

## **PUBLIC WORKS ASSEMBLY UPDATE FOR WORK COMPLETED IN APRIL**

### **Building Department – First Quarter 2014:**

- Construction activity has been steady in Sitka with the first quarter statistics comparable to activity a year ago.
- We are seeing some removal of outdated housing stock with new homes being built to replace them.
- Several lots have sold in the Ethel Staton Suidivision on Alice Island and we will see new residential construction picking up there in the next quarter and beyond.
- 66 building permits were issued in the first quarter of 2014.
- The valuation of permitted construction in the first quarter is \$3,354,748.
- 3 new single family dwellings were permitted.
- 2 single family dwellings are under permit for demolition.
- 20 fire and life safety inspections were performed under the authority of Sitka's deferral from the state fire marshal.
- 162 building inspections were performed.
- A draft building code regulating construction of float homes has been completed.
- Chris Duguay, Building Inspector, recently passed the International Code Council (ICC) exam and is now an ICC Certified Building Plans Examiner. This is a rigorous exam and is a required certification for the building inspector to attain.
- In March, William Stortz passed the ICC exam and is now an ICC Certified Building Official.

### **Centennial Hall Renovation:**

#### **Milestones This Period**

- In the April 2, 2014 Building Design Committee (BDC) meeting, the Committee came to the consensus that the full renewal project, phase 1 and phase 2, should be funded and constructed now.
- In the April 21, 2014 Public Meeting, this proposal was presented by members of the BDC, the consultants, and city staff. It was unanimously supported (by show of hands) by the community members attending the meeting.
- In the regular April 22, 2014 Assembly Meeting, the Assembly approved the design and bid and committed to funding the full scope of Harrigan Centennial Hall remodel as described in Michael Harmon's April 16, 2014 memorandum. The exact mechanism of local funding (if needed) will be determined at a later date. Assembly further approved applying for additional grant funding from the Rasmuson Foundation to assist in the completion of all phases of this project.
- After receiving Assembly approval of the 35% design and full funding, Notice to Proceed (NTP) for the design development phase was issued to the Consultants for the Harrigan Centennial Hall Renewal Project.
- Design development (65%) phase is scheduled to run May through September 2014. Focus group and BDC meetings will occur during the design development phase. A schedule for Focus Group and BDC meetings is in development and will be publicized in early May 2014.

#### **Future Milestones**

- Construction Documents and 95% cost estimate due in late fall 2014.
- Project bidding winter 2014.

- Award construction contract winter 2014.
- Begin construction spring 2015.
- Complete construction summer/fall - before Alaska Day 2016.

**Background**

The current total estimated cost for this project is \$16.2 million for the full scope of the remodel project. The approved funding plan includes three State grants totaling \$8,230,000; a \$1,991,271 FY10 Legislative Grant designated for a lightering facility visitor’s center (previously planned for under the O’Connell Bridge), \$1,175,000 FY 11 CPET Head Tax grant, \$1,400,000 Marine Passenger Funds, \$232,620 pending heat pump grant, pending \$3,300,000 State CPET Grant, additional local funding if needed to be determined at a later date.

**Centennial Hall & Crescent Harbor Parking Lot Development:**

**Milestones This Period**

- Work began on Change order 6 for supplemental lighting. Four lighting bollards were removed and seven light-pole bases were installed.
- Change order 7 for minor electrical and grading work is being circulated for approval. Value of the change order is \$9,500.

**Future Milestones**

- Remaining work includes the following: completion of Change order 6 and Change order 7 tasks, and completion of punch list tasks, consisting mainly of applying top soil and seeding as well as pavement “birdbath” repair.
- Final contract completion date was extended to July 1, 2014, by Change order 6.
- Outside-of-contract work scheduled for this summer includes installing a guard rail near the lightering dock and sealing the decorative pavers. Combined value is approximately \$20,000.

**Background**

The project includes the complete reconstruction of the Centennial Hall Parking Lot and Crescent Harbor Parking lot. The improvements include storm drain, water, sewer, curb and gutter, paving, lighting, pedestrian plaza and landscaping. The project was accepted as substantially complete on September 30, 2013. S&S General Contractors was awarded the construction contract in the amount of \$2,613,651. The total project budget is \$3,950,000. There is an unencumbered balance of approximately \$200,000, which accounts for the outside-of-contract work listed above

**Edgcumbe Drive Street Reconstruction:**

**Milestones This Period**

- CBS evaluation team reviewed the three proposals received on March 27, 2014. Hosted interviews for each of the teams. Issued Notice of Intent to Award the design-build contract to S&S General Contractors on April 16, 2014.
- Began negotiations with S&S to finalize scope and contract amount on April 24, 2014.

**Future Milestones**

- Expect to issue Notice to Proceed on this contract shortly after May 27, 2014, Assembly meeting.
- DOWL HKM, S&S’s design consultant, is expected to complete geotechnical work and final design by December 2014.

- Public meeting to discuss progress of the design slated for August 13, 2014.
- Construction to begin in April 2015. Substantial completion date is August 21, 2015. Final completion date is October 30, 2015.

### **Background**

The project includes drainage, sidewalk, curb and gutter, road subgrade and pavement improvements on Edgecumbe Drive from Peterson Street to Cascade Creek Road. The total project budget is \$5.46 million.

### **Hollywood & New Archangel Design:**

#### **Milestones This Period**

- Reached decision to rebuild Hollywood Way as a one-way street routing traffic from north (DeGross Street) to south (Sawmill Creek Road), with a new sidewalk, curb and gutter. Presented decision to Police and Fire Commission on April 9, 2014, where it was unanimously endorsed.
- Circulating Change Order 1 for approval. It will extend the design contract schedule. Project was initially slated for summer 2014 construction, but has been rescheduled for summer 2015.

#### **Future Milestones**

- 65% design drawings and cost estimate due May 2014.
- 95% design drawings and cost estimate due June 2014.
- Construction drawings and final cost estimate due July 25, 2014.

### **Background**

The project includes design for water, sewer, storm drain, pavement, curb and gutter and sidewalk improvements on Hollywood Way and New Archangel Street from Halibut Point Road to Marine Street. Funding for design is available from ADEC Loans (Hollywood Water \$250,000, Hollywood & New Archangel Sewer \$500,000), General Fund budget for streets (\$5,000), and Enterprise Funds (Hollywood Water \$25,000, Hollywood Sewer \$25,000, New Archangel Sewer \$25,000). Project will require an additional \$55,000 contribution from the general fund to address Hollywood Way road rebuilding and drainage.

### **O'Cain Water Main Replacement:**

#### **Milestones This Period**

- Issued Purchase Order for survey of the northwest segment of O'Cain Street, a looped roadway.

#### **Future Milestones**

- Complete design for replacement of water main and services on this stretch of O'Cain Street in June 2014.
- Complete construction by September 2014.

### **Background**

The water main was installed in 1968 and is in need of replacement. Some water services provide service to multiple residences; this project will provide a dedicated service to each residence. The \$100,000 project will be funded from the Drinking Water Enterprise Fund.

## **Lake Street / Monastery Street Lift Station Improvements:**

### **Milestones This Period**

- Issued purchase order for survey of the property surrounding these two lift stations.

### **Future Milestones**

- Survey due by mid-May 2014.
- Will pursue replacement/repair of these lift stations by September 2014.

### **Background**

The Lake Street and Monastery Street lift stations require an inordinate amount of maintenance and repair by the Wastewater staff and are in need of immediate replacement or repair. Pumps are outdated and difficult to find replacement parts for, and access to the Lake Street lift station is dangerous due to the location of the ladder rungs. Current available funding is from the Wastewater Enterprise Fund (\$350,000 for Lake Street and \$30,000 for Monastery Street). ADEC has made a loan commitment for repair/replacement of Channel, Lake Street and Monastery Street lift stations for \$1,379,170, which will be available in July 2014.

## **Blatchley Middle School:**

### **Milestones This Period**

- The door correction change order work is underway and should be complete by summer 2014.
- The one-year warranty is in effect and the contractors are addressing issues as required.

### **Future Milestones**

- Sitka School District is working on prioritizing the list of uncompleted major maintenance items that may be completed with the remaining project funding.

### **Background**

The project's (combined Fund 704 now closed out, and Fund 706) funding including the Assembly approved accumulated interest of \$12,863,000 for major maintenance is nearly complete. There remain encumbered funds for the remodel project and remaining funds for additional major maintenance needed at the school.

## **Ultra Violet (UV) Disinfection Facility:**

### **Milestones This Period**

- The 100% design was received in April and is under review.
- The conditional approval to construct was received in April 2014

### **Future Milestones**

- The project is planned to be bid for construction in May 2014.
- The project award for construction is planned for June 2014.
- Project construction could start in July depending on contractor schedule.
- The project construction is planned to be complete November 2014.
- ADEC approval to operate is planned to be received December 2014.

### **Background**

The Blue Lake drinking water system is a surface water system, which must comply with the EPA Enhanced Surface Water Treatment Rules (ESWTRs). The subject UV Disinfection Facility will provide the additional microbial and disinfection controls required under the ESWTRs.

The current project cost estimate is \$8,966,000. Funding for this project is provided by State of Alaska Department of Environmental Conservation (ADEC) loans and grants:

- \$4,000,000 FY 2011 ADEC Loan. Includes \$2,500,000 financed with \$1,500,000 subsidized.
  - \$2,550,000 FY 2012 ADEC Loan
  - \$3,500,000 FY 2012 ADEC Grant (30% local match requirement).
  - \$2,061,000 FY 2013 ADEC Grant (30% local match requirement).
- \$12,111,000 Total Project Funding.

The grants and loans indicated as pending are grants and loans listed on the Alaska Drinking Water Fund intended use plans, for which CBS has submitted appropriate paper work to have the grant or loan finalized.

### **Library Development Design:**

#### **Milestones This Period**

- The 65% design has been reviewed by City staff. The related cost estimate came in with an estimated total base bid matching that of the conceptual design estimate of \$4.26 million. Bid alternates have been refined and total an additional \$352,000 should additional funding become available or construction bids come in lower than the estimate. Contingency for construction remains intact.
- The City has submitted its application to the Rasmuson Foundation for this project. The amount of the grant request was \$353,668 and will primarily be used to offset the costs for equipment and furnishings. The approximate timeline for the award notification, if selected, is July 2014.
- The City has begun working with the State for the use of the Stratton Library as a temporary library facility during construction. This space provides an opportunity to continue many of the current library programs and services. The State is committed to supporting the Kettleson project by making this facility available for the costs of utilities and maintenance required during the temporary occupancy. We are in the final negotiation phase of the draft MOA with the State.

#### **Future Milestones**

- Rasmuson Foundation scheduled for project review site visit second week in May.
- Design completion May/June 2014.
- Advertisement for bids July 2014.
- Construction begins August 2014.
- Construction Complete August 2015.

#### **Background**

The design phase is expected to take 12 months at a minimum with the earliest advertisement for construction planned for late summer/fall 2014. The project construction may be completed in 2015, depending on the phasing plan that is developed. The State funding of \$5.7 million awarded to CBS is a direct appropriation with no funding match requirements. A private donation of \$400,000 has also been given to the project by the John J. and Eleanor Brust Family and \$350,000 of the budget was allocated to the Centennial Hall Parking Lot Project to relocate the Swan Lake storm drain, leaving a current project budget of \$5.75 million for the expansion and renovation of the Library.

## **Storm Water Management Plan:**

### **Milestones This Period**

- Revised rainfall intensity curves have been developed based on additional CBS collection locations at Blue Lake water plant, Old Sitka Rocks Lift Station and the Magnetic Observatory.

### **Future Milestones**

- Storm Water Ordinance is currently under development and is due at the end of May 2014.
- Work session with Planning Commission and local contractors planned for June 2014.
- Work session with Assembly Planned for July 2014.
- Approval of Storm Water Ordinance by Assembly Planned for August 2014.

### **Background**

The first phase of the Storm Water Master Plan was completed in late June 2012 with Tetra Tech Alaska, LLC gathering existing infrastructure data and condition inventory to include in our GIS system along with precipitation analysis and drainage basin delineation as part of the first phase of the project. The second year grant funding (FY13) was approved by the Alaska Department of Environmental Conservation and the grant agreement was authorized by the Assembly in July 2012. The grant amount of \$43,388 requires a forty percent CBS match of \$28,925. This phase included collecting more field data, preparing the Storm Water Management plan, Sitka specific rainfall intensities, recommended Best Management Practices, Capital Improvement Plan and an example Storm Water Ordinance.

## **Alternative Water Source Filtration (Blue Lake Project):**

### **Milestones This Period**

- CBS, CH2MHill and the State of Alaska Department of Conservation Drinking Water team are working closely together to obtain final approval to construct.
- CH2MHill had been reviewing and approving material and equipment submittals from Barnard Construction.
- Chlorine disinfection contact tanks have been delivered to the site.
- Onsite piping for the project is ongoing.
- Standby generator has been delivered to the site
- Pall filtration units have been shipped from the factory
- Long lead items are being ordered by Barnard Construction.
- CORP of Engineers permit for work in the pond has been received

### **Future Milestones**

- Barnard Construction's activities are ongoing
- DEC Loan for the project is being finalized.
- Cleaning of and testing of chlorine disinfection contact tanks for VOC.
- Testing of chlorine disinfection contact tanks for required residual.
- Installation of Pall Filtration units when received .
- CBS personnel are scheduled to grade the existing pond, clean out the intake pipes and place the temporary diversion wall when required to bring the system online in July 2014.
- Meeting with DNR for additional water take from Indian River for project duration.
- The system is planned to be operational in July 2014.

## **Background**

The proposed schedule has the design completed in October 2013, Alaska Department of Environmental Conservation permitting completed in March of 2014, construction of the piping and pumping completed in April 2014 and final installation of the filter units in June 2014 for operation in July 2014. The preliminary design cost estimate has a projected design and construction cost of \$3,000,000. Due to the lack of well potential in the Indian River Valley, temporary surface water filtration will need to be utilized during the Blue Lake Project outage. Award of the design contract to CH2MHILL, was approved by the Assembly on February 12, 2013.

A temporary filtration system has been designed to treat Indian River water to serve the public during the Blue Lake penstock outage in 2014. We continue working closely with CH2MHill, the designer, reviewing details for the temporary filtration system and answering specific questions about the site and old facilities.

## **ANB Harbor Replacement (Project # 90674):**

### **Milestones This Period**

- Bedrock was encountered consistently deeper than anticipated during pile installation across the harbor. Post-installation structural analysis of the float system indicates that eight (8) piles will exceed deflection criteria under worst case design loading. Excessive pile deflection could cause damage to the float system if remedial action is not taken thereby potentially voiding the warranty on the floats. A change order was initiated to complete a dewatering test program to determine which methodology of concrete infilling the piles would be required.
- A change order was initiated to install GFI breakers at each pedestal in the harbor in accordance with NEC requirements.
- ANB Harbor sign is now under fabrication.
- Transpac Marinas began installation of supplemental floatation billets to trim the floats. Another trip to Sitka is anticipated to complete this work.

### **Future Milestones**

- Complete concrete infilling of 8 piles which are shown to exceed deflection criteria under worst case design loading.
- Complete installation of GFI breakers.
- Complete asphalt repairs in the ANB Harbor parking lot and Katlian Street prior to May 31, 2014.
- Close out grant agreement with the State of Alaska.

## **Background**

CBS received a FY13 State of Alaska Municipal Harbor Facility Matching Grant, for the ANB Harbor Replacement Project, which will cover 50% of eligible construction costs not to exceed \$4,250,000 in match funding. CBS has received bond proceeds from the Alaska Municipal Bond Bank in the amount of \$4,300,000 for this project. On January 10, 2013, the Assembly awarded a Professional Services Contract to Moffatt & Nichol for the ANB Harbor Replacement Project. On June 25, 2013, the Assembly approved award of the Procurement Contract to Transpac Marinas, Inc. for \$2,698,870. On October 22, 2013, the Assembly approved award of the Installation Contract to Pacific Pile & Marine L.P. for \$3,639,319. The total project cost is currently estimated at \$7,500,000.

## **Swan Lake Restoration / Dredging Project (Project # 90747):**

### **Milestones This Period**

- A preconstruction meeting was held which was attended by CBS, the contractor and the CBS consultant.

### **Future Milestones**

- The contractor is planning to begin dredging in May and complete all work in 2014.
- Purchase of a refurbished aquatic weed harvester was included in the grant funding. These floating machines cut and remove the vegetation to improve recreational opportunities and water flow through the lake. The search for a suitable harvester is on-going with several suppliers.

### **Background**

The Assembly approved award of a construction contract to Island Enterprises, Inc. in the amount of \$399,806 for the Swan Lake Restoration – Lake Dredging project on April 23, 2013. The project includes dredging prioritized selected locations to improve water flow through the lake, winter habitat for fish, access and recreation in general. The City and Borough of Sitka received \$771,236 in Federal funds through the Coastal Impact Assistance Program (CIAP) for this restoration project on Swan Lake. The grant is administered through the Wildlife and Sport Fish Restoration Program, CIAP Branch and runs through December 2015.

## **Baranof Warm Springs Dock Replacement (Project # 90741):**

### **Milestones This Period**

- A preferred site plan was developed by the State of Alaska based on feedback from CBS staff and users of the BWS dock.
- The State designers have begun work on design of the float system with feedback from CBS Harbor Dept. and PW staff.

### **Future Milestones**

- Provide timely review/comment for State of Alaska as needed to keep project moving forward.
- Design development during summer/fall 2014.
- Construction is anticipated in fall 2015.

### **Background**

The City and Borough of Sitka (CBS) received a \$1,900,000 FY2013 Alaska Legislature Grant to reconstruct the Baranof Warm Springs Dock. The funding was provided with the understanding that CBS would assume ownership and maintenance responsibilities for the dock once it is reconstructed. The Assembly approved the Administrator to execute a Memorandum of Agreement with the Alaska Department of Transportation and Public Facilities (ADOT&PF) for completion of the Baranof Warm Springs Dock Reconstruction and Ownership Transfer. ADOT&PF will be reimbursed the cost of designing and constructing the improvements from the FY13 Legislative Grant.

## **Seaplane Base (Project # 80242):**

### **Milestones This Period**

- Contacted upland property owners to gauge potential for possible tidelands access for new Seaplane facility.



- FAA recently informed Public Works (PW) that entitlements of \$450,000 are available for the project currently. There may also be a possibility of getting additional funds to complete design and environmental process - perhaps up to \$700,000. In order to secure any additional funds above our entitlements, PW would need to prepare a high level scope and schedule as well as provide confirmation that the site identified in the planning study has been selected as the site for development. It should be cautioned; however that FAA also stated that the entitlements of \$450,000 may not be protected should CBS choose not to move forward with the project this year.

#### **Future Milestones**

- Face to face meetings with upland property owners to discuss potential for them to provide tidelands access for new Seaplane facility.

#### **Background**

In August 2002, the Sitka Seaplane Base Master Plan was completed to include a Condition & Needs Assessment and Master Plan Alternatives Report. The plan considered 12 alternative sites for a new seaplane base and concluded that the north end of Japonksi Island, between the Coast Guard Base and the cove behind the SEARHC buildings along Seward Avenue was the preferred alternative. In February 2009, the CBS Assembly unanimously approved Resolution 2009-35 "Supporting the Development of the City and Borough of Sitka Seaplane Base." This resolution approved staff applying for and executing an Federal Aviation Administration Airport Improvement Program grant for up to \$500,000 to develop the siting plan, issues resolution, design, environmental, and permitting phases of the project. Utilizing proceeds from that grant, in June 2012, an updated Sitka Seaplane Base Siting Analysis was completed which considered another new site and redevelopment of the existing site in addition to the previously recommended Japonski site. The Japonski site was again selected as the preferred site. The findings of this study were presented to the Port and Harbors Commission on April 11, 2012 where they unanimously approved further study of the Japonski Island site. Due to a high workload within Public Works (PW) and limited staffing, the project has not been advanced since the completion of the Siting Analysis.

#### **Airport Water Main Repairs – US Coast Guard Housing Project (Project # 90731):**

##### **Milestones This Period**

- Obtained State Fire Marshall and Federal Aviation Administration project approval. Alaska Department of Environmental Conservation approval pending. All these permits are required to obtain Airport Permits.
- Obtained Alaska Department of Transportation Utility permit for the work.

##### **Future Milestones**

- Construction is anticipated in July/August 2014.

##### **Background**

The existing 8-inch cast iron (CI) water main which serviced the Sitka Rocky Gutierrez Airport and associated outbuildings experienced a break in 2012. As part of the repair effort, a section of the pipe was removed and an old valve was opened to provide water to the airport from an old 10-inch asbestos cement (AC) water main which also services the US Coast Guard housing on Lifesaver Drive. The 10-inch AC pipe is fed from a 16" ductile iron (DI) water main in Airport Road. The US Coast Guard contracted with ANC

Research & Development, LLC to upgrade the water system within Lifesaver Drive. As part of this work, they will be replacing the 10-inch AC water main with High Density Polyethylene (HDPE) pipe within Lifesaver Drive from the 16" DI water main in Airport Road. With a Contractor already contracted to complete work for the US Coast Guard in the immediate vicinity, it was advantageous to contract with them to complete repairs for the City and Borough as well to avoid additional mobilization fees. On August 13, 2013, the Assembly approved award of a Construction Contract to ANC Research & Development, LLC in the amount of \$56,425 to install a new section of 8-inch water main to service the airport and remove the vintage 10-inch AC pipe from service. Funding for this project is provided from a FY 2013 Water Fund Capital Budget Item: Repair, Airport Water Main near USCG Housing for \$75,000.

### **Federal Land Access Program (FLAP) Grant:**

#### **Milestones This Period**

- National Environmental Protection Act (NEPA) process has been finalized.
- Working with Corps of Engineers to get nationwide permit for installing two culverts on the Cross trail in phases 4&5.

#### **Future Milestones**

- Compensatory Mitigation negotiated with a restrictive covenant (conservation easement) on a tract of City land located near the cross trail project - April 1, 2014.
- Start ordering materials for the construction phase.
- Start construction of first section of Cross trail from Indian River to end of Yaw Drive June 1, 2014.
- The completion date is estimated around May 2015.

#### **Background**

The City and Borough of Sitka has been awarded a \$916,897 MAP-21 Federal Lands Access Program (FLAP) Grant for Phase 5 Cross Trail multimodal pathway (Cross TMP), Baranof Street and Yaw Drive connectors, by Western Federal Lands (WFL). The Assembly approved submission of the grant in Resolution 2013 - 03 in February 2013.

Phase 4 of the project, a \$926,000 STIP Grant for a multimodal pathway reconstruction and re-routing from Yaw Drive to the CBS property was funded by the Department of Transportation in the 2009 STIP. DOT planners, with the concurrence of Western Federal Lands (WFL) and CBS, initiated action to combine the two projects as a single \$1.8 M grant and have the project managed by Western Federal Lands for greater efficiency and cost savings.

### **Solid Waste Management Plan:**

#### **Milestones This Period**

- A work session with the Assembly, Public works Staff, and the CB&I Consultant Team was completed just before the March 11, 2014 Assembly Meeting to talk about the Solid Waste Management Plan.
- March 10 thru March 14, 2014 was the kick-off week for the CB&I Consulting Team, this was developed for meetings with various entities for data collection and evaluation.

- The Consultant Team has been collecting current data for an existing conditions analysis.
- The SWAC committee will be meeting May 28, 2014 at Centennial Hall.

### **Future Milestones**

- Updated Solid Waste Division under the public works section of the CBS website. This will include all of the current information from the SWAC Group meeting to include the minutes, presentation, and a copy of the scope of work.
- Proposed Project Schedule:
  - March – May; Existing conditions analysis
  - May; SWAC Meeting to present background and existing conditions information/ discuss alternatives to be evaluated.
  - June – July; Alternatives Evaluation.
  - July; SWAC Meeting to present Alternatives evaluation findings.
  - August – September; Plan drafting and presentation.
  - August; SWAC meeting to present plan.

### **Background**

The City and Borough of Sitka (CBS) currently does not have a Solid Waste Management Plan to address the current or future needs of the Solid Waste Fund and general operations. As we approach the end of the current collection and off-island disposal contracts in 2015, we believe it is in the best interest of the CBS to be better prepared with a plan that details the goals and direction of our solid waste management backed with data and a financial plan.

At the June 6, 2013 Assembly Meeting, the Assembly approved advertising for a Request of Qualifications and select a consultant to assist Public Works in developing a Solid Waste Management Plan.

The funding for a Solid Waste Management Plan will come from the working capital of the Solid Waste Fund which is approximately \$1.3 M. The Solid Waste Management Plan is a time and materials, not to exceed \$250,000 contract. The total amount is dependent on the complexity of future goals and the amount of public process exploring options.

### **Sawmill Cove Industrial Park Dock (Project #90748):**

#### **Milestones this Period**

- The firm of Moffatt & Nichol (M&N) has been awarded a contract to provide the design for the SCIP Dock Project. The “not-to-exceed” amount of that contract is \$790,114. The work to be completed by M&N includes site investigations, filing for and obtaining the necessary permits for construction and operation, and detailed design. The end result of M&N’s work will be bid-ready construction documents, to be delivered no later than the end of December 2014.
- M&N’s Project Manager (Shaun McFarlane, P.E.) visited Sitka for two days, April 28 and 29, 2014. He was introduced to the public at a special meeting of the SCIP Board of Directors on the evening of April, 28, 2014, where he asked for input from the Board and from the public regarding potential uses of the new dock facility. Mr. McFarlane spent some time at the SCIP site in the company of the SCIP Executive Director (Mr. Garry White) and the CBS Project Manager (Mr. John Flory, P.E.). This trio also met with representatives of several public

and private entities, to gather additional information regarding potential uses of the dock.

### **Future Milestones**

- Boundary and bathymetric surveys of the site are scheduled for the two week period in the middle of May. Geophysical/geotechnical subsurface investigations will follow, during the first two weeks of June. Geotechnical work cannot start sooner due to fish-related time restrictions on in-water work.
- When the data from the above-described onsite work is available, the design engineers will use it to finalize their Alternatives Analysis Report, which will be presented to CBS at the end of June. This document will give the engineers' opinion of the three or more design types being considered – i.e., (1) concrete deck on piles, (2) anchored sheetpile bulkhead, and (3) cellular (sheetpile) cofferdam. The Consultant will recommend the best structure type for the site conditions, and for the available funding.

### **Background**

The project is funded by a Designated Legislative Grant, administered by the State of Alaska, Department of Commerce, Community & Economic Development, and Division of Community & Regional Affairs. The total amount of the Grant is \$7.5 M. On the local level, the project is administered by Public Works and the Sawmill Cove Industrial Park Director (Mr. Garry White).

### **Water Service Calls; Leaks/Locates/Routine Repairs & Maintenance:**

- The Water Division, continued this month to function with two of the three operators and April was another extremely busy month with operators responding to 33 different calls for assistance: 12 calls for locates (mostly for QAP on SMC Rd and Coastal Excavation on HPR, the DOT projects); six for inspections of new or repaired services, eight leaks were found – six on the customer side and two on the city side of the properly line; six requests for water shutoffs/turn ons; and one for dirty water (associated with the DOT HPR project).
- Water operators completed inspections on the new water system addition in Arrowhead Estates. Operators witnessed the flushing, pressure testing, disinfection and microbiological testing of the new 8" private main.
- Water Operators worked with Coastal Excavation (DOT job) and completed the relocation of water mains: around the piling for the new bridge on No Name Creek and the installation of a new section of water main on to Cascade Creek Bridge. The old cast iron main was under the creek; the creek bed continues to erode resulting in nearly half of the water main being exposed and unprotected – a troubling situation.
- Late in April the water operators isolated and pressure tested the 30" transmission main between Thimbleberry Trail Head and the water plant. This test mirrored a test preformed prior to the SMC Rd DOT project that damaged our pipe lines in the vicinity of blasting. The static pressure test held steady during the test period indicating no leaks in this section of 30" main.
- Water operators worked on a Sunday with DOT's SMC Rd. contractor, QAP, to replace a section of 12" main that had the interior liner damaged during the first blasting incident, a hydrant was replaced and a 12" valve that had been damaged was relocated. The interior of the 12" main was inspected with a

disinfected CCTV mini push camera in both directions; the liner was intact. This work required isolation of a section of the main along Silver Bay which turned off the water to the SMCIP and a few residences near Whale Park.

- The damaged hydrant at the Baranof/SMC Rd. intersection was repaired.
- Water operators with assistance from the WW group researched in detail and confirmed each connection attached to the old 8" cast iron (CI) main between Davidoff and Cascade Creek Rd on the water side of HPR. After seeing the condition of this old CI main it appears it is very near the end of its useful life. This in depth investigation will allow the contractor to provide a price quote for our evaluation of what is involved to abandon this old unlined CI main and have all services/hydrants attached to the newer 16" ductile iron main on the upland side of HPR.
- As discussed last month, ADEC has changed Sitka's "Drinking Water Population". Unlike typical population numbers, the drinking water population includes transients like cruise ship passengers and summer workers. This results in our DW population being over 10,000 which is a significant step up in DW regulation requirements. Operators modified our sampling plan to include two new sampling locations and more Blue Lake Raw water samples. In April we took our first set of disinfection by-products (TTHM & HAA5). We are now required to monitor for these compounds at four locations per quarter, rather than one per quarter. Results were received and as usual the concentration of disinfection by-products in our treated Blue Lake water is significantly below regulatory limits. This additional monitoring will result in a cost increase to our DW fund operational budget of \$6,000-10,000 annually.
- Work on two annual reports for the public (and ADEC) is underway: the Watershed Report is being updated with new information related to the dam project and changes that will occur in the watershed as the lake fills to a new elevation. Public access will be controlled in the future by a new gate. It is critical for our filtration avoidance that human activity at the lake be monitored, related to associated changes in water quality and that if water quality is adversely effected that particular human activity must be controlled. The second annual report is the Consumer Confidence Report (CCR) also referred to as the Water Quality Report is being updated with new monitoring results for 2013. These reports are due by July first.
- In mid-April water operators began working on a near daily basis with the Barnard Construction group who is assembling the temporary water treatment equipment at the old Indian River Water Plant site. The emergency generator has arrived and is in place. The two settling tanks for clarifying the membrane back wash water are in place. All six chlorine contact (CT) tanks are in their final location and the contractors are busy fabricating the piping headers to and from these tanks. In early May our operators will work closely with the contractors to disinfect these 6, ~20,000 gallon tanks and to do some preliminary water quality testing required by ADEC.

### **Wastewater (WW) Operations:**

- Dan Berlad has been hired as WWFO1. Dan has experience working in the CBS Harbor Department as well as the Finance Department where he is currently employed. Dan has worked alongside the WW Operators during the last few years at our twice annual household hazardous waste collection events. Dan has a very positive attitude and excellent communication skills. We are excited to have Dan join our WW group on May 5, 2014.
- WW operators continued performing locates for and inspections of the work by ASRC's subcontractor, Coastal Excavation on the DOT HPR project. Several locates were also performed for DOT's SMC Rd contractor, QAP as they install guard rail along Jamestown Bay.
- WW operators located and CCTV inspected the service line from the library as part of the library renovation project.
- The experiment on the BIHA LS up Indian River road using "micro-bugs" continues and preliminary results are promising. These are enzymes that reduce the accumulation of fats, oils and grease (FOG). FOG is a significant problem in this LS, causing level control issues and pumping problems. This trial is expected to last through the summer.
- The backflow preventer testing in our lift station system that began in March continues as time allows. This is a time consuming task and it must be done by a person certified in back flow preventer testing which is not an easy certification to achieve. Water and WW Divisions try to keep at least two operators certified.
- WW operators completed pressure testing of the new storm drain lines installed on the Baranof Sreet project last summer. This testing was a new ADEC requirement. To perform these tests several thousand dollars of new test equipment was needed. The storm lines passed.
- Near the end of April the WW crew cleaned, installed pumps and readied our three seasonal lift stations for the summer season; Vilandre Field, Whale Park and the Lightering Facility are ready to go.
- WW operators assisted Crescent Plumbing who installed a new pump for Silver Bay Seafoods by using our "camel" vacuum truck to clean out the wet well. While the camel was in use they also cleaned the Lightering Facility, LS #6 and Crescent LS wet wells.
- Pump #1 at the BIHA LS was removed from service needing a bearing and seal replacement. The pump was back in service the next day. Also pumps at LS #5 were found plugged and were dismantled and cleaned during April.
- The WWTP 'concentrated scum line' was dismantled and cleaned – it was nearly blocked off with accumulated grease. Household grease dumped into the sanitary sewer is a continuous problem.
- WW Operators found a leaking private sewer line, CCTV inspected and located the service which had many turns and bends and advised the owners on needed repairs. This was brought to the owner's attention by a house inspection prior to a potential sale of the home.

### **Sawmill Cove Industrial Site – Wastewater (WW) Update:**

- The force main (FM) from the new SMCIP lift station (LS) to the municipal collection system at Whale Park was that was removed from service for QAP's

retaining wall work has been put back into service. Sanitary sewer flows at the SMCIP site are split between the on-site extended aeration secondary treatment plant and the LS pumping to town. We plan to keep the on-site operating until we are positive all the SMC road work has been completed in case the FM needs to be isolated again. After we are positive the DOT project is completed, we plan to discontinue the operation of the small extended aerating plant and the monitoring and reporting involved and pump all the sanitary WW from the SMCIP to the municipal system.