



MEMORANDUM

Ordinance 24-55, An Ordinance of the City Council of Homer, Alaska Amending the FY25 Capital Budget by Appropriating \$40,000 from the Public Works Fleet Capital Asset Repair and Maintenance Allowance (CARMA) Fund for the Purpose of Repairing the Boiler in City Steam Truck E176. City Manager/Public Works Director.

Item Type: Backup Memorandum
Prepared For: Homer City Council
Date: October 4, 2024
From: Daniel Kort, Public Works Director
Through: Melissa Jacobsen, City Manager

Summary:

Allocation of funds towards the repair of the boiler associated with Steam Truck E176.

Background:

The City of Homer (City) owns two older model Steam Trucks to thaw frozen ditches and culverts associated with glaciation of storm water during the winter months. Truck E160 is a 1984 model Ford truck fitted with a steamer, and Truck E176 is a 2006 model Freightliner truck fitted with a steamer.

During the latter part of the winter of 2023/2024, the boiler in Steam Truck E176 had a mechanical failure causing the overheating of the boiler causing subsequent damage. This is the newer of the City's two Steamer Trucks. These Steamer Trucks are a critical pieces of equipment to reestablish storm water flow in ditches and culverts during winter months' glaciation. Without these critical pieces of equipment, there is substantial risk for glaciation to cross roadways and potential flooding upon private property.

Conducting repair work on a boiler requires specific certifications and there are a limited number of companies capable of doing this work. There are even fewer companies interested in working on older boilers or mobile boiler systems. Due to the limitations, the Public Works Department was only able to identify one company interested in performing this repair after three months of effort. The truck was taken to the repair shop for an estimate in September. The estimate for the repair was provided as \$36,436, and an estimate to replace the boiler was also provided as \$69,179.06. Public Works believes the repair will adequately resolve the issues. The budget request of \$40,000 provides a small contingency if needed.

Recommendation:

Adopt Ordinance 24-55

ALASKA BOILER & BURNER LLC

1221 E 71st Ave

Anchorage, AK 99518

+19075614242

office@akboiler.com

<https://www.akboiler.com>**Estimate****ADDRESS**Mike Parish
CITY OF HOMER**SHIP TO**Mike Parish
CITY OF HOMER**ESTIMATE #**

3179

DATE

09/30/2024

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
		REBUILD OF VAPOR 4992-4BT BOILER			
	Services	45063009 INNER COIL (PLUGGED)	1	7,703.00	7,703.00
	Services	45053010 INTERMEDIATE COIL	1	7,665.00	7,665.00
	Services	45053011 OUTER COIL	1	9,488.00	9,488.00
	Services	GASKET AND SEAL KIT, REFRACTORY, AND COIL PADS	1	2,220.00	2,220.00
	Services	12 HOURS LABOR TO REMOVE AND REINSTALL BOILER FROM TRUCK	12	195.00	2,340.00
	Services	36 HOURS TO REBUILD THE BOILER	36	195.00	7,020.00

Thank you for the opportunity to provide this estimate. It is valid for 30 days from the date above. Estimated pricing is subject to change due to unforeseen circumstances. Shipping charges are not included in the estimate. Actual shipping costs will be added to the final invoice. To accept the estimate and proceed with the work please sign and return to office@akboiler.com.

TOTAL**\$36,436.00**

Accepted By

Accepted Date

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3181

DATE

10/01/2024

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	Services	4492-4BT VAPOR STEAM GENERATOR 40BHP, 1380 LBS/HR FROM AND AT 212 DEGREES 300 PSI DESIGN, 250 PSI MAX OPERATING NO. 2 OIL FIRED 120V 1 PHASE ELECTRICAL REQUIREMENT INCLUDES ELECTRONIC CONTROLS WITH FLAME SAFEGUARD. CYCLING TEMPERATURE THERMOCOUPLE AND DIGITAL CONTROLLER	1	68,095.18	68,095.18
	Services	PRIME MOVER FOR 40BHP STEAM GENERATOR TEFC MOTOR: 230V, 3 PHASE 60HZ. INCLUDES MOTOR STARTERS, MOTOR SHIPS LOOSE BELTS AND GUARDS BY OTHERS. ALL PRICES FOB FRANKLIN PARK IL. LEAD TIME 12-16 ARO	1	1,083.88	1,083.88

A 1.5% MONTHLY FEE WILL BE ASSESSED ON PAST DUE BALANCES

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TOTAL

\$69,179.06

Accepted By

Accepted Date

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