1 2		CITY OF HOMER HOMER, ALASKA		
3		•	Cit	y Manager/
4			P	ort Director
5		ORDINANCE 25-33		
6				
7	AN ORDINAN	ICE OF THE CITY COUNCIL	OF HOMER, ALASKA,	
8	AMENDING 7	THE FY25 CAPITAL BUDGET	BY APPROPRIATING	
9	· •	M THE PORT RESERVES FUND		
10		AIR FILLED FLOATS TO RE	FLOAT DD FLOAT IN	
11	SYSTEM FOU	R.		
12				
13		in System 4 is an original ha		
14		cation in 2002 and has bee		ant loss of
15	flotation, posing a risk of sir	nking from a large snow load;	and	
16				
17	· · · · · · · · · · · · · · · · · · ·	hoops around each piling the		-
18	creating the risk that they could fail in high winds or ice formation, further endangering harbor			
19	infrastructure; and			
20		t pp fi	at Paterna Coo	
21	•	re of DD float would result in	•	
22	permit holders into transient moorage, which is already at full capacity during summer			
23	months; and			
24	WILEDEAC CLASSICAL		J 61 - 4 - 4 !	
25		e successfully utilized air-filled		
26 27	structures and have deemed this method as cost-effective and an immediate solution to restore DD float to continue its functionality; and			
27 28	restore DD float to continue	ens functionality; and		
29	WHEDEAS While the	work will primarily be comple	atod by in house staff we s	are allotting
30	•	s needed and a contingency o		are attotting
31	55,550 in the event a diver i	s needed and a contingency o	115 percent, and	
32	WHEREAS When DD	float is replaced, the air-filled	flotation product used fo	r this renair
33	can be repurposed to address any other at-risk float system.			
34	can be repair posed to add.	iss any canal at his moursyst.		
35	NOW, THEREFORE, 1	THE CITY OF HOMER ORDAINS	<u>.</u>	
36	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	
37	Section 1. The Hor	mer City Council hereby an	nends the FY25 Capital	Budget by
38	appropriating \$45,000 as follows:			
39	., ., ., ., ., ., ., ., ., ., ., ., ., .			
40	<u>Fund</u>	<u>Description</u>	<u>Amount</u>	
41	456-0380	Refloat DD Float in System 4	\$45,000	
42		-		

Page 2 of 2 ORDINANCE 25-33 CITY OF HOMER

Section 2. This ordinance is a budget amendment only, is not of a permanent nature and is a non-code ordinance. ENACTED BY THE CITY COUNCIL OF HOMER, ALASKA this 28 th day of april, 2025. CITY OF HOMER RACHEL LORD, MAYOR ATTEST: RENEE KRAUSE, MMC, CITY CLERK ABSTAIN: Ø ABSENT: 1 First Reading: 04.14.25 Public Hearing: 04.28.25 Second Reading: 04.28.25 Effective Date: 04.29.25



Ordinance 25-33, An Ordinance of the City Council of Homer, Alaska, Amending the FY25 Capital Budget by Appropriating \$45,000 From the Port Reserves Fund for the Purpose of Installing Air Filled Floats to Refloat DD Float in System Four. City Manager/Port Director.

Item Type:

Back Up Memorandum

Prepared For:

Mayor Lord and Homer City Council

Date:

March 26, 2025

From:

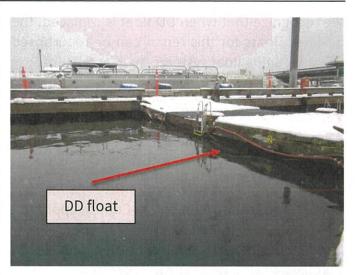
Bryan Hawkins, Port Director

Through:

Melissa Jacobsen, City Manager

The DD float system, one of the original harbor floats built in 1964, is at risk of failure due to a significant loss of flotation and concerns over the integrity of its pile hoops, due to being submerged in the water developing rust. My concern is that if the Homer area experiences a normal winter with heavy snowfall, the float may sink under the additional load. Furthermore, the pile hoops securing the float are submerged, making them vulnerable to failure in strong winds. Ice buildup could also cause them to freeze to the pilings and break off during tidal changes. Without action, DD float could become unsafe and may have to be condemned, 36 annual stall permit holders would be displaced into an already overburdened transient moorage space.

Staff proposes refloating DD float by using air-filled flotation (see attached manufacturer image below), a method recently and successfully used on AAA float. This process involves buying purpose built air floatation tanks from a float manufacture. Staff will fill the tanks with water until they become neutrally buoyant. We will





Memorandum City Council April 14, 2025

then move them into place under the wooden float structure. Staff will then gradually fill the air floats over the course of a few weeks with more air to displace the water, and slowly it will lift the existing float. Given that DD float is a single rigid unit without hinge points, careful control of air input will be necessary to ensure a stable lift.

The estimated budget for materials for this project is \$31,000; however, a request for \$45,000 is recommended to account for additional materials, including lumber, hardware, potential structural wood replacements, and possible dive services. The work will be completed primarily inhouse, reducing overall costs.

We recognize that when DD float is replaced, the air-filled floats for this repair can be repurposed for other aging float systems, such as System 5.

Given the condition of the float and the potential impact of its failure, staff recommends proceeding with the air filled flotation repair as the most reliable solution. Approval of a \$45,000 budget is requested to complete the project.

Recommendation: Homer City Council approve Ordinance 25-33 amending the FY25 budget by allocating \$45,000 for the purchase of air filled floats in order to refloat DD float.

