

PUBLIC WORKS ASSEMBLY UPDATE
WORK COMPLETED THROUGH NOVEMBER 2020

CARES ACT- City Hall Lobby Tenant Improvements and Hands-free Devices
(BIDDING AND CONSTRUCTION PHASE)

Milestones This Period

- Contract issued to CBC Construction, Inc. in the amount of \$93,490.
- All future milestones are in progress.

Future Milestones

- Construction to begin on Friday, November 27.
- City Hall will be closed to the public November 26-December 18.
- Construction is scheduled to be substantially complete December 21, 2020.

Background

The project has been initiated with Federal CARES Act funding intended to address issues incurred due to the COVID-19 public health emergency. Key improvements to City Hall are focused on improving customer service and safety via social distancing and installation of hands-free devices. Reconfiguration of the first-floor lobby area, featuring the installation of banker's windows, will allow customer service activities to be conducted more efficiently and more safely. Hands-free devices, such as soap/sanitizer dispensers, paper towel dispensers, faucets, flushers and hydration stations will be installed at various public locations throughout Sitka.

\$350,000 – City Hall Improvements

\$205,000 – Hands-free devices

\$555,000 – Total Available Project Funding

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|------------|-------------------------------|----------|
| Contracts: | PTS, Inc (project management) | \$50,000 |
| | CBC Construction, Inc | \$93,490 |

Critical Secondary Water Supply (DESIGN PHASE)

For more information and history on this project, visit the City website at:

www.cityofsitka.com > Public Works Department > Public Works Projects > Critical Secondary Water Supply – or go directly to:

<https://www.cityofsitka.com/government/departments/publicworks/projects.html>

Milestones This Period

- Completed peer review of the 95% design documents.
- All future milestones are in progress.

Future Milestones

- Apply for Economic Development Administration grant to support construction of CBS and NSRAA Sawmill Creek water intake: November 2020.
- Finalize two agreements with NSRAA: the first agreement will detail cost sharing for design and construction; and the second will detail ownership, operations and maintenance after construction: December 2020.
- Issue for Construction documents and solicit construction bids for Sawmill Creek intake and filter plant: December 2020.
- Award construction contract: February 2021.

- Substantial Completion for secondary water source project anticipated in April 2022.

Background

The project is for design and construction of a secondary water source, for when the primary water source – Blue Lake water treated with ultraviolet (UV) radiation – is unavailable. Blue Lake water will not be available when the Electric Department inspects and maintains the penstock providing water from the dam to the power plant. Blue Lake water may also require filtration – not just UV treatment – if turbidity levels continue to exceed regulatory thresholds. Total project cost is estimated at \$18 million. Funding for the project is provided by:

\$530,000 – Working Capital
 _\$17,620,000 – Alaska Clean Water Fund loan
\$400,000 – Alaska Clean Water Fund loan
 \$18,550,000 – Total Available Project Funding

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| Current Contracts: | CRW Engineering Group (design) | \$1,104,291 |
| | Jacobs (design review, design management) | \$87,000 |
| | Pall Water (supply filtration equipment) | \$2,341,355 |

Crescent Harbor Float Replacement – Phase I (CONSTRUCTION PHASE)

Milestones This Period

- The install marine sewage pump-out work was awarded to Island Enterprises Inc. on November 2. The protest period ended November 13. This work is partially funded under an Alaska Department of Fish and Game grant.
- All future milestones are in progress.

Future Milestones

- The Turnagain Marine Construction contract is in the process of being closed out. All work is complete.
- Issue Notice to Proceed to Island Enterprises Inc. for the sewer pump-out project.
- Substantial Completion is required by December 2020.

Background

The physical condition of Crescent Harbor had deteriorated to point where in-house repairs are no longer sufficient to adequately maintain the facility. Harbor Department staff and Public Works Department engineers determined the harbor now presents an operational and safety risk due to floats sinking, decay of wooden beams, corrosion of metal fixtures and failure of walk-down ramps to meet ADA accessibility requirements. Installation of a new sewer pump-out station on the dock was funded separately under an ADF&G grant. This work follows the main float replacement work.

The project has an estimated total cost of \$13 million for design and construction. Funding for this project is provided by the following sources:

\$1,000,000 – Harbor Fund Working Capital
 \$5,000,000 – AK DOT Harbor Matching Grant

\$8,025,000 – Harbor Revenue Bonds
\$39,000 – AK Dept of Fish and Game
\$14,064,000 – Total Available Project Funding

Current Contracts: Jacobs (project administrative support) \$315,905
Turnagain Marine Design-Build Contract \$13,149,652

Sitka Cross Trail Phase 6 (CONSTRUCTION PHASE)

Milestones This Period

- 8,150 feet (of 14,000 feet total) of rough trail constructed through November 18, including 730 feet topped with surface course (D-1 gravel).
- Approximately .5 mile plus the No Name Bridge left to complete before main line Cross Trail complete.
- .6 mile connector to Sitka Rock docks to begin within the next month.

Future Milestones

- Complete rough trail construction, Winter 2020-21, weather permitting.
- Construction of No Name Creek bridge, Spring 2021.
- Finish Harbor Mountain Road connector, Summer 2021.
- Construction of Old Sitka Rocks trailhead connector, Summer 2021.
- Substantial Completion, September 2021.
- Open for recreational trail use, October 2021.

Background

The project includes extending the Sitka Cross Trail from Harbor Mountain Road north to the Starrigavan Boat Launch overflow parking lot, adjacent to the USFS Forest & Muskeg trailhead. The project also includes a connector trail and small parking lot in the vicinity of No Name Mountain for users to access the Cross Trail from the Old Sitka cruise ship dock. The total length of new trail to be constructed is 14,000 feet (2.6 miles), increasing the total length of the Sitka Cross Trail system to over 8 miles, including multiple access points throughout.

The project is being constructed by Sitka Trail Works, who has assisted with the development of the project from start to finish. The current funding plan is as follows:

\$ 2,132,698 – Grant from Western Federal Lands
\$ 72,575 – CBS GF and/or CPET Funds
\$ 142,596 – STW contribution
\$ 2,347,869 – Total Available Project Funding

Current Contracts: Sitka Trail Works, Inc. \$2,010,644

Sitka Sea Walk Phase 2 (PLANNING & DESIGN PHASE)

Milestones This Period

- Federal funding secured for design phase of project.
- Additional scoping effort has been performed to explore reducing costs estimated for preferred alternatives. (Route described in Background section below is likely

too expensive to fit within existing funding. Project may look to build a portion of the route only.)

- Revised scoping has resulted in cost estimate reductions for Segment 2 of the alignment described below (adjacent to O'Connell Bridge).
- All future milestones are in progress.

Future Milestones

- A Memorandum of Agreement between CBS, ADOT and Western Federal Lands (WFL) is being finalized to delineate final project scope, funding, ownership and maintenance responsibilities for new facilities and roles of project delivery team.
- Design phase to kick off in late 2020 with plans for multiple meetings throughout the process.
- Construction is estimated to begin 2022.

Background

The project includes extending the Sitka Sea Walk from the Sitka Public Library toward (and under) O'Connell Bridge and terminating at the West end of Lincoln Street at its intersection with Harbor Way. Phase 2 of the Sea Walk, an 8-foot wide handicap accessible multi-use path, will continue the same theme as the first phase of the Sea Walk that extends from Harrigan Centennial Hall East through Crescent Harbor Park toward Sitka National Historical Park. The project is being delivered (managed) by ADOT and WFL in coordination with CBS. The project will be designed in 2020-2021 and construction is expected to begin in 2022. Multiple rounds of public involvement are anticipated throughout the design process. The current funding plan is as follows:

\$ 1,896,084 – Grant from Western Federal Lands
 \$158,060 – CBS GF and/or CPET Funds
\$2,054,143 – Total Available Project Funding

Current Contracts: PTS, Inc (project management)

\$50,000

Peterson Storm Sewer Rehabilitation (DESIGN PHASE)

Milestones This Period

- All future milestones are in progress.

Future Milestones

- Complete design, November 2020.
- Project to be bid this fall/winter for construction in Summer 2021 when public schools are not in session. The closure of Peterson Street would cause major school-bus delays.

Background

The project includes replacement of deteriorated 60" corrugated metal culvert crossing under Peterson Street with a 15' wide plate arch culvert, allowing for fish passage. Peterson Street is a collector street that provides critical access to side streets and local residences as well as to Sitka High School.

Construction cost is estimated at \$900k. Funding for the project is provided by:

\$1,020,000 – General Fund Working Capital
 \$55,000 – National Fish & Wildlife Foundation design grant
 \$60,000 – U.S. Fish and Wildlife Service Fish Passage construction grant
\$80,000 – U.S. Fish & Wildlife Service Fish Passage construction grant
 \$1,215,000 – Total Available Project Funding

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| Current Contracts: | DOWL (design) | \$116,070 |
| | PTS, Inc. (project management) | \$ 41,000 |

Channel and Eagle Way Lift Station Rehabilitation (CONSTRUCTION PHASE)
Milestones This Period

- Construction is nearly complete. Substantial completion delayed due to complications with installation of new generator at Eagle Way.
- Both Channel and Eagle Way lift stations are operational.
- Channel lift station has passed final inspection.
- All future milestones in progress.

Future Milestones

- Complete installation of new backup generator at Eagle Way.
- Perform final inspections for Eagle Way lift station.

Background

Eagle Way Lift Station is responsible for pumping all sewage East of Eagle Way toward the Wastewater Treatment Plant. Channel Lift Station is responsible for an apartment complex and one private residence on Halibut Point Road. Both lift stations require excess maintenance due to corrosion and/or outdated pumping equipment. Project will rehabilitate lift stations, re-using existing infrastructure to the extent feasible.

Funding for the project is provided by:

\$250,000 – DCCED grant (Eagle Way Lift Station)
 \$530,000 – Wastewater Fund Working Capital (Eagle Way Lift Station)
 \$108,266 – Wastewater Fund Working Capital (Channel Lift Station)
\$371,109 – ACWF loan (Channel Lift Station)
 \$1,259,375 – Total Available Project Funding

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| Current Contracts: | DOWL (C-EW portion of bigger design project) | \$107,984 |
| | DXPE (Eagle Way portion of pump supply contract) | \$ 56,714 |
| | Boreal Control (C-EW portion of control equipment supply contract) | \$ 97,200 |
| | Marble Construction (construction) | \$841,836 |
| | PTS, Inc (C-EW project management) | \$ 49,000 |

Brady Lift Station Rehabilitation (DESIGN PHASE)

Milestones This Period

- Bids opened November 13.
- K&E Alaska is the apparent low bidder.
- Assembly request for supplemental funding has been submitted based on bid low bid amount.
- All future milestones are in progress.

Future Milestones

- Issue Notice to Proceed to low bidder upon Assembly approval of supplemental funding: December 9, 2020.
- Construct Brady Lift Station improvements:
 - Start construction: January 2021.
 - Substantial Completion: May 1, 2021.
 - Physical Completion: June 2021.

Background

Brady Lift Station is responsible for pumping all sewage generated North of Brady Street to the Wastewater Treatment Plant. A plug valve in the lift station has failed, making it impossible to isolate one of the three pumps for maintenance. Equipment is outdated and requires excessive maintenance. Project will rehabilitate lift station, re-using existing infrastructure to the extent feasible. Work is scheduled to minimize impacts to True Value. The project will require use of part of their parking lot.

The estimated construction cost for the project is approximately \$640K. Funding for the project is provided by:

\$217,400 – ACWF loan

\$428,759 – Wastewater Fund Working Capital

\$646,159 – Total Available Project Funding

A supplemental budget request for \$400K has been submitted to fully fund the project.

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| Current Contracts: | DOWL (Brady portion of bigger design project) | \$128,458 |
| | DXPE (Brady portion of pump supply contract) | \$ 53,730 |
| | Boreal Control (Brady portion of control equipment supply contract) | \$ 78,192 |
| | PTS, Inc (project management) | \$ 37,000 |

Knutson Drive Emergency Road Reconstruction (DESIGN PHASE)

Milestones This Period

- Contract awarded to DOWL to complete design.
- All future milestones in progress.

Future Milestones

- Project to be bid this winter/spring 2021 for construction in Summer 2021.

Background

The project was developed to study embankment stabilization and road repairs necessary due to the gradual subsidence of the slope on the downhill side of Knutson

Drive in two locations. The slope failures have required the closure of 1 lane of Knutson Drive in two locations. CBS previously contracted with DOWL to perform geotechnical explorations and a report analyzing the Knutson Drive embankment. The report recommended slope reinforcement and retaining wall construction. CBS has executed a follow up contract with DOWL to perform design of two retaining walls.

Construction cost is estimated at \$775k. Funding for the project is provided by:

\$1,000,000 – General Fund Working Capital

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| Current Contracts: | DOWL (design) | \$ 48,070 |
| | PTS, Inc. (project management) | \$ 80,000 |

Maintenance Activities

Streets

- Repaired storm damage on South Kramer Ave, Charteris St., Georgeson Loop, Cross Trail Trailhead on Charteris, and Trail Head Kramer Ave., Eliason, and Versa Place.
- Cleared clogged culvert on Blue Lake Rd.
- Ditched out the washout at Green Lake Rd gate.
- Cleaned up a land slide on Sand Dollar Drive.
- Cleaned out clogged catch basins and culverts with vacuum truck.
- Replaced culvert at Jacobs Circle and South Kramer with 30in culvert.
- Swept streets.
- Cleared ditches on South Kramer after a second storm event. Cleared culverts and repaired trail head.
- Removed a car wreck on O'Connell Bridge as per request of Sitka P.D.
- Graded gravel roads.
- Buried bio-solids.
- Assisted the Water Dept. in repairing a waterline on Lake St.
- Spread deicer chemical and sand on slippery rds.
- Repaired drainage on Shuler and Darrin Dr.
- Set up snow dump areas.
- Switched equipment for snow removal operations.
- Cleaned out culverts on Benchland Rd.
- Trained personnel on new asphalt reclaimer machine.
- Used new asphalt reclaimer to make asphalt patch at Pole Barn at City Shops.
- Dug out drainage sump at top of Charteris.
- Removed abandoned vehicles from Granite Creek Rd.
- Buried materials at the construction debris pit.

Central Garage

- Rebuilt the bottom of sand box on vehicle unit #413.
- Replaced the spreader engine on vehicle unit #469.
- Swapped out tires on unit #404 with tires from vehicle units #413 and #379.

- Repaired airline on the tilt trailer and adjusted air brakes.
- Checked out new asphalt reclaimer.
- Inspected new Police Vehicle #488 and installed new decals.
- While changing tires on vehicle unit #379 we discovered a rear leaf spring cracked and ordered new springs and replaced them.
- Serviced vehicle unit #413. Welded on D rings for easier towing.
- Road call to replace ruptured hydraulic hose on excavator unit #317.
- Serviced unit #247 and made ready for snow removal.
- Serviced 4 Senior Center vans.
- Had two road calls for flat tires.
- Changed to winter tires on Police vehicles, Senior Center vans and two service vehicles.
- Repaired automatic chains on Ambulance unit #440.
- Numerous other smaller repairs.

Scrapyard

- Scrapyard processed 179,510 lbs. of scrap metal.
- Shipped 8 Gondolas out with an average weight of 11.21 Tons per Gondola.

Water/Wastewater

The on-line monitoring analyzers at the Corrosion Control Facility on Jarvis St. were antiquated and replacement parts could no longer be procured. Water operators replaced the old analyzers with a skid-mounted analyzer panel. Certain constituents are required to be monitored at all times so water operators set up analyzers in a temporary fashion while they installed the new skid.



Photos: Antiquated analyzers, temporary chlorine analyzer, skid-mounted analyzers being installed

Substantial completion of the Wastewater Treatment Plant Rehabilitation Project is scheduled for the second week of December. Inspections, training and commissioning

of all the systems will take place in December and January. Staff will begin moving back into the laboratory and administrative offices over the coming weeks.



Stand-by generator exhaust pipe installation



Motor control center



Administrative area floor and doors/frames install



Roof exhausts



Panel install