

County Council Update on Transportation Projects and Emergency Repairs – March 22, 2022

**2022 Transportation Annual Construction Program
Capital Projects Delayed & Major Emergency Work Added
*-provisional information for planning purposes only-***

Capital Projects Delayed:

Project Number	Project Title	Reason
R2	E. Smith / Hannegan Intersection Improvements (Fed)	CN delayed - R/W Acquisitions; Utility Relocations to complete.
R5	Marshall Hill Rd – Slide Repair / Culvert Replacement	CN delayed – Additional Slides on road; PE work delayed.
B2	Jackson Rd / Terrell Crk Brdg No. 81 Replacement	PE delayed – staff constraint, unable to initiation final design efforts.
B4	N. Lake Samish Bridge No. 107 Replacement (Fed)	CN delayed - R/W Acquisitions; Long lead time on girders.
B12	Deal Rd / Fish Passage Improvement	PE delayed – staff constraints, unable to finish in-house design.
Y9	Beam Guardrail Replacements / Upgrades	PE & CE delayed – staff constraints, unable to finish in-house design.

Major Emergency Work Added:

Work Order	Project Title	Reason/Status	Estimated Project Cost	Whatcom Co Share (15%)
22437	North Fork Rd - Major road/fill slope failure.	Adjacent to N. Fork Nooksack River/loss of roadway fill slope. 75% complete with permanent repairs. FEMA	\$1,135,000	\$170,000
22314	Birch Bay Lynden Rd - Major culvert failure/road washout.	Plugged culvert/complete road failure/loss of structure. Temp repairs 100% complete; permanent repair is future Fish Passage structure. ER-FHWA	\$810,000	\$121,000

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Work Order	Project Title	Reason/Status	Estimated Project Cost	Whatcom Co Share (15%)
22293	Goshen Rd --Major slope failure/road washout.	Plugged culvert resulted in complete road failure and loss of structure/guardrail. Temp repairs 0% complete; permanent repair w/Brdg Rplc; FEMA	\$175,000	\$26,000
22541	South Pass Rd - Major slope failure/road impassible.	Ground water-activated failure plane caused road failure. 75% complete with temp repairs. ER-FHWA	\$700,000	\$105,000
22517	Silver Lake Rd - Major debris slide / road impassible.	Plugged culvert resulted in debris flow; blocked road; shoulder and ditch scour. Permanent repairs 90% complete. FEMA	\$200,000	\$30,000
22550	Sunset Ave - Slope failure/road washout.	Saturated slope eroded by Silver Creek. Safety measures in place. 0% repairs complete. FEMA	\$800,000	\$120,000
22322	Drayton Harbor Rd - Slope failure/one-lane road.	Saturated shoreline slope eroded by wave action of Drayton Harbor. Safety measures in place. 0% repairs complete. FEMA	\$2,200,000	\$330,000
22584	Beach Ave (Lummi Is) - Major road failure/road washout.	Plugged culvert resulted in debris flow, roadway section loss and ditch scour. One-lane access; 5% repairs complete. FEMA	\$500,000	\$75,000
22453, 22461	Northwest Dr - Shoulder failure/pavement undercut (2 sites).	High flows eroded shoulder, undercut lane. Permanent repairs 100% complete. ER-FHWA	\$170,000	\$25,000
OF 1282	Swift Creek – Emergency Channel Maintenance	Heavy rain events caused major slide activity	\$150,000	\$22,000
22576	Mosquito Lk Rd – Major road failure/one-lane road.	Plugged bridge opening at Porter Crk caused loss of road section. Permanent repairs 100% complete. FEMA	\$200,000	\$30,000

Total Add

\$7,040,000

\$1,056,000

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General Comments:

- Approximately 45% of **Emergency Repair** work is complete; remaining work pursued this Spring/Summer. Several sites will become 2023/2024 Capital Projects, but retain emergency funding [Drayton Harbor, Beach Ave, Sunset, S. Pass].
- Repair costs are approximate. Rising fuel costs and other inflationary factors could increase costs. Supply chain backlogs remain a problem for timely project delivery.
- Several projects are not reported as current emergency repairs; because, they occurred before Nov 2021 or require *future* fish passage – Deer Trail, Marshall Hill Rd, and Birch Bay Lynden Rd Fish Passage. These projects will affect overall staff workload & project delivery.
- The 2022 Annual Construction Programs is reduced approximately \$14M with the delayed projects removed.
- Currently the Engineering Division is down two key positions – D/C Engr Mngr and Design Engr II. Project management and delivery will be reduced through 2022.
- Reimbursement costs are still preliminary with both FEMA-PA and FHWA-ER. FEMA started detailed evaluation of emergency funding on 3/16/22, meeting with Public Works and performing detailed site reviews. FHWA review expected near latter part of 2022.

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2022 River and Flood Capital Program
Capital Projects Delayed & Major Emergency Work Added
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Capital Projects Delayed:

WRIP Number	Project Title	Reason/Status
24	Cougar Creek Flood Gate/Neevel Levee	Delayed from 2023 to 2024
27	Bertrand Levee Stabilization	Delayed indefinitely (SWIF)

Major Emergency Work Added:

Project Number	Project Title	Reason/Status
19, 34	November 2021 Flood Mitigation – Acquisitions/Elevations	Multi-phase project starting in 2022
20	Marine Dr Levee Repair	Damage repair in 2022, mitigation for emergency work likely in 2023 or later
25	Everson Overflow bank stabilization	Project scale/scope reduced and accelerated to 2022
26	Truck Road Bank Stabilization	Larger-scale emergency work in 2022/mitigation likely in 2024
31	Glacier-Gallup	Project phased and phase 1 accelerated to 2023
New	Timon Levee Rehabilitation (USACE)	Rehabilitate emergency project site
New	Fishtrap Levee/Twin View Levee/Polinder Levee/Lynden Levee	Additional work and mitigation needed in 2022
New	Upper Hampton Levee Rehabilitation (USACE)	New rehabilitation project

- Special district support and needs could lead to additional new projects (Macauley Creek FCD, DID #15 and subzones)

