

PUBLIC WORKS ASSEMBLY UPDATE
WORK COMPLETED THROUGH SEPTEMBER 2020

Wastewater Treatment Plant (WWTP) Rehabilitation (CONSTRUCTION PHASE)

Milestones This Period

- New insulated metal panel siding & flashing installation.
- Installation of the new electrical service and switch over from the old/existing service and equipment.
- Completion of significant portions of the installation of the new mechanical systems.
- Installation of lighting, life safety devices, heat pumps, and ceiling grid in Administration Area.
- Painted existing overhead doors that are to remain.

Future Milestones

- Installation of flooring and final finishes: October 2020.
- Installation of new casework: October 2020.
- Installation of new fiberglass doors and frames: October 2020.
- Completion of installation of new mechanical, electrical, and SCADA building systems, Winter 2021.
- Substantial Completion required May 20, 2021.

Background

The Wastewater Treatment Plant was built in the early 1980's and many of the building systems, including the building envelope (exterior siding, windows and doors), electrical, plumbing and mechanical, including the HVAC (ventilation air) system, have failed or are past their useful life and require replacement. The air quality within the building is inadequate and corrosive, and as a result the exposed piping and metal within the building have corroded.

Total project cost is currently estimated at \$9,782,000. Funding for this project is provided by the following sources:

\$263,000 – WW Fund Working Capital
(\$218,000) – WW Working Capital moved to the SCADA Control Project
\$9,737,000 – DEC Loans
\$9,782,000 – Total Available Project Funding

Current Contracts: McCool Carlson Green (design)	\$898,284
MCG Constructors, Inc./DCI Joint Venture (w/CO-1)	\$7,432,800

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

- 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: October 2020.
- Facilitate discussion between NSRAA and CBS Administration to establish a project cost sharing structure for potential EDA grant: October 2020.
- Solicit construction bids for Sawmill Creek intake and filter plant: January 2021.
- Award construction contract: March 2021.
- Substantial Completion for secondary water source project anticipated in March 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

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

- Electrical subcontractor installed substations. This largely completed the electrical work.
- All future milestones are in progress.

Future Milestones

- Install marine sewage pump-out: November 2020. CBS has been offered a grant to provide wastewater infrastructure. Grant agreement has been approved.

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.

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
 \$14,025,000 – 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

- 6876 feet (of 14,000 feet total) of rough trail constructed through September 23, including 730 feet topped with surface course (D-1 gravel).

Future Milestones

- Complete rough trail construction, Winter 2020-21.
- Construction of No Name Creek bridge, Spring 2021.
- Construction of 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. A small parking lot will be constructed at the Harbor Mountain Trailhead. The project also includes a connector trail 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 7 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
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Sitka Seaplane Base (SPB) (PLANNING PHASE)

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

www.cityofsitka.com > Public Works Department > Public Works Projects > New Sitka Seaplane Base – or go directly to:

<https://www.cityofsitka.com/government/departments/publicworks/SitkaSeaplaneBaseSitingStudy.htm>

Milestones This Period

- Developed multiple facility layout concepts.
- Pilot Stakeholder tele-meeting to discuss facility layout concepts.
- Refined recommended concept based on pilot input.
- Tele-meeting with Regional FAA to review the project from the early Master Planning through the current project and the proposed facility layout concept and the ROM estimated cost.
- Revised and finalized the Planning Level Facility Layout Concept with changes and phasing reducing the estimated ROM costs.
- Per FAA request, we developed a Wait List of pilots who intend to base aircraft at the new SPB once it is constructed. Currently 12 aircraft with tail numbers and 4 pilots who intend to purchase and base aircraft at the new SPB once it is built are on the Wait List. FAA wanted to see at least 9 or 10 aircraft on the SPB Wait List.
- Regional FAA reviewed the SPB project with FAA Headquarters and the project still has FAA support.
- Preliminary Draft Environmental Assessment review by CBS and FAA.

Future Milestones

- Draft Environmental Assessment (EA) prepared and ready for Public Review: October/November 2020.
- Planning for land acquisition and business plan: October/November 2020.
- Assembly update presentation and public meeting for input on drafts EA, facility layout, and business plan: October/November 2020.
- Prepare and submit AIP grant applications to FAA for next phase Design/Land Acquisition: Spring/Summer 2021 (depends on federal funding cycle).

Background

The existing Seaplane Base has been operating for 65 years and is at the end of its useful life. The Assembly passed an action plan to construct a new facility just inside the breakwater on Japonski Island (end of Seward Street) making this a top priority to secure Federal Funding, land, and ultimately construction. Federal Funding is anticipated to cover 93.75% of the cost of construction and another \$150k per year in annual entitlements for the Airport Capital Improvements Program (ACIP) for long term major maintenance or expansion projects. Developing the SPB ACIP (5-year plan) along with an airport operations plan for airport sustainability are tasks included in the project planning and design development of the project.

There are 5 main phases required to complete to be eligible to proceed to the next stage and receive Federal funding:

1. Planning and Environmental Review (current funded stage):
Complete early 2021
2. Planning Level Layout plan (current funded stage): Complete
3. Land acquisition (not funded until EA is completed and approved):
Complete Summer 2022
4. Design/Final Permitting (must build or give back FAA funds):
Complete Summer 2022
5. Construction: 2023-2024

The preliminary ROM project cost for project without wave attenuators is estimated at \$19 million. Funding for this project is provided by the following sources:

\$842,629 – FAA AIP Grant (E/A & Planning Grant)
\$56,176 – General Fund Working Capital (Req'd CBS Match @ 6.25%)
\$898,805 – Total Available Project Funding

Current Contracts: DOWL (E/A & Aviation Planning) \$707,079

Sitka Sea Walk Phase 2 (PLANNING & DESIGN PHASE)

Milestones This Period

- Federal funding secured for design phase of project.
- All future milestones are in progress.

Future Milestones

- 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).
- 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:

\$ 1,674,713 – Grant from Western Federal Lands
\$158,060 – CBS GF and/or CPET Funds
\$1,832,773 – 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, September 2020.
- Project to be bid in Fall 2020 and constructed 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.

Total project cost is estimated at \$1,215,000. 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

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

Channel and Eagle Way Lift Station Rehabilitation (CONSTRUCTION PHASE)

Milestones This Period

- Channel and Eagle Way lift stations are under construction.

Future Milestones

- Rehabilitate Channel and Eagle Way lift stations:
 - Commission Channel lift station: late September
 - Commission Eagle Way lift station: early November.
 - Substantial Completion (both sites): November 9, 2020.
 - Physical Completion (both sites): November 16, 2020.

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.

The estimated construction cost for the project is approximately \$1.2 million. 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

Current Contracts:	DOWL (C-EW portion of bigger design project)	\$100,975
	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)	\$829,238
	PTS, Inc (C-EW project management)	\$49,000

Brady Lift Station Rehabilitation (DESIGN PHASE)

Milestones This Period

- All future milestones are in progress.

Future Milestones

- Complete design September 2020
- Bid October 2020.
- Request supplemental appropriation for approximately \$250K. This was missed during the FY21 budget process: October 2020 (after we open bids).
- Issue Notice to Proceed to low bidder: November 2020.
- Construct Brady Lift Station improvements:
 - Start construction: January 2021.
 - Substantial Completion: March 2021.
 - Physical Completion: April 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 \$900K. 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 \$250K will be needed to fully fund the project.

Current Contracts:	DOWL (Brady portion of bigger design project)	\$115,467
	DXPE (Brady portion of pump supply contract)	\$ 53,730
	Boreal Control (Brady portion of control equipment supply contract)	\$ 97,700
	PTS, Inc (project management)	\$37,000

Airport Terminal Improvements (DESIGN PHASE)

Milestones This Period

- Review and mark-up 35% design submittal.
- Consultant tele-meetings for project re-start up.

Future Milestones

- Complete the 35% design revisions/milestone, September/October 2020.
- Complete the 65% design milestone, March/April 2021.
- Resolve the remaining 30% TSA design submittal issues for the TSA Baggage Screening Area during the 35% to 65% design phase, March/April 2021.
- AK DOT involvement during 65% design milestone regarding potential FAA AIP funding & Improvement phasing Fall/Winter 2020/2021.
- Bid phase 1 of project, Fall 2021.
- Construct phase1, 2021/2022.
- Phased construction **subject to funding 2021 through 2024.**
- Identify funding sources for terminal improvements beyond the PFC/Bonding and AIP grant request to AK DOT, like airport terminal user fees, parking fees, curbside and taxi permit fees, which are all typical Airport Revenue sources.
- Phased construction has been delayed to at least 2021 through 2023, due to the Federal Government shutdown at the end of 2018 and difficulties with the completion and approval of the 30% TSA Baggage Screening Area/Equipment design.

Background

The Airport Terminal Improvement Project is intended to remedy some of the existing critical problems identified in the Airport Terminal Master Plan 2008-2011, including working conditions in the baggage make-up area and TSA baggage screening area, as well as problems with congested passenger queuing, screening, baggage, fish boxes, waiting areas and passenger flow. CBS accepted a TSA design grant and a recent grant amendment totaling \$245,385.95 to design specific improvements to the TSA Baggage Screening Area. Other areas impacted by these design changes are ineligible for the TSA design funding. The Assembly approved moving forward to the 65% Schematic Design Milestone for the preferred concept plan that was presented in the Assembly work-session August 8, 2017. Passenger Facility Charges (PFC) were applied for and approved by ADOT and FAA. Collection of the PFCs began May 1, 2018. The total anticipated revenue collection over the 20-year period of collection is \$6,840,000.00, which will finance the \$4,025,000 revenue bond along with its fees and debt service.

The estimated cost for the project as identified is approximately \$15 Million. The current funding plan outlines the following components:

• Passenger Facility Charge Revenue	\$4,025,000	Bond Secured
• TSA OTA Grant	\$ 158,569	Secured
• TSA OTA Grant Amendment	\$ 86,817	Secured
• TSA Funding	\$3,397,500	Unsecured
• Eligible AIP Grant Request through AK-DOT	\$10,283,954	Unsecured

Current contracts: MCG Architects (design) \$449,069

Maintenance Activities

Streets

- Removed a derelict sailboat from the harbor, transported it by trailer to the Granite Creek construction overburden site for demolition.
- Spray patched Katlian Street.
- Ditched Viking Way.
- Removed trees around Sitka High School.
- Repaired a catch basin and graded the road on Kirkman Way.
- Assisted the Electrical Department in installing conduit and prepped the parking lot for paving at the Wastewater Plant.
- Graded gravel roads.
- Sweep streets.
- Assisted the School District with painting lines on the Blatchley Middle School's parking lot.
- Buried bio solids.
- Assisted the Water Department in repairing the waterline on Monastery, Bart Circle, and Edgecumbe Drive.
- Prepped paving patches at the Marine Service Center.
- Watered roads for dust control.
- Removed and scrapped a junk vehicle across from Channel Club and another in the 4500 block of Halibut Point Road.
- Stockpiled recycled asphalt pavement material received from the State Sawmill Creek Road paving project.
- Prepped the crosswalks on Edgecumbe.
- Removed vegetation and ditched Price Street, South Kramer, Lance Dr. and Ross Dr.
- Moved the Baranof statue from the Harrigan Centennial Hall to the museum.
- Removed and scrapped an old bus at Marine Service Center.
- Spray patched Lincoln Street.
- Repaired a sinkhole on Littlefield Way.
- Repaired a catch basin at Sealing Cove for paving.
- Filled in potholes at various locations.
- Painted crosswalks on Edgecumbe Drive.
- Flushed sewer on Monastery St.
- Overlayed Anna Drive with recycled asphalt pavement from the State Sawmill Creek Road paving project.

Central Garage

- Did 36 repairs, mostly minor, on City equipment.
- Replaced drive motors on a Walker mowing machine.
- Inspected the Senior Center Van and serviced it.
- Repaired damaged fenders on Unit 420 case loader.
- Did annual inspections and services on 26 units.

Scrapyard

- Shipped 7 gondolas or 147,660 pounds which equals 73.83 tons and Averages 0.54 tons a gondola.

- Set up to receive fats, oil and grease from the public.
- Shipped another 7 gondolas or 158,330 pounds which equals 79.165 tons or 11.30 tons per gondola.
- Received a new excavator per the FY21 budget.

Grounds Maintenance

Completed

- Preventive maintenance schedule – Normal operations 56 preventative maintenance (PMs)
- Reactive/requested work orders – 4 (logged)
- 350 Gal. Bear hula-hoop installed at Moller, Vilandre, Keet Gooshi Hein Ballfields – proven to date as bear “resistant”. Kimsham trash can only got knocked over once in the last 2 months.
- Temp attendant positions FEMA program ended Sept. 14th due to funding. Retracted from touch point sanitization for restrooms facilities and once a day custodial cleaning services for all recreation and grounds sites to one time per day. Support to harbors as gone strictly to Harbor Dept. Harbors still assisting with locking specific sites at night shift.
- City Hall parking lot satellite dish assist lease personnel with vegetation growing around dish due to for their contracted maintenance person coming to town to provide necessary maintenance work.
- Assisted Trees & Landscape (T&L) Committee with removal of planting from the Totten Building. Stock is stored at Kimsham complex pending spring planting projects with T&L.

Ongoing

- Maintenance programs transitioning into fall rotation.
- Sports programs are operated following state mandates for COVID. Grounds team providing support for field use and groups operations.
- Providing Support, continuing maintenance, repairs based around necessity pertaining to COVID-19.
- Working with CARES funded contract with Sitka Conservation Society project overview and direction.

Building Maintenance

Completed

- Preventive maintenance schedule – Normal Operations – 13 PMs
- Work Requests 15 (logged).
- Harrigan Hall gutter liner installed (punch list items remaining).
- Scrap Yard Bailer Building budgeted lighting upgrade.
- Airport auto-doors and double doors.
- Airport TSA Security Inspection with TSA Engineering Firm – Report will follow.
- Airport SIDA Security Badge updates and report complete

- COVID-19 sneeze guards ordered and installed for voting at Harrigan Hall.
- Transfer Station removal of old sprinkler system (assistance with TEP employee)
- City Hall – Office moves for operations - Planning, Assessing, and Public work relocation office for better customer service and operation needs. Painted 3 office and touchups in 4 others.
- Airport SIDA Security Badge updates and report complete

Ongoing

- Building & Grounds team providing support on Transitional Employment Program, CARES COVID funding. Assisting getting stock, materials, tools, and crews lined up to for work.
- Airport Auto-Doors and double man door installed – punch list items underway and physical completion.
- Touch point sanitization of selected public city buildings. Airport, City Hall, Library, City/State (Public spaces & Courts as needed). Retracted operations due to funding.
- City/State Law Office – District attorney's office paying for the replacement of 7 windows. CBS building maintenance coordinating work. complaints on damaged windows.
- State DOT/PF requesting City/State to no longer be part of their infrastructure. Discussion on option to proceed with City/State 1967 Agreement.
- Working with PTS Engineering Contractor on potential CAREs funded protects including City Hall renovation work for utility suite, ADA touchless door at main entrance, procurement, and purchase of touchless devises for a number of city public facilities.

Monitoring

- Harrigan Centennial Hall – tile floor cracking common areas, waiting to see if weather changes create more issues.
- Harrigan Centennial Hall additional cracks discovered under meeting room 5 carpet tiles. Waiting to see what happens with weather changes and activate on plan for repairs if required.

Transitional Employment Program (TEP):

The PW Department currently has sixteen (16) individuals hired into the Transitional Employment Program (TEP) and will be hiring more in the coming weeks. The TEP is funded with CARES money and its purpose is to employ people who are not working due to COVID and to provide them with on-the-job-training and certifications that could help get them back into the workforce. The program is funded through December 31, 2020.

All of the TEP workers have taken the Flagger Certification course and are working on a variety of projects that includes structure painting and rehab, pressure washing, flagging, etc. The types of projects will continue to expand as the program develops and as weather permits.

TEP Projects worked on to Date:
Sitka Library Campus, power wash – COMPLETE



Harrigan Hall Campus, power wash – parking lot side of building done.



Animal Shelter – prep and pain the exterior – punch list, items working around weather.



Animal Shelter brushing round facility to open up site lines (bears) and pull back vegetation from the building.



Sandy Beach – exposed route and made necessary repairs. Repair the Sandy Beach bathroom due to ant damage. Prep and painted the facility – punch list items working around weather.



- City Hall, power wash back parking lot due to grease from trash truck.
- Corrosion Control Facility – Lab Counter replacement (assisting building maintenance and water dept. teams).
- Streets – provide assistance painting of crosswalks around schools
- Streets- provide assistance with road patches
- Streets – provide assistance with brushing
- Moller Complex brushing alders along roadside and away from infrastructure
- Kimsahm Complex, brushing along roadside and hill to open up driving site lines for pedestrians and drivers – removed other unwanted trees/weeds along road side.
- Whale Park Restroom, Brush around power wash sides in preparation for possible painting based off weather. May look into tenting the facility.



- Whale Park – brush area intended for trail to replace first staircase path to water view platform.
- Senior Center front ramp, hardware replacement underway.



Transfer Station removal of old sprinkler system.

Water/Wastewater

Transitional Employment Program-CARES Funding

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Wastewater Treatment Plant Rehabilitation Project Update

Significant progress has been made on the Wastewater Treatment Plant Rehabilitation Project and is tracking to be completed by the end of the year. The wastewater treatment plant was built in 1983 and over time the corrosive nature of the gases associated with raw wastewater corroded the heating, ventilation, plumbing and electrical systems within the plant. The exterior of the plant had also taken a beating over time and needed siding and windows. The wastewater treatment equipment inside of the plant is not included in this rehabilitation project.

Photos of the Wastewater Treatment Plant Project-New piping, heat pump, and transformer.

