

Purchase of Asphalt Patching Machine

Overview

Request Owner	Clint Koerperich, Maintenance Supervisor
Department	Maintenance
Form Type	Other
Request Type	Equipment Request

Description

Budget Request – 4 Ton KM Asphalt Hot Box

1. Purpose

To secure funding for the purchase of a Falcon Ton Asphalt Hot Box to support in house street and utility cut repairs. This equipment will significantly reduce outsourcing costs, improve repair quality, enhance crew safety, minimize traffic disruptions, and enable on site recycling of millings.

2. Background

- **Current Practice:**
 - Utility cut resurfacing is subcontracted at an average of \$3,000 per repair.
 - Pothole repairs use 50 lb bags of asphalt patch at \$20 per bag (~\$800/ton).
 - Bag patch is labor intensive, yields shorter lived repairs, and requires traffic closures while curing.
- **Recent Rental Experience:**
 - Four utility repairs performed in house with a rented hot box yielded \$12,000 in savings.
 - Crews were able to plan and coordinate directly with Utilities, reducing idle time and contractor scheduling conflicts.

3. Proposed Equipment

KM 4 Ton Asphalt Hot Box

- **Purchase Price: \$47,968**
- **Rental Price:** \$3,100.00 per month
- **Capabilities:**
 - Heats and maintains hot mix, cold mix, or recycled asphalt at optimal temperature.
 - Ergonomically designed loading/unloading reduces lifting injuries.
 - Allows immediate compaction and reopening to traffic.

4. Cost Comparison & ROI

Item	Unit Cost	Qty/Year	Annual Cost (Current)	Annual Cost (With Hot Box)	Annual Savings
Subcontracted utility repairs	\$3,000/repair	15	\$45,000	\$0	\$45,000
Asphalt bag patch (potholes)	\$800/ton	10?tons	\$8,000	\$949?	\$7,051
Total Annual Cost			\$53,000	\$949	\$52,051

Cold mix delivered: \$94.97/ton × 10?tons = \$949.70

- **Equipment Cost Equivalent:**
 - \$47,968. The cost of 16 contracted utility repairs (\$3,000 × 16).
 - At 15 repairs/year, payback in ~1 year.
 - Does not include additional savings from pothole repairs, reduced traffic control costs, and lower injury rates.

5. Additional Benefits

- **Quality & Longevity:** Hot mix repairs last significantly longer than cold patch, reducing repeat calls and follow-up repairs.
- **Traffic Flow:** Repairs can be reopened immediately, minimizing lane closures and public inconvenience.
- **Safety & Ergonomics:** Mechanized loading/unloading eliminates repetitive lifting of 50-lb bags, reducing workers' comp exposures.
- **Operational Flexibility:** In-house capability allows rapid response to emergency cuts or storm damage without contractor lead times.

6. Asphalt Recycling Capability

The Falcon Hot Box can also recycle millings and reclaimed asphalt pavement (RAP) at no material cost to the City:

- **Material Source:** Millings produced during street resurfacing are available on site. We can offer a short-haul route to contractors, reducing their haul costs and incentivizing recycling.

- **Process:**

1. **Add rejuvenator** to the hardened asphalt millings.
2. **Load millings** into the Hot Box hopper.
3. **Heat overnight** at the lowest effective temperature via indirect, radiant heaters.
4. **Deploy** recycled mix immediately for repairs.

- **Benefits:**

- Eliminates material purchase costs.
- Diverts waste from landfill.
- Further reduces project costs and environmental footprint.

Images

4-Ton Hot Box Trailer



Details

Equipment Status

This is a new addition

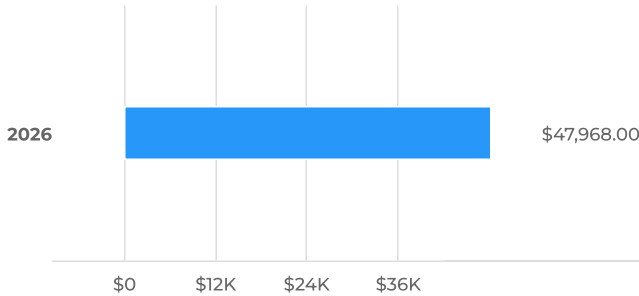
Capital Cost

FY2026 Budget
\$47,968

Total Budget (all years)
\$47.968K

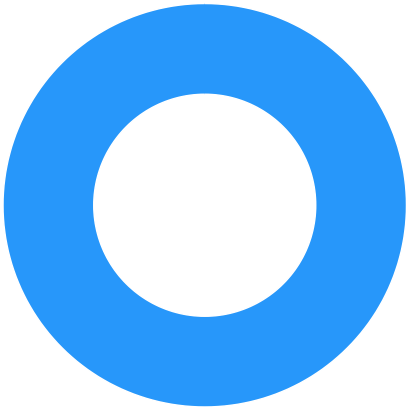
Project Total
\$47.968K

Capital Cost by Year



● Equipment Cost

Capital Cost for Budgeted Years



● Equipment Cost (100%)
TOTAL

\$47,968.00
\$47,968.00

Capital Cost Breakdown		
Capital Cost	FY2026	Total
Equipment Cost	\$47,968	\$47,968
Total	\$47,968	\$47,968

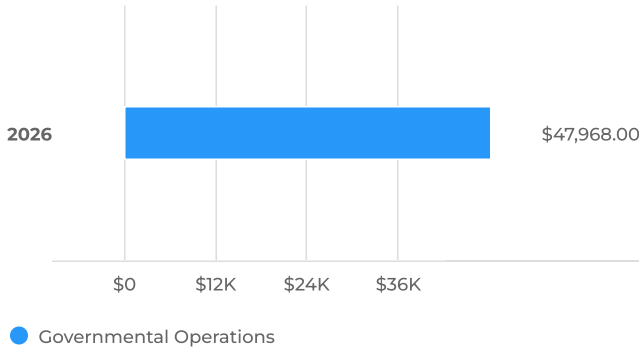
Funding Sources

FY2026 Budget
\$47,968

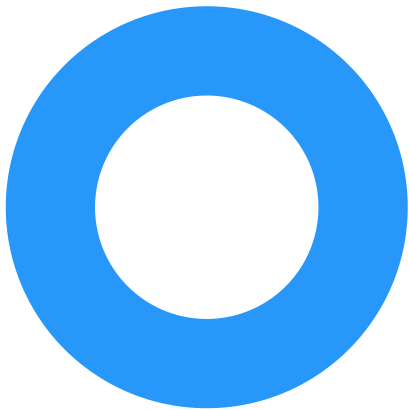
Total Budget (all years)
\$47.968K

Project Total
\$47.968K

Funding Sources by Year



Funding Sources for Budgeted Years



● Governmental Operations (100%) \$47,968.00

TOTAL\$47,968.00

Funding Sources Breakdown		
Funding Sources	FY2026	Total
Governmental Operations	\$47,968	\$47,968
Total	\$47,968	\$47,968



6165 W. Detroit St.
Chandler, AZ 85226
(602) 276-0406 (800) 528-8242
FAX: (480) 940-0313

QUOTE #

BBBQ73403

Date Quoted 5/7/2025

EXPIRATION DATE 6/6/2025

*Due to extreme market volatility of raw materials, quotes are reviewed and revised after 30 days.
Products ordered for shipment after the expiration date on this quote will be adjusted to the price in
the quote valid at the time of the shipment.*

Quote To: Account Code: 928886

Ship To: Account Code:

CITY OF FAIR OAKS RANCH TX

JULIO COLUNGA

7286 DIETZ ELKHORN
FAIR OAKS RANCH, TX 78015
US

Phone: 210-698-0900

Fax: 210-698-3565

Email: JCOLUNGA@FAIROAKSRANCHTX.ORG

Project Title: Fair Oaks Ranch - KM Hot Box - Clint

Bid Date:

Bid Number:

Project Start Date:

Ship Before: 6/6/2025

Quote Effective Dates: 5/8/2025 TO 6/6/2025

Terms: NET 30

F.O.B.: PPD- ADD FREIGHT

Ship Via: Truck/Common Carrier

Sales Group:

Quoted By: Mike Romano

Sales Office: TX1- Mike Romano

Estimated Time to Ship After Receipt of Order:

Customer: CITY OF FAIR OAKS RANCH TX

Project Title: Fair Oaks Ranch - KM Hot Box - Clint

Quote Number BBBQ73403

Date 05-07-25

**SALES TAX EXEMPT CERTIFICATE MUST BE PROVIDED AT THE TIME OF ORDER OR SALES TAX WILL BE
ADDED TO YOUR ORDER**

Part #	Description	Unit	Qty.	Quote Price	Ext. Price
93017N-TX12	KM HOTBOX 4TON DUMP DIESEL (8000TEDD)	EA	1	\$34,590.0000	\$34,590.0000
Hoist (Elec 12V W/Diesel)	Loading Hoist/Winch & Davit 12V Operation	ea	1	\$3,725.0000	\$3,725.0000
Light, Strobe (8000)	KM 8000 Strobe:Amber Strobe Light, 6" Dome Mounted	ea	1	\$400.0000	\$400.0000
Lithium Battery Option	Lithium-100 AH 12V Lifepo4 Battery Option	ea	1	\$1,250.0000	\$1,250.0000
Tool Rack (8000) - 4 Hole	Tool Rack-Four Position Rack, Mounted on Trailer	ea	1	\$390.0000	\$390.0000
Tack Tank; Heated M2	30 Gal Heated Tack Tank M2, Thermostat Controlled (55-175 F) LP Burner, Gravity Outlet 1-1/2" Ball Valve, 30 Lb LP Cylinder not Included	ea	1	\$4,950.0000	\$4,950.0000
Handling	Handling/Packing and/or Crate Charges	ea	1	\$150.0000	\$150.0000
6008224	FOB - Door North Branch, MI 48461 To Door	ea	1	\$2,513.0000	\$2,513.0000

05/08/25 11:05:00

We value your business.

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1 of 3

Customer: CITY OF FAIR OAKS RANCH TX
Project Title: Fair Oaks Ranch - KM Hot Box - Clint

Quote Number: BBBQ73403

Date: 05-07-25

SALES TAX EXEMPT CERTIFICATE MUST BE PROVIDED AT THE TIME OF ORDER OR SALES TAX WILL BE ADDED TO YOUR ORDER

Part #	Description	Unit	Qty.	Quote Price	Ext. Price
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				Sales Tax	\$0.00
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				Sub Total	\$47,968.0000
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				Shipping	\$0.00
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				Total	\$47,968.0000
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Due to extreme market volatility all prices and availability are subject to change without notice, all quotes to be confirmed at time of order and subject to inventory status.

COMMENTS:

Please call or email all orders to Customer Service at:
210-496-2070 or SCTX11@crafco.com
Send orders to customerservice@crafco.com

Crafco Service Facilities : 2413 Richland Ave
Farmers Branch, TX 75234
214-473-4025

4223 Dividend Rd.
San Antonio, TX 78219
210-496-2070

NOTE:**PAYMENT POLICY:**

A deposit of 50% of the purchase price is required on all equipment orders.

Payment of cash, wire transfer or cashier's check for equipment is required at the time of delivery. Personal or Company checks must be deposited and the equipment will not be released until the funds clear. (7-10 days is typical)

WARNING:

Products on this quote may be labeled in accordance with California Proposition 65.

For Terms and Conditions of purchases go to: <https://crafco.com/Terms-of-Sale.pdf> <https://crafco.com/Terms.pdf>

Quantities may be limited at Crafco's discretion.

Pricing and availability are subject to change without notice.

Pricing does not include applicable taxes. Tax exemption forms must be on file prior to invoicing. Unpaid sales tax will be reported to State and Local tax authorities. Extension is net after terms.

FOB DEFINITIONS:

PPA- Delivered; freight included.

PPD- Delivered; freight separate.

Pavement Preservation Products Restocking Policy**RETURN POLICY**

Crafco will only accept the return of products that have been authorized in writing in advance, and proof of purchase is required. Not all purchases are returnable. This is a Return Policy for non-warranty claims. Refer to the product data sheet for information about warranty and claims for warranty reimbursement.

All returns are subject to restocking fees.

All products returned must be in the original packaging and be in good and salable condition.

Crafco reserves the right to charge repackaging fees in addition to restocking fees.

The customer is responsible for all shipping costs of returned products.

Request information on the acceptability for returns for any specific product when ordering.

Nonreturnable Products

Not all products are returnable. Products that have a shelf life or are considered made to order, or special order may not be returned.

No used parts may be returned and any part or product that is non-standard or obsolete is not returnable.

Product	Return Status
Athletic Surfacing Products, Cure & Commercial Liquids, Equipment, Geocomposites, Paint, Sealcoat, and Silicone	Non-Returnable

Restocking Fees

All returnable products have a restocking fee if returned.

Product	Restocking Fee
Parts	15% of part purchase price
All Other Products	25% of product purchase price

How to Return an Item

1. To obtain authorization contact your customer service representative.
2. A written authorization will be faxed or emailed to you.
3. A copy of the Return Authorization must accompany the material being returned.

Ford Ranger for the Code Compliance Officer

Overview

Request Owner	Scott Davis, Building Official
Department	Building Codes
Form Type	Other
Request Type	Vehicle Purchase Request

Description

The Code Compliance Officer has been using truck 127, a truck previously used by utilities. It has been in the shop quite frequently. He needs a small truck to haul items that are placed in the right-of-way and violate the city's ordinances as well as to patrol the city. I believe it to be past its replacement time period. The City has spent around \$2,000 to \$2,400 on repairs on the truck this year. It has a 5.4 engine, which is known for having expensive parts when it comes to tune-ups.

Images



Code Compliance Truck
Ford Ranger



Code Compliance Truck 127
Pictures



Views of Code Compliance Truck
to be replaced



Views of Code Compliance Truck
to be replaced



SEAT TEAR



SEAT TEAR 2



MILEAGE

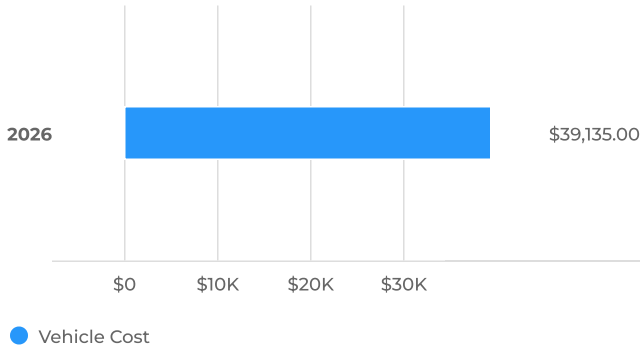
Details

Fleet Status	Replacement of an existing vehicle - existing vehicle will be either repurposed to another department or auctioned
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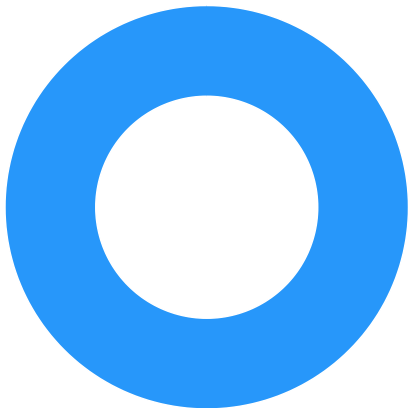
Capital Cost

FY2026 Budget	Total Budget (all years)	Project Total
\$39,135	\$39.135K	\$39.135K

Capital Cost by Year



Capital Cost for Budgeted Years



● Vehicle Cost (100%)	\$39,135.00
TOTAL	\$39,135.00

Capital Cost Breakdown		
Capital Cost	FY2026	Total
Vehicle Cost	\$39,135	\$39,135
Total	\$39,135	\$39,135

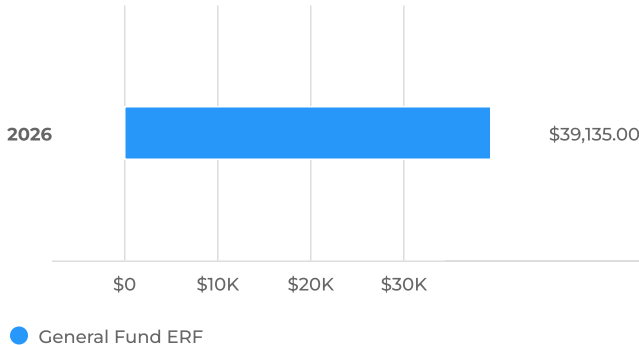
Funding Sources

FY2026 Budget
\$39,135

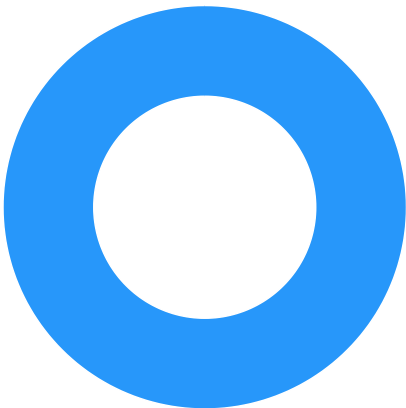
Total Budget (all years)
\$39.135K

Project Total
\$39.135K

Funding Sources by Year



Funding Sources for Budgeted Years



General Fund ERF (100%)
\$39,135.00

TOTAL
\$39,135.00

Funding Sources Breakdown		
Funding Sources	FY2026	Total
General Fund ERF	\$39,135	\$39,135
Total	\$39,135	\$39,135