

July 2016



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VALDEZ NEW BOAT HARBOR

CONSTRUCTION UPDATE (Phase 1 Uplands Civil Work)

Harris Sand & Gravel (HS&G) continued implementing SWPPP and traffic controls.

Water, Sewer and Storm Drain Systems – Finished storm drain and sanitary sewer manholes and installed a culvert across the entrance at West Access. Prepared for exfiltration (water tightness) testing of storm drain system, trimmed water line valve box risers to subgrade elevation and prepared for pressure testing the water main. Installed water service, backflow preventer, dry fire line and hydrant at ramps.

Ramp Abutments – Continued backfilling the Uplands side of retaining walls for ramp abutments. Placed filter rock and riprap on the water-side slope below the retaining walls.

Utilities and High Mast Lighting – CVEA placed concrete vaults at the future Wash Down and West Restroom areas. HS&G continued placing conduit for site power, signal, lighting and telephone and placed concrete for pads around foundation pilings at high mast lights. Underground utilities are about 90% complete and high mast lighting foundations are about 75% complete.

Waterfront Boardwalk and Sidewalk – Graded and started working on the sidewalk and boardwalk along the waterfront. Zastrow Enterprises placed concrete for the stemwall and narrow sidewalk between the boardwalk and curb. They also placed concrete for sleeper keys (small pads to support sleepers). Zastrow precast sleepers in their yard and started placing them on the sleeper keys.

Survey – Wrangell Mountain Technical Services continued surveying line and grade for sewer, water, ramp abutments and electrical activities, and to record as-built conditions.

General – Zastrow constructed columns to support future canopies at the East and West Picnic areas. Concrete placement was completed at the West Restroom area and decorative fish pole foundations, and for curb ramps at various locations. Sitework included backfilling abutments, sleepers, stemwalls, utility pads and electrical vaults; placing crushed gravel (Type II-A) for finish grade throughout the site; shaping the West Access slope and drainage ditches; constructing a berm at the west property line to restrict access to/from

PROJECT ACHIEVEMENTS

- Almost finished installing conduit for site electrical and telecom lines
- Completed installing water and sewer service lines
- Completed installing storm drain pipe and manholes
- Almost finished constructing boardwalk and plaza foundations
- Finished Upland Facilities 100% Design Documents
- Received USACE Permit Modification for added dredging, offshore disposal and drive-down ramp

JULY 2016 PROJECT UPDATE (CONT.)

SERVS property; placing riprap to final elevations along the east and south Upland fill slopes; final grading the east end of Hotel Hill and preparing for topsoil and seeding.

In addition to Phase 1 work, HS&G continued delivering rock to Western Marine for construction of the breakwaters.

EMC provided general observations, inspected pipe, conduit and rebar installation, tested soil compaction and sampled and tested concrete for curb and gutter, abutments, utility pads and boardwalk sleepers.

DESIGN

R&M Consultants (R&M) continued to work with the City of Valdez (COV) on design packages for future phases of the new harbor. The 100% design for Uplands Facilities is complete; the 100% design for Phase 2 Floats/Launch Ramp is due in August and the 95% design for Drive-Down Ramp and Float package is due in September. R&M continued to provide limited construction phase services for the Uplands Civil Work and coordinated with the US Army Corps of Engineers (USACE) regarding design modifications required to integrate the COV work into the USACE designed basin construction package. R&M provided a sketch for revised dredging and coordinated design elements with USACE. R&M obtained a federal permit modification for the Drive-Down Ramp/Float and Fish Cleaning Station, including in-water blasting and pile driving. R&M and Arcadis continued to work with the COV to evaluate options to minimize the cost of removing in-water rock and developing an RFP for Xcentric ripper test.

FUTURE MILESTONES

- Confirm scope and finalize bid documents for in-water rock removal, dredging, and sediment berm construction
- Finish backfilling retaining walls for ramp abutments
- Finish testing water main and ramp service lines, sewer and storm drain systems
- Finish grading and installing curb and sidewalk
- Finish Phase 2 Floats 100% Design Documents

USACE NAVIGATION IMPROVEMENTS

The USACE is administering the dredging and breakwater contract with Western Marine Construction (WMC). Western Marine continued dredging the new harbor basin, hauling rock from Valdez Glacier Quarry to Old Town or Sea Otter, then transferred to barge or rock truck for placement and completed installing wick drains for breakwater construction. WMC received a COV Temporary Land Use Permit for access and staging rock on the Uplands to construct the east and south breakwaters. COV representatives continued to attend the USACE weekly construction coordination meetings.

PROJECT TEAM

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Removing forms at columns to support canopy for future picnic area; high mast light foundation (at right)



Grouting conduit penetrations at ramp abutment for utility services to the floats



Placing concrete for pad around foundation piling for high mast light pole



Forming pads for sleepers that will support the wood beams and deck for west picnic area



Placing riprap on the fill slope near the east picnic area



Concrete curb and sidewalk (left), boardwalk sleepers (center), high mast light base (right)

PRELIMINARY PROJECT SCHEDULE

* Schedule and Scope depends on funding and USACE's completion of dredging and breakwater.

Task	2014	2015				2016				2017				2018
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
CITY OF VALDEZ WORK														
Corps of Engineers Permit	<div></div>													
Phase 1 Uplands (Civil Work)														
Design/Bid/Award	<div></div>													
Construction			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>					
Phase 2 Inner Harbor Facilities (Including Launch Ramp)														
Design/Bid/Award/Procurement*	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
On-Site Construction*										<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Uplands Facilities														
Design/Bid/Award/Procurement*			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	
On-Site Construction*										<div></div>	<div></div>	<div></div>	<div></div>	
Future Facilities	TBD													
CORPS OF ENGINEERS (USACE) WORK														
Harbor Dredging and Breakwaters														
Quarry Development/Dredging/ Breakwater Construction	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>

BUDGET SUMMARY

Description	Original Budget	Revised Budget	Committed	Spent as of 7/31/16	% Spent	Estimate at Completion
DESIGN	\$ 2,451,971	\$ 2,507,679	\$ 2,491,984	\$ 1,949,535	78%	\$ 2,507,679
Design	\$ 1,851,971	\$ 1,907,679	\$ 1,938,795	\$ 1,694,837	89%	\$ 1,983,470
Design Team Services During Construction	\$ 600,000	\$ 600,000	\$ 553,189	\$ 254,698	42%	\$ 524,209
PROJECT MANAGEMENT	\$ 2,340,548	\$ 2,362,548	\$ 1,841,827	\$ 1,458,490	62%	\$ 2,362,526
Project Management	\$ 1,740,548	\$ 1,762,548	\$ 1,478,877	\$ 1,216,248	69%	\$ 1,762,548
Inspection/Testing	\$ 600,000	\$ 600,000	\$ 362,950	\$ 242,241	40%	\$ 599,978
USACE CONSTRUCTION - CITY PORTION	\$ 9,345,453	\$ 9,345,453	\$ 7,145,453	\$ 4,761,258	51%	\$ 9,345,453
Initial Basin	\$ 7,145,453	\$ 7,145,453	\$ 7,145,453	\$ 4,761,258	67%	\$ 7,145,453
Other Basin Modifications	\$ 2,200,000	\$ 2,200,000	\$ -	\$ -	0%	\$ 2,200,000
CITY CONSTRUCTION	\$ 39,023,904	\$ 40,077,680	\$ 19,859,551	\$ 15,442,555	39%	\$ 40,787,214
Phase 1 Uplands	\$ 19,013,040	\$ 19,480,237	\$ 19,480,238	\$ 15,361,318	79%	\$ 19,480,237
Phase 2 Base Floats /Ramps/Fish Cleaning	\$ 9,300,100	\$ 9,800,100	\$ -	\$ -	0%	\$ 10,440,000
Upland Facilities	\$ 4,046,643	\$ 4,046,643	\$ -	\$ -	0%	\$ 4,116,277
Drive Down Float	\$ 4,951,721	\$ 4,951,721	\$ -	\$ -	0%	\$ 4,951,721
Drive-Down Float In-water Modifications	\$ 1,342,500	\$ 1,342,500	\$ -	\$ -	0%	\$ 1,342,500
Hotel Hill Clearing - Alaska Land Clearing	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	100%	\$ 40,000
Hotel Hill Clearing - P&R Enterprises	\$ 24,900	\$ 24,900	\$ 24,900	\$ 24,900	100%	\$ 24,900
Electric Primary	\$ 225,000	\$ 311,579	\$ 311,579	\$ 16,337	5%	\$ 311,579
CCTV/Security/Head End Equipment	\$ 80,000	\$ 80,000	\$ 2,834	\$ -	0%	\$ 80,000
ADMINISTRATION	\$ 60,000	\$ 60,000	\$ 43,011	\$ 43,011	72%	\$ 60,000
FFE	\$ 100,000	\$ 100,000	\$ -	\$ -	0%	\$ 100,000
CONTINGENCY (@ 15% original budget)	\$ 7,998,281	\$ 6,866,797			16%	\$ 6,157,285
TOTAL CITY FUNDED	\$ 61,320,157	\$ 61,320,157	\$ 31,381,826	\$ 23,654,849	39%	\$ 61,320,157
USACE FUNDED	\$ 21,277,761	\$ 21,277,761	\$ 21,277,761	\$ 7,133,712	34%	\$ 21,277,761
TOTAL CITY/USACE FUNDING	\$ 82,597,918	\$ 82,597,918	\$ 52,659,587	\$ 30,788,561	37%	\$ 82,597,918

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