

LOCATION

AUKE BAY

AUKE BAY FERRY TERMINAL



VICINITY MAP

Rip-Rap Slope

West Staging Area

Storage Bldg

Terminal Building

Parking Area

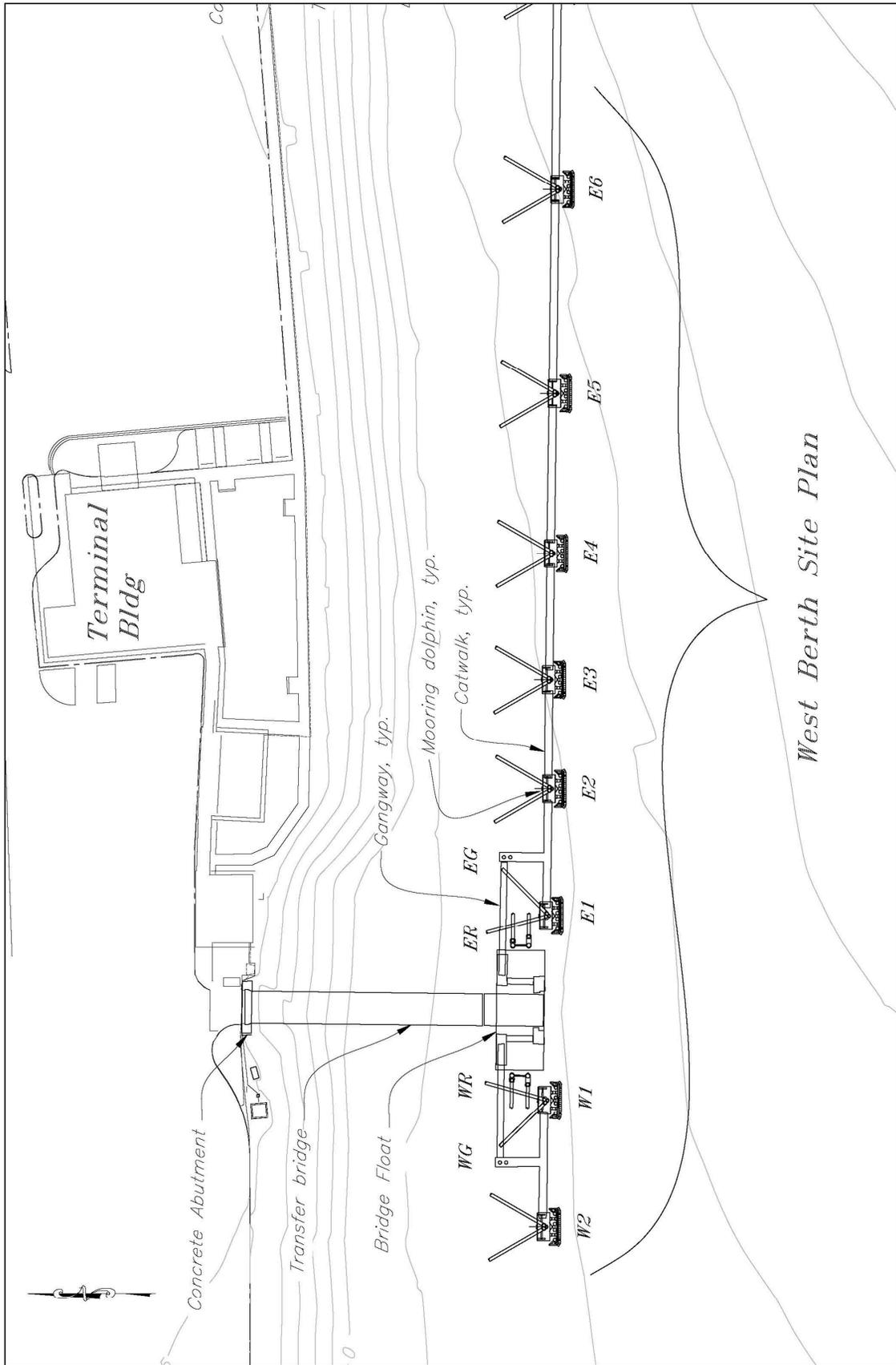
East Staging Area

DOWNTOWN JUNEAU



SCALE IN FEET

GENERAL LAYOUT
AUKE BAY



Auke Bay West Berth

13.8 Mile Glacier Highway

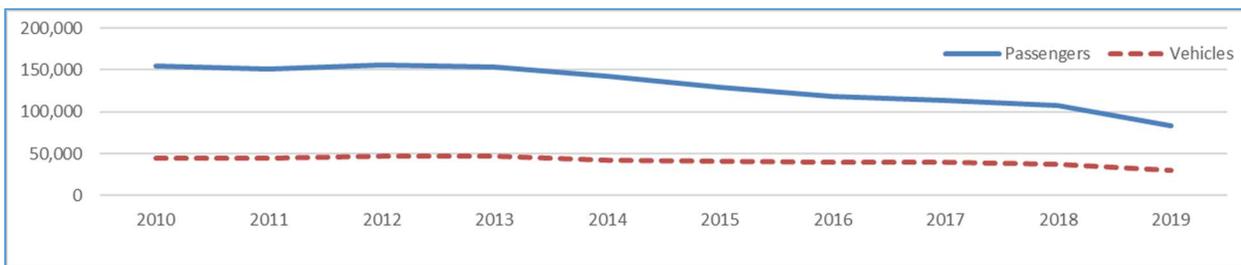
Owner: State of Alaska

Terminal Manager: George “Brent” Cole – 907-465-8853

Terminal Description: The Auke Bay Ferry Terminal Facility consists of three active ferry berths: West Berth, East Berth and Stern Berth. These berths have the highest traffic volumes of all the AMHS facilities. There are often three vessels moored in Auke Bay simultaneously.

Auke Bay West Berth is side-loading facility consisting of a transfer bridge, steel support float, eight steel pile dolphins and catwalks/gangways for line-handling access. The facility was built in 1989 to serve both mainline & feeder vessels, and is the homeport for the M/V LeConte.

Auke Bay’s past 10 years of total passenger and vehicle traffic for all three berths (West, East, and Stern) is shown below. This data is reported each year in the Alaska Marine Highway System’s Annual Traffic Volume Report: <https://dot.alaska.gov/amhs/reports.shtml>.



The most recent above water survey was completed on May 12, 2021. The most recent fracture critical inspection was completed on May 11, 2021 & the most recent underwater inspections occurred on August 23, 2021.

Vessels	
Name	Berthing, Alignment
Kennicott/Tustumena	Port
All other Vessels	Port/Starboard

Tidal Data (MLLW 0.0 feet)	
EHW	22.0
MHHW	15.9
MHW	15.0
ELW	-6.0

Uplands	
Short-Term Parking:	151 cars, 6 HCP
Long-Term Parking:	30 cars
Staging Area:	3770 lineal feet
Paint Striping:	Yes
Driving Surface:	Asphalt

Terminal Building	
Year Built:	1982
Square Footage:	4879 s.f.
Heating System:	Boiler
Fuel Storage:	UST
Fire Protection:	Remote Alarm
Condition:	Good

Generator & Building	
Year Built:	1988
Square Footage:	1118 s.f.
Heating System:	Electric
Fuel Storage:	N/A
Fire Protection:	Remote Alarm
Condition:	Good

Vehicle Transfer Bridge - #0803	
Type:	16' x 140' twin box beam
Year Built:	1988
Shoreward support:	Concrete abutment
Seaward support:	Steel Support Float
Coating:	Wasser Paint
Pedestrian Access:	Concrete 4' wide on bridge
Lighting:	Jelly Jars on bent posts, both girders
Condition:	Good
Load Posting Sign:	N/A
Original Design Load:	HS 20-44

Bridge Support Float	
Type:	24' x 60' Steel Pontoon
Year Built:	1989
Ballasted:	Yes
Ramp lift:	Hydraulic/Block & Cable
Apron lift:	Hydraulic/Block & Cable
Anodes:	Yes
Condition:	Fair

Utilities at Ramp	
Electrical:	Yes, city & backup power
Water:	Yes
Sewer:	No
Telephone:	Yes
Cable TV:	No
Fuel:	Yes
Wireless Bridge:	N/A

DOLPHIN TABLE LEGEND

ER = East Bridge Support Float Restraint Dolphin
 WG = West Gangway Support Dolphin
 V = Vertical Steel Pipe Piling
 B = Battered Steel Pipe Piling
 G1 = Gangway
 EFP = East Float Platform

Dolphins								
Dolphins	Dolphin Piles	Fender Support	Fender Face	Anodes	Built	Cond.	Hawse Extensions	Notes
W2	2B, 1V	4V	Ekki Timber	Yes	1989	Fair	No	
W1	2B, 1V	4V	Ekki Timber	Yes	1989	Fair	No	
E1	2B, 1V	4V	Ekki Timber	Yes	1989	Fair	No	
E2	2B, 1V	4V	Ekki Timber	Yes	1989	Fair	Yes	
E3	2B, 1V	4V	Ekki Timber	Yes	1989	Fair	No	Light Pole
E4	1B, 1V	4V	Ekki Timber	Yes	1989	Fair	Yes	
E5	1B, 1V	4V	Ekki Timber	Yes	1989	Fair	Yes	
E6	1B, 1V	4V	Ekki Timber	Yes	1989	Fair	Yes	Light Pole
EG	1B, 1V	-	-	Yes	1989	Fair	-	
WG	1B,1V	-	-	Yes	1989	Fair	-	
WR	2B, 2V	-	-	Yes	1989	Fair	-	Light Pole
ER	2B, 2V	-	-	Yes	1989	Fair	-	Light Pole

Catwalks / Gangways								
#	From	To	Lenth / Style / Main Members	Built	Safety	Cond	Lighting	
	Struc.	Struc			Cables ?			
C1	EBW 2	E6	91' / Catwalk / 12" x 12" Tube Girders	1989	Yes	Good	Jelly Jars	
C2	E6	E5	91' / Catwalk / 12" x 12" Tube Girders	1989	Yes	Good	Jelly Jars	
C3	E5	E4	69' / Catwalk / 12" x 12" Tube Girders	1989	Yes	Good	Jelly Jars	
C4	E4	E3	53' / Catwalk / 12" x 12' Tube Girders	1989	Yes	Good	Jelly Jars	
C5	E3	E2	44' / Catwalk / 12" x 12' Tube Girders	1989	Yes	Good	Jelly Jars	
C6	E2	E1	53' / Catwalk / 12" x 12' Tube Girders	1989	Yes	Good	Jelly Jars	
C7	C6	EG	22' / Catwalk / 5" x 7" Tube Girders	1989	No	Good	Jelly Jars	
G1	EG	EFP	57' / Gangway / Tube & Pipe Thru Truss	1989	Yes	Good	Jelly Jars	
G2	WFP	WG	57' / Gangway / Tube & Pipe Thru Truss	1989	Yes	Good	Jelly Jars	
C8	WG	C9	22' / Catwalk / 5" x 7" Tube Girders	1989	No	Good	Jelly Jars	
C9	W1	W2	53' / Catwalk / 12" x 12' Tube Girders	1989	Yes	Good	Jelly Jars	

LEGEND

C1=Catwalk 1

G1 = Gangway1

EG = East Gangway Support Pile

EFP = East Float Platform

E4 = East Dolphin #4

W1 = West Dolphin #1

WFP = West Gangway Support Piles

WFT = West Float Platform

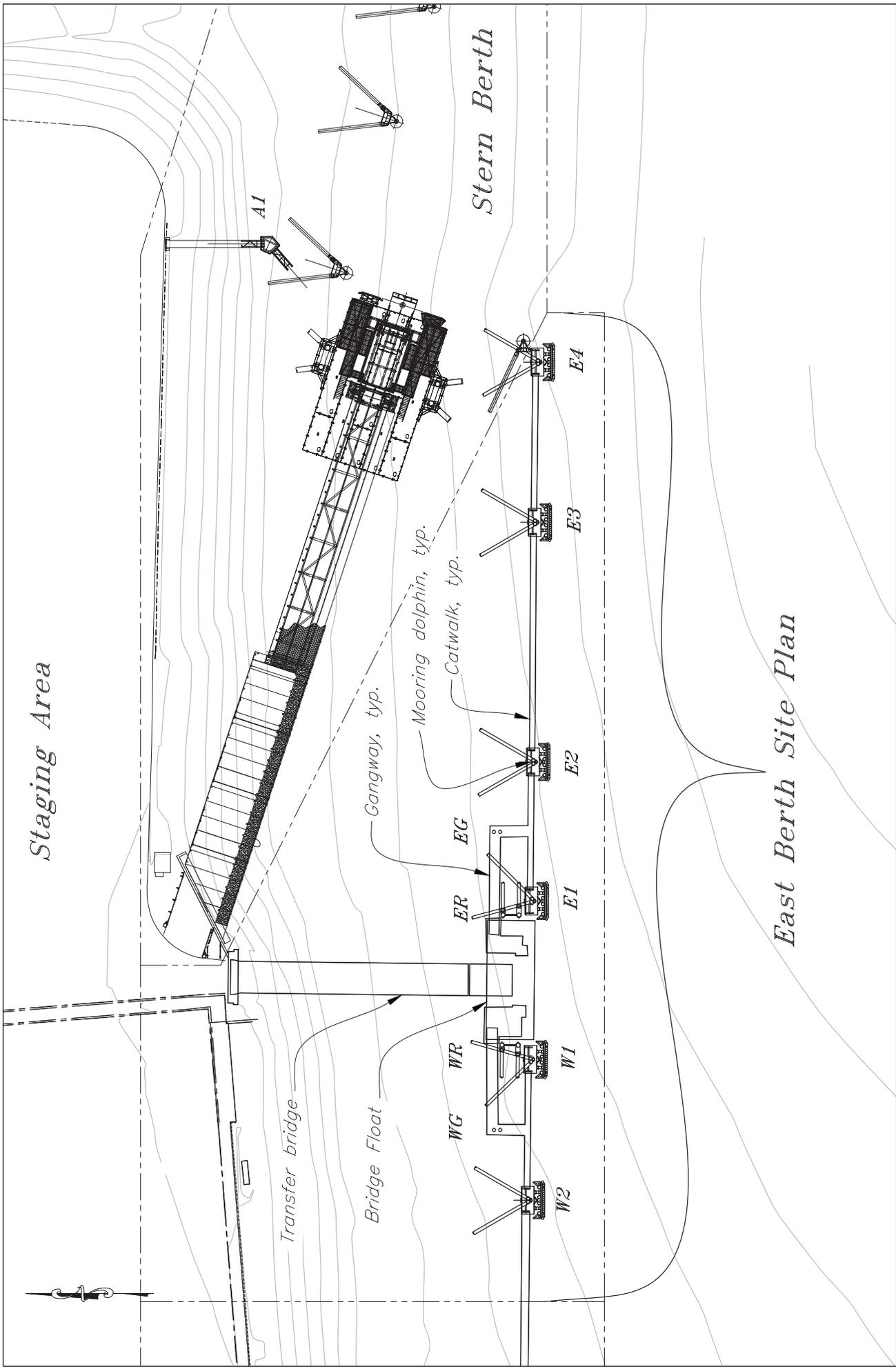
Terminal Projects			
Year	Project #	Project Name	Description
1963	F-095-8(1)	Southeast Alaska Ferry System Terminal Facility at Juneau, Alaska	Original construction of timber Side Berth in Auke Bay (present site of West Berth)
1968	N/A	N/A	Original construction of timber Stern Berth
1970	N/A	Auke Bay FT Dredging	Dredging at original timber Stern Berth.
1982	F-093-2(2)	Auke Bay FT Modifications	Original East Berth construction. Work included demolition of existing timber Stern Berth.
1982	F-093-3(2) H-78002 74268 A38282	Auke Bay FT Modifications	Construction of terminal building.
1989	F-095-4(16) / 74626	Auke Bay Western Terminal Modification	Demolition of existing structures, construction of new steel terminal structures. Also includes construction of generator/storage building, purser station, atrium/covered pedestrian walkway, and miscellaneous electrical and lighting enhancements.
1989	F-095-4(16) A70041 74618	Auke Bay FT Rehabilitation / Relocation	Associated with 74626.
1989	3711-SE(2)	Auke Bay FT Passenger Shelter	Associated with 74626.
1989	74914	Auke Bay FT Water Service	Associated with 74626.
1991	75134 MT 763	Auke Bay FT Floor Covering Replacement	Modified flooring of terminal building.
1995	75265	Auke Bay FT Pontoon Upgrade	Recoated the bridge support float.
1998	75227	Auke Bay Staging Area	Uplands extension of West berth staging area.
2006	HHE-093- 3(29) 68975	JNU- Ferry Terminal Sight Distance Improvements	Modified main roadway vehicle entrance.
2008	N/A	Auke Bay Delta - Wye Conversion	This work replaces existing transformer at the Auke Bay Ferry Terminal with a new WYE-Configured Secondary, 480Y/277, 3-phase, 500KVA transformer.
2008	73003(4)	Auke Bay FT Carpet Replacement	Replaced carpet in the terminal building modular carpet panels.
2008	259S030	Auke Bay FT Heat Trace	This project replaced all existing heat trace and controls on West Berth, East Berth, and East Stern Berth.
2008	73003(1)	Auke Bay FT Heating Control System Upgrade	This project replaced existing pneumatic HVAC controls with a new HVAC control system consisting of a Direct Digital Control (DDC) Building Automation System (BAS). The new system allows network capability for interface through the internet for monitoring & manipulation of the Heating System.
2008	73651	Auke Bay East & West Terminal Repairs	This project rehabilitated the fender support piles at all mooring dolphins on East Berth. Work also included repairs to the seaward bridge bearing plates on East and West Berths, installation of naocs on all East Berth pipe pile groups, and installation of UHMW line guards on dolphin E1 at both East and West berths.
2008	67763	Auke Bay FVF Support Facility	This project constructed tidelands fill adjacent to East berth parking lot, paved, installed underground utilities, constructed the FVF Support Building and installed an underground septic holding tank for pumping out vessel wastewater.

GENERAL FACILITY EVALUATION

Facility Component	Rating
Bridge	6
Float	5
Apron	5
Dolphins	5
Catwalks/Gangways	6

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

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Staging Area

Stern Berth

East Berth Site Plan

A1

Transfer bridge

Bridge Float

Gangway, typ.

Mooring dolphin, typ.

Catwalk, typ.

WG

WR

ER

EG

W2

W1

E1

E2

E3

E4

Auke Bay East Berth

13.8 Mile Glacier Highway

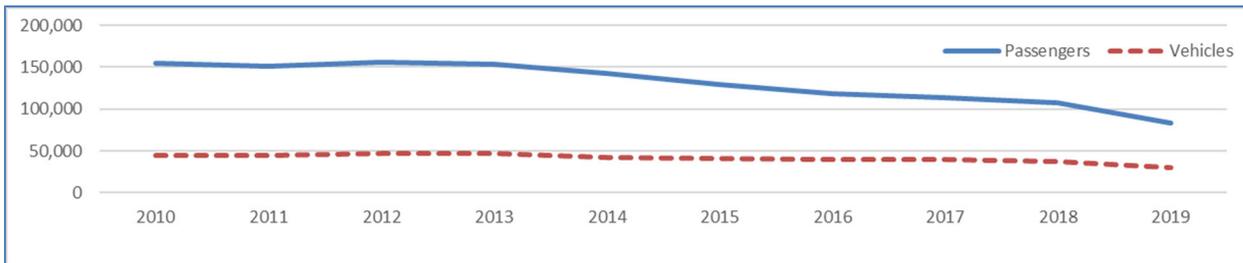
Owner: State of Alaska

Terminal Manager: George “Brent” Cole – 907-465-8853

Terminal Description: The Auke Bay Ferry Terminal Facility consists of three active ferry berths: West Berth, East Berth and Stern Berth. These berths have the highest traffic volumes of all the AMHS facilities. There are often three vessels moored in Auke Bay simultaneously.

Auke Bay East Berth is a side-loading facility consisting of a transfer bridge, steel support float, six steel pile dolphins and catwalks and gangways for line-handling access. Originally constructed in 1982 the East Berth is the oldest terminal in Auke Bay.

Auke Bay’s past 10 years of total passenger and vehicle traffic for all three berths (West, East, and Stern) is shown below. This data is reported each year in the Alaska Marine Highway System’s Annual Traffic Volume Report: <https://dot.alaska.gov/amhs/reports.shtml>.



The most recent above water survey was completed on May 12, 2021. The most recent fracture critical inspection was completed on May 11, 2021 & the most recent underwater inspections occurred on August 23, 2021.

Vessels	
Name	Berthing, Alignment
All Vessels	Port/Starboard

Tidal Data (MLLW 0.0 feet)	
EHW	22.0
MHHW	15.9
MHW	15.0
ELW	-6.0

Uplands	
Short-Term Parking:	151 cars, 6 HCP
Long-Term Parking:	30 cars
Staging Area:	3770 lineal feet
Paint Striping:	Yes
Driving Surface:	Asphalt

Terminal Building	
Year Built:	1982
Square Footage:	4879 s.f.
Heating System:	Boiler
Fuel Storage:	UST
Fire Protection:	Remote Alarm
Condition:	Good

Generator & Building	
Year Built:	1988
Square Footage:	1118 s.f.
Heating System:	Electric
Fuel Storage:	N/A
Fire Protection:	Remote Alarm
Condition:	Good

Vehicle Transfer Bridge - #1474	
Type:	16' x 140' twin box beam
Year Built:	1982
Shoreward support:	Concrete abutment
Seaward support:	Steel Support Float
Coating:	System 5 Overcoat -Wasser Paint
Pedestrian Access:	Concrete 4' wide on bridge, two lanes
Lighting:	Jelly jars on bent posts, both girders
Condition:	Fair
Load Posting Sign:	N/A
Original Design Load:	HS 20-44

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

Bridge Support Float	
Type:	24' x 60' Steel Pontoon
Year Built:	1993
Ballasted:	Yes
Ramp Lift:	Hydraulic/ Block & Cable
Apron Lift:	Hydraulic/ Block & Cable
Anodes:	Yes
Condition:	Fair

DOLPHIN TABLE LEGEND

ER = East Bridge Support Float Restraint Dolphin
 WG = West Gangway Support Dolphin
 V = Vertical Steel Pipe Piling
 B = Battered Steel Pipe Piling
 G1 = Gangway
 EFP = East Float Platform

Dolphins								
Dolphin Designation	Dolphin Piles	Fender Support	Fender Face	Anodes / Cathodically Protected	Built	Cond.	Hawse Extensions	Notes
W2	1V, 2B	4V	Timber	Y / N	1982	Poor	Yes	
W1	1V, 2B	4V	Timber	Y / N	1982	Poor	No	
E1	1V, 2B	4V	Timber	Y / N	1982	Poor	No	
E2	1V, 2B	4V	Timber	Y / N	1982	Poor	Yes	
E3	1V, 2B	4V	Timber	Y / N	1982	Poor	Yes	
E4	3V, 3B	Hanging	UHMW	Y / Y	2015	Good	Chain	Light Pole / Nav Light / Wind Sock
ER	2V, 2B	N/A	N/A	Y / -	1983	Fair	N/A	Light Pole / Camera
EG	2V	N/A	N/A	Y / -	'82/'93	Fair	N/A	
WR	2V, 2B	N/A	N/A	Y / N	1983	Fair	N/A	Light Pole / Camera
WG	2V	N/A	N/A	Y / -	'82/'93	Fair	N/A	

Catwalks / Gangways								
#	From Struc.	To Struc.	Length / Style / Main Members	Built	Safety Chains	Cond.	Lighting	Notes
C1	E4	E3	48' / Catwalk / 10" HSS Pipe	1982	Yes	Good	Jelly Jars	Shortened 20ft in '16
C2	E3	E2	108' / Catwalk / 10" HSS Pipe	1982	Yes	Good	Jelly Jars	
C3	E2	E1	58' / Catwalk 10" HSS Pipe	1982	Yes	Good	Jelly Jars	
C4	E1	EG	15' / Catwalk / 16"x8" HSS	1982	No	Good	Jelly Jars	
G1	EG	EFP	50' / Gangway / C 6x10.5 Bottom Chord	1982	Yes	Satisfactory	No	
G2	WFP	WG	50' / Gangway / C 6x10.5 Bottom Chord	1982	Yes	Satisfactory	No	
C5	WG	W1	15' / Catwalk / 16"x8" HSS	1982	No	Good	Jelly Jars	
C6	W1	W2	58' / Catwalk 10" HSS Pipe	1982	Yes	Good	Jelly Jars	

LEGEND

C1=Catwalk 1 G1 = Gangway1 EG = East Gangway Support Pile EFP = East Float Platform
E4 = East Dolphin #4 W1 = West Dolphin #1 WFP = West Gangway Support Piles WFT = West Float Platform

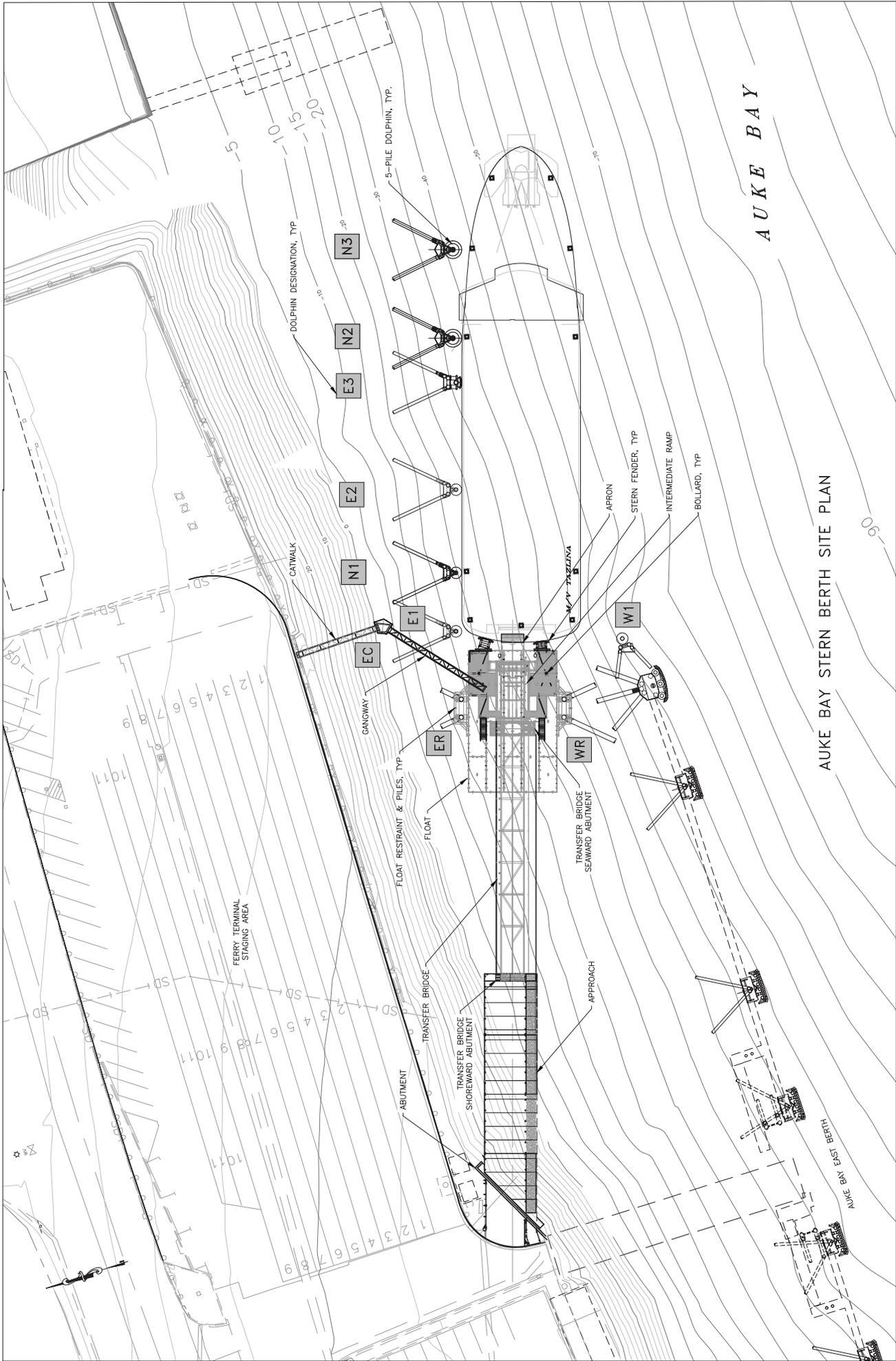
Terminal Projects			
Year	Project #	Project Name	Description
1982	F-093-2(2)	Auke Bay Ft Modifications	Construction of new terminal structures. Uplands consisted of existed fill between East and West berths.
1982	H-78002	Auke Bay Marine Terminal Building	Construction of new terminal building.
1995	75265	Auke Bay FT Pontoon Upgrade	Replaced bridge support float and restraint dolphins, recoated the transfer bridge, intermediate ramp and catwalks, relocated gangways and 15' catwalks.
1998	75227	Auke Bay Staging Area	Uplands extension consisting of staging area for East berth, extended between berths, and West berth staging area. Also constructed: employee parking area across the street; storage building; mods to electrical building; waiting shelter; upgrades to all electrical utilities; waterline & sewer extension; East ramp waterline improvements; improvements to Glacier Highway in front of facility.
2008	73651	Auke Bay East & West Terminal Repairs	This project rehabilitated the fender support piles at all mooring dolphins on East Berth. Work also included repairs to the seaward bridge bearing plates on East and West Berths, installation of anodes on all East Berth pipe pile groups, and installation of UHMW line guards on dolphin E1 at both East and West berths.
2015	67463	Auke Bay Ferry Terminal Improvements	Removed dolphin E4, disconnected from dolphin W1 on Stern Berth. Built new 6-pile dolphin E4, installed new piles on dolphin W1
2021	SAMHS00084	Auke Bay Ferry Terminal Modifications & Improvements	Replace anodes on all vertical piles on the dolphins and WR, ER, WG & EG pile structures. Repaired broken hinges on apron fingers. Replaced timber fender mounting bolts on dolphins E1 & W1. Replaced hanger bolts and UHMW skids on Gangways. Modified gangway guides by elevating them and extending the guide past the platform to accommodate low tide cycles.

GENERAL FACILITY EVALUATION

Facility Component	Rating
Bridge	5
Float	5
Apron	5
Dolphins	3
Catwalks/Gangways	6

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

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Auke Bay Stern Berth

13.8 Mile Glacier Highway

Owner: State of Alaska

Terminal Manager: George "Brent" Cole – 907-465-8853

Terminal Description: Auke Bay Stern Berth is an all-tide stern-loading facility consisting of an approach, transfer bridge, steel support float, employee access gangways, six floating rubber fender dolphins and one fixed fender panel dolphin.

The facility is the homeport for the M/V Tazlina. See East Berth report for passenger and vehicle traffic counts. The most recent shore condition, routine bridge and fracture critical inspection occurred on May 12, 2021. The most recent underwater inspection occurred on August 24, 2021.

Vessels	
<u>Name</u>	<u>Berthing, Alignment</u>
Tazlina	Stern

Tidal Data (MLLW 0.0 feet)	
EHW	22.0
MHHW	15.9
MHW	15.0
ELW	-6.0

Uplands
Uplands is shared between West, East and Stern berths. See East berth report for data.

Terminal Building
Terminal building is shared between West, East and Stern berths. See East berth report for data.

Generator & Building
Generator & building is shared between West, East and Stern berths. See East berth report for data.

Approach Trestle	
Type:	29' x 142' Pile-Supported Steel Frame
Year Built:	2004
Shoreward support:	Steel Beam/Driven Piling
Seaward support:	Steel beam/Driven Piling
Pedestrian Walkway:	Covered and separated from vehicles by guardrail.
Anodes on piles:	Yes
Condition:	Good

Vehicle Transfer Bridge - #0191	
Type:	18' x 142' twin box beam
Year Built:	2004
Shoreward support:	Steel Beam/ Driven Piling
Seaward support:	Steel Support Float
Coating:	Wasser Paint
Pedestrian Access:	Covered and separated from vehicles by guardrail.
Lighting:	Light posts, left girder
Condition:	Good
Load Posting Sign:	N/A
Original Design Load:	HS 20-44

Bridge Support Float	
Type:	50' x 80' Flexifloat Pontoon
Year Built:	2004
Ballasted:	Yes
Ramp lift:	Hydraulic tower
Apron lift:	Hydraulic
Anodes:	Yes
Condition:	Good

Utilities at Ramp	
Electrical:	Yes, city & backup power
Water:	Yes
Sewer:	Yes, Force Main
Telephone:	Yes
Cable TV:	No
Fuel:	Yes
Wireless Bridge:	Yes

Dolphins								
Dolphins	Dolphin Piles	Fender Support	Fender Face	Anodes	Built	Cond.	Mooring Crown?	Notes
W1	2B, 3V	Floating	Rubber Fender	Yes	2015	New	No	Modified in '15
E1	2B, 3V	Floating	Rubber Fender	Yes	2004	Good	Yes	
N1	2B, 3V	Floating	Rubber Fender	Yes	2021	New	Yes	
E2	2B, 3V	Floating	Rubber Fender	Yes	2004	Good	No	
E3	2B, 2V	1V	UHMW	Yes	2004	Good	No	
N2	2B, 3V	Floating	Rubber Fender	Yes	2021	New	Yes	
N3	2B, 3V	Floating	Rubber Fender	Yes	2021	New	Yes	Windsock mounted
WR	2B, 2V	N/A	N/A	Yes	2004	Good	N/A	
ER	2B, 2V	N/A	N/A	Yes	2004	Good	N/A	
A1 (EC)	4V	N/A	N/A	Yes	2004	Good	N/A	

*Original Dolphin E4 was removed as part of the 2021 modifications to accommodate the M/V Tazlina.

LEGEND

V = Vertical Steel Pipe Piling B = Battered Steel Pipe Piling A1 = Gangway Access Dolphins
 SFP = Shoreward Float Platform ER = East Bridge Support Float Restraint Dolphin

Catwalks / Gangways							
#	From Struc.	To Struc.	Length / Style / Main Members	Built	Safety Chains?	Cond.	Notes
G1	SFP	A1	62'8" / Gangway / 2.5"x2.5" Bottom Chord	2004	No	New	
G2	A1	Shore	49' / Gangway / W18x40 Girders	2004	No	New	

Terminal Projects			
Year	Project #	Project Name	Description
2004	68021	JNU Auke Bay East Stern Berth	Original construction of facility.
2005	68318	JNU Auke Bay East Stern Berth Modifications	Modifications to floating fender dolphins.
2009	67763	JNU AMHS - Auke Bay FVF Support Facility	New 50'x125' building construction, uplands fill and site work, sanitary sewer line from vessel to new on site holding tank.
2015	67463	Auke Bay Ferry Terminal Improvements	Removed dolphin E4, disconnected from dolphin W1 on Stern Berth. Built new 6-pile dolphin E4 on East berth, installed new piles on dolphin W1 Stern berth.
2020	SAMHS00084	Auke Bay Ferry Terminal Modifications & Improvements	Installed (3) new mooring dolphins and (2) new stern fenders to accommodate the M/V Tazlina. Anodes installed on all existing and new dolphin and float restraint piles.

GENERAL FACILITY EVALUATION

Facility Component	Rating
Approach	6
Bridge	5
Float	7
Intermediate Ramp	8
Apron	7
Stern Fenders	8
Dolphins	8

9	EXCELLENT CONDITION
8	VERY GOOD CONDITION - no problems noted
7	GOOD CONDITION - some minor problems.
6	SATISFACTORY CONDITION - structural elements show minor deterioration
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0	FAILED CONDITION - out of service - beyond corrective action
N	Not applicable

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