

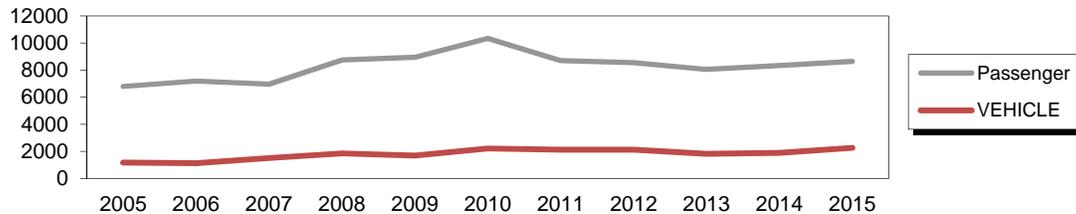
Angoon Ferry Terminal

2.5 Mile Killisnoo Road

Owner: State of Alaska

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

Terminal Description: The Angoon Ferry Terminal is a stern-loading facility that was originally constructed in 1976 and completely removed and reconstructed in 2011 for the LeConte class & FVF vessels. The terminal consists of a steel transfer bridge, adjustable intermediate ramp & apron, steel support float and five steel pile fender dolphins. FVF service to Angoon started in May, 2012. Angoon’s past 10 years of total passenger and vehicle traffic is shown below.



The most recent above water survey was completed on July 21, 2015. The facility is new. Fracture critical inspections are no longer required due to the new bridge that was installed.

Vessels	
Name	Berthing Alignment
LeConte/FVF	Stern
N/A	Port
N/A	Stbd

Tidal Data (MLLW 0.0 feet)	
EHW	19.0
MHHW	14.1
MHW	13.2
ELW	-5.5

Terminal Building
N/A
Year Built:
Square Footage:
Heating System:
Fuel Storage:
Fire Protection:
Condition:

Generator & Building
N/A
Building / Generator:
Square Footage:
Heating System:
Fuel Storage:
Fire Protection:
Condition:

Utilities	
Telephone:	No
Electrical:	Yes

Uplands	
Short-Term Parking:	10 cars
Long-Term Parking:	10 cars
Staging Area	65 lineal feet
Driving Surface:	Asphalt

Vehicle Transfer Bridge - #0181	
Type:	16' x 132'; 4 Girders
Year Built:	2011
Shoreward support:	Concrete Abutment ('77)
Seaward support:	Steel Support Float
Coating:	Spray Metallizing
Pedestrian Access:	On Bridge
Lighting:	3 overhead light posts
Condition:	New
Load Posting Sign:	N/A
Original Design Load:	HL93

Bridge Support Float	
Type:	60x60x5' Flexifloat
Year Built:	2011
Ballasted:	Yes
Ramp & Apron:	Electric Actuators
Anodes:	Yes
Condition:	New

Dolphins							
Dolphins	Dolphin Piles	Fender Support	Fender Face	Anodes	Built	Cond.	Notes
S2	2B, 1V	-	-	Yes	2011	New	Ladder ring
S1	2B, 1V	-	-	Yes	2011	New	
N1	2B, 1V	-	-	Yes	2011	New	
N2	2B, 1V	-	-	Yes	2011	New	Ladder ring
N3	2B, 3V	Floating	Plastic	Yes	2011	New	
N4	2B, 1V	Hanging	UHMW	Yes	2011	New	
N5	2B, 1V	Hanging	UHMW	Yes	2011	New	
N6	2B, 1V	Hanging	UHMW	Yes	2011	New	
N7	2B, 3V	Floating	Plastic	Yes	2011	New	Nav Light

LEGEND

N1 = North Mooring Dolphin
 B = Battered Steel Pipe Piles

V = Vertical Steel Pipe Piles

Terminal Projects			
Year	Project #	Project Name	Description
1977	RS-0998(1)	Ferry Terminal Facilities at Angoon	Construction of new terminal structures. Uplands fill from end of the road to the abutment.
1984	X30006	Angoon FT Basin Dredge	The floor of the basin was excavated beneath the float and beneath the docking footprint.
1988	RS-005(78) 74665	Southeast Secondary Upgrade	The bridge was over-coated with spray metallizing and the bridge support float was replaced with the existing barge from Clark Bay.
1990	75122	Angoon Ferry Terminal Basin Dredge	The floor of the basin was excavated beneath the north corner of the float.
2011	68502	Angoon Ferry Terminal Improvements	This project replaced the marine berthing and transfer structures with new all-tide mooring dolphins and transfer bridge. The new design accommodates the Fast-Vehicle Ferries (FVF) M/V Fairweather & M/V Chenega, as well as LeConte class vessels.

Observations

1. All marine structures seaward of the bridge abutment are new as of fall of 2011 under project #68502.
2. An adjacent stream has, in past years, deposited sediment in the moorage basin. The basin was dredged in 1984 and again in 1992 to remove the sediment and maintain acceptable basin depth. A diversion dike was installed in 1992 to remedy the problem. A bathymetric survey performed in 2003 determined the basin depth within the vicinity of the terminal is adequate.
3. There is an above-ground 1-1/2" Ø PVC pipe running along the RT ditchline of Killisnoo Road. The City would like to use this pipe to provide City water to Whalers Cove Lodge across the Bay, but haven't been able to complete the DEC permitting process.
4. A privately owned fuel storage facility was constructed across from the abandoned City-owned terminal building in 2010.
5. The external housing for the bridge lift cylinders are corroding near their base (above the accordion cylinder cover).

Inspection Summary		
Structure	Priority	Recommendations
<i>Category I - Safety Repairs</i>		
None noted.		
<i>Category II - Rehabilitation Work</i>		
Nothing Needed		
<i>Category III - Upgrades Needed</i>		
Nothing Needed		

Project 69440 – Angoon Ferry Terminal Passenger Facility. This project will construct a new waiting building and expand the parking and staging area. Ketchikan Ready Mix is the Contractor, with project completion set for 9/30/16.