



DIRECTOR'S UPDATE – Public Works 2021 Construction Outlook

Public Works and Health Committee, June 1, 2021

Public Works will deliver about \$10M of new construction in 2021. Birch Bay remains a focus of attention this year as we wrap up the berm contract, make further stormwater improvements along Birch Bay Drive, and prepare to repave the road in 2022. This summer, we also attend to the next phase of bicycle and pedestrian safety improvements along Marine Drive leaving Bellingham, resolve long-standing drainage problems on E. Hemmi Road, improve fish passage along Truck Road, and complete preservation work on our ferry terminals. Two slide repairs from a January 2021 event, Deer Trail and Marshall Hill Road, will be addressed if staff resources allow. In the longer term, our transportation focus is shifting toward a suite of major intersection improvements to safely accommodate the growing number of vehicles on our rural roads. Stormwater quality around Lake Whatcom and the urgency of better floodplain management are still with us. We have not forgotten the impacts of last year's flood.

ENGINEERING DIVISION

Birch Bay Beach Restoration and Pedestrian Facility

Construct 1.6 miles of restored beach and separated footpath on a roadway protection berm. Project is fully constructed and entering a one-year plant establishment period in April 2021; however, contract will remain open until establishment period is complete in April 2022.

Contractor: Granite Construction Co.
Estimated total project cost: \$15,250,000
Start: June 2019
End: April 2022
Road restrictions – minor/one-lane closures.



Marine Drive – Locust Avenue to Alderwood Avenue

The work involves the reconstruction of approximately ½ mile of rural roadway in the City of Bellingham's UGA to current city urban standards. Emphasis on bike/pedestrian enhancements, crosswalk, stormwater quantity/quality treatment and illumination.

Contractor: TBD by bid process
Estimated total project cost: \$4,177,200
Start: August 2021
End: Spring 2022
Road restrictions – major/one-lane closures.



Birch Bay Lynden Road – Enterprise Rd. to Rathbone Rd.

The work will involve the pavement rehabilitation of approximately 2 miles of roadway, installation of rumble strips and new pavement markings.

Contractor: TBD by bid process

Estimated total project cost: \$1,150,000

Start: August 2021

End: September 2021

Road restrictions – major/one-lane closures.



East Hemmi Road Flood Mitigation Project

Project involves raising an approximately 1,000-foot portion of East Hemmi Road that is chronically underwater and replacing the 5-foot diameter culvert at Ten-Mile Creek with a 16-foot span aluminum structural plate culvert. East Hemmi Road will be closed during construction which is expected to begin in early July of 2021 and continue through October of 2021.

Contractor: Granite Construction Co.

Estimated total project cost: \$1,745,000

Start: July 2021

End: October 2021

Road restrictions - **closure**, signed detour in place.



Truck Road Fish Passage Project

Project involves replacing the existing 5-foot diameter culvert, which has been identified as a barrier to fish passage, with a 15-foot span aluminum box culvert. Construction will be completed by Maintenance & Operation forces with construction expected to begin in July 2021 and run through September 2021. Truck Road will be closed during construction with a signed detour route in place.

Contractor: County Forces

Estimated total project cost: \$450,000

Start: July 2021

End: September 2021

Road restrictions - **closure**, signed detour in place.



Gooseberry Point Terminal Preservation Project

Project involves prep work and application of new paint system on the tower assembly, transfer span and apron structures on the Gooseberry Point ferry terminal. Majority of the contractors work will occur during the 3-week ferry dry dock period.

Contractor: Purcell Paintings & Coatings

Estimated total project cost: \$700,000

Start: August 2021

End: October 2021

Road restrictions – minor/one-lane closures



Small Area Paving

This work will address settling bridge approaches at approximately 15 bridges across the County. Work will include grinding out the damaged approaches, paving and striping work. This project will also provide pavement work support to other Public Works projects as needed.

Contractor: TBD by Bid process

Estimated total project cost: \$300,000

Start Date: July 2021

End Date: September 2021

Road restrictions – minor/one-lane closures



Swift Creek

Work this fall will include channel excavation below the Goodwin Road bridge and additional site grading work at the Oat Coles North Repository. Work will also include demolishing of the existing structures and site improvements on the Oat Coles South Mitigation site (former Gimaka property).

Contractor: Boss Construction for channel ex;
TBD by Bid process for other work

Estimated Cost: \$400,000

Start: September 2021

End: November 2021

Road restrictions – minor/off roadway



STORMWATER DIVISION

Harborview Road / Birch Bay Drive Stormwater Improvements

The project was put out for construction bids in late 2020, with construction of Phase 1 (outfall to Bay) completed in January 2021 in coordination with the Berm project. The remaining work, Phase 2, will be constructed in September through October 2021. This project scope will install 2,000 feet of unsized storm sewer pipe and 21 catch basins along Harborview Road.

Contractor: Interwest Construction
Estimated total project cost: \$1.2 million
Start Date: September 2021
End Date: Oct/Nov 2021
Road restrictions – major/one-lane closures



Silver Beach Creek Phase 1

Project will retrofit an existing stormwater system in the Woodlake Meadows Estates community. A Modular Wetland vault will be installed to capture phosphorus before entering into Silver Beach Creek within the Lake Whatcom basin.

Contractor: TBD by Bid process
Estimated total project cost: \$820,000
Start Date: August 2021
End Date: September 2021
Road restrictions – **closure**, signed detour in place.



Leeward Way Drainage Improvements Project

Construct a new outfall to collect and convey surface water in the Leeward Way Right-of-way to the shore. Project was suspended late 2020, due to weather; roadway paving was **completed** in late May 2021.

Contractor: Henefin Construction
Estimated total project cost: \$300,000
Start Date: October 2020

RIVER AND FLOOD DIVISION

Abbott Levee Habitat Improvement Project

Whatcom County will construct woody habitat structures along the river bank in the vicinity of Abbott Levee and Abbott Road. Proposed improvements will help mitigate ongoing erosion threatening the existing levee and road while providing critical salmon habitat.

Contractor: TBD by Bid process

Estimated total project cost: \$690,000

Start: July 2021

End: October 2021

Road restrictions – minor/off roadway



Erosion threatening Abbott Levee and Road

Lynden Levee Channel Realignment Project

This project includes realigning and enhancing the salmon habitat to a drainage channel that runs adjacent to the Lynden Wastewater Treatment plant. The project is being constructed in conjunction with a levee improvement project by the US Army Corps of Engineers. The combined projects will improve the reliability of flood protection to the Lynden WWTP and the adjacent floodplain areas.

Contractor: Awarded to Strider Construction

Estimated total project cost: \$650,000

Start: August 2021

End: October 2021

Road restrictions – minor/off roadway



Floodwaters overtopping Lynden Levee at Lynden Waste Water Plant - 2020 Floods

In design for 2022

- N. Lake Samish Bridge #107 – design, permitting, R/W acquisition; CN – 2022 or 2023
- E. Smith/Hannegan Intersection (2-lane Roundabout) - permitting, R/W acquisition; CN 2022
- Fish Passage (3) – Deal Rd, Mosquito Lk Rd, and Kenny Crk; design, permitting, R/W
- Pavers (3) – Birch Bay Dr, Lk Louise, and Austin St; design, permitting, CN 2022-2023
- Lummi Island Breakwater – bid in late 2021, CN in 2022 due to constraints on steel availability
- ADA Transition Plan for County Road Rights-of-Way – approved by Council May 2021, working on barrier priorities.