## King County Flood Control District

## 2018 - 2023 Six-Year CIP Project Allocations

Attachment H

2015-2016 Flood Damage Repairs

Grant/External Funding

Cost Share

2017 Mid-Year Revision

King County Road Services Division Projects

|                                        |                |                                        |                     |                          |                          |                  |                                       |                   | King County Road           | Services Division I | rojects           |                     |                               |                                                                                                                                                                                                                                                                         |
|----------------------------------------|----------------|----------------------------------------|---------------------|--------------------------|--------------------------|------------------|---------------------------------------|-------------------|----------------------------|---------------------|-------------------|---------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        |                |                                        |                     | 2017                     |                          |                  |                                       |                   |                            |                     |                   |                     |                               |                                                                                                                                                                                                                                                                         |
|                                        |                |                                        | 2016 Inception to   | Revised                  | 0047 Available           | 0040             | 0040                                  | 0000              | 0004                       | 0000                | 0000              | C Vana OID          | Desirat Life                  |                                                                                                                                                                                                                                                                         |
| No. Title                              | Basin          | Type of project                        | Date<br>Expenditure | Inception to Date Budget | 2017 Available<br>Budget | 2018             | 2019<br>Projected                     | 2020<br>Projected | 2021<br>Projected          | 2022<br>Projected   | 2023<br>Projected | 6-Year CIP<br>Total | Project Life<br>Total         | Comments                                                                                                                                                                                                                                                                |
| No. Title                              | Dasin          | Type of project                        | Expenditure         | Date Budget              | buaget                   | Requested        | Projected                             | Projected         | Projected                  | Projected           | Projected         | Total               | Total                         | Damage to revetment. Very large rock removed from revetment, vertical banks and exposed subgrade in several locations totaling                                                                                                                                          |
| 1 WLFL0 MILLER R RD RVTMNT 2016 REPAIR | SF Skykomish   | WLR Const                              | \$1,409             | \$760,799                | \$759,390                | (\$334,425)      | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | (\$334,425)         | \$426 374                     | approximately 350 feet of damage. If not repaired, Miller River Road could be severely damaged.                                                                                                                                                                         |
| 2 WLFL0 SKYKOMISH HOME BUYOUTS         | SF Skykomish   | WLR Acqu/Elev                          | \$380               |                          | \$0                      | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | ( , , - /           |                               | Acquisition of at-risk single family homes in the Town of Skykomish.                                                                                                                                                                                                    |
|                                        | - Criginalina  |                                        | 7.5.5               | ,,,,,                    | **                       | **               | , , , , , , , , , , , , , , , , , , , | **                |                            | **                  |                   | 1                   | 4000                          | This project will elevate or buyout individual structures in the South Fork Skykomish Basin to eliminate the risk of flooding or erosion                                                                                                                                |
| 3 WLFL0 SF SKYKMSH REP LOSS MIT        | SF Skykomish   | WLR Acqu/Elev                          | \$295,404           | \$690,838                | \$395,434                | \$54,566         | \$0                                   | \$0               | \$0                        | \$0                 | \$119,405         | \$173,971           | \$864,809                     | damage during future flood events.                                                                                                                                                                                                                                      |
|                                        |                | ·                                      |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | This project would improve infrastructure at the mouth of Maloney Creek and on the SF Skykomish River to reduce the frequency of                                                                                                                                        |
| 4 WLFL0 SKY W RVR DR FLOOD STUDY       | SF Skykomish   | WLR Const                              | \$2,475             | \$81,237                 | \$78,762                 | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$81,237                      | flooding of homes and property within the Town of Skykomish.                                                                                                                                                                                                            |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Approximately 50-foot-long section of missing armor rock immediately downstream of the bridge. Further flooding may compromise or                                                                                                                                       |
| 5 WLFL0 SKYKOMISH LB DOWN 2016 REPAIR  | SF Skykomish   | WLR Const                              | \$61,767            | \$150,000                | \$88,233                 | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$150,000                     | severly damage facility.                                                                                                                                                                                                                                                |
|                                        |                |                                        | 4                   |                          | <b>.</b>                 |                  |                                       |                   |                            |                     |                   |                     |                               | Three pockets of missing armor rock: 15, 10 and 75 feet wide and eroded topsoil from upper sections of levee. Further flooding may                                                                                                                                      |
| 6 WLFL0 SKYKOMISH LB UP 2016 REPAIR    | SF Skykomish   | WLR Const                              | \$7,658             | \$309,433                | \$301,775                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$309,433                     | compromise or severely damage facility.                                                                                                                                                                                                                                 |
| 7 MUELO TIMPED LA EDOCAL BUIVOUTO      | OF Obstantials | \\\\ D \\ \ \ \ \ \\\\\\\\\\\\\\\\\\\\ | Φ4 574 070          | \$2,586,513              | <b>04.045.040</b>        | \$223,361        | ¢o.                                   | <b>C</b> O        | ¢o.                        | ¢o.                 | ¢o.               | \$000.004           | <b>CO 000 074</b>             | This project will continue to acquire and remove homes along a stretch of the Skykomish River that are endangered by erosive forces as                                                                                                                                  |
| 7 WLFL0 TIMBER LN EROSN BUYOUTS        | SF Skykomish   | WLR Acqu/Elev                          | \$1,571,273         | \$2,586,513              | \$1,015,240              | \$223,361        | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$223,361           | \$2,809,874                   | well as inundation in some places.                                                                                                                                                                                                                                      |
| 8 WLFL0 TIMBERLANE 2016 REPAIR         | SF Skykomish   | WLR Const                              | \$11,040            | \$52,500                 | \$41,460                 | (\$36,460)       | \$20,000                              | \$20,000          | \$20,000                   | \$20,000            | \$0               | \$43,540            | \$96,040                      | Old privately built facility in Timberlane Village on County property. Riverside rockery walls continue to oversteepen, settle and fall into the                                                                                                                        |
| O WEI EO TIIVIDEREANE 2010 REI AIR     | Or Okykornish  | VVEIX CONST                            | ψ11,040             | ψ02,000                  | φ+1,+00                  | (ψου, του)       | Ψ20,000                               | Ψ20,000           | Ψ20,000                    | Ψ20,000             | ΨΟ                | ψ+3,5+0             | ψ50,040                       |                                                                                                                                                                                                                                                                         |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | FCD-requested project to reduce neighborhood isolation from flooding. Develop a set of alternatives for improvements to 428th Avenue                                                                                                                                    |
| 9 WLFL1 428TH AVE SE BR FEASIBILITY    | Upper Snog     | WLR Const                              | \$168,614           | \$300,000                | \$131,386                | (\$31,386)       | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | (\$31,386)          | \$268,614                     | SE, SE 92nd Street, and Reinig Road to reduce the frequency of community isolation caused by floodwaters overtopping these roadways.                                                                                                                                    |
|                                        |                |                                        | 4.00,000            | <b>4</b> ,               | <b>+</b> 10 1,000        | (401,000)        | ***                                   | 7.                | 7.                         | 7.                  | **                | (40.1000)           | <del>+</del> ,                | Ensure eleven South Fork Snoqualmie River levees meet the standards of the US Army Corps of Engineers PL 84-99 program in order to                                                                                                                                      |
| 10 WLFL1 USACE PL 84-99 SF SNO         | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$150,223        | \$183,154                             | \$352,868         | \$363,454                  | \$0                 | \$0               | \$1,049,698         | \$1,049,698                   | receive future assistance from the Corps in the event of flood damage to the levees                                                                                                                                                                                     |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Six levee deficiencies have been identified in this leveed segment. The project will design and reconstruct the impaired segment of levee                                                                                                                               |
| 11 WLFL1 SF SNO LEVEE REMEDIATION      | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$295,673        | \$374,439                             | \$727,790         | \$749,623                  | \$0                 | \$0               | \$2,147,526         | \$2,147,526                   | in place.                                                                                                                                                                                                                                                               |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Address flooding from Ribary Creek at Bendigo Blvd in North Bend as the Snoqualmie levees prevent drainage to the river during high                                                                                                                                     |
| 12 WLFL1 RIBARY CREEK                  | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$0              | \$636,492                             | \$815,106         | \$2,338,618                | \$2,408,777         | \$0               | \$6,198,993         | \$6,198,993                   |                                                                                                                                                                                                                                                                         |
|                                        |                |                                        |                     | .                        |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Conduct a feasibility study to determine ways of preventing the overtopping of the Reif Rd Levee. Potential solutions include: repair and/or                                                                                                                            |
| 13 WLFL1 REIF RD LEVEE IMPROVEMENTS    | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$0              | \$0                                   | \$265,438         | \$318,421                  | \$385,937           | \$457,218         | \$1,427,015         | \$1,427,015                   | raise levee in place / setback levee / gravel removal / home elevations.                                                                                                                                                                                                |
| AA WALELA OLDOLE DVD DANOU DIOK DED    |                | MILE Const                             | 004.005             | <b>#450.000</b>          | <b>405 775</b>           | <b>4070 505</b>  | <b>0540.400</b>                       | <b>A4 000 450</b> | <b>A</b> 4 <b>7</b> 00 000 |                     | •                 | <b>*</b> 400 000    | <b>#</b> 4.000.000            | This project will determine a preferred action to reduce long term risks from channel migration in the Circle River Ranch Neighborhood on                                                                                                                               |
| 14 WLFL1 CIRCLE RVR RANCH RISK RED     | Upper Snoq     | WLR Const                              | \$64,225            | \$150,000                | \$85,775                 | \$278,505        | \$513,426                             | \$1,608,159       | \$1,738,003                | \$0                 | \$0               | \$4,138,093         | \$4,288,093                   | the South Fork Snoqualmie River. Being conducted concurrent with South Fork Snoqualmie Corridor Plan.                                                                                                                                                                   |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Large scour hole in bank at upstream end of Mason Thorson Extension rock-faced levee. Significant settlement and displacement of face                                                                                                                                   |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | rock at upstream end of facility. Scour hole in bank threatens to end-run facility and damage adjacent private property. Damage to levee                                                                                                                                |
| 15 WLFL1 MASON THRSN EXT 2016 REPAIR   | Upper Snog     | WLR Const                              | \$0                 | \$240,000                | \$240,000                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$240.000                     | face-rock compromises levee integrity and may lead to progressive failure, especially at upstream end.                                                                                                                                                                  |
| 16 WLFL1 MF SNO CORRIDOR IMP           | Upper Snog     | WLR Const                              | \$954               | \$1,100,000              | \$1,099,046              | \$0<br>\$0       | \$2,243,361                           | \$1,591,350       | \$1,311,272                | \$0<br>\$0          | \$0               | \$5,145,983         | +                             | Placeholder for corridor plan implementation project(s)                                                                                                                                                                                                                 |
| 17 WLFL1 MF SNO CORRIDOR PLAN          | Upper Snog     | WLR Const                              | \$1,310,605         | \$1,824,912              | \$514,307                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | . , ,               | . , ,                         | Middle Fork Snoqualmie Corridor Planning, scheduled for completion in 2018.                                                                                                                                                                                             |
|                                        | орран ана ц    |                                        | <b>4</b> 1,0 10,000 | ψ 1,02 1,0 12            | φοι ι,σοι                | **               | <b>4</b> 0                            | <b>*</b>          | 4.0                        | ***                 | ***               | 1                   | ψ 1,0 <u>=</u> 1,0 1 <u>=</u> | The North Fork Bridge was originally built in 1951 and is extreamely vulnerable to scour as the channel thalweg migrates. In order to keep                                                                                                                              |
| 18 WLFL1 NORTH FORK BRIDGE 2016 REPAIR | Upper Snoq     | WLR Const                              | \$111               | \$385,000                | \$384,889                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$385,000                     | the bridge safe and reliable during a flood, it is important to protect the piers and abutments from scour failure.                                                                                                                                                     |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   | ·                          |                     |                   |                     |                               | Length 50-80 feet. Face rock has appeared to have settled 1-2 feet exposing core material above near upper part of levee face. Larger                                                                                                                                   |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | face rock missing in pockets upstream end of this damage site. Continued damage could compromise facility which provides flood                                                                                                                                          |
| 19 WLFL1 REIF RD 2016 REPAIR           | Upper Snoq     | WLR Const                              | \$0                 | \$253,000                | \$253,000                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$0                 | \$253,000                     | protection for several residences landward of the facility.                                                                                                                                                                                                             |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Repair three primary damage sites just upstream and directly across from the South Fork Snoqualmie confluence totalling ~285 lineal feet.                                                                                                                               |
| 20 WLFL1 REINIG RD RVTMNT 2016 REPAIR  | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$1,500,000      | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$1,500,000         | \$1,500,000                   |                                                                                                                                                                                                                                                                         |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Repair downstream 200 lineal feet of facility which is missing face rock and toe rock. A significant scour hole has formed around a City of                                                                                                                             |
| 24 WILE A DECORD OFFICE 2046 DEDAIR    | Linnar Char    | WI D Const                             | Φ0                  | <b>60</b>                | <b>*</b> 0               | <b>\$250,000</b> | ¢404.000                              | <b>*</b> 0        | ΦO.                        | ¢o.                 | <b>C</b> O        | ¢774 000            | ¢774 000                      | Snoqualmie stormwater outfall pipe at the downstream end of facility. Potential erosion impact to Park Ave SE in City of Snoqualmie, an                                                                                                                                 |
| 21 WLFL1 RECORD OFFICE 2016 REPAIR     | Upper Snoq     | WLR Const                              | Φ0                  | \$0                      | \$0                      | \$350,000        | \$421,000                             | \$0               | Φ0                         | Φ0                  | \$0               | \$771,000           | \$771,000                     | area included in the City's planned "Riverwalk" park and trail project.  Project identified by Board to alleviate potential flooding of I-90 in North Bend. Currently evaluating project alternatives, including levee                                                  |
| 22 WLFL1 SF SNO CORR EARLY ACTION      | Upper Snog     | WLR Const                              | \$1,373,089         | \$5,562,744              | \$4,189,655              | (\$4.039.655)    | 0.2                                   | \$0               | 0.2                        | 90                  | \$0               | (\$4.039.655)       | \$1 523 080                   | setback and gravel removal.                                                                                                                                                                                                                                             |
| 23 WLFL1 SF SNO CORRIDOR IMP           | Upper Snog     | WLR Const                              | \$0                 | \$130,771                | \$130,771                | (\$57.971)       | \$0<br>\$0                            | \$0               | \$0                        | \$0                 | \$0               | (4.,000,000)        | . , ,                         | Placeholder for corridor plan implementation project(s)                                                                                                                                                                                                                 |
| 24 WLFL1 SF SNO CORRIDOR PLAN          | Upper Snoq     | WLR Const                              | \$2,472,914         | \$2,682,914              | \$210,000                | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | ( , , , , ,         |                               | SF Snoqualmie Corridor planning process and development of capital investment strategy.                                                                                                                                                                                 |
|                                        |                |                                        | + / /-              | + , ,-                   | + -,                     | * -              | , -                                   | * -               | * -                        | * -                 | * -               | , ,                 | + / /-                        | Total breach of levee - erosion and lateral channel migration is ongoing. No immediately adjacent private property or infrastructure.                                                                                                                                   |
| 25 WLFL1 SHAKE MILL LB 2016 REPAIR     | Upper Snoq     | WLR Const                              | \$0                 | \$800,000                | \$800,000                | (\$200,000)      | \$923,239                             | \$0               | \$0                        | \$0                 | \$0               | \$723,239           | \$1,523,239                   | Continued erosion could threaten 428th Ave embankment or bridge.                                                                                                                                                                                                        |
|                                        |                |                                        |                     |                          |                          | ·                |                                       |                   |                            |                     |                   |                     |                               | 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                                                                                                                          |
| 26 WLFL1 SHAKE MILL RB 2016 REPAIR     | Upper Snoq     | WLR Const                              | \$0                 | \$197,500                | \$197,500                | \$172,899        | \$447,676                             | \$0               | \$0                        | \$0                 | \$0               | \$620,575           | \$818,075                     |                                                                                                                                                                                                                                                                         |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Repair approximately 25 lineal feet of the facility with missing toe rock and shallow scour scallop into bank that is approximately 1-2 feet                                                                                                                            |
| 07 IMI ELA OLIVIEM DIMA 0047 DEDAID    |                | MILD Const                             |                     | Φ0                       | Φ0                       | Фооо ооо         | 00                                    | Φ0                | 40                         | 00                  |                   | <b>#</b> 000 000    | <b>#</b> 000 000              | deep. Si View Levee is a relatively short flood containment levee that protects 50+ homes in the Si View Park Neighborhood of North                                                                                                                                     |
| 27 WLFL1 SI VIEW RM4 2017 REPAIR       | Upper Snoq     | WLR Const                              | \$0                 | \$0                      | \$0                      | \$209,000        | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$209,000           | \$209,000                     | Bend from flooding.                                                                                                                                                                                                                                                     |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Placeholder funding to partner with WSDOT to expand bridge SR202 opening over South Fork Snoqualmie and Ribary Creek to improve conveyance and reduce upstream flood impacts. Supported by North Bend. Requires state or federal funding. Relative contribution of this |
| 28 WLFL1 SR202 SF BRIDGE LENGTHEN      | Upper Snog     | WLR Const                              | \$0                 | \$0                      | 90                       | \$0              | 0.2                                   | \$0               | 0.2                        | 90                  | \$100,000         | \$100,000           | \$100,000                     | project is being evaluated in the SF Snoqualmie Corridor Plan.                                                                                                                                                                                                          |
| 20 WEI ET GREEZ OF BRIDGE LENGTHEN     | Оррегоноч      | VVER CONST                             | ΨΟ                  | ΨΟ                       | ΨΟ                       | ΨΟ               | ΨΟ                                    | ΨΟ                | ΨΟ                         | ΨΟ                  | ψ100,000          | φ100,000            | ψ100,000                      | 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                                                                                                                                 |
| 29 WLFL1 TATE CRK BRIDGE FEASIBILITY   | Upper Snog     | Agreement                              | \$0                 | \$0                      | \$0                      | \$0              | \$0                                   | \$0               | \$0                        | \$0                 | \$150,000         | \$150,000           | \$150,000                     |                                                                                                                                                                                                                                                                         |
|                                        |                | Ĭ.                                     |                     |                          |                          |                  |                                       |                   | ·                          |                     |                   |                     | ,                             | Flood demand vancing from January 2015 flood exert Jacobians include Mason Thomas File and Mason Thomas Futuraism (Middle Forly                                                                                                                                         |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Flood damage repairs from January 2015 flood event. Locations include Mason-Thorson Ells and Mason-Thorson Extension (Middle Fork Snoqualmie); North Park (North Fork Snoqualmie); and Record Office, Meadowbrook, and Railroad (Snoqualmie mainstem).                  |
| 30 WLFL1 UPPER SNOQ 2015 FLOOD REPAIR  | Upper Snoq     | WLR Const                              | \$5,673             | \$1,465,673              | \$1,460,000              | \$15,450         | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$15,450            | \$1,481,123                   | Shoquaimie); North Park (North Fork Shoquaimie); and Record Office, Meadowbrook, and Railroad (Shoquaimie mainstem).                                                                                                                                                    |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | This project will continue to acquire or elevate flood-prone structures in the Upper Snoqualmie basin to reduce the risk of flood, erosion,                                                                                                                             |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | and channel migration damage. Partnership with Cities of Snoqualmie and North Bend. As of May 2016 260 remain to be elevated or                                                                                                                                         |
| 31 WLFL1 UPR SNO RES FLD MITIGTN       | Upper Snoq     | WLR Acqu/Elev                          | \$9,163,547         | \$11,971,284             | \$2,807,737              | \$1,454,158      | \$2,412,151                           | \$2,484,516       | \$2,559,051                | \$2,635,823         | \$0               | \$11,545,699        | \$23,516,983                  | acquired. This amount assumes 10-12 home elevations per year.                                                                                                                                                                                                           |
|                                        | 1              |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | Repair approximately 200 feet of revetment. Dutchman Road in this location provides the sole access to residences and business on the                                                                                                                                   |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               | west side of the Snoqualmie Valley downstream of Duvall. Continued erosion of the revetment could result in erosion of the road (West                                                                                                                                   |
| 22 WI ELS DUTCHMAN DE DEDAIR           | Louis Casa     | WI D Comet                             |                     | <b>#000 044</b>          | <b>6000 044</b>          | <b>#000.070</b>  | Φ0                                    | 40                | Φ0                         | φ0                  | <b></b>           | <b>6000 070</b>     | ФE 40 E00                     | Snoqualmie Valley Road NE) which would severely limit access to the downstream property owners during or following a flood event.                                                                                                                                       |
| 32 WLFL2 DUTCHMAN RD REPAIR            | Lower Snoq     | WLR Const                              | \$0                 | \$209,914                | \$209,914                | \$338,679        | \$0                                   | \$0               | \$0                        | \$0                 | \$0               | \$338,679           | \$548,593                     | The foundation of the main-span pier is exposed and is vulnerable to destabilization during a flood. Add scour mitigation measures to                                                                                                                                   |
| 33 WLFL2 DUVALL BRIDGE 1136A           | Lower Snog     | Agreement                              | \$0                 | \$30,000                 | \$30,000                 | \$120,000        | ¢0                                    | 60                | <b>¢</b> ດ                 | ¢0                  | \$0               | \$120,000           | \$150 000                     | protect footing. Bridge crosses the Snoqualmie River at Duvall and is the city's primary route.                                                                                                                                                                         |
| OU INTELEZ DOVALE DIVIDGE 1130A        | LEOME! SHOOT   | Agreement                              | ΨΟ                  | ψου,υυυ                  | φ30,000                  | ψ120,000         | ΦΟ                                    | φυ                | ΦU                         | Φ∪ [                | Φυ                | ψ120,000            | φ150,000                      | The stock regards and the chequalitie triver at Davail and is the city's primary route.                                                                                                                                                                                 |
|                                        |                |                                        |                     |                          |                          |                  |                                       |                   |                            |                     |                   |                     |                               |                                                                                                                                                                                                                                                                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            | 2016 Inception to<br>Date | 2017<br>Revised<br>Inception to         | 2017 Available                          | 2018             | 2019             | 2020             | 2021             | 2022             | 2023        | 6-Year CIP       | Project Life      |                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|---------------------------|-----------------------------------------|-----------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------|------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Basin        | Type of project            | Expenditure               | Date Budget                             | Budget                                  | Requested        | Projected        | Projected        | Projected        | Projected        | Projected   | Total            | Total             | Comments                                                                                                                                                                                                                                                                                                                      |
| WLFL2 FARM FLOOD TSK FORCE IMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower Snoq   | WLR Const                  | \$668,348                 | \$763,759                               | \$95,411                                | \$111,858        | \$115,214        | \$118,670        | \$122,230        | \$125,897        | \$0         | \$593,869        |                   | This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplain to help them better withstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or flood proefing of agricultural structures. |
| WLFL2 L SNO REP LOSS MITGTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lower Snoq   | WLR Const<br>WLR Acqu/Elev | \$1,269,231               | \$1,712,699                             | \$443,468                               | (\$17,028)       | \$115,214        | \$110,670        | \$122,230        | \$125,697        | \$0<br>\$0  | (\$17,028)       |                   | flood proofing of agricultural structures.  Funding as possible local match for FEMA grants to elevate or acquire at-risk structures.                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | Cost-shared contribution to multiple levee setbacks and high priority flood risk reduction acquisitions in the Fall City reach of the Lower                                                                                                                                                                                   |
| WLFL2 L SNO/ALDAIR CORRDOR PLN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower Snog   | WLR Const                  | \$5,644,814               | \$7,252,761                             | \$1,607,947                             | \$113,053        | \$742,630        | \$655,636        | \$0              | \$0              | \$0         | \$1,511,319      |                   | Snoqualmie. Projects reduce flood and erosion risk to revetments, roads, and landowners. FCD expenditure leverages habitat restoration funding from other sources.                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ·            |                            | . , ,                     | , , ,                                   |                                         |                  | ,                | ,                | ·                | ·                | ·           |                  |                   | This project provides technical and cost-sharing assistance to residential and agricultural landowners in the Lower Snoqualmie floodplai                                                                                                                                                                                      |
| WLFL2 LWR SNO RESDL FLD MITGTN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower Snog   | WLR Acqu/Elev              | \$1,927,117               | \$3,306,276                             | \$1,379,159                             | (\$27.959)       | \$737,924        | \$0              | \$0              | \$0              | \$0         | \$709,965        |                   | to help them better withstand the impacts of flooding. Specific project actions include farm pads, elevations of homes, and elevation or flood proofing of agricultural structures.                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | ·                          | . , ,                     | , , , , , , , , , , , , , , , , , , , , | , , , , , , , , , , , , , , , , , , , , | (\$21,000)       | ψ101,02 T        | Ψ                | Ψ                | Ψ                | Ψ           | ψ1 00,000        |                   | Rebuild revetment to protect road access to high value agricultural operations and lands. Construction of road anticipated 2017; bank                                                                                                                                                                                         |
| WLFL2 SE 19TH WAY REVETMENT WLFL2 SE DAVID POWELL RD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lower Snoq   | WLR Const                  | \$292,549                 | \$1,706,294                             | \$1,413,745                             | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              |                   | repair anticipated in 2018. FCD-requested project to reduce neighborhood isolation from flooding. Prevent slope failure of sole access roadway that would isolate 1                                                                                                                                                           |
| DOWNSTREAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lower Snoq   | WLR Const                  | \$149,535                 | \$1,036,456                             | \$886,921                               | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              | \$1,036,456       | homes.                                                                                                                                                                                                                                                                                                                        |
| WLFL2 SE DAVID POWELL RD UPSTREAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lawar Caas   | Agraement                  | ФО.                       | <b>\$250,000</b>                        | ФОБО 000                                | \$700,000        | ¢4 250 000       | ФО.              | <b>\$</b> 0      | <b>\$</b> 0      | <b>\$</b> 0 | \$4.050.000      | <b>#2.200.000</b> | The river is scouring the road away and David Powell Road is collapsing into the river. This project will repair an existing failing revetme and extend MSE wall to prevent undercutting of the riverbank and roadway.                                                                                                        |
| WLFL2 SE DAVID FOWELL RD OF STREAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower Snoq   | Agreement                  | \$0                       | \$250,000                               | \$250,000                               | \$700,000        | \$1,250,000      | <b>Ф</b> О       | Φ0               | Φ0               | Φ0          | \$1,950,000      |                   | FCD-requested project to reduce neighborhood isolation from flooding. Prevent slope failure of sole access roadway that would isolate 2                                                                                                                                                                                       |
| WLFL2 SE FISH HATCHERY RD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lower Snoq   | WLR Const                  | \$124,843                 | \$527,905                               | \$403,062                               | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              | \$527,905         |                                                                                                                                                                                                                                                                                                                               |
| WLFL2 SINNEMA QUAALE 2011 REPR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower Snog   | WLR Const                  | \$11,974,543              | \$12,508,516                            | \$533,973                               | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              |                   | Large capital project to repair 1000 linear feet of the Sinnema Quaale Upper revetment. Protects SR 203, two regional fiber optic lines, a Snoqualmie Valley Trail. Construction to be completed in 2017; project anticipated to be closed out in 2018.                                                                       |
| THE SHANE WAS THE ZOTT HE THE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lower Cheq   | WERCOMOC                   | ψ11,014,040               | ψ12,000,010                             | φοσο,στο                                | ΨΟ               | ΨΟ               | Ψ                | Ψ                | Ψ                | Ψ           | ΨΟ               |                   |                                                                                                                                                                                                                                                                                                                               |
| WLFL2 SNOQUALMIE VALLEY FEASIBILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lower Snog   | Agraamant                  | \$0                       | \$0                                     | \$0                                     | 0.2              | 0.7              | \$0              | \$250,000        | \$250,000        | \$0         | \$500,000        |                   | Regional flooding in the Snoqualmie Valley cuts off access to eastern cities. Determine which major roadway(s) that cross the Snoqualm                                                                                                                                                                                        |
| WLFLZ SNOQUALIVIE VALLET FEASIBILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lower Snoq   | Agreement                  | Φ0                        | ΦΟ                                      | Φ0                                      | ΦΟ               | ΦΟ               | Φ0               | \$250,000        | \$250,000        | ΦΟ          | \$500,000        |                   | Valley would be the most cost effective to improve in the valley with chronic flood issues impacting over 25,000 daily drivers.  This project will repair approximately 800 linear feet of the Winkelman (formerly RM 13.5) revetment. Erosion along the right bank of the                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            | •                         | •                                       | 4                                       |                  | •                |                  |                  | 4.0              | 4.5         |                  |                   | Snoqualmie River channel threatens to undermine the Seattle Public Utilities water supply line at this location south of Duvall. Construct                                                                                                                                                                                    |
| WLFL2 TOLT PIPELINE PROTECTION WLFL2 WOODINVILLE DUVALL BR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lower Snoq   | WLR Const                  | \$1,515,788               | \$3,271,375                             | \$1,755,587                             | \$6,162,541      | \$42,436         | \$0              | \$0              | \$0              | \$0         | \$6,204,977      | \$9,476,352       | anticipated 2017. These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approache                                                                                                                                                                        |
| 1136B/1136E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lower Snoq   | Agreement                  | \$0                       | \$100,000                               | \$100,000                               | \$300,000        | \$0              | \$0              | \$0              | \$0              | \$0         | \$300,000        |                   | to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D.                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | Face rock displaced along approximately 50 feet of levee face. Some core material appears to have been lost, resulting in an                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | oversteepened bank relative to upstream and downstream undamaged levee sections. Top of damaged face approximately 6 feet from edge of gravel trail. Continued erosion will cut off popular riverside trail. Potential impact to highway if facility breaches during a major                                                  |
| WLFL3 FREW LEVEE 2016 REPAIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tolt         | WLR Const                  | \$0                       | \$150,000                               | \$150,000                               | \$102,000        | \$0              | \$0              | \$0              | \$0              | \$0         | \$102,000        | \$252,000         |                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | Repair approximately 20 feet of face and toe rock dislodged from Girl Scout Camp levee revetment below side channel confluence with                                                                                                                                                                                           |
| WLFL3 GIRL SCOUT LEVEE 2016 REPAIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tolt         | WLR Const                  | \$0                       | \$60,000                                | \$60,000                                | \$251,000        | \$0              | \$0              | \$0              | \$0              | \$0         | \$251,000        | \$311,000         | mainstem. Missing face and toe rock compromises levee integrity, increasing its vulnerability to further scour and potential failure.                                                                                                                                                                                         |
| WI FLOUDING FEACINITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | T-14         | WI D Const                 | ФО                        | Фооо ооо                                | Ф000 000                                | ФО.              | ФО               | ФО.              | <b>#</b> 0       | <b>#</b> 0       | <b>#</b> 0  | ФО.              |                   | Feasibility study to determine the nature and extent of levee improvements necessary to remove four homes in unincorporated King                                                                                                                                                                                              |
| WLFL3 HOLBERG FEASIBILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tolt         | WLR Const                  | \$0                       | \$200,000                               | \$200,000                               | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              |                   | County from the regulatory Channel Migration Zone as mapped in the March 2017 Draft Tolt River Channel Migration study  Capital Investment Strategy: Design, based on level of service analysis, the highest priority levee setback for flood risk reduction. FCD 6                                                           |
| WLFL3 LOWER FREW LEVEE SETBACK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tolt         | WLR Const                  | \$0                       | \$175,000                               | \$175,000                               | \$1,236,000      | \$1,823,962      | \$0              | \$0              | \$0              | \$0         | \$3,059,962      | \$3,234,962       | year includes funds needed for grant match for future grant applications.                                                                                                                                                                                                                                                     |
| WLFL3 LOWER TOLT RIVER ACQUISITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tolt         | WLR Acqu/Elev              | \$529,475                 | \$744,475                               | \$215,000                               | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              |                   | Acquisition between the Swiftwater development and the river for the future setback of the Upper Frew Levee                                                                                                                                                                                                                   |
| WLFL3 RIO VISTA PROPERTY ACQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tolt         | WLR Acqu/Elev              | \$0                       | \$0                                     | \$0                                     | \$500,000        | \$0              | \$0              | \$0              | \$0              | \$0         | \$500,000        | \$500,000         | Capital Investment Strategy: Acquire 2 at-risk homes from willing sellers; acquire remaining 14 homes as funds become available.                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | This project will buyout remaining properties and remove all homes and privately-constructed rubble levee at upstream end of the                                                                                                                                                                                              |
| WLFL3 SAN SOUCI NBRHOOD BUYOUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tolt         | WLR Acqu/Elev              | \$4,127,691               | \$5,553,353                             | \$1,425,662                             | \$0              | \$0              | \$0              | \$0              | \$0              | \$0         | \$0              |                   | community access road, ultimately completing project initiated 20 years ago by others. When completed, will result in removing approximatlely 20 homes from high hazard areas within and just upstream and downstream of San Souci neighborhood.                                                                              |
| WILE COAN COLOUR FACULINARRY MANTO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              | MI D Coost                 | 40                        | Φ0                                      |                                         | <b>*</b> 400.000 | <b>*</b> 050 000 | <b>A</b> =00.000 | <b>A</b> 700.000 | <b>475</b> 0 000 | 40          | 40.500.000       |                   | Capital Investment Strategy: Construct Tolt Road NE road elevation in one location. Remove illegal revetment and roads in San Souci                                                                                                                                                                                           |
| WLFL3 SAN SOUCI REACH IMPRVMNTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tolt         | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$100,000        | \$250,000        | \$700,000        | \$700,000        | \$750,000        | \$0         | \$2,500,000      |                   | neighborhood. Capital Investment Strategy: Conduct sediment management feasibility study and develop a plan. Update and include upper watershed                                                                                                                                                                               |
| WLFL3 SEDIMENT MGMT FEAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tolt         | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$209,605        | \$205,284        | \$0              | \$0              | \$0              | \$0         | \$414,889        | \$414,889         | sediment production estimates                                                                                                                                                                                                                                                                                                 |
| WLFL3 SR 203 BR IMPRVMNTS FEAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tolt         | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$205,743        | \$181,306        | 90               | 90               | \$0              | \$0         | \$387,049        |                   | Capital Investment Strategy: Initiate study (with potential future design and construct) to add bridge span(s), raise the highway and relocate King County Parks parking area.                                                                                                                                                |
| WEI ES SIX 203 BIX IIVII IXVIVIIVI SI EAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TOIL         | WEIT COIIST                | ΨΟ                        | ΨΟ                                      | ΨΟ                                      | Ψ203,143         | \$101,500        | ΨΟ               | ΨΟ               | ΨΟ               | ΨΟ          | \$307,043        |                   | Damage is approximately 60 lineal feet of the facility with missing toe rock and undermined face rock near the Snoqualmie Valley Trail.                                                                                                                                                                                       |
| NAME OF DEPARTMENT OF DEPARTME |              | WII D Const                | •                         | •                                       |                                         | <b>*</b> 044.000 | •                |                  | •                | 20               | 20          | <b>***</b>       |                   | The damage is at the downstream end of Remlinger facility and a breach or continued erosion would increase flooding impacts on portion                                                                                                                                                                                        |
| WLFL3 REMLINGER LEVEE 2017 REPAIR WLFL3 TOLT 2015 FLOOD REPAIRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tolt<br>Tolt | WLR Const<br>WLR Const     | \$46,790                  | \$900,000                               | \$0<br>\$853,210                        | \$311,000<br>\$0 | \$0<br>\$0       | \$0<br>\$0       | \$0<br>\$0       | \$0<br>\$0       | \$0<br>\$0  | \$311,000<br>\$0 |                   | of the Remlinger property.  Flood damage repairs from January 2015 flood event. Locations include Frew, Upper Frew, Remlinger, and Girl Scout Camp.                                                                                                                                                                           |
| WLFL3 TOLT CORRIDOR IMPLMNTN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tolt         | WLR Const                  | \$0                       |                                         |                                         | \$0              | \$0              | T -              | \$0              | \$0              | \$0         | \$0              | \$0               | Placeholder for corridor plan implementation project(s).                                                                                                                                                                                                                                                                      |
| WLFL3 TOLT CORRIDOR PLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tolt         | WLR Const                  | \$958,717                 | \$1,153,657                             | \$194,940                               | 0.2              | 0.2              | 0.2              | Φ0               | 90               | 90          | 0.0              |                   | The corridor plan for the lower 6 miles of the Tolt River will develop a prioritized implementation strategy for near-term and long-term                                                                                                                                                                                      |
| WEFES TOLT CORRIDOR FLAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TOIL         | WER Const                  | φ956,717                  | \$1,155,657                             | \$194,940                               | Φ0               | ΦΟ               | Φ0               | ΨΟ               | φυ               | φυ          | \$0              |                   | floodplain management actions. Scheduled for adoption in 2017.  Capital Investment Strategy: Conduct a detailed hydraulic analysis to optimize the elevation of new levees to maximize flood risk                                                                                                                             |
| WLFL3 TOLT R LEVEE L.O.S. ANALYSIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tolt         | WLR Const                  | \$0                       | \$150,000                               | \$150,000                               | \$403,250        | \$150,000        | \$0              | \$0              | \$0              | \$0         | \$553,250        | \$703,250         | reduction benefits                                                                                                                                                                                                                                                                                                            |
| WLFL3 TOLT R MILE 1.1 SETBACK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tolt         | WLR Acqu/Elev              | \$4,097,106               | \$5,484,360                             | \$1,387,254                             | (\$578,254)      | \$530,450        | \$0              | \$0              | \$0              | \$0         | (\$47.804)       |                   | Acquisition funding for high risk properties in levee setback project area. Project priorities will be determined by the Board through adopt of the Tolt Corridor Plan.                                                                                                                                                       |
| WLFL3 TOLT R NATURAL AREA ACQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tolt         | WLR Acqu/Elev              | \$1,140,067               | \$2,470,067                             | \$1,330,000                             | \$515,000        | \$530,450        | \$109,273        | \$0              | \$0              | \$0         | \$1,154,723      | +-//              | Capital investment strategy: acquire at-risk homes from willing sellers.                                                                                                                                                                                                                                                      |
| WLFL3 TOLT R RD ELEVATION FEASIBILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tolt         | WLR Const                  | <b>60</b>                 | \$250,000                               | ¢250,000                                | 0.0              | 0.7              | 0.0              | 0.0              | 0.0              | 0.0         | 0.0              | \$250,000         | FCD-requested project to reduce neighborhood isolation from flooding. Evaluate feasibility of elevating sections of Tolt River Road.                                                                                                                                                                                          |
| WEFLS TOLT R RD ELEVATION FEASIBILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TOIL         | WER CONST                  | \$0                       | \$250,000                               | \$250,000                               | Φ0               | Φ0               | \$0              | ΦΟ               | ΦΟ               | ΦΟ          | \$0              | Ψ230,000          | Capital Investment Strategy: Initiate design for elevation of one road location to reduce or eliminate isolation. Implement additional road                                                                                                                                                                                   |
| WLFL3 TOLT R RD NE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tolt         | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$0              | \$0              | \$50,000         | \$100,000        | \$210,000        | \$800,000   | \$1,160,000      |                   | elevations as funds become available.                                                                                                                                                                                                                                                                                         |
| WLFL3 UPPER FREW LEVEE SETBACK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tolt         | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$0              | \$0              | \$100,000        | \$100,000        | \$150,000        | \$0         | \$350,000        |                   | Capital Investment Strategy: Initiate the levee setback design in order to apply for grant funding. Levee setback to increase sediment storage and floodwater conveyance; protect adjacent development; reduce damage to trail bridge.                                                                                        |
| WLFL4 ALPINE MANOR NEIGHBORHOOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            | Ψ.                        |                                         | **                                      | <b>*</b> **      | <b>4</b> 0       | , ,              | Ţ : 30,300       | ,                | Ψ.          |                  |                   | Acquisition of single-family homes and future acquisition of mobile home park at risk of channel migration along the Raging River in the                                                                                                                                                                                      |
| BUYOUTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Raging       | WLR Acqu/Elev              | \$1,715,652               | \$2,280,652                             | \$565,000                               | \$405,755        | \$0              | \$0              | \$0              | \$0              | \$0         | \$405,755        | . , ,             | Alpine Manor neighborhood.  Repair 150 lineal feet of discontinuous damage and missing toe rock. The levee protects the landward area from flooding and serves as                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   | the road embankment for Dike Rd, an access road to the Fall City boat launch. The damaged levee section is immediately adjacent to the                                                                                                                                                                                        |
| WLFL4 RAGING MOUTH TO BR 2017 REPAIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Raging       | WLR Const                  | \$0                       | \$0                                     | \$0                                     | \$500,000        | \$74,000         | \$0              | \$0              | \$0              | \$0         | \$574,000        | \$574,000         | Twin Rivers golf course barn, which would experience greater flooding if the levee were breached.                                                                                                                                                                                                                             |
| WLFL4 RAGING R BRIDGE 1008E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Raging       | Agreement                  | \$0                       | \$80,000                                | \$80,000                                | <b>\$</b> 0      | \$0              | \$0              | so               | \$0              | \$0         | .\$∩             |                   | 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.                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | · ·~ʊ'''ÿ    | , ig. comon                |                           |                                         |                                         | ΨΟ               | ΨΟ               | ΨΟ               | ΨΟ               | ΨΟ               | ΨΟ          | ΨΟ               |                   | - Stanger Solves Sale neade but to a designated rang obtains Editariant.                                                                                                                                                                                                                                                      |
| Snoqualmie-South Fork Skykomish Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                            | \$52,693,404              | \$84,023,017                            | \$31,329,613                            | \$11,966,181     | \$14,808,594     | \$9,598,805      | \$10,670,673     | \$6,936,434      | \$1,626,623 | \$55,607,311     | \$139,630,328     |                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   |                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                            |                           |                                         |                                         |                  |                  |                  |                  |                  |             |                  |                   |                                                                                                                                                                                                                                                                                                                               |

|                                                            |                |                 | 2016 Inception to        | 2017<br>Revised<br>Inception to | 2017 Available        | 2018                   | 2019         | 2020                                    | 2021        | 2022        | 2023        | 6-Year CIP             | Project Life                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------|----------------|-----------------|--------------------------|---------------------------------|-----------------------|------------------------|--------------|-----------------------------------------|-------------|-------------|-------------|------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. Title                                                  | Basin          | Type of project | Expenditure              | Date Budget                     | Budget                | Requested              | Projected    | Projected                               | Projected   | Projected   | Projected   | Total                  | Total                         | Comments  Repair and stabilize two short sections of the right riverbank near I-405 to protect the regional Sammamish River trail. Work is being                                                                                                                                                                                                                                                                                                                                                                                |
| 73 WLFL5 SAMMAMISH R BANK REPAIRS                          | Sammamish      | WLR Const       | \$106,050                | \$419,895                       | \$313,845             | \$721,929              | \$0          | \$0                                     | 0.2         | \$0         | \$0         | \$721,929              | \$1 1 <i>1</i> 11 82 <i>1</i> | coordinated with Parks. Full permitting will be required as work will be below OHW, plus an updated easement will be required from WSDOT and FHWA due to I-405 proximity. Construction is targeted for summer 2016 and will likely require detouring trail users to adjacent roads.                                                                                                                                                                                                                                             |
| 73 WELLS SAIWIMAMISH & BANK REFAIRS                        | Sammamism      | WER COIST       | \$100,030                | Ψ413,033                        | ψ313,043              | Ψ721,929               | фО           | <b>\$</b> 0                             | φ0          | φυ          | Φ0          | \$121,323              | φ1,141,024                    | Willowmoor Floodplain Restoration Project seeks to reduce the frequency and duration of high lake levels in Lake Sammamish while maintaining downstream Sammamish River flood control performance and enhancing habitat. The project will reconfigure the Sammamish transition zone to ensure ongoing flow conveyance, downstream flood control, potential extreme lake level reduction, habitat conditions improvement, and reduction of maintenance impacts and costs. In June 2016 the Executive Committee approved a motion |
| 74 WLFL5 WILLOWMOOR FLDPLAIN REST                          | Sammamish      | WLR Const       | \$1,405,468              | \$2,717,923                     | \$1,312,455           | (\$181,655)            | \$1,684,709  | \$2,011,665                             | \$0         | \$0         | \$0         | \$3,514,719            | \$6,232,642                   | (2016-04) authorizing 30% design of the split-channel alternative including various design elements such as variable depth pools, cold water supplementation, and other elements itemized in the motion.  Increase conveyance capacity at the five box culvert crossings. Disconnect local storm drainage outfall from Coal Creek and redirect them                                                                                                                                                                             |
| 75 WLFL6 LOWER COAL CRK PH I                               | Lk Wash Tribs  | Agreement       | \$1,504,751              | \$3,958,751                     | \$2,454,000           | \$5,595,000            | \$4,159,000  | \$145,000                               | \$120,000   | \$100,000   | \$66,000    | \$10,185,000           | \$14,143,751                  | to Lake Washington. Implemented by City of Bellevue. Expenditure forecast to be updated based on current project schedule.  As recommended in the May Creek Basin Plan, two sediment trap facilities will be evaluated to limit sediment loading from two May Creek                                                                                                                                                                                                                                                             |
| 76 WLFL6 MAY VALLEY DRAINAGE IMPRVMNT                      | Lk Wash Tribs  | WLR Const       | \$0                      | \$0                             | \$0                   | \$80,000               | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$80,000               |                               | tributaries. Both projects would require land acquisition, whether easement or property purchase.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 77 WLFL6 FIFTEENMILE CRK BRIDGE 493C                       | Lk Wash Tribs  | Agreement       | \$0                      | \$0                             | \$0                   | \$150,000              | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$150,000              | \$150,000                     | Feasibility analysis to identify potential solutions to bank erosion and backwatering problems at bridge.  This project will acquire strategic real estate upon which several large Flood Control District capital projects are dependent, namely the                                                                                                                                                                                                                                                                           |
| 78 WLFL7 CDR PRE-CONST STRTGC ACQ                          | Cedar          | WLR Acqu/Elev   | \$2,532,848              | \$4,330,532                     | \$1,797,684           | \$0                    | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$0                    | \$4,330,532                   | levee setback projects at the Herzman, Jan Rd, Rhode, Getchman, and Rutledge-Johnson Lower Jones Rd levee segments. Acquisition funding related to these projects is now included in the individual capital projects.                                                                                                                                                                                                                                                                                                           |
| WLFL7 CEDAR LEVEE SETBACK FEAS  (Cedar Corridor Plan)      | Cedar          | WLR Const       | \$1,624,424              | \$1,987,587                     | \$363,163             | \$0                    | \$0          | \$0                                     | \$0.        | \$0         | \$0         | \$0                    | \$1,987,587                   | This six-year flood risk reduction capital investment strategy will cover the Cedar River valley from Landsburg Road SE (River Mile 22) to Lake Washington. Completion of this plan is expected in September 2016.                                                                                                                                                                                                                                                                                                              |
| 80 WLFL7 CEDAR R REP LOSS MITGATN                          | Cedar          | WLR Acqu/Elev   | \$3,182,250              | \$3,788,422                     | \$606,172             | \$0                    |              | \$0                                     | \$0         | \$0         | \$0<br>\$0  | \$0<br>\$0             | . , ,                         | Acquire frequently-flooded homes. Placeholder funding until District adopts acquisition policy.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 81 WLFL7 CEDAR RIVER TRAIL SITE A BANK                     | Cedar          | WLR Const       | \$0                      | \$0                             | \$0                   | \$0                    | \$100,000    | \$100,000                               | \$200,000   | \$490,000   | \$0         | \$890,000              | \$890.000                     | Capital Investment Strategy: Repair eroded section of left bank with bioengineered revetment to stabilize toe of bank and to prevent large scale bank failure.                                                                                                                                                                                                                                                                                                                                                                  |
| 82 WLFL7 CEDAR RVR GRAVEL REMOVAL                          | Cedar          | Agreement       | \$8,480,221              | \$11,102,885                    | \$2,622,664           | \$0                    | \$962,613    | \$104,880                               | \$445,679   | \$111,267   | \$114.605   | \$1,739,044            | \$12,841,929                  | The project will ensure the minimum required 100-year flood conveyance capacity along the lower 1.25 miles of the Cedar River. Project is a required maintanance action for the Army Corps of Engineers 205 Flood Control Project. Project costs were undeted in March 2016                                                                                                                                                                                                                                                     |
| WLFL7 CITY OF RENTON LEVEE 83 CERTIFICATION                | Cedar          | Agreement       | \$0                      | \$0                             |                       | \$750,000              |              | , , , , , , , , , , , , , , , , , , , , | \$0         | \$0         | \$0         | \$5,000,000            | . , ,                         | Placeholder for Renton levee certification projects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 84 WLFL7 ELLIOTT BR LEVEE SETBACK                          | Cedar          | WLR Const       | \$2,168,073              | \$2,175,408                     | \$7,335               | (\$7.335)              | \$0          | \$0                                     | \$0         | \$0         | \$0         | (\$7,335)              |                               | Purpose of the project is to setback levees on both sides of the river below the Elliott/154th ST Bridge. Based on the Cedar Capital Investment Strategy this project is no longer scheduled for the near-term 6-year timeframe.                                                                                                                                                                                                                                                                                                |
| WEI ET EELIG IT BILLEVEL GETBION                           | Coddi          | WER CORRE       | Ψ2,100,070               | Ψ2,170,400                      | Ψί,σοσ                | (\$7,000)              | Ψ            | Ψ                                       | ψ           | Ψ           | Ψ           | (ψ1,000)               | ψ2,100,070                    | Washington State Floodplains by Design grant from the Department of Ecology. The project will buyout residents in high risk areas,                                                                                                                                                                                                                                                                                                                                                                                              |
| 85 WLFL7 FBD CORRIDOR IMPLEMENTATION                       | Cedar          | WLR Acqu/Elev   | \$932,547                | \$5,705,500                     | \$4,772,953           | \$806,284              | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$806,284              | \$6,511,784                   | increase the capacity for flood storage, and provide corresponding environmental improvements. The project has cost-share funding from the City of Seattle                                                                                                                                                                                                                                                                                                                                                                      |
| WLFL7 HERZMAN LEVEE SETBACK AND<br>86 TRAIL                | Cedar          | WLR Const       | \$0                      | \$0                             | \$0                   | \$944,872              | \$226,184    | \$3,979,360                             | \$78,786    | \$81,149    | \$83,584    | \$5,393,935            | \$5,393,935                   | Capital Investment Strategy: Setback levee; excavate side-channel to reduce pressure on revetment; reconstruct, reinforce and/or extend revetment; acquire up to 5 properties.                                                                                                                                                                                                                                                                                                                                                  |
| 87 WLFL7 JAN ROAD NEIGHBORHOOD                             | Cedar          | WLR Const       | \$0                      | \$0                             | \$0                   | \$900,000              | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$900,000              | \$900,000                     | Capital Investment Strategy: Suite of solutions to be determined as part of feasibility study. Includes raise road, partial removal of Jan Road levee, contruction of side channel, and mitigation of at-risk properties.                                                                                                                                                                                                                                                                                                       |
| 88 WLFL7 RAINBOW BEND LEVEE STBCK                          | Cedar          | WLR Const       | \$2,104,185              | \$2,213,285                     | \$109,100             | \$0                    | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$0                    |                               | This project represents the Flood District contribution to a larger project to remove the Rainbow Bend levee in order to slow flood velocities                                                                                                                                                                                                                                                                                                                                                                                  |
| 89 WLFL7 LOWER CEDAR FEASIBILITY STUDY                     | Cedar          | WLR Const       | \$0                      | \$0                             | \$0                   | \$200,000              | \$200,000    | \$100,000                               | \$0         | \$0         | \$0         | \$500,000              | \$500,000                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| WLFL7 LOWER JONES ROAD<br>90 NEIGHBORHOOD                  | Cedar          | WLR Const       | \$0                      | \$36,000                        | \$36,000              | \$3,057,792            | \$1,738,873  | \$4,569,548                             | \$1,544,801 | \$40,575    | \$0         | \$10,951,589           | \$10,987,589                  | Capital Investment Strategy: Raise in place or setback Jones Road; excavate and stabilize right bank to increase conveyance capacity; reinforce one revetment; remove portion of another revetment; acquire 8 at risk properties                                                                                                                                                                                                                                                                                                |
| 91 WLFL7 MAPLEWOOD FEASIBILITY STUDY                       | Cedar          | WLR Const       | \$0                      | \$440,000                       | \$440,000             | \$0                    | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$0                    | \$440,000                     | Capital Investment Strategy: Conduct site specific landslide risk assessment study; conduct a feasibility study to evaluate opportunities to modify the Erickson Levee.                                                                                                                                                                                                                                                                                                                                                         |
| 92 WLFL7 RIVERBEND MHP ACQ                                 | Cedar          | WLR Const       | \$3,496,466              | \$5,357,042                     | \$1,860,576           | \$0                    | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$0                    | \$5,357,042                   | This project represents the Flood District contribution to a larger project that relocates mobile home park tenants and initiates preliminary engineering design for potential levee setback / realignment to reduce flood heights, velocities and channel migration risk in this reach.                                                                                                                                                                                                                                        |
| 93 WLFL7 SE 162ND AVE AT 266TH CT                          | Cedar          | Agreement       | \$0                      | \$150,000                       | \$150,000             | \$250,000              | \$400,000    | \$700,000                               | \$0         | \$0         | \$0         | \$1,350,000            | . , ,                         | To address a culvert failure affecting approximately 10 properties, prepare Concept Development Report to analyze and select best culvert replacement and road-raising option; and analyze upstream and downstream retention/detention impacts.                                                                                                                                                                                                                                                                                 |
| 94 WLFL7 SR 169 FEASIBILITY STUDY                          | Cedar          | WLR Const       | \$0                      | \$260,000                       | \$260,000             | \$61,800               | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$61,800               |                               | Conduct feasibility study in coordination with WSDOT to evaluate flood risk reduction opportunities, such as elevating SR 169, upgrading the local drainage infrastructure, and / or installation of back flow prevention gates.                                                                                                                                                                                                                                                                                                |
| 95 Cedar-Sammamish Subtotal                                |                |                 | \$27,537,283             | \$44,643,230                    | \$17,105,947          | \$13,328,687           | \$12,471,379 | \$13,360,453                            | \$3,789,266 | \$1,822,991 | \$264,189   | \$45,036,965           | \$89,680,195                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 97                                                         |                |                 |                          |                                 |                       |                        |              |                                         |             |             |             |                        |                               | Floodwall construction at four locations completed by the City of Kent. Final expenditures for the remainder of 2017 will include reimbursement for property acquisition and riparian plantings. The revised 2017 financial plan includes revenue of \$4.1 million for the sale of the Rivers Edge Business Park. Per FCD 2016-20 Section 6, this revenue makes expenditure authority available for the Lower Russell                                                                                                           |
| 98 WLFL8 BRISCOE LEVEE SETBACK                             | Green          | Agreement       | \$21,361,073             | \$23,330,271                    | \$1,969,198           | \$0                    | \$0          | \$0                                     | \$0         | \$0         | \$0         | \$0                    | \$23,330,271                  | Levee Setback project. The Briscoe project will be closed out once the District's ILA with Kent expires in 2018.                                                                                                                                                                                                                                                                                                                                                                                                                |
| 99 WLFL8 BRPS BLACK R PUMP STATION                         | Green          | WLR Const       | \$5,134,042              | \$5,374,203                     | \$240,161             | (\$229,161)            | \$0          | \$0                                     | \$0         | \$0         | \$0         | (\$229,161)            | \$5,145,042                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 100 WLFL8 BRPS CONTROL BLDG RPLCMT                         | Green          | WLR Const       | \$0                      | \$50,000                        | \$50,000              | \$480,368              | \$1,554,622  | \$7,577,624                             | \$25,887    | \$0         | \$0         | \$9,638,501            | \$9,688,501                   | This project will design and build the second phase of renovations to the Black River pump station. Major components include replacement of the control building, replacement of the trash rake system, and replacement of the screen spray system.                                                                                                                                                                                                                                                                             |
| 101 WLFL8 BRPS FISH PASS IMPRVMNTS                         | Green          | WLR Const       | \$0                      | \$0                             | \$0                   | \$0                    | \$0          | \$0                                     | \$831,751   | \$2,241,456 | \$6,316,655 | \$9,389,862            | \$9,389,862                   | This project will design and build the fourth phase of renovations to the Black River pump station, revising and replacing the obsolete fish passage systems.                                                                                                                                                                                                                                                                                                                                                                   |
| 102 WLFL8 BRPS HIGH-USE ENGINES                            | Green          | WLR Const       | \$0                      | \$252,900                       | \$252,900             | \$221,179              | \$1,414,074  | \$25,133                                | \$0         | \$0         | \$0         | \$1,660,386            | \$1,913,286                   | This project will design and build the first phase of renovations to the Black River pump station, replacing the three smaller pump engines which run much more frequently than the other, larger pump engines.                                                                                                                                                                                                                                                                                                                 |
| 103 WLFL8 BRPS SUPPORT SYS UPGRADES                        | Green          | WLR Const       | \$0                      | \$0                             | \$0                   | \$0                    | \$175,261    | \$822,168                               | \$779,584   | \$26,663    | \$0         | \$1,803,676            | \$1,803,676                   | This project will design and build the third phase of renovations to the Black River pump station, replacing support systems such as engine control panels, cooling systems, oilers and hoists.                                                                                                                                                                                                                                                                                                                                 |
| 104 WLFL8 DESIMONE USACE 2015 105 WLFL8 DYKSTRA USACE 2015 | Green<br>Green | Agreement       | \$1,634,698<br>\$638,356 | \$2,563,620<br>\$692,856        | \$928,922<br>\$54,500 | (\$923,922)<br>\$6,695 | \$0<br>\$0   |                                         |             | \$0         | \$0<br>\$0  | (\$923,922)<br>\$6,695 | \$1,639,698                   | Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016.  Cost-share flood damage repair from March 2014 high flows with Corps of Engineers. Construction in 2016.                                                                                                                                                                                                                                                                                                              |
|                                                            |                | Agreement       |                          |                                 |                       |                        |              | ,                                       | , ,         | φ0          | φυ          |                        |                               | This project will result in actions to mitigate environmental damage from tree cutting during 2008-9 (as required by permitting agencies) to                                                                                                                                                                                                                                                                                                                                                                                    |
| 106 WLFL8 GREEN R PL84-99 MITIGATN                         | Green          | WLR Const       | \$3,668,478              | \$4,043,988                     | \$375,510             | \$1,616,554            | \$52,000     | \$25,000                                | \$25,000    | \$0         | \$0         | \$1,718,554            | \$5,762,542                   | This project will acquire strategic real estate upon which future large Flood Control District capital projects are dependent, thereby                                                                                                                                                                                                                                                                                                                                                                                          |
| 107 WLFL8 GREEN PRE-CONST ACQ                              | Green          | WLR Acqu/Elev   | \$0                      | \$0                             | \$0                   | \$5,000,000            | \$5,000,000  | \$5,000,000                             | \$5,000,000 | \$5,000,000 | \$5,000,000 | \$30,000,000           | \$30,000,000                  | reducing risks to construction schedules for those projects.  New project to implement interim SWIF adopted by Board of Supervisors. This project will reconstruct the Horseshoe Bend Levee at the Breda reach (RM 24.46-24.72) to a more stable configuration in order to reduce flood risk to the surrounding areas. The project will also raise levee crest elevations to contain the 500-year (0.2% annual chance) flood. This segment of the levee has the lowest factor of safety                                         |
| 108 WLFL8 HSB BREDA SETBACK                                | Green          | WLR Const       | \$0                      | \$1,755,000                     | \$1,755,000           | \$2,522,674            | \$590,285    | \$2,427,136                             | \$982,119   | \$0         | \$0         | \$6,522,214            | \$8,277,214                   | rating of the Horseshoe Bend levee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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                                                                                                                                 | New project to implement interim SWIF adopted by Board of Supervisors. This PL 84-99 levee segment contains a 'Minimally acceptable' rating by the USACE due to a slope deficiency at RM 24.3 (oversteepened slopes from 1.3 to 1.7H:1V for 500 feet). The City of Kent constructed a secondary containment levee in this reach, set back from the river's edge, which is currently not part of the federal levee. The only remaining structure between the two levees is a Puget Sound Energy facility. The Horseshoe Bend Levee Certification Report calculated Factor of Safety (FOS) values for rapid drawdown of 1.08 and 1.55 at about RM 24.3 and RM 24.4, respectively. River bed scour in this reach between 1986 and 2011 is 2.7 feet at RM 24.24. Funding of \$400,000 covers the cost of major modification to the federal levee so that the City of Kent's secondary containment levee can be incorporated into the federal levee project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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                                                                                                                                 | New project to implement interim SWIF adopted by Board of Supervisors. The Nursing Home levee is over-steepened and does not meet current engineering standards. The economic consequence of levee failure or overtopping to the lower Green River valley is extensive and could cause tens of millions of dollars in damage. This capital project area contains a 'Minimally Acceptable' deficiency by the US Army Corps of Engineers at RM 25. 5 (over steepened slopes from 1. 25 to 1. 7H:1V for 225 feet). The Horseshoe Bend Levee Certification Report calculated a Factor of Safety (FOS) value for rapid drawdown of 1. 01 at RM 25. 57 (Section F). This is barely above the minimum FOS (1. 0) from the US Army Corps of Engineers manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| /LFL8 INTERIM SWIF IMPLEMENTATION  | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Const                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | Coordination and planning activities to implement recommendations of interim SWIF. Maintenance work associated with the interim SWIF is included in the operating budget.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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                                                                                                                                | Acquisitions by the City of Kent for the Lower Russell levee setback project.  Lower Green River Corridor Planning and Environmental Impact Statement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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                                                                                                                                 | Remove and replace the existing flood containment system of levee and revetments along the right (east) bank of the Green River between river mile 17.85 (S 212th St) and river mile 19.25 (S 231st Way) in the City of Kentr to provide long-term flood protection and improve riparian and aquatic habitat. Increased expenditure authority to match interim SWIF adopted by Board of Supervisors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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                                                                                                                                 | Prepare an analysis and study of design and construction alternatives to provide flood protection, scour protection, enable levee certification and secure necessary land rights. Current ILA with Kent for this first phase is \$3.65 million, the ILA assumes that the total project cost is \$8.5 million.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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                                                                                                                                 | This project will address scour damage to the bridge, which is on the primary through route of the Green River Valley Rd. The bridge is also a King County landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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                                                                                                                                 | Contribute the cost of a repair (\$720,000) to a \$7 million levee setback project. By relocating the levee, future repair costs for the Flood Control District are reduced. In response to community concerns, the project also includes funding to elevate the road so that the school bus serving this neighborhood does not have to drive in the oncoming lane to avoid floodwaters.  Project expenditures will continue into 2017; closeout anticipated in 2018.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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                                                                                                                                 | Project is to improve the levee by providing a minimum of 3 feet of freeboard above the predicted 500-year flood event and improve slope stability. These segments of the Russell Road Upper Levee have over-steepened slopes and therefore lack adequate structural stability to provide adequate safety.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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                                                                                                                                 | The project will increase the height of a flood wall to provide approximately 30" of additional flood protection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                 | This project will conduct a feasibility analysis of channel migration hazards from river mile 21.1 to 21.7. No design or construction funding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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                                                                                                                                 | This project will analyze culvert replacement and road-raising options and implement the preferred option.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| /LFL8 SE 384 ST @ 176 AVE SE       | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Agreement                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | These two bridges are subject to having the roadway approach fill wash out during a flood. Excavate approaches and rebuild approaches to prevent loosing approaches during flooding. A similar repair was done on Woodinville-Duvall Bridge No. 1136D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| /LFL8 SIGNATURE POINTE REVETMENT   | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Const                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | Signature Pointe is a revetment/levee on the Green River between river mile 22.06 and 23.18 that does not meet the FEMA requirements for accreditation due to inadequate freeboard. This project includes development of a project charter and an alternatives analysis to select an alternative to achieve increased flood protection, embankment and toe protection in a manner that can be certified and accredited.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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                                                                                                                                | New project to implement interim SWIF adopted by Board of Supervisors. This project will construct a 0.15 mile floodwall and sloped embankment to protect adjacent businesses from flooding. The floodwall alignment (including embankment slope, factors of safety, and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| /LFL8 TUK-205 RATOLO FLOODWALL     | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Const                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | necessary real estate) will be finalized during the project design phase.  New project to implement interim SWIF adopted by Board of Supervisors. The Gaco portion of the Tukwila-205 levee between river mile 15.75 and 15.88 is over-steepened and damaged and cannot be adequately repaired using the existing easements. This project would acquire properties landward of the damaged levee to enable a levee setback and repair of the embankment and toe scour at this outside                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| /LFL8 TUK-205 SEGALE FLOODWALL     | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Const                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | bend, in coordination with the Army Corps of Engineers PL 84-99 rehabilitation program.  600 feet of scour has exposed rock armor. No sign of armor loss. Interim SWIF capital project is for 0.33 miles of floodwall and toe/scour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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Increased vulnerability to further scour and damage to facility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| /LFL9 BUTTE AVE FLOOD MITIGATION   | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Agreement                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | 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 and permit a stormwater pump station which will significantly reduce flood risks to approximately five hundred homes and businesses. The completed project will also reduce long-term road closures that have occurred in the past due to flooding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| /LFL9 COUNTYLINE TO A STREET       | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Const                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | Reduces flood elevations that impact residential neighborhoods in the City of Pacific (200 homes, with \$52 million of assessed and \$13 million content value), improves sediment storage and enhances habitat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| /LFL9 RED CREEK ACQUISITIONS       | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLR Acqu/Elev                                                                                                                                                                                                                                                                                                    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                                                                                                                                 | Permanently eliminate the risk to public safety along this reach by acquiring and removing residential structure. Placeholder funding for appraisal and/or grant match dependent on landowner willingness.  Construct a new levee setback in the City of Pacific, extending from BNSF railroad bridge embankment to endpoint at Butte Ave. by White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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                                                                                                                                | This project would acquire flood prone residence along the White River near the Greenwater River.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| /LFLS SOUTH PARK PUMPSTATION       | Seattle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Agreement                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | Cost-share construction of pump station to reduce flooding in industrial area. Allocation of funds by year may be revised based on updated project schedule. Implemented by the City of Seattle. Expenditure forecast to be updated based on current project schedule.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| /LFLS S PARK DRAINAGE IMPROVEMENTS | Seattle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Agreement                                                                                                                                                                                                                                                                                                        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                                                                                                                                 | The South Park Drainage Conveyance Improvements Project will install a formal conveyance system in the streets, to get flows to the pump station. The conveyance improvements will work in conjunction with the Pump Station.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                                    | Countywide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WLR Const                                                                                                                                                                                                                                                                                                        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|                                    | /LFL8 MILWAUKEE LEVEE #2-KENT //LFL8 PATTON BRIDGE 3015  //LFL8 PORTER LEVEE //LFL8 REDDINGTON REACH SETBACK //LFL8 RUSSELL RD UPPER KENT //LFL8 S 180TH ST BRIDGE FLOODWALL XT //LFL8 SE 380 PL AT SR 164 //LFL8 SE 380 PL AT SR 164 //LFL8 SE 384 ST @ 176 AVE SE //LFL8 SIGNATURE POINTE REVETMENT //LFL8 TUK-205 RATOLO FLOODWALL //LFL8 TUK-205 USACE GACO REPAIR //LFL8 USACE SWIF ireen-Duwamish Subtotal //LFL9 BUTTE AVE FLOOD MITIGATION //LFL9 RED CREEK ACQUISITIONS //LFL9 RIGHT BANK LEVEE SETBACK //LFL9 RIGHT BANK LEVEE SETBACK //LFL9 SOUTH PARK PUMPSTATION //LFLS S PARK DRAINAGE IMPROVEMENTS eattle Subtotal //LFLS CORRIDOR PLN DESIGN/CONST LACEHOLDER | ALFL8 HSB MCCOY REALIGNMENT  ALFL8 HSB NURSING HOME SETBACK  ALFL8 INTERIM SWIF IMPLEMENTATION ALFL8 LOWER RUSSELL ACQ KENT ALFL8 LWR GRN R CORRIDOR PLANZEIS  Green  ALFL8 LWR RUSSELL LEVEE SETBACK  ALFL8 MILWAUKEE LEVEE #2-KENT  ALFL8 PATTON BRIDGE 3015  Green  ALFL8 REDDINGTON REACH SETBACK  ALFL8 REDDINGTON REACH SETBACK  ALFL8 RUSSELL RD UPPER KENT  ALFL8 SE 180TH ST BRIDGE FLOODWALL  ALFL8 SE 380 PL AT SR 164  ALFL8 SE 380 PL AT SR 164  ALFL8 SE 384 ST @ 176 AVE SE  Green  ALFL8 SIGNATURE POINTE REVETMENT  ALFL8 TUK-205 SEGALE FLOODWALL  ALFL8 TUK-205 SEGALE FLOODWALL  ALFL8 TUK-205 USACE GACO REPAIR  ALFL8 USACE SWIF  Green  ALFL8 USACE SWIF  Green  ALFL8 DEACE SWIF  Green  ALFL9 COUNTYLINE TO A STREET  ALFL9 RIGHT BANK LEVEE SETBACK  ALFL9 RIGHT BANK LEVEE SETBACK  ALFL9 RIGHT BANK LEVEE SETBACK  ALFL9 WHITE - GREENWATER ACQ  AND ALFLES SPARK DRAINAGE IMPROVEMENTS  Beattle  BEATTING  BALFLES SEATIOR COUNTY SEATING  ALFLES SOUTH PARK PUMPSTATION  Seattle  ALFLS SPARK DRAINAGE IMPROVEMENTS  BEATTING  COUNTYWING  COUNTY SEATING  ALFLES SPARK DRAINAGE IMPROVEMENTS  BEATTING  COUNTY SEATING  COUNTY SEATING  COUNTY SEATING  COUNTY SEATING  COUNTY SEATING  ALFLES SPARK DRAINAGE IMPROVEMENTS  BEATTING  COUNTY SEATING  COUNTY SE | ALFL& HSB MCCOY REALIGNMENT  ALFL& HSB MURSING HOME SETBACK  ALFL& HSB NURSING HOME SETBACK  ALFL& HSB NURSING HOME SETBACK  ALFL& HTERIM SWIF IMPLEMENTATION  ALFL& HOME RUSSELL ACO KENT  ALFL& LWR GRN R CORRIDOR PLANEIS  ALFL& LWR GRN R CORRIDOR PLANEIS  ALFL& LWR GRN R CORRIDOR PLANEIS  ALFL& HOME RUSSELL LEVEE SETBACK  ALFL& HOME RUSSELL LEVEE SETBACK  ALFL& HOME RUSSELL LEVEE SETBACK  ALFL& PORTER LEVEE  Green  ALFL& PORTER LEVEE  Green  ALFL& RODDINGTON REACH SETBACK  AGreen  AGreenent  ALFL& SIGNTH ST BRIDGE FLOODWALL  ATT  ALFL& SIGNTH ST BRIDGE FLOODWALL  ALFL& SIGNTH ST REVETMENT  ALFL& SIGNTH ST REVETMENT  ALFL& SIGNTH ST REVETMENT  ALFL& SIGNTH ST REVETMENT  ALFL& SIGNATURE POINTE REVETMENT  ALFL& SI |                            | AFLS HSB MCCOY REALIGNMENT   Green | Basin   Type of project   Project | Display      | District   District |                    | Bit               | Part   Part | Book   Post states   Post st | Security   Security | Part   Part |

|                                    |            |                 |                   | 2017          |                |              |              |              |              |              |              |               |               |                                                                                                                                               |
|------------------------------------|------------|-----------------|-------------------|---------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                                    |            |                 | 2016 Inception to | Revised       |                |              |              |              |              |              |              |               |               |                                                                                                                                               |
|                                    |            |                 | Date              | Inception to  | 2017 Available | 2018         | 2019         | 2020         | 2021         | 2022         | 2023         | 6-Year CIP    | Project Life  |                                                                                                                                               |
| No. Title                          | Basin      | Type of project | Expenditure       | Date Budget   | Budget         | Requested    | Projected    | Projected    | Projected    | Projected    | Projected    | Total         | Total         | Comments                                                                                                                                      |
| 147                                |            |                 |                   |               |                |              |              |              |              |              |              |               |               |                                                                                                                                               |
| 148                                |            |                 |                   |               |                |              |              |              |              |              |              |               |               |                                                                                                                                               |
| 149 WLFLG FLOOD REDUCTION GRANTS   | Countywide | Grant           | \$2,585,919       | \$11,600,690  | \$9,014,771    | \$3,085,306  | \$3,161,211  | \$3,232,718  | \$3,303,258  | \$3,374,100  | \$3,445,293  | \$19,601,886  | \$31,202,576  | Competitive grant program for flood reduction projects. Increases as a proportion of total FCD tax revenue.                                   |
|                                    |            |                 |                   |               |                |              |              |              |              |              |              |               |               | Cooperative Watershed Management Grant Program; priorities recommended by watershed groups. Increase based on assumed inflation               |
| 150 WLFLG WRIA GRANTS              | Countywide | Grant           | \$11,348,474      | \$23,099,255  | \$11,750,781   | \$4,520,525  | \$4,654,617  | \$4,792,687  | \$4,934,853  | \$5,081,235  | \$5,231,960  | \$29,215,878  |               |                                                                                                                                               |
| 151 WLFLM EFFECTIVENESS MONITORING | Countywide | WLR Const       | \$1,616,734       | \$2,218,519   | \$601,785      | \$1,076,734  | \$702,778    | \$830,323    | \$813,940    | \$767,476    | \$510,698    | \$4,701,949   | \$6,920,468   | Evaluation of capital projects to determine effectiveness and identify project design improvements.                                           |
|                                    |            |                 |                   |               |                |              |              |              |              |              |              |               |               | Allocation to all King County jurisdictions for flooding, water quality, or watershed management projects. Increases as a proportion of total |
| 152 WLFLO SUBREGNL OPPRTNTY FUND   | Countywide | Grant           | \$27,038,460      | \$43,683,268  | \$16,644,808   | \$5,738,670  | \$5,879,852  | \$6,012,856  | \$6,144,060  | \$6,275,827  | \$6,408,245  | \$36,459,510  | \$80,142,778  | FCD tax revenue.                                                                                                                              |
| 153 WLFLX CENTRAL CHARGES          | Countywide | WLR Const       | \$652,217         | \$781,493     | \$129,276      | \$130,000    | \$132,600    | \$135,252    | \$137,957    | \$140,716    | \$143,531    | \$820,056     | \$1,601,549   | Central charges related to the FCD's capital fund.                                                                                            |
| 154 WLFLX FLOOD EMERGENCY CONTGNCY | Countywide | WLR Const       | \$300,001         | \$800,917     | \$500,916      | \$0          | \$250,000    | \$250,000    | \$250,000    | \$250,000    | \$250,000    | \$1,250,000   |               | Contingency for emergency response actions during a flood event.                                                                              |
| 155 Countywide Subtotal            |            |                 | \$43,541,805      | \$82,184,142  | \$38,642,337   | \$14,551,235 | \$14,781,058 | \$15,253,836 | \$15,584,068 | \$15,889,354 | \$15,989,726 | \$92,049,278  | \$174,233,420 |                                                                                                                                               |
| 156                                |            |                 |                   |               |                |              |              |              |              |              |              |               |               |                                                                                                                                               |
| 157 Grand Total                    |            |                 | \$212,219,265     | \$352,203,669 | \$139,984,405  | \$53,496,926 | \$69,841,091 | \$87,510,597 | \$44,311,625 | \$38,824,458 | \$61,980,837 | \$355,965,534 | \$708,169,203 |                                                                                                                                               |