

DIRECTOR'S UPDATE – PUBLIC WORKS

Public Works and Health Committee

September 10, 2019

FILE UNDER AB: 2019 - 444
DATE RECEIVED: 9/10/2019
SUBMITTED BY: Jon Hutchings
Public Works
 COUNCIL MEETING
 Public Works COMMITTEE
EXHIBIT: _____

Subject. Summer/Fall Maintenance and Construction

Overview. Whatcom County delivered \$9M in planned maintenance so far this year. Add \$12M in transportation, flood control, and stormwater capital improvements by year end. These expenditures allow us to protect past investments in public facilities, meet service expectations for the future, and contribute directly to the strength of our local economy. Similar outlays are anticipated for 2020, including deferred maintenance and improvements to the Civic Building and Central Shop.

Authorization and Accountability. Maintenance expenditures are authorized biennially by the County Council in the Public Works Budget, while capital improvements are programmed in the Six-year Transportation Improvement Program and Six-year Water Resources Improvement Program and authorized annually in the capital section of the County budget. The six-year program documents are up for introduction this evening in advance of the mid-biennial budget authorization. Multi-year project authorizations (project-based budgets) streamline project delivery and accounting for large projects. Online project updates (<http://www.whatcomcounty.us/308/Public-Works>) and quarterly financial reporting (<http://www.whatcomcounty.us/151/Finance>) adds transparency and accountability to project management.

Summer Maintenance. Pavement reconstruction and preservation at Point Roberts included \$2M worth of shoulder work, materials, 200 border permits, 4.5 miles of asphalt pre-level, and 21 miles of chip seal. Chip seal at Point Roberts costs out to \$38,000 per mile compared to \$25,000 per mile in greater Whatcom County. Our crews also re-stripped 1,275 lane miles of roadway and maintained or replaced 7,600 signs to date this year (we have over 16,000), not to mention mowing, ditching, drainage and stormwater, repairing Birch Bay Drive, etc... Culvert replacements and repairs, including Graveline Road, are still underway. Bridge Crews are completing major projects at Goshen Road, Massey Road, and the ferry terminal. This year's \$500,000 dry dock for the Whatcom Chief began last Saturday. Passenger-only service will continue for two weeks.

Huge kudos to the Maintenance and Operations crews and all Public Works employees for another summer of exceptional commitment and hard work for the people of Whatcom County!

Capital Improvements.

Roberts Road/Anderson Creek Bridge

Replace an existing 69-foot channel girder bridge with new 83-foot pre-stressed, reinforced concrete bridge.
Contractor & contract amount: Strider Construction, Inc. for a contract amount of \$1,565,330.00
Estimated total project cost: \$2,000,000
Start: May 2019
End: October 2019
Road closure, detour in place.



West Badger Road/Bertrand Creek Bridge

Replace an existing 69-foot channel girder bridge with a 105-foot pre-stressed, reinforced concrete bridge.
Contractor & contract amount: Razz Construction, Inc. for a contract amount of \$2,076,378.
Estimated total project cost: \$2,600,000
Start: June 2019
End: December 2019
Road closure, detour routes for local traffic and commercial trucks are in place.



Bridge Crew setting the deck at Massey Rd.

Massey Road/Sumas River Bridge

Replace girders and install new guard rails on this existing 31-foot bridge which is currently structurally deficient and load restricted. This work will remove the load restriction and the structurally deficient designation on this bridge.
Contractor & contract amount: County Forces
Estimated total project cost: \$210,000
Start Date: August 2019
End Date: September 2019 has been reopened to traffic.

Small Area Paving, including Birch Bay Drive

Repave road sections including Birch Bay Drive, Truck Road, five Rail Crossings, and three bridge approaches.
Contractor: Western Refinery Services, Inc.
Estimated cost: \$195,000
Start Date: June 17th, 2019
End Date: September, 2019



Storm damage, Birch Bay Drive

Birch Bay Beach Restoration and Pedestrian Facility

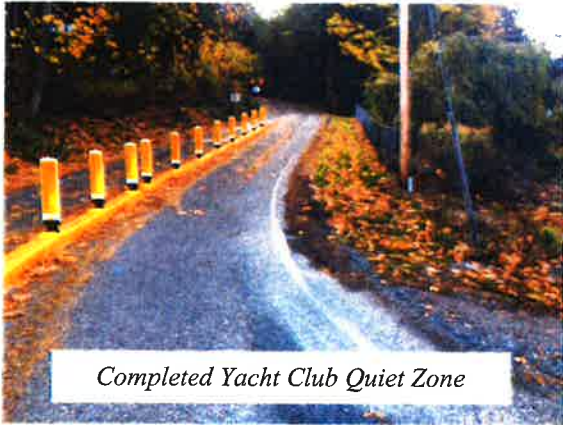
Construct 1.6 miles of restored beach, separated footpath and storm protection. Project is fully designed, permitted, and ROW is acquired. Bid package to ad on Sept 18th.

Estimated total project cost: \$14,500,000

Start: November 2019

End: March 2020

Road closure, detour advertised.



Completed Yacht Club Quiet Zone

Railroad Quiet Zone-Cliffside Drive

Quiet zones are slated for Cliffside Drive and Cove Road crossings. Cliffside Drive is anticipated to be completed in fall of 2019. Cove Road not anticipated until 2021. The duration of the Cliffside project will be 2-3 days. Engineer Est. \$35,000. Total cost \$50,000 for each crossing.

Lake Whatcom Blvd Speed Sign

Ordinance 2017-063 reduced the speed limit along a portion of Lake Whatcom Blvd to 25 mph. A new radar speed sign will remind northbound drivers to slow down.

Contractor: TBD

Total cost \$26,000

Start: October 2019



Lake Whatcom Blvd. Location

Everson-Goshen Road/Smith Road Roundabout Illumination

Additional lighting at the Everson-Goshen Rd. / Smith Road roundabout will increase night time visibility at the intersection, improve safety, and reduce accidents

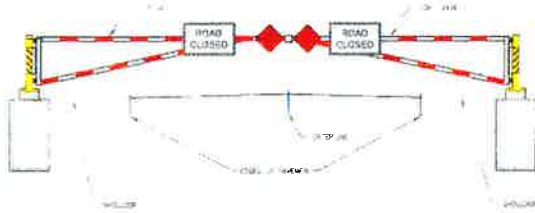
Contractor: TBD

Total cost \$5,000

Start: Winter 2019

Road Closure Gates

Permanent gates will allow for safe and rapid road closures and re-opening at a commonly flooded section of Marine Drive, reducing the burden for law enforcement and emergency responders. Robust public outreach is underway. Install will be completed in late fall of 2019. Engineers Est. \$40,000. Total cost \$50,000.



Proposed gate design



Marine Drive Flooding



Ferry Terminal Approach Span Redecking

Replace selected sections of aging wooden deck at Gooseberry terminal.

Contractor & contract amount: County Forces

Estimated total project cost: \$60,000

Start: September 2019

End: September 2020

Agate Bay Stormwater Improvement Phase II – Lake Whatcom Watershed

The Agate Bay Stormwater Improvement Project - Phase 2 will complete stormwater treatment for approximately 65 acres in the Agate Bay Neighborhood. Primary goals include reducing the phosphorus runoff entering Lake Whatcom. 2019 improvements include three new stormwater treatment vaults, new stormwater conveyance systems and ditch enhancements.

Contractor: TBD

Total project cost: \$780,000

Start: August 2019

End: October 2019



Birch Bay Drive at Point Whitehorn Drainage

Improve drainage along Birch Bay Drive by upsizing stormwater conveyance system between Pt. Whitehorn Road and Holeman Ave. A new outfall will be constructed into an existing retention pond.

Engineer: Tetra Tech, Inc.

Contractor: TBD

Total project cost: \$1M

Start: September 2019

End: November 2019



Rayhorst Levee Repair

Restore a 200 ft long section of the levee by widening the levee top width to 10 ft and grading the levee backslope to a minimum of 3:1. Topsoil and hydroseed disturbed areas for soil.

Contractor: Len Honcoop Gravel, Inc.

Total project cost: \$86,800

Start: September 2019

End: October 2019

Marietta Flood Risk Reduction

Acquiring repetitive flood loss properties in Marietta to reduce flood risk has been ongoing since 2001. This house will be demolished in September 2019; project cost includes asbestos removal and disposal fees.

Contractor: Iverson Earthworks, Inc.

Total project cost: \$65,000

Start: September 2019

End: September 2019





Sande-Williams Levee Rehabilitation

Reconstruct approximately 680 ft of the Sande-Williams levee and riprap protection damaged during 2018.

Contractor: US Army Corps of Engineers

Total project cost: \$425,000

Start: July 2019

End: August 2019

Hannegan Levee Rehabilitation

Restore approximately 300 linear feet of levee using a combination of embankment material, bank armoring and buried riprap with launchable toe. On-site soil was used to cover the entire project limits (including rock) and will be hydroseeded end of September for soil stabilization and grass establishment. Large woody debris was also placed over the rock closer to the water level. Native planting will be planted riverward of the levee as mitigation to provide for riparian habitat function.

Contractor: US Army Corps of Engineers

Total project cost: \$480,300

Start: July 2019

End: September 2019



Twin View Levee Repair Rehabilitation

Reconstruct approximately 350 linear feet of levee using a combination of embankment material, bank armoring and buried riprap with launchable toe. The alignment of the levee was shifted slightly landward to minimize in-stream work. Extra material was used to improve the backslope of an additional 1,800 linear feet of levee. Topsoil was imported and placed to cover the entire project limits and will be hydroseeded end of September for soil stabilization and grass establishment.

Contractor: Various

Total project cost: \$380,000

Start: July 2019

End: September 2019