

MAY 2018



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# VALDEZ NEW BOAT HARBOR

## CONSTRUCTION

### Phase 2 Uplands Facilities and Inner Harbor

**Facilities** - Uplands facilities work continued in the Warehouse Building with completion of the structural frame, placement of reinforced floor slab, membrane roof and parapet cap, canopies at entrances, stone veneer wainscot, interior wall framing, and start of mechanical and electrical rough-in. At the Bilge Treatment Building, Puffin installed the lights and electrical heaters; two 3000-gallon bilgewater storage tanks were set in place and Mantech started installing mechanical piping, valves and fittings. Overhead rolling doors were installed at the Bilge and Warehouse buildings.

During lower tide levels, Pacific Pile and Marine (PPM) continued breaking bedrock with the hammer attached to an EX1200 excavator while an 870-excavator chipped rock along the West basin for temporary access and work pad. Sediment from the East basin and some rock from the West basin were dredged by the EX1200 excavator/clam bucket on the Flexi-Float barge and transported by the tug and dump barge to the offshore disposal site. Harris Sand & Gravel finished placing rock for the sediment containment berm between the Duck Flats and the Drive-Down Float basin. Zastrow started installing reinforcement for the slabs at the three maintenance pads and two of the gangway approaches.

PPM submitted a Blasting Plan for drilling and shooting the remaining in-water rock at the West and East basins. Fabrication and assembly of the mooring floats, pedestrian gangways, drive-down float modules, transfer bridge and pontoon, continues at Seattle area facilities. The barge with pile driving equipment, piling and floats for the West mooring basin was rescheduled for early-July arrival at the project.

## PROJECT ACHIEVEMENTS

- Continued fabrication of mooring float and drive-down float components at Seattle area shops
- Finished building Sediment Containment Berm between Duck Flats and Drive-down Float basin
- Installed roof, floor slab, wall framing, stone veneer and doors for Warehouse building
- Insulated and framed interior wainscot, roughed in most electrical and plumbing at Warehouse
- Installed storage tanks, started mechanical piping and valves, finished electrical at Bilge building
- Teleconferenced with USACE regarding hydrographic survey and other City concerns
- Obtained approval for Blasting Plan; began drilling and blasting bedrock at West basin



Rock was placed for construction of Sediment Containment Berm

## MAY 2018 PROJECT UPDATE (CONT.)

### DESIGN TEAM - CONSTRUCTION SUPPORT

R&M continued reviewing some submittals and the Blasting Plan, responded to Requests for Information (RFIs), clarifications of construction documents and conflicts in the field, performed special inspections and observations, and planned for June 6-7 inspection of floats being assembled and staged in the Seattle area for barge transport to the project.

### USACE NAVIGATION IMPROVEMENTS

The USACE is administering the Western Marine Construction (WMC) contract for dredging the navigation channel and float basin and construction of the breakwaters. The USACE scheduled the 1-year warranty inspection of the breakwaters work and is working toward fiscal closeout of their contract with WMC. The City, R&M and Arcadis had a teleconference with USACE and received the USACE position regarding the non-traditional benches at the toe of breakwaters and other questions or items which concerned the City. Arcadis will continue coordinating the closeout of the City's contract with USACE.

### FUTURE MILESTONES

- Hang drywall, tape and paint rooms in Warehouse building
- Paint floors and install partitions in Restroom building
- Place concrete at Maintenance pads, Approaches to Gangways, Warehouse and Restroom
- Finish blasting and dredging bedrock at the West basin area
- Start blasting and dredging bedrock at Drive-down Float Basin
- Dedication Ceremony for placement of Airmen's Memorial Plaque
- Mobilize and load Barge #1 with pile driving equipment, piling and mooring floats for West basin
- Closeout City's contract with USACE for the dredging and breakwater work



Canopy above entrance to the Warehouse Building restrooms and showers



Mortaring native stone veneer on wainscot around Warehouse Building

### PROJECT TEAM

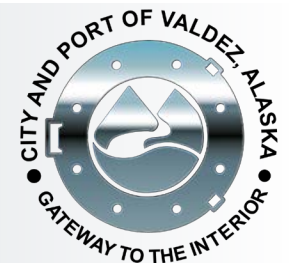
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Leveling concrete pumped for Warehouse Building floor slab



Drilling holes for explosives to blast bedrock in West Mooring basin



Steel framing for rooms inside Warehouse Building



Rock broken by EX1200 (right) is excavated by Deere 870 (center) and staged for EX1200/clamshell on Flexi-Float to reach and place on dump barge



Installing reinforcement for concrete approach at pedestrian gangway



HS&G CAT 988 loader placing boulder for Airmen's Memorial Plaque

# PROJECT SCHEDULE

Task	2016	2017				2018				2019			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>CITY OF VALDEZ WORK</b>													
<b>Phase 1 Uplands</b> (Civil work except paving)	■												
<b>Phase 2 *</b>													***
<b>Design/Bid/Award/NTP</b>	■	■	■										
<b>Mooring Floats</b>													
Fabrication/Delivery			■	■	■	■	■	■	■				
On-site Construction								■	■	■	■	■	■
<b>Drive Down Float</b>													
Fabrication/Delivery			■	■	■	■	■	■	■				
On-site Construction								■	■	■	■	■	■
<b>In-water Rock Removal</b>													
West Rock							■	■					
East Rock							■	■					
<b>Uplands Facilities</b> (Warehouse, East Restroom, Bilge Water Bldg.)													
Fabrication/Delivery			■	■	■	■	■	■	■				
On-site Construction				■	■	■	■	■	■	■	■	■	■
Paving/Landscaping								■	■				
<b>Master Waterfront Plan</b> (To be determined)													
<b>Phase 3 Future Facilities</b> (To be determined with Master Plan)													
Launch Ramp, Fish Cleaning Station, Wash-Down Pad, W. Restroom													
<b>CORPS OF ENGINEERS (USACE) WORK</b>													
<b>Harbor Dredging and Breakwater Construction**</b>	■		■	■	■								

\* Solid lines show PPM's March schedule, not updated for status through May 2018. \*\* WMC finished dredging and breakwater; contract closeout continues.

\*\*\* Contract requires Phase 2 work to be completed by October 1, 2019

# BUDGET SUMMARY

Description	Original Budget	Revised Budget	Committed	Expenditures 5/30/18	% Spent	Estimate at Completion
<b>DESIGN</b>	\$ 2,451,971	\$ 3,659,047	\$ 3,659,047	\$ 2,961,396	81%	\$ 3,683,509
Design	\$ 1,851,971	\$ 2,215,983	\$ 2,215,983	\$ 2,231,917	101%	\$ 2,240,445
Design Team Services During Construction	\$ 600,000	\$ 1,443,064	\$ 1,443,064	\$ 729,479	51%	\$ 1,443,064
<b>PROJECT MANAGEMENT</b>	\$ 2,340,548	\$ 2,922,518	\$ 2,922,518	\$ 2,409,068	82%	\$ 2,919,405
Project Management	\$ 1,740,548	\$ 2,547,868	\$ 2,547,868	\$ 2,037,531	80%	\$ 2,547,868
Inspection/Testing	\$ 600,000	\$ 374,650	\$ 374,650	\$ 371,537	99%	\$ 371,537
<b>USACE CONSTRUCTION - CITY PORTION</b>	\$ 9,345,453	\$ 7,645,453	\$ 7,525,453	\$ 5,141,258	67%	\$ 7,525,453
Initial Basin	\$ 7,145,453	\$ 7,145,453	\$ 7,145,453	\$ 4,761,258	67%	\$ 7,145,453
Other Basin Modifications	\$ 2,200,000	\$ 500,000	\$ 380,000	\$ 380,000	76%	\$ 380,000
<b>CITY CONSTRUCTION</b>	\$ 39,023,904	\$ 44,600,271	\$ 44,558,498	\$ 28,948,240	65%	\$ 44,594,334
Phase 1 Uplands	\$ 19,013,040	\$ 19,191,437	\$ 19,191,437	\$ 19,191,437	100%	\$ 19,191,437
Phase 2 Base/Drivedown Floats, Uplands Fac.	\$ 8,976,100	\$ 24,952,355	\$ 24,987,748	\$ 9,444,491	38%	\$ 24,946,418
Upland Facilities (with Phase 2)	\$ 4,046,643	\$ -	\$ -	\$ -	0%	\$ -
Drive Down Float (with Phase 2)	\$ 4,951,721	\$ -	\$ -	\$ -	0%	\$ -
Drive-Down Float In-water Mods (with Phase 2)	\$ 1,342,500	\$ -	\$ -	\$ -	0%	\$ -
Hotel Hill Clearing	\$ 64,900	\$ 64,900	\$ 64,900	\$ 64,900	100%	\$ 64,900
Fish Cleaning	\$ 324,000	\$ -	\$ -	\$ -	0%	\$ -
Electric Primary	\$ 225,000	\$ 311,579	\$ 311,579	\$ 247,412	79%	\$ 311,579
CCTV/Security/Head End Equipment	\$ 80,000	\$ 80,000	\$ 2,834	\$ -	0%	\$ 80,000
<b>ADMINISTRATION</b>	\$ 60,000	\$ 100,000	\$ 99,245	\$ 92,036	92%	\$ 100,000
FFE	\$ 100,000	\$ 100,000	\$ -	\$ -	0%	\$ 100,000
<b>CONTINGENCY (@ 15% original budget)</b>	\$ 7,998,281	\$ 2,292,868				\$ 2,397,456
<b>TOTAL CITY FUNDED</b>	\$ 61,320,158	\$ 61,320,158	\$ 58,764,761	\$ 39,551,998	65%	\$ 61,320,158
<b>USACE FUNDED**</b>	\$ 21,277,761	\$ 21,277,761	\$ 21,277,761	\$ 19,992,705	94%	\$ 21,277,761
<b>TOTAL CITY/USACE FUNDING</b>	\$ 82,597,919	\$ 82,597,919	\$ 80,042,522	\$ 59,544,703	72%	\$ 82,597,919

\* Data includes expenses from 5/22/14 which is the start of Bond eligible costs authorized by COV Resolution 14-33. \$254,321.77 in R&M expenses and other costs are not included.

\*\* Reconciliation with USACE is in process; updates are anticipated.