | \$4,042,086                  | \$7,030,000         | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$7,030,000          |                  |                 | \$17,105,000          | station. The conveyance improvements will work in conjunction with the Pump Station.  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Seattle. Cost-share construction of pump station to reduce flooding in<br>industrial area. Allocation of funds by year may be revised based on                  |
|   |                |                        | <b>*</b> - <b>-</b> - <b>-</b>                | <b>A</b> A <b>F</b> A <b>F A</b> AA | A / 7 / 7 000                |                     |                          |                     | <b>^</b>                |                    |                     |                      |                  |                 |                       | updated project schedule. Implemented by the City of Seattle. Expenditure   |
| 164 WLFLS SOUTH PARK PUMPSTATION<br>165 Green-Duwamish Subtotal             | Seattle        | Agreement              | \$1,787,318<br>\$90,164,213                   | \$6,505,000<br>\$210,288,784        | \$4,717,682<br>\$120,124,569 | \$0<br>\$73,590,373 | \$0<br>\$40,123,525      | \$0<br>\$91,044,032 | \$0<br>\$33,440,065     | \$0<br>\$9,746,756 | \$0<br>\$15,667,592 | \$0<br>\$263,612,343 | \$0              | \$0             |                       | forecast to be updated based on current project schedule.   |
| 166<br>167  |                |                        |   |                                     |                              | \$0<br>\$0          |                          |                     |                         |                    |                     |                      |                  |                 |                       |   |
|   |                |                        |   | \$0                                 |                              |                     | <b>\$</b> 0              |                     | \$100.000               |                    |                     | <b>\$100.000</b>     |                  |                 | <b></b>               | Enumclaw. Improve the drainage system to alleviate neighborhood flooding.<br>May require improvements outside of the road right-of-way.                         |
| 168WLFL9 212TH AVE SE @ SR 164 FLD IMPRVMNT169WLFL9 212TH AVE SE MITIGATION | Green<br>White | Agreement<br>Agreement |   | \$0<br>\$65,000                     | \$0<br>\$65,000              | \$0<br>\$0          | \$0<br>\$0               | \$0<br>\$0          | \$190,000<br>\$0        | \$0<br>\$0         | \$0<br>\$0          | \$190,000<br>\$0     |                  |                 |                       | Enumclaw. TBD   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Enumclaw. Park is split by the White River; acquire undevelopable and<br>inaccessible southern portion of park in Pierce County from the City of                |
| 170 WLFL9 ANDERSON PARK ACQUISITION   | White          | FCD Acqu/Elev          |   | \$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 the Cities of Pacific and Algona by addressing backwatering and drainage          |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | problems in Government Canal from high river flows. The project will design<br>and permit a stormwater pump station which will significantly reduce flood       |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | risks to approximately five hundred homes and businesses. The completed   |
| 171 WLFL9 BUTTE AVE FLOOD MITIGATION  | White          | Agreement              | \$226,633                                     | \$226,633                           | \$0                          | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$226,633             | project will also reduce long-term road closures that have occurred in the past due to flooding.  |
| 172 WLFL9 CHARLIE JONES DS CULVERT  | White          | Agreement              | , .,  | \$0                                 | \$0                          | \$45,000            | \$555,000                | \$1,000,000         | \$50,000                | \$0                |                     | \$1,650,000          |                  |                 |                       | Auburn. This project will analyze culvert replacement and road-raising<br>options and implement the preferred option.   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Auburn. This project will analyze culvert replacement and road-raising  |
| 173 WLFL9 CHARLIE JONES US CULVERT  | White          | Agreement              | \$271,852                                     | \$747,666                           | \$475,814                    | \$188,186           | \$47,000                 | \$10,000            | \$0                     | \$0                | \$0                 | \$245,186            |                  |                 | \$992,852             | poptions and implement the preferred option.  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Pacific. Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 million       |
| 174 WLFL9 COUNTYLINE TO A STREET  | White          | FCD Const              | \$23,890,826                                  | \$23,926,129                        | \$35,303                     | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$23,926,129          |   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Pacific. Construct a new levee setback in the City of Pacific, extending from<br>BNSF railroad bridge embankment to endpoint at Butte Ave. by White River       |
| 175 WLFL9 RIGHT BANK LEVEE SETBACK  | White          | FCD Const              | \$14,157,783                                  | \$15,407,589                        | \$1,249,806                  | \$583,755           | \$1,848,752              | \$7,047,482         | \$6,811,257             | \$135,941          | \$0                 | \$16,427,187         |                  |                 | \$31,834,776          | Estates neighborhood.   |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | Greenwater. In mid-2018 budget reallocation, funding was authorized to  |
|   |                |                        |   |                                     |                              |                     |                          |                     |                         |                    |                     |                      |                  |                 |                       | acquire a vacant property located outside flood hazard area on the north side of Highway 410. Subsequent site visits identified multiple unpermitted            |
|   |                |                        | A   | A 10                                |                              |                     |                          |                     | <u>.</u>                |                    |                     |                      |                  |                 |                       | structures and a well; additional funding necessary to complete demolition<br>and asbestos abatement at a remote and inaccessible location.                     |
| 176 WLFL9 SLIPPERY CREEK ACQ  | White          | FCD Acqu/Elev          | \$116,261                                     | \$180,000                           | \$63,739                     | \$0                 | \$0                      | \$0                 | \$0                     | \$0                | \$0                 | \$0                  |                  |                 | \$180,000             |   |

| No. Title  | Basin      | Type of project | 2020 Inception to<br>Date Expenditure |                | 2021 Available<br>Budget | 2022<br>Requested | 2023 Forecasted | 2024 Forecasted | 2025 Forecasted | 2026 Forecasted | 2027 Forecasted | 6-Year CIP<br>Total | CIS<br>Year 7-10 | CIS<br>10+ Year | Project Life<br>Total | Comments   |
|--|------------|-----------------|---------------------------------------|----------------|--------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------|------------------|-----------------|-----------------------|--|
| 177 WLFL9 STUCK R DR 2019 REPAIR                 | White      | FCD Const       | \$580.294                             | \$815.294      | \$235.000                | \$5.000           | \$0             | \$0             | \$0             | \$0             | *0              | \$5.000             |                  |                 | \$820.294             | Auburn. Loss of facing rock along 130' of the lower half of the embankment.<br>Some of the gravel fill under the rock has eroded as well, leaving a near-<br>vertical face supporting the rock remaining on the upper slope. The rock<br>that slid down is currently providing scour protection at the toe.                |
| 178 WLFL9 STUCK R DR FLOOD PROTECTION            | White      | FCD Const       | \$360,294                             | φο15,294<br>¢0 | \$235,000<br>¢0          | 35,000<br>\$0     | \$0             | \$U<br>\$0      | \$0             | \$0             | \$0             | \$5,000             |                  |                 | \$0E0;E0              | 0 Auburn, TBD  |
| 179 White Subtotal                               | VVIIILE    | FCD Const       | \$39,243,649                          | \$41,468,311   | \$2,224,662              | \$821,941         | \$2,450,752     | \$8.057.482     | \$7.051.257     | \$135,941       | \$1,000,000     | \$19.517.373        | \$0              | \$0             | \$60,985,684          |  |
|  | -          |                 | \$39,243,049                          | φ41,400,311    | φ2,224,002               | φ021,941          | φ2,400,702      | \$0,037,402     | φ1,001,201      | \$155,941       | \$1,000,000     | \$19,017,070        | φU               | φυ              | \$00,965,064          | 4  |
| 180  | -          |                 |                                       |                |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       |  |
| 181<br>182 WLFLG COASTAL EROSION/FLOODING GRANTS | Countywide | Grant           |                                       | \$3,000,000    | \$3,000,000              | \$3,075,449       | \$3,152,795     | \$3,232,086     | \$3,313,372     | \$3,396,702     | \$3,482,128     | \$19,652,532        |                  |                 | \$22,652,532          | Focuses on mapped coastal flood hazard areas to increase resiliency to sea<br>level rise in coastal flood hazard areas by restoring shorelines and<br>retrofitting or relocating infrastructure out of flood-prone areas to reduce<br>risk.  |
| 183 WLFLG CULVERT & FISH PASSAGE GRANTS          | Countywide | Grant           |                                       | \$3,000,000    | \$3,000,000              | \$3,075,449       | \$3,152,795     | \$3,232,086     | \$3,313,372     | \$3,396,702     | \$3,482,128     | \$19,652,532        |                  |                 | \$22,652,532          | Reduces flooding and improves fish passage and water quality by replacing<br>and/or removing culverts or other blockages to fish passage. This program<br>will focus on accelerating replacement or removal of culverts that address<br>both significant flood risks to critical infrastructure, and restore fish passage. |
| 184 WLFLG FLOOD REDUCTION GRANTS                 | Countywide | Grant           | \$13,907,874                          | \$26,732,458   | \$12,824,584             | \$3,075,449       | \$3,152,795     | \$3,232,086     | \$3,313,372     | \$3,396,702     | \$3,482,128     | \$19,652,532        |                  |                 | \$46,384,990          | Competitive grant program for flood reduction projects. Increases as a<br>0 proportion of total FCD tax revenue.   |
| 185 WLFLG URBAN STREAMS GRANTS                   | Countywide | Grant           |                                       | \$3,000,000    | \$3,000,000              | \$3,075,449       | \$3,152,795     | \$3,232,086     | \$3,313,372     | \$3,396,702     | \$3,482,128     | \$19,652,532        |                  |                 | \$22,652,532          | Invests in urban flooding projects that reduce risks to people, property, and public infrastructure.   |
| 186 WLFLG WRIA GRANTS                            | Countywide | Grant           | \$30,406,157                          | \$51,686,674   | \$21,280,517             | \$10,007,902      | \$10,259,596    | \$10,517,620    | \$10,782,133    | \$11,053,299    | \$11,331,285    | \$63,951,835        |                  |                 | \$115,638,509         | Cooperative Watershed Management Grant Program; priorities<br>recommended by watershed groups. Increase based on assumed inflation<br>9 rate.  |
| 187 WLFLM EFFECTIVENESS MONITORING               | Countywide | FCD Const       | \$3,762,973                           | \$5,455,622    | \$1,692,649              | \$850,701         | \$1,191,950     | \$1,064,100     | \$815,500       | \$628,200       | \$608,500       | \$5,158,951         |                  |                 | \$10,614,573          | Evaluation of capital projects to determine effectiveness and identify project design improvements.  |
| 188 WLFLO SUBREGNL OPPRTNTY FUND                 | Countywide | Grant           | \$46,215,045                          | \$67,376,883   | \$21,161,837             | \$6,092,142       | \$6,170,764     | \$6,247,632     | \$6,324,334     | \$6,408,362     | \$0             | \$31,243,234        |                  |                 | \$98,620,117          |  |
| 189 WLFLX CENTRAL CHARGES                        | Countywide | FCD Const       | \$864,056                             | \$1,111,493    | \$247,437                | \$100,000         | \$100,000       | \$100,000       | \$100,000       | \$100,000       | \$100,000       | \$600,000           |                  |                 | \$1,711,493           | 3 Central charges related to the FCD's capital fund.   |
| 190 WLFLX CONST MATERIALS STOCKPILE              | Countywide | FCD Const       | \$149,992                             | \$500,000      | \$350,008                | \$0               |                 | \$0             | \$0             |                 | \$0             | \$0                 |                  |                 |                       | 0 Stockpile material for future flood damage repairs.  |
| 191 WLFLX FLOOD EMERGENCY CONTGNCY               | Countywide | FCD Const       | \$419,042                             | \$1,669,042    | \$1,250,000              | \$0               |                 | \$250,000       | \$250,000       | \$250,000       | \$250,000       | \$1,250,000         |                  |                 |                       | 2 Contingency for emergency response actions during a flood event.   |
| 192 Countywide Subtotal                          |            |                 | \$95,725,139                          | \$163,532,172  | \$67,807,032             | \$29,352,541      | \$30,583,490    | \$31,107,696    | \$31,525,455    | \$32,026,669    | \$26,218,297    | \$180,814,148       | \$0              | \$0             | \$344,346,320         | 0  |
| 193  |            |                 |                                       |                |                          |                   |                 |                 |                 |                 |                 |                     |                  |                 |                       |  |
| 194 Grand Total                                  |            |                 | \$347,765,290                         | \$603,224,971  | \$255,459,681            | \$139,447,026     | \$108,737,986   | \$169,269,451   | \$108,941,066   | \$70,322,774    | \$55,268,915    | \$651,987,218       | \$125,450,000    | \$121,300,000   | \$1,501,962,188       | 8  |