Pierce County PUBLIC WORKS

2015

Flood Control Zone District
Maintenance & Operations Investment



Puyallup River near Neadham Road 11/1/15

Maintenance and Operations - River Systems

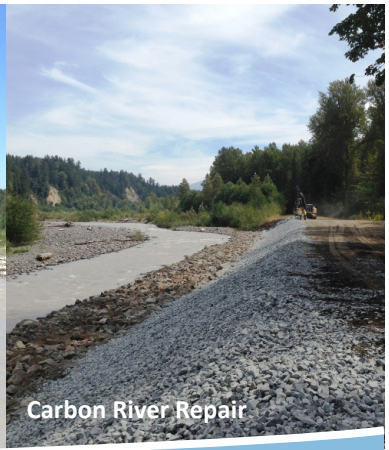
The Pierce County Flood Control Zone District invests 15 percent of its annual budget in the operation and maintenance of Pierce County's flood risk reduction facilities. In 2015, nearly $1.2 million was provided to Pierce County to repair and improve levees and revetments along rivers. The balance of maintenance and operation expenditures is funded by stormwater fees paid by property owners in unincorporated Pierce County.

The annual cost of maintaining these flood risk reduction facilities is based on preventative maintenance and in response to damage from weather events. The annual costs can be as low as $3.2 million or as high as $5.25 million, with an average expenditure being approximately $3 million. In 2015, the Pierce County river levee maintenance and operations budget is anticipated to be $4.6 million. In addition, Pierce County is working on a System Wide Improvement Framework Plan (SWIF). The plan will guide maintenance practices and action plans on specific Pierce County levees over the next 20 years. For more information on the SWIF, visit www.piercecountywa.org/swif.

Pierce County operates and maintains over 69 miles of levees and revetments along four major rivers: Puyallup, White, Carbon and Nisqually. Maintaining a consistent level of flood protection requires an annual program of repairs, rehabilitation, vegetation control and access maintenance. Providing consistent and reliable maintenance is vital to an effective system of flood risk reduction facilities and in remaining eligible for federal assistance.



Carbon River Repair



Carbon River Repair

By The Numbers: 2015 Pierce County Maintenance & Operations - River Systems

Maintenance and operations includes costs associated with the Orting Quarry, the flood warning system, maintenance of river flow gauges, vegetation management along levees, and the administration, planning and permitting costs associated with repairs and maintenance activities. Fourteen maintenance projects were completed during 2015. More than 3,000 lineal feet of levee and revetment were repaired.


Puyallup River

River and Location	Problem	Repair
Carbon RM 3.35 - Orting at Bridge St.	Levee Face / Toe Rehabilitation	Repair 200 lineal feet
Carbon RM 3.65 - Orting at city limits	Levee Face / Toe Rehabilitation	Repair 50 lineal feet
Carbon RM 3.8 - Pierce County Trail at Orting	Levee Face / Toe Rehabilitation	Repair 90 lineal feet
Carbon RM 4.2 - SR 162 at Orville Rd.	Levee Face / Toe Rehabilitation	Repair 40 lineal feet
Carbon RM 4.65 - SR 162 / 202nd Ave. E.	Levee Face / Toe Rehabilitation	Repair 147 lineal feet
Carbon RM 4.8 - SR 162 / 206th Ave. E.	Levee Face / Toe Rehabilitation	Repair 360 lineal feet
Carbon RM 5.3 - SR 162 / Pierce County Trail	Levee Face / Toe Rehabilitation	Repair 375 lineal feet
Carbon RM 6.35 - Middle Alward Rd.	Levee Face / Toe Rehabilitation	Repair 100 lineal feet
Carbon RM 7.2 - Upper Alward Rd.	Levee Face / Toe Rehabilitation	Repair 390 lineal feet
Carbon RM 6.2 - 6.3 - SR 162 / Ski Park	Levee Face / Toe Rehabilitation	Repair 735 lineal feet
Puyallup RM 21.45 - Soldiers Home Area	General Levee Maintenance	Repair 40 lineal feet
Puyallup RM 25.2 - Orville Rd. / Brooks Rd.	Revetment Face / Toe Rehabilitation	Repair 60 lineal feet
Puyallup RM 25.35 - Neadham Rd.	Revetment Face / Toe Rehabilitation	Repair 350 lineal feet
Puyallup RM 26.6 & 26.7 - Neadham Rd.	General Levee Maintenance	Repair 80 lineal feet

RM = River Mile; the distance in miles along a river from its mouth


Carbon River Repair


Carbon River RM 3.8