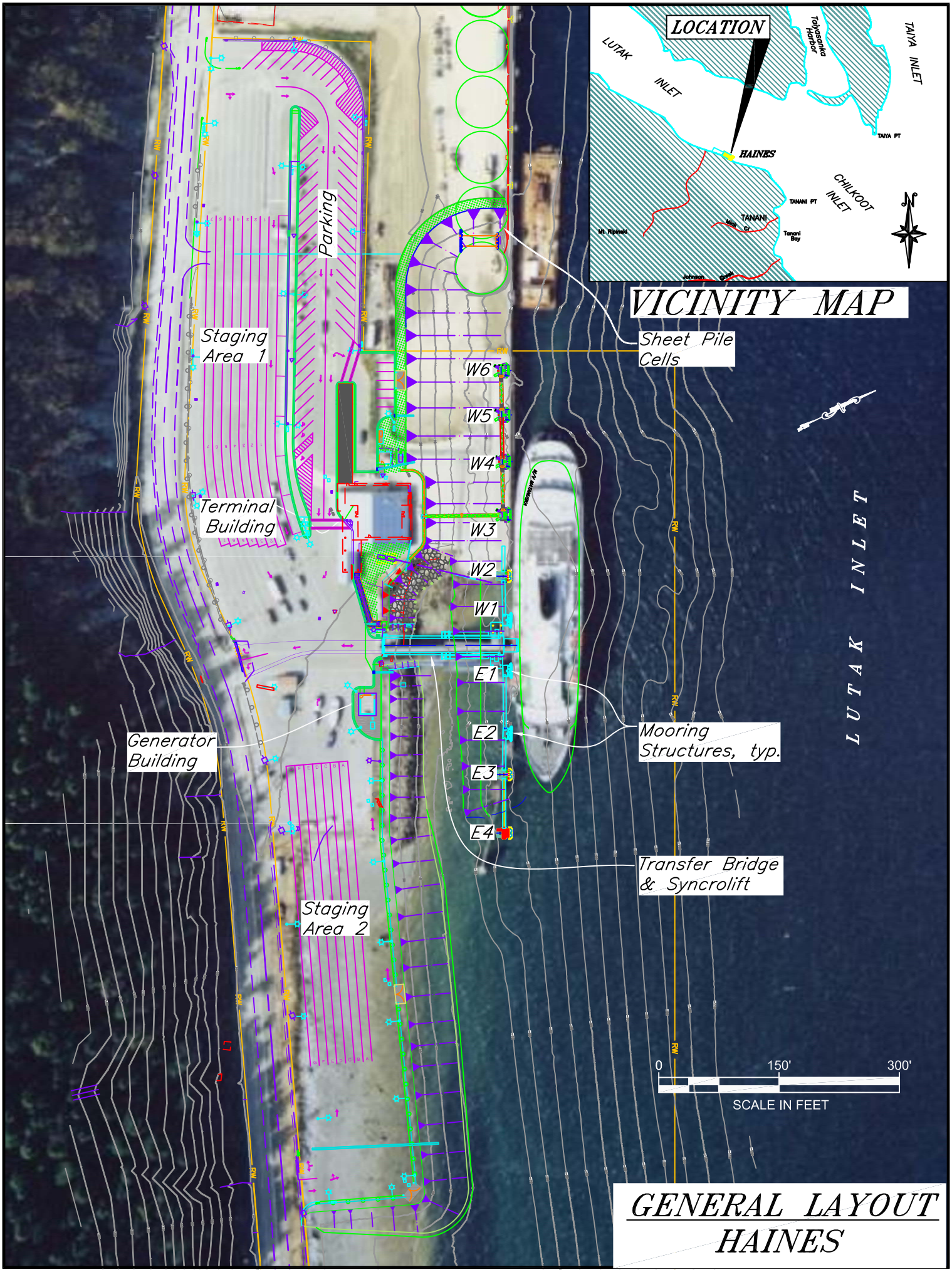

LOCATION
LUTAK
INLET
Taiyasanka Harbor
TAIYA INLET
TAIYA PT
HAINES
CHILKOOT INLET
TANANI PT
TANANI
Mosquito Cr
Tanani Bay
Mt. Ripinski
Johnson Creek
VICINITY MAP
Parking
Staging Area 1
Terminal Building
Generator Building
Staging Area 2
Sheet Pile Cells
W6
W5
W4
W3
W2
W1
E1
E2
E3
E4
Mooring Structures, typ.
Transfer Bridge & Syncrolift
LUTAK INLET
RW
0
150'
300'
SCALE IN FEET
GENERAL LAYOUT
HAINES

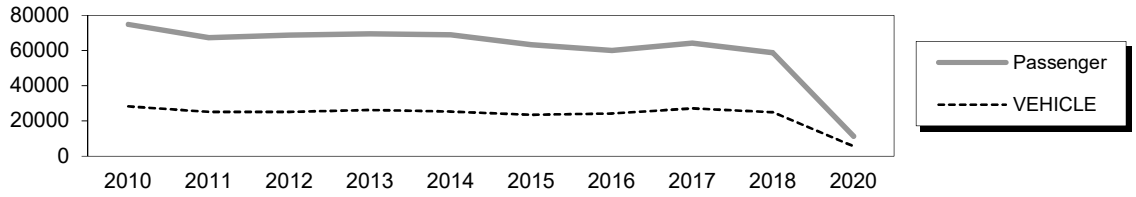
Haines Ferry Terminal

4 Mile Lutak Road

Owner: State of Alaska

Terminal Manager: Ryan Ackerman– 907- 766-2111

Terminal Description: Haines is a side-loading facility consisting of a transfer bridge, twin lift tower syncrolift, three steel pile and two timber dolphins, sheet pile cell structure with timber fenders and catwalks/gangways for line-handling access. The terminal structures were originally constructed in 1984 and it is the second busiest facility in the AMHS system; only Juneau surpasses it for combined passenger and vehicle traffic. Haines past 10 years of total passenger and vehicle traffic is shown below.



The most recent inspections are as follows: Above water survey of the terminal May 6, 2021.
Routine and fracture critical bridge inspection May 6, 2021.
Underwater inspection: August 8, 2021.
For a copy of the latest facility inspection reports contact the AK DOT&PF Marine Design Department. Contact information is located in the Comments and Feedback section.

Vessels	
Name	Berthing, Alignment
Kennecott/Tustumena	Port
All Other Vessels	Starboard

Tidal Data (MLLW 0.0 feet)	
EHW	22.5
MHHW	16.8
MHW	15.8
ELW	-6.0

Terminal Building	
Year Built:	1980
Square Footage:	4352 s.f.
Heating System:	Forced Air
Fuel Storage:	UST
Fire Protection:	Fire Alarm
Condition:	Good

Generator & Building	
Year Built:	1984
Square Footage:	360 s.f.
Heating System:	Electric
Fuel Storage:	N/A
Fire Protection:	Halon
Condition:	Good

Uplands	
Short-Term Parking:	12 cars, 1 HCP
Long-Term Parking:	80 cars
Staging Area:	3200 lineal feet - cars; 800 lineal feet - trucks;
Paint Striping:	Yes
Driving Surface:	Asphalt

Utilities		
	at Terminal	at Ramp
Electrical:	Yes, city & backup power	
Water:	Yes	No
Sewer:	Yes (Septic)	No
Telephone:	Yes	Yes
Cable TV:	No	No
Fuel:	UST	Yes
Wireless Bridge:	Yes	-

Vehicle Transfer Bridge - #0804	
Type:	16' x 140' twin box beam
Year Built:	1985
Shoreward support:	Concrete abutment
Seaward support:	Steel Lift Beam-Syncrolift
Coating:	Wasser Paint
Pedestrian Access:	Concrete 4' wide on bridge
Lighting:	Tubular lights on railing
Condition:	Good
Load Posting Sign:	N/A
Original Design Load:	HS 20-44

Dolphins								
Dolphins	**Dolphin Piles**	**Fender Support**	**Fender Face**	**Anodes**	**Built**	**Cond.**	**Hawse Extensions**	**Notes**
W6	2B, 2V	Hanging	UHMW	Yes	2015	New	Yes	
W5	2B, 2V	Hanging	UHMW	Yes	2015	New	Yes	
W4	2B, 2V	Hanging	UHMW	Yes	2015	New	Yes	No mooring
W3	2B, 2V	Hanging	UHMW	Yes	2015	New	Yes	
W2	4V	Hanging	UHMW	Yes	2008	Good	Yes	
W1	2B, 1V	4V	Ekki Timber	No	1984	Fair	No	
E1	2B, 1V	4V	Ekki Timber	No	1984	Fair	No	
E2	2B, 1V	4V	Ekki Timber	No	1984	Fair	No	
E3	4V	Hanging	UHMW	Yes	2008	Good	Yes	
E4	4V	Hanging	UHMW	Yes	2008	Good	Yes	Windsock
ET	4V	-	-	No	1984	Good	-	Light Pole & Nav Light
WT	4V	-	-	No	1984	Good	-	Light Pole

LEGEND
ET = East Lift Tower
G1 = Gangway
V = Vertical Steel Pipe Piling
EBP = East Bridge Platform
B = Battered Steel Pipe Piling

Catwalks / Gangways								
#	**From Struc.**	**To Struc.**	**Lenth / Style / Main Members**	**Built**	**Safety Restraints**	**Cond.**	**Lighting**	**Notes**
C1	E4	E3	61' / Catwalk / 10"x10" Tube Girders	1984	Yes	Fair	Jelly Jars	
C2	E3	E2	39' / Catwalk / 10"x10" Tube Girders	1984	Yes	Fair	Tubuloid	
C3	E2	E1	68' / Catwalk 10"x10" Tube Girders	1984	Yes	Fair	Tubuloid	
G1	ET	EBP	53' / Gangway / S 4x9.5 Bottom Chord	1984	Yes	Fair	Tubuloid	
G2	WT	WBP	53' / Gangway / S 4x9.5 Bottom Chord	1984	No	Fair	Tubuloid	
C4	W1	W2	44' / Catwalk / 16"x4" Tube Girders	2008	Yes	Good	Tubuloid	
C5	W2	W3	57' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jars	
C6	W3	W4	57' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jars	
C7	W4	W5	57' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jars	
C8	W5	W6	44' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jars	
C9	W3	Shore	97' / Catwalk / Under truss	2015	Yes	New	Jelly Jars	

Terminal Projects			
Year	**Project #**	**Project Name**	**Description**
1952	N/A	Haines Sheet Pile Dock	Construction of new sheet pile dock. Includes concrete retaining wall and timber piles bolted to concrete face.
1962	F-095-10(1)	Southeast Alaska Ferry Terminal	Placement of fill, guardrail, septic tank, oil tank, lighting, and hypochlorinator.
1963	N/A	Haines Ferry Terminal	Construction of timber transfer bridge, timber lift towers and counterweight system, and timber mooring dock. Also constructed new waiting shelter.
1968	MT 95	38 Pile Dolphin Haines Ferry Terminal	Construction of timber mooring dolphins, in-line with existing mooring dock fenders.

Terminal Projects (continued)			
Year	**Project #**	**Project Name**	**Description**
1972	DB 13-0870	Haines Ferry Terminal Building	Construct Haines waiting shelter.
1978	75210-MT-739	Haines Ferry Terminal Upgrades	Replaced the existing timber fender piles on the sheet pile dock with new timber pile modules that include rubber energy-absorbing donuts.
1980	N/A	Haines Ferry Terminal Building	Replaced the existing waiting shelter with new terminal and generator buildings.
1984	A38512-F-095-5(5)	Haines Ferry Terminal Modifications	Replaced the existing timber bridge, lift towers, and mooring dock with steel transfer bridge, lift towers and three steel mooring dolphins.
1992	75034 / RS-0991(3)	Haines Ferry Terminal Upland Improvements	Expand uplands parking & staging areas.
1995	75475-NH-095-5(7)	Haines Mooring Improvements Phase A	Adds an access gangway & platform between west side of transfer bridge and west lift tower; upgrades syncrolift winch gear & motors; miscellaneous electrical and bridge control upgrades.
2007	75249	Haines Mooring Improvements	Replaced a Duncan Type timber dolphin (E3) and a concrete apped timber pile cluster (E4) with new steel mooring/breasting dolphins. A new dolphin, W2, was also installed west of the transfer bridge. Additional work included replacing a timber catwalk between E3 and E4 with a steel catwalk, installing a new gangway between W2 and the sheet pile dock, removing an existing timber fender module on the dock, and shoring for an existing concrete retaining wall above partially fail sheetpile cell #4.
2008	N/A	N/A	The AMHS Maintenance crews removed a timber fender module on sheet pile cell #3 that was leaning out tude to scour undermining the base of the fender panel. Maintenance also replaced the timber fender mounting bolts for the lower two wales on each of the three existing mooring dolphins.
2008	73003(4)	Haines FT Carpet Replacement	Replaced carpet in the terminal buliding with out standard style: Lees Carpet - Vitral Pattern, Modular 24" x 24" No. 428 Mountain Beauty.
2008	69050 / SHAK-0005-(575)	Haines - Ferry Dock Hoist Upgrade	Replaced the existing relay-based control panel for the transfer bridge lift system with a PLC-based control panel.
2015	68433	Haines FT Improvements	Removed the cellular sheet pile bulkhead, installed a retaining wall seaward of the terminal building, constructed three new mooring dolphins, four catwalks, two pedestrian walkways, new generator & storage buildings, reconfigured the uplands parking and staging areas, placed excavated fill from bulkhead along tidelands to construct new staging area west of the terminal building.
2019	00088	AMHS Fuel tank and Septic System Upgrades	Replaced wastewater treatment system. Converted marine outfall to a leach field.

GENERAL FACILITY EVALUATION

Item		NBI Rating
Item 58	Deck	6
Item 59	Superstructure	5
Item 60	Substructure	6
Item 61	Channel Protection	8
Item 113	Scour	8
Marine	Mooring Structures	7
	Uplands Staging area	7
	Uplands Waiting Building	7
	Utilities	7

9	EXCELLENT CONDITION
8	VERY GOOD CONDITION - no problems noted
7	GOOD CONDITION - some minor problems.
6	SATISFACTORY CONDITION - structural elements show minor deterioration
5	FAIR CONDITION - all primary structural elements are sound but may have minor corrosion, cracking or chipping. May include minor erosion on bridge piers.
4	POOR CONDITION - advanced corrosion, deterioration, cracking or chipping. Also significant erosion of concrete bridge piers.
3	SERIOUS CONDITION - corrosion, deterioration, cracking and chipping, or erosion of concrete bridge piers have seriously affected deck, superstructure, or substructure. Local failures are possible.
2	CRITICAL CONDITION - advanced deterioration of deck, superstructure, or substructure. May have cracks in steel or concrete, or erosion may have removed substructure support. It may be necessary to close the bridge until corrective action is taken.
1	"IMMINENT" FAILURE CONDITION - major deterioration or corrosion in deck, superstructure, or substructure, or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.
0	FAILED CONDITION - out of service - beyond corrective action
N	Not applicable