

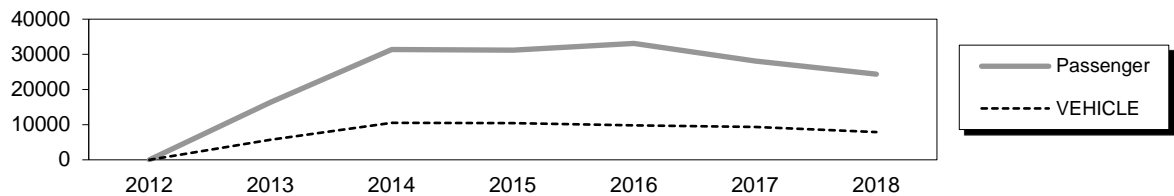
GENERAL LAYOUT
ANNETTE BAY

Annette Bay Ferry Terminal (Metlakatla)

Owner: State of Alaska

Contact: Simon Bradley, AMHS Terminal Ops Manager (Ketchikan) – 907-228-7290

Terminal Description: The Annette Bay Ferry Terminal, built in 2013, is the primary port of call for the M/V Lituya. Annette Bay is a side-berth loading facility. The vehicle transfer bridge and breasting fender panels are supported on a series of Flexifloats. Uplands are paved & striped for parking & staging areas with overhead lighting. There is an open-air waiting shelter, public pit toilets and generator building. There is no terminal building, nor terminal staff, so we didn't get any feedback from operations on the facility.



The most recent topside inspection was conducted on July 24, 2017.

Vessels	
Name	Berthing, Alignment
Lituya/LeConte/IFA	Starboard

Tidal Data (MLLW 0.0 feet)	
EHW	19.5
MHHW	15.4
MHW	14.4
ELW	-4.5

Waiting Shelter	
Year Built:	2013
Square Footage:	483 s.f.
Heating System:	Electric
Condition:	New

Vehicle Transfer Bridge - #0194	
Type:	16' x 138' Multi-girder
Year Built:	2013
Shoreward support:	Abutment / Bearing Beam
Seaward support:	Flexifloat / Roller Bearings
Coating:	Epoxy/Polyurethane
Pedestrian Access:	Concrete 4' wide on bridge
Lighting:	(4) Light poles, left side
Condition:	New
Load Posting Sign:	No
Original Design Load:	HS 20-44

Uplands	
Short-Term Parking:	15
Long-Term Parking:	24
Staging Area:	450 ft
Paint Striping:	Yes
Driving Surface:	Asphalt Concrete

Standby Generator	
Year Built:	2013
Fuel Storage:	Daytank & 250 Gal AST
Other:	Surrounded by security fence

Utilities	
The waiting shelter, apron hydraulics and lighting are powered by Metlakatla Power & Light. There is no potable water or sanitary sewer service.	

Bridge Support Float	
Type:	Steel Flexi-float units (5,000 s.f.)
Year Built:	2013
Ballasted:	Yes
Ramp lift:	None
Apron lift:	Hydraulic
Condition:	New

Terminal Projects			
Year	Project #	Project Name	Description
2013	69200 / AK-03-0075-01	Annette Bay Ferry Terminal	Construction of new marine & uplands facilities at the end of Walden Point Road.
2015	68135	Annette Bay FT Improvements	Installation of a 4-pile mooring dolphin to the east of the existing marine structures, boarding ladder mounted on steel bridge float, envelope improvements to the existing storage room.

Observations

1. There is an anchor bolt missing on one of the shoreward girder hinge bearing plates.
2. A come-along is attached to the westernmost fender frame on the seaward bridge float. No apparent reason for its use.
3. Cathodic potential (CP) readings for the bridge float average -0.91V, which indicates the steel is adequately protected against corrosion. The float restraint dolphins are just below -0.8V, which is the cutoff for adequate protection. So the steel piles are freely corroding. Depth to mudline elevations, taken with leadline readings at locations along the fender line in 2015, range from -42' to -48' MLLW.

Inspection Summary		
Structure	Priority	Recommendations
<i>Category I - Safety Repairs</i>		
No repairs necessary.		
<i>Category II - Rehabilitation Work</i>		
Bridge	1	Install an anchor bolt on the shoreward hinge bearing plate.
Fender frame	2	Remove the come-along attached to the fender frame.
Float Restraints	3	Install new anodes on the steel pipe piles.
<i>Category III - Upgrades Needed</i>		
No repairs necessary.		