

Attachment 1: Equipment Purchase Summary

This summary provides an overview of the equipment proposed for purchase to enhance the City's capacity for self-performed asphalt pothole repairs. The document serves as an attachment for the City Council staff report regarding the 2025–2026 equipment procurement.

Caterpillar 265 Compact Track Loader



- **Description:** The Caterpillar 265 is a high-performance **vertical lift compact track loader**. Unlike a standard wheeled vehicle, it operates on rubber tracks, providing superior stability and traction on various surfaces. It serves as a "multitool" for construction, capable of powering a wide range of specialized attachments.

- **Use in Road Repairs:** This machine is the primary workhorse for on-site repairs. It will be used to **mill (grind) failed asphalt** using

a cold planer attachment, sweep debris with a broom attachment, and compact new asphalt with a vibratory roller.

- **Why It Is Needed:** Currently, the City performs minor repairs using cold patch materials compacted by driving over them, which is less effective. The track loader allows staff to perform **higher-quality, permanent repairs** by properly preparing the pothole site and ensuring professional-grade compaction.

- **Cost:** \$174,905.59 (Total after tax).

- **Overview Statistics:**

- **Attachments Include:** Cold planer (grinder), broom, vibratory roller, mower, and a 4-in-1 bucket.
- **Warranty:** 24-month, 2,000-hour standard warranty.
- **Procurement:** Price includes a 21% Sourcewell contract discount.

International HV607 6x4 Truck Chassis (Option 1)

- **Description:** This is a heavy-duty, six-wheeled (6x4) truck chassis designed for demanding construction environments. It provides the structural foundation and engine power required to haul massive loads of material or support heavy mounted machinery.



- **Use in Road Repairs:** This chassis serves as the base for either the **Enoven Dump Body** or the **Thermo-Lay Pothole Patching Machine**. It is essential for transporting hot-mix asphalt from the source in Ukiah to local work sites.

- **Why It Is Needed:** The City's current maintenance fleet lacks the specialized heavy hauling capacity needed to support a dedicated hot-mix asphalt program. A Class A

driver's license is required for operation due to the vehicle's size and weight.

- **Cost: \$233,787.84** (Total price including fees and tax).

- **Overview Statistics:**

- **Engine:** Cummins L9 (370 HP / 1250 lb-ft torque).
- **Transmission:** Allison 3000 RDS 6-speed automatic.
- **GVWR:** 54,000 lbs (Gross Vehicle Weight Rating).

International HX620 Truck Chassis (Option 2)

Description: The HX620 is a "severe service" truck chassis, offering more power and a higher weight capacity than the HV607. It is designed for even more strenuous towing and hauling conditions.

- **Use in Road Repairs:** Similar to Option 1, this provides the platform for the City's heavy-duty street repair equipment. Its higher torque and horsepower make it better suited for pulling large trailers on steep or difficult terrain.

- **Why It Is Needed:** This is presented as an alternative for a more robust hauling platform. It ensures the City can handle the largest possible loads of asphalt or base material in a single trip, increasing efficiency.

- **Cost: \$275,155.99.**

- **Overview Statistics:**

- **Engine:** Cummins X15 (450 HP / 1650 lb-ft torque).
 - **Transmission:** Allison 4500 RDS automatic.
 - **GVWR / GCWR:** 58,000 lbs GVWR / 140,000 lbs GCWR.
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Thermo-Lay Pothole Patching Machine



- **Description:** This is an all-in-one hot asphalt patching system mounted directly onto a truck chassis. It features an insulated hopper to keep asphalt hot, an electric heating system, and a hydraulic auger to dispense material.

- **Use in Road Repairs:** It functions as a mobile "hot-mix station". It can carry 6.25 cubic

yards of asphalt and keep it at the ideal working temperature for up to three days. It includes a built-in "tack tank" to apply oil (tackifier) to ensure the new asphalt sticks to the old road.

- **Why It Is Needed:** Hot-mix asphalt must be sourced from Ukiah, a 2.5-hour round trip. Without this insulated trailer, the asphalt would cool and become unusable before it could be fully applied. This machine eliminates material waste and allows for professional-grade repairs.

- **Cost: \$377,553.39** (Total price for unit and options).

- **Overview Statistics:**

- **Capacity:** 6.25 cubic yards.
- **Key Features:** 120-gallon tack tank, hydraulic tool circuit, and a built-in spoils bin for debris.
- **Heating:** 9 KW electric heating system.

Enoven 15' Dump Body



- **Description:** This is a high-durability Hardox steel dump body that is installed on a truck chassis to create a standard dump truck.

- **Use in Road Repairs:** It is used to haul and spread base materials (like gravel), transport large quantities of asphalt, or remove debris and old pavement from a job site.

- **Why It Is Needed:** To perform significant street repairs, the City must be able to move bulk materials efficiently. This body includes a center-mounted patch gate, which allows for controlled dispensing of asphalt directly into a pothole or repair area.

- **Cost:** \$54,604.00.

- **Overview Statistics:**

- **Volume:** 11 to 13 cubic yard capacity.
- **Features:** Electric arm tarping system (to cover loads), asphalt vinyl tarp, and a heavy-duty pintle hitch for towing.

Tilt-Deck Equipment Trailer



- **Description:** This is a 20-foot, heavy-duty trailer featuring a tilting deck, which allows for the easy loading and unloading of machinery without the need for separate ramps.

- **Use in Road Repairs:** Its primary purpose is to transport the Caterpillar 265 Track Loader and its various attachments (grinder, roller, etc.) from the maintenance yard to various street repair locations throughout the city.

- **Why It Is Needed:** Because the track loader is not designed for driving long distances on city streets, a dedicated trailer is required for rapid deployment and mobility. The tilt-deck design increases safety for staff during the loading process

- **Cost: \$13,266.50.**

- **Overview Statistics:**

- **Dimensions:** 83" wide by 20' long.
- **Weight Rating:** 14,000 lbs GVWR with dual 7,000 lb axles.

PAVEMENT POWER: FORT BRAGG'S NEW STRATEGIC MAINTENANCE FLEET

Fort Bragg transitions to high-quality "hot-mix" asphalt repair with this **\$854,117.32** "Option 1" strategic equipment acquisition, addressing street degradation concerns.

PRIMARY PAVING & REPAIR MACHINERY



Thermo-Lay Pothole Patching Machine

6.25 cubic yard truck-mounted system. 9 KW electric heating system.



EXTENDED HOT-MIX USABILITY. Advanced tac-pot technology extends hot-mix asphalt usability to approximately three days.



\$174,905.59 Caterpillar 265 Track Loader

Versatile vertical lift loader. Equipped with a cold planer and vibratory roller.

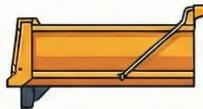


Equipment Component	Estimated Cost
Caterpillar 265 Track Loader	\$174,905.59
International HV607 (Chassis)	\$233,787.85
Thermo-Lay Pothole Patching Machine	\$377,553.39

HEAVY-DUTY SUPPORT & LOGISTICS

2026 International HV607 6x4 Chassis

Features a 46,000-lb capacity rear tandem axle.



Custom 15-Foot BeauRoc Dump Body

A 13-cubic yard capacity body. Hardox 450 steel flooring for maximum durability.



\$13,266.50 Heavy-Duty Equipment Trailer

83" x 20' tilt-deck trailer. 14,000-lb Gross Vehicle Weight Rating.

SUPPORT FLEET CHASSIS COMPARISON

	Option 1: International HV607	Option 2: International HX620
Engine	Cummins L9 (370 HP)	Cummins X15 (450 HP)
Transmission	Allison 3000 RDS	Allison 4500 RDS
Total Price	\$233,787.84	\$275,155.99

NotebookLM

