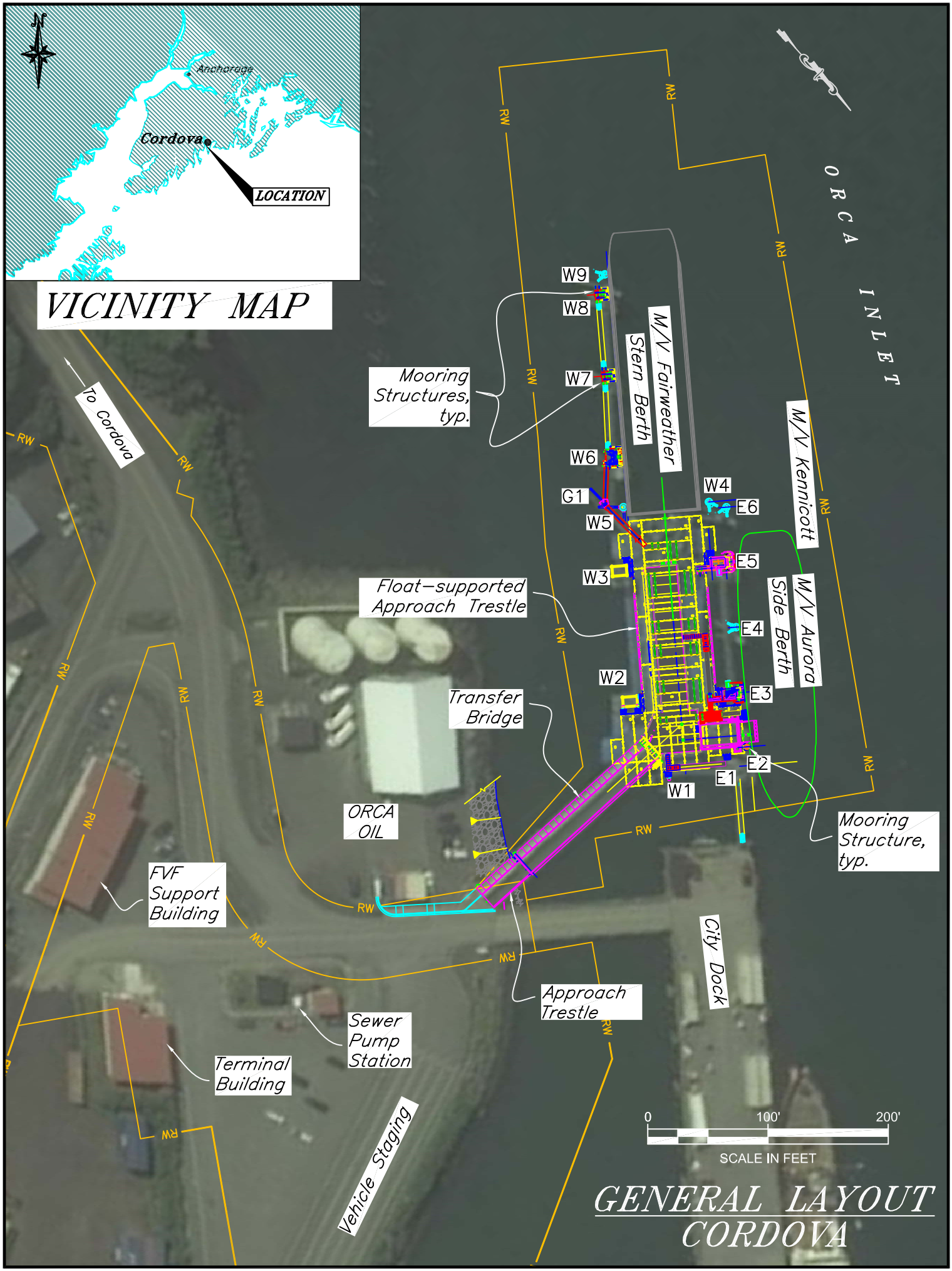

Anchorage
Cordova
LOCATION
VICINITY MAP
ORCA INLET
W9
W8
W7
W6
G1
W5
W4
E6
E5
W3
E4
W2
E3
E2
E1
W1
M/V Fairweather
Stern Berth
M/V Kennicott
M/V Aurora
Side Berth
Mooring Structures, typ.
Float–supported Approach Trestle
Transfer Bridge
Mooring Structure, typ.
To Cordova
ORCA OIL
FVF Support Building
Sewer Pump Station
Terminal Building
Vehicle Staging
Approach Trestle
City Dock
RW
0
100'
200'
SCALE IN FEET
GENERAL LAYOUT
CORDOVA

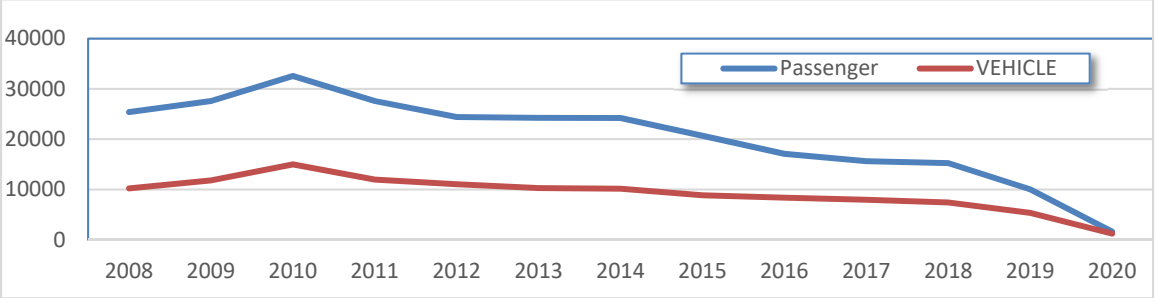
Cordova Ferry Terminal

201 Orca Avenue

Owner: State of Alaska

Terminal Manager: Tammy Johnson – 907-424-7333

Terminal Description: This terminal provides both side and stern berths for AMHS vessels M/V Aurora and the Alaska Class Ferry (ACF). The marine facilities consist of a 40'-long approach span (pile supported), transfer bridge, intermediate ramp with articulating apron and (6) berthing/mooring structures for the side berth, and a 150-ft long approach span (float supported) to an intermediate ramp with articulating apron and (6) berthing/mooring structures for the stern berth. The stern-berth was originally built as a homeport the Fast Vehicle Ferry (FVF) M/V Chenega, which is no longer in service. The past 10 years of total passenger and vehicle traffic at Cordova is shown below.



The most recent shore condition survey was completed on July 30, 2021. The most recent fracture critical and routine bridge inspections occurred on July 30, 2021. The most recent underwater inspection occurred on June 4, 2021.

Vessels	
Name	Berthing, Alignment
Tustumena/Kennicott	Port/Starboard/Stern
Aurora	Starboard/Stern

Tidal Data (MLLW 0.0 feet)	
EHW	17.5
MHHW	12.6
MHW	11.7
ELW	-4.9

Uplands	
Short-Term Parking:	18 cars, 4 bus, 4hcp
Long-Term Parking:	15
Staging Area:	1150 lineal feet; 230 lineal feet-buses/trucks
Paint Striping:	Yes
Driving Surface:	Asphalt

Terminal Building	
Year Built:	1998
Square Footage:	2670 s.f.
Heating System:	Furnace
Fuel Storage:	AST
Fire Protection:	Alarm Pyrotronics
Condition:	Good

Generator & Building	
Year Built:	1998
Square Footage:	252 s.f.
Heating System:	electric
Fuel Storage:	Daytank
Fire Protection:	Halon
Condition:	Good

Utilities	
	at Terminal
Electrical:	Yes, city & backup generator
Water:	Yes
Sewer:	Yes (City)
Telephone:	Yes
Fuel:	Yes, AST
Wireless Bridge:	Yes

Approach Trestle	
Type:	13'-6" x 40' Pile-Supported Steel Frame
Year Built:	2006
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

Bridge Support Float	
Type:	12,400 sqft Flexifloat Pontoon
Year Built:	2006
Ballasted:	Yes
Ramp lift:	Hydraulic tower
Apron lift:	Hydraulic
Anodes:	Yes
Condition:	Fair

Vehicle Transfer Bridge - #0180	
Type:	13'-6"x143' twin box beam
Year Built:	2006
Shoreward support:	Steel approach
Seaward support:	Flexifloat pontoon
Coating:	Wasser Paint
Pedestrian Access:	5'-11"W Covered walkway, concrete deck, separated by guardrail
Lighting:	Cylindrical fixtures on rail
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
E1	4V	Hanging	UHMW	Yes	2005	Good	Yes	
E2	1V	Floating	Rubber Fender	Yes	2005	Good	-	
E3	4V	Hanging	UHMW	Yes	2005	Good	Yes	
E4	2B, 1V	Floating	Rubber Fender	Yes	2005	Good	-	
E5	4V	Hanging	UHMW	Yes	2005	Good	Yes	
E6	2B, 1V	Floating	Rubber Fender	Yes	2005	Good	-	
W9	2B, 1V	Floating	Rubber Fender	Yes	2005	Good	-	
W8	2B, 1V	Hanging	UHMW	Yes	2005	Good	Yes	
W7	2B, 1V	Hanging	UHMW	Yes	2005	Good	Yes	
W6	2B, 2V	Hanging	UHMW	Yes	2005	Good	Yes	
W5	2B, 1V	Floating	Rubber Fender	Yes	2005	Good	-	
W4	2B,1V	Floating	Rubber Fender	Yes	2005	Good	-	
W3	4V	-	-	Yes	2005	Good	-	
W2	4V	-	-	Yes	2005	Good	-	
W1	2B, 1V	-	-	Yes	2005	Good	-	
G1	1B, 1V	-	-	Yes	2005	Good	-	

DOLPHINS TABLE LEGEND
V = Vertical Steel Pipe Piling B = Battered Steel Pipe Piling E1 = East Mooring Dolphin, Typ.
W1 = West Mooring Dolphin, typ. G1 = Gangway Support Pipe Piling

CATWALKS/ GANGWAYS TABLE LEGEND
G1 = Gangway, typ. C1 = Catwalk, typ. EGP = East Gangway Platform
WGP = West Gangway Platform W1 = West Mooring Dolphin, typ E1 = East Mooring Dolphin, Typ.

Catwalks / Gangways								
#	From Struct.	To Struct.	Length / Style / Main Members	Built	Safety Chains?	Cond.	Lighting	Notes
G1	W1	E1	46' / Gangway / 2.5"x2.5' Bottom Chord	2005	Yes	Good	Cylindrical	
C1	E1	CD	61' / Catwalk / 10"x10" Tube Girders	2005	Yes	Good	None	
G2	EGP1	-	15' / Gangway / 2.5"x2.5" Bottom Chord	2005	Yes	Good	None	
G3	EGP2	E3	46' / Gangway / 2.5"x2.5' Bottom Chord	2005	Yes	Good	Cylindrical	
G4	EGP2	E5	46' / Gangway / 2.5"x2.5' Bottom Chord	2005	Yes	Good	Cylindrical	
C2	E3	E5	102' / Catwalk / 12"x12" Tube Girders	2005	Yes	Good	Cylindrical	
G5	WGP1	G1	46' / Gangway / 2.5"x2.5' Bottom Chord	2005	Yes	Good	Cylindrical	
C3	G1	W6	31' / Catwalk / 2.5"x2.5" Bottom Chord	2005	Yes	Good	Cylindrical	
C4	W6	W7	57' / Catwalk / 10"x10" Tube Girders	2005	Yes	Good	Cylindrical	
C5	W7	W8	57' / Catwalk / 10"x10" Tube Girders	2005	Yes	Good	Cylindrical	

Terminal Projects			
Year	Project #	Project Name	Description
1968	MT 107	Cordova Ferry Terminal	Original stern-loading terminal construction consisted of orthotropic steel transfer bridge, (2) counterweight lift towers, (4) mooring dolphins, (2) stern dolphins, (5) steel catwalks, passenger waiting room building, and utilities. The shoreward bearing was built on the edge of the Cordova City Dock.
1988	RS-0851(42)	FT Fender Modifications	Replaced the stern dolphins, replaced the mooring dolphin fendering systems.
1988	RS-0851(44)	FT Recoating Project	Work included re-painting the steel transfer bridge, lift tower enclosures, and other miscellaneous coatings.
1993	RS-0851(46) 75128	FT Bridge Replacement	Replaced the solid plate deck bridge with an open-grate deck multi-girder structure. Modified existing steel lift towers for new lift system.
1993	STP-0851 (53) / 75339	Cordova Staging Area Phase "A"	Placed uplands fill adjacent to the dock approach road to expand the staging area.
1997	RS-0851(45) 75336	Cordova Staging Area Phase "B"	Work included paving, striping, curb & gutter, utilities, etc.
1998	N/A	Cordova Terminal Building	Construction of the terminal building.
2005	AK-03-0040 / 68447	Prince William Sound FVF Support Facility	Construction of the support facility for FVF Chenega
2006	MGS-0851(63)-68263	Cordova FT Modifications	Removed existing marine structures with new side and stern berths.
2010	73741(5)	AMHS Cordova FT Heat Trace Modifications	Replaced the faulty heat trace originally installed on Proj 68263 for water & sewer lines on dock.
2011	69617	Cordova FT Float Repairs	Emergency project to repair the cracks @ the locks within several Flexifloat units & install new structural steel frames to strengthen the floats.

GENERAL FACILITY EVALUATION

Facility Component	Rating
Uplands	7
Approach	7
Bridge	6
Float	5
Intermediate Ramp	7
Apron	7
Dolphins	7
Electrical	6
Hydraulic System	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

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.