



SWIF Action Plan – Draft Outline

Rev.: March 15, 2016 - DRAFT

Overview

The SWIF Action Plan chapter will describe the actions, funding and implementation of the Pierce County Puyallup River System Wide Improvement Framework (SWIF) Report. Implementation of the SWIF will be aligned with programmed funding over a 20-year period (2016-2036).

The Action Plan also establishes the schedule and milestones that will be coordinated with the United States Army Corps of Engineers (USACE) to track the progress in executing the SWIF. The schedule integrates all key activities for implementation, with identified milestones prioritized for implementation. Rectification work will focus first on correcting the deficiencies that pose the greatest risk to life safety, critical infrastructure and critical habitat. Programmed maintenance work will be directed to where there is a need to improve the performance of the levee to offset levee segments of chronic repetitive damage or changing site conditions. Capital improvements will be prioritized through the six-year Capital Improvement Program (CIP) funding process that will govern the pace of implementation. Structural and non-structural interim risk reduction measures will be implemented as needed, to reduce risks in locations where a capital improvement project or maintenance action is needed, but implementation is delayed.

The Action Plan is organized into the following elements:

- Deficiency Action Plan - How levee deficiencies either identified by the USACE through the USACE Continuing Eligibility Inspection (CEI) program, or through condition assessments coordinated through County Asset Management Program will be corrected. The intent is to bring all unacceptable deficiencies up to an “Acceptable” or, “Minimally Acceptable” level.
- Maintenance Program - How levee deficiencies will be identified, assessed, and maintained until they are corrected per the implementation schedule. The intent is to not allow further deterioration of the levee system while the SWIF is implemented. This plan will address routine maintenance as well as repair actions, identified through the Pierce County Surface Water Management (SWM) maintenance and operation Asset Management Program.
- IRRM Plan - How levee deficiencies will be addressed with structural and non-structural activities that reduce flood risks, while programmatic and capital projects are being completed. The intent is to provide for appropriate level IRRMs to optimize risk reduction while the SWIF is being implemented.
- Capital Maintenance Program - How identified levee performance goals will be met through a program of focused improvements (*refinements*) to the existing structure. The intent is to improve the resiliency of the levee system to better withstand the forces of the river and reduce risk over time.
- Capital Improvement Plan - How capital projects along PL84-99 levees identified in the Pierce County Rivers Flood Hazard Management Plan (RFHMP), Flood Control Zone District Comprehensive Plan of Development (CPOD), and SWM Capital Improvement Plan will be implemented. May include betterments to the existing structure that increase the level of service protection (i.e. floodwall on top of existing levee structure). The intent is to provide

SWIF Action Plan Draft Outline

for a suite of capital improvements for flood risk reduction as identified in the FHMP, or as needed to offset USACE identified levee maintenance deficiencies.

- Funding and Implementation – How the SWIF Action Plan will be implemented and funded over the duration of the plan. The intent is to show the sources of funding available to offset levee deficiencies and needed improvements as the SWIF is being implemented.

Phasing and Sequencing of the Action Plan

The Action Plan elements will be implemented through one or more of the following phasing and sequencing categories:

1. **Near-term actions** - to be completed in 2016-2017
2. **Mid-term actions** - to be completed concurrent w 6 year CIP (2016-2021)
3. **Long-term actions** - to be completed after 2021
4. **Programmatic actions** - ongoing
5. **Monitoring actions** - ongoing