



**NORTHGLENN POLICE DEPARTMENT
COUNCIL MEMORANDUM #14-02**

TO: Honorable Mayor Joyce Downing and City Council Members

FROM: John R. Pick, City Manager 
James S. May, Jr., Chief of Police 

DATE: February 24, 2014

SUBJECT: CR-24, 2014 Replacement Patrol Vehicles (4)

RECOMMENDATION:

Attached to this memorandum is a Resolution seeking the Council's approval to issue a Purchase Order to Spradley Barr Ford Lincoln of Greeley, Inc., for the purchase of replacement police vehicles in excess of \$25,000.00 per vehicle. The police vehicles being recommended for replacement are Units #230, #232, #234 and #235 as indicated on attached Vehicle Replacement Criteria sheet. The above vehicles were rated as follows:

- Unit 230 – Rated 12
- Unit 232 – Rated 13
- Unit 234 – Rated 13
- Unit 235 – Rated 13

BACKGROUND:

The purchase of four (4) 2014 Ford Utility Police Interceptors are quoted at the price of \$28,208.00 each from the State of Colorado price agreement, bid number 07000YYY80M -2014. The total amount of this Purchase Order is not to exceed \$112,832.00. The cutoff date for the ordering of these replacement vehicles is March 14, 2014.

BUDGET IMPLICATIONS:

Council previously approved funding for these purchases in the 2014 Budget – Police Administration – Capital Outlay fund. The total amount to purchase and outfit four police vehicles is \$210,000.00, which is approved in this fund.

STAFF REFERENCE:

If Council members have any comments or questions, they may contact Chief James S. May, Jr. (303) 450-8967 or e-mail at jmay@northglenn.org, or Commander Beth Carmosino (303) 450-8819 or e-mail at bcarmosino@northglenn.org.

Prepared For:

NORTHGLENND QE237

Prepared By:

John Wieneke
Spradley Barr Ford, Greeley
4901 29th Street
Greeley, Colorado, 80634
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Vehicle Profile

2014 Ford Utility Police Interceptor

AWD Base (K8A)

Powertrain

3.7L V-6 DOHC SMPI 24 valve engine with variable valve control * 220 amp HD alternator * 750 amp 78 amp hours (Ah) HD battery * Engine oil cooler, HD radiator, transmission oil cooler * 6-speed electronic automatic transmission with overdrive, lock-up * Automatic full-time all-wheel drive with permanent locking hubs * ABS & driveline traction control * 3.65 axle ratio * Dual stainless steel exhaust with tailpipe finisher

Steering and Suspension

Electric power-assist rack and pinion steering * 4-wheel disc brakes with front vented discs * AdvanceTrac w/Roll Stability Control electronic stability control with anti-roll * Independent front suspension * Front strut suspension * Front anti-roll bar * Front coil springs * Gas-pressurized front shocks * Rear independent suspension * Rear multi-link suspension * Rear anti-roll bar * Rear coil springs * Gas-pressurized rear shocks * Front and rear 18.0" x 8.00" black steel wheels with hub covers * P245/55WR18.0 BSW AS front and rear tires * Inside under cargo mounted full-size steel spare wheel

Safety

4-wheel anti-lock braking system * Center high mounted stop light * Dual airbags, seat mounted driver and passenger side-impact airbags, Safety Canopy System curtain 1st and 2nd row overhead airbags, airbag occupancy sensor * Front height adjustable seatbelts with front pre-tensioners

Comfort and Convenience

Air conditioning, air filter, underseat ducts * AM/FM stereo, clock, seek-scan, in-dash mounted single CD, MP3 decoder, 6 speakers, speed sensitive volume, integrated roof antenna, radio steering wheel controls * 1 1st row LCD monitor * Cruise control with steering wheel controls * Power door locks, child safety rear door locks, tailgate/rear door lock included with power door locks * 2 12V DC power outlets, driver foot rest, retained accessory power, power adjustable pedals * Analog instrumentation display includes tachometer, engine temperature gauge, engine hour meter, systems monitor, redundant digital speedometer, trip computer, trip odometer, rear parking sensors * Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, low washer fluid, door ajar, trunk/liftgate ajar, service interval, brake fluid, low tire pressure * Steering wheel with tilt adjustment * Power front and rear windows with deep tint, driver 1-touch down, fixed rearmost windows * Variable intermittent front windshield wipers, sun visor strip, fixed interval rear wiper with heated wiper park, rear window defroster * Dual vanity mirrors * Day-night rearview mirror * Interior lights include dome light with fade, front and rear reading lights * Mini overhead console with storage, locking glove box, dashboard storage, driver and passenger door bins * Carpeted cargo floor, plastic trunk lid/rear cargo door, cargo tie downs, cargo light, cargo tray/organizer

Seating and Interior

Seating capacity of 5 * Bucket front seats with adjustable head restraints * 8-way adjustable (6-way power) driver seat includes lumbar support * 4-way adjustable passenger seat * 60-40 folding rear split-bench seat with fold forward seatback * Cloth faced front seats with vinyl back material * Vinyl faced rear seats with carpet back material * Full cloth headliner, full vinyl/rubber floor covering, metal-look instrument panel insert, urethane gear shift knob, metal-look door panel insert, metal-look interior accents

Prices and content availability as shown, are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information. Reference CT05208919 12/26/2013

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Price Level: 440

QuoteID: <None>

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Vehicle Profile Continuea

Prepared By: John Wieneke
Dealership: Spradley Barr Ford, Greeley

Seating and Interior (Continued)

Exterior Features

Rear lip spoiler, side impact beams, front license plate bracket, galvanized steel/aluminum body material * Black bodyside cladding, black wheel well trim molding * Black side window moldings, black front windshield molding * Black door handles * Black grille * 4 doors with liftgate rear cargo door * Driver and passenger power remote black heated convex spotter folding outside mirrors * Front and rear body-colored bumpers with black rub strip/fascia accents * Projector beam halogen headlamps * Clearcoat monotone paint * Police/fire

Warranty

Basic	36 month/36,000 miles	Powertrain	60 month/100,000 miles
Corrosion Perforation	60 month/unlimited mileage	Roadside Assistance	60 month/60,000 miles

Dimensions and Capacities

Output	304 hp @ 6,500 rpm	Torque	279 lb.-ft. @ 4,000 rpm
1st gear ratio	4.484	2nd gear ratio	2.872
3rd gear ratio	1.842	4th gear ratio	1.414
5th gear ratio	1.000	6th gear ratio	0.742
Reverse gear ratio	2.882	City/hwy	16 mpg/21 mpg
Curb weight	4,639 lbs.	GVWR	6,300 lbs.
Front legroom	40.6 "	Rear legroom	41.6 "
Front headroom	41.4 "	Rear headroom	40.1 "
Front hiproom	57.3 "	Rear hiproom	56.8 "
Front shoulder room	61.3 "	Rear shoulder room	60.9 "
Passenger area volume	118.4 cu.ft.	Length	197.1 "
Body width	78.9 "	Body height	69.2 "
Wheelbase	112.6 "	Axle to end of frame	46.5 "
Front tread	67.0 "	Rear tread	67.0 "
Turning radius	19.4 '	Fuel tank	18.6 gal.
Interior cargo volume	48.1 cu.ft.	Interior cargo volume seats folded	85.1 cu.ft.
Interior maximum cargo volume	85.1 cu.ft.		

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Prepared By:

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Greeley, Colorado, 80634
Phone: 970-506-3621
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Selected Options

2014 Ford Utility Police Interceptor

AWD Base (K8A)

Vehicle Snapshot	Engine: 3.7L V6 Ti-VCT FFV Transmission: 6-Speed Automatic Rear Axle Ratio: 3.65 GVWR: 6,300 lbs
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Code	Description	Class
K8A	Base Vehicle Price (K8A)	STD
Packages		
500A	Preferred Equipment Package 500A <i>(99R) Engine: 3.7L V6 Ti-VCT FFV : High efficient police calibrated displacement technology is optimal for long days spent idling or on the job.;</i> <i>(44C) Transmission: 6-Speed Automatic : Exclusively police calibrated for maximum acceleration and faster closing speeds.;</i> (STDAX) 3.65 Axle Ratio; <i>(STDGV) GVWR: 6,300 lbs;</i> (STDTR) Tires: P245/55R18 AS BSW; <i>(STDWL) Wheels: 18" x 8" 5-Spoke Painted Black Steel : Includes center caps and full size spare.;</i> (9) Heavy-Duty Cloth Front Bucket Seats/Vinyl Rear : Unique. Includes 6-way power track driver (fore/aft.up/down tilt with manual recline), 2-way manual lumbar and passenger 2-way manual track (fore/aft. with manual recline).; (STDRD) Radio: AM/FM/CD/MP3 Capable : Includes clock, 6 speakers and 4.2" color LCD screen center-stack "Smart Display".	INC
Powertrain		
99R	Engine: 3.7L V6 Ti-VCT FFV <i>High efficient police calibrated displacement technology is optimal for long days spent idling or on the job. Torque: 279 ft.lbs. @ 4000 rpm.</i>	INC
44C	Transmission: 6-Speed Automatic <i>Exclusively police calibrated for maximum acceleration and faster closing speeds.</i>	INC
STDAX	3.65 Axle Ratio	INC
STDGV	GVWR: 6,300 lbs	INC
Wheels & Tires		
STDTR	Tires: P245/55R18 AS BSW	INC

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Selected Options Continued

Prepared By: John Wieneke
 Dealership: Spradley Barr Ford, Greeley

Code	Description	Class
STDWL	Wheels: 18" x 8" 5-Spoke Painted Black Steel <i>Includes center caps and full size spare.</i>	INC
Seats & Seat Trim		
9	Heavy-Duty Cloth Front Bucket Seats/Vinyl Rear <i>Unique. Includes 6-way power track driver (fore/aft.up/down tilt with manual recline), 2-way manual lumbar and passenger 2-way manual track (fore/aft. with manual recline).</i>	INC
Other Options		
113WB	113" Wheelbase	STD
PAINT	Monotone Paint Application	STD
STDRD	Radio: AM/FM/CD/MP3 Capable <i>Includes clock, 6 speakers and 4.2" color LCD screen center-stack "Smart Display".</i>	INC
66A	Front Headlamp Lighting Solution <i>(60A) Grille Lamp, Siren & Speaker Pre-Wiring. Includes base projector beam headlamp plus (2) multi-function Park/Turn/Warn (PTW) bulbs for wig-wag simulation, (2) white hemispheric lighthouse LED side warning lights. Wiring and LED lights included. Controller not included.</i>	STD INC
66C	Rear Lighting Solution <i>Includes (2) backlight flashing linear high-intensity LED lights (driver's side red/passenger side blue) mounted to inside liftgate glass and (2) backlight flashing linear high-intensity LED lights (driver's side red/passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open). LED lights only. Wiring and controller not included.</i>	STD INC
153	Front License Plate Bracket	STD
43D	Dark Car Feature <i>Courtesy lamp disabled when any door is opened.</i>	STD
17T	Red/White Dome Lamp in Cargo Area	STD
60A	Grille Lamp, Siren & Speaker Pre-Wiring	INC
51T	Driver Only LED Spot Lamp (Whelen)	STD
61R	4 Remappable Steering Wheel Switches <i>Does not include SYNC.</i>	STD
52P	Hidden Door Lock Plunger/Rr Door Handle Inoperable	STD
18W	Rear Power Window Delete <i>Operable from front driver side switches.</i>	STD
59B	Keyed Alike - 1284x	STD
549	Heated Sideview Mirrors	STD
76R	Reverse Sensing	STD
60R	Noise Suppression Bonds <i>Includes ground straps.</i>	STD
Internal Options		
PNTTBL	Paint Table : Primary	STD
Interior Colors For : Primary		
9W	Charcoal Black	STD

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Selected Options Continued

Prepared By: John Wieneke
 Dealership: Spradley Barr Ford, Greeley

Code	Description	Class
Primary Colors For : Primary		
UA	Ebony BLACK	

Vehicle Subtotal

Destination

Vehicle Subtotal (including Destination)

BASE BID PRICING - \$29,951⁰⁰

DELETE COMPLETE #810 PACKAGE < \$4,428⁰⁰ >

ADD BACK	66A	\$ 915 ⁰⁰
	66C	\$ 455 ⁰⁰
	43D	\$ 20 ⁰⁰
	17T	\$ 50 ⁰⁰
	60A	\$ 0 ⁰⁰
	51T	\$ 420 ⁰⁰
	61R	\$ 155 ⁰⁰
	52P	\$ 160 ⁰⁰
	18W	\$ 25 ⁰⁰
	59B	\$ 50 ⁰⁰
	549	\$ 60 ⁰⁰
	76R	\$ 275 ⁰⁰
	60R	\$ 100 ⁰⁰

\$28,208⁰⁰
 EACH
 AS SPEC'D

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Guidelines for Vehicle and Equipment Replacement

Purpose:

The City of Northglenn has a substantial capital investment in fleet vehicles and equipment. City fleet units are essential tools providing employees the means to provide services and protection to the community, maintain infrastructure and preserve parks and greenbelts. The Fleet Services Division of the Public Works Department provides the majority of routine preventative maintenance services. In addition, Fleet Services inspects and repairs fleet units when damage has occurred. Damage can typically be classified into vehicle or equipment defects, result of an accident, or other types of damage.

As part of the ongoing maintenance and tracking history all fleet units are routinely inspected, rated for overall condition, and records kept regarding each unit's history to determine a unit's condition score. The rating criteria used to determine a unit's condition score consists of multiple factors that have been adopted by other fleets in the service and repair industry. The rating score gives fleet technicians, supervisors and department heads a snapshot of each unit's condition. Key factors in a unit's condition score that help to determine at what point a unit should be considered for replacement include:

- Age
- Mileage
- Service history
- Environmental
- Safety
- Down time
- Ongoing maintenance cost

Vehicle and Equipment Categories:

When considering rating criteria, fleet units are typically divided into three categories.

1. Severe Duty Units – These units are subject to a harsh working environment. Due to the nature of the intended use these units tend to have a shorter life expectancy. Examples of Severe Duty Units include police patrol units, trash trucks, and street sweepers.
2. Normal Use Vehicles – These units may be used daily or infrequently but are generally not subjected to severe operating conditions. Normal Use Vehicles comprise the majority of the city fleet and include the majority of cars and light trucks.
3. Small Equipment – These units by its nature are typically not designed to the same standard as passenger cars or trucks. Usually their replacement cost is lower and the expected life span is lower. Examples of Small Equipment include small tractors and riding lawnmowers.

Rating Criteria:

The four major components of the rating criteria as stated above are age, mileage, service history, and environmental.

Age -

As units age, a larger percentage of parts and components wear and ultimately require replacement. Common wear items are readily available and are usually easily installed with minimal downtime. As a vehicle ages, more expensive components might require replacement. Not only does the maintenance cost increase substantially, but the service time required also increase. The increase in service time results in a loss of productivity to end users. In some cases certain vehicles and equipment go obsolete over time making parts acquisition harder and maintenance cost higher.

Mileage-

Usage can be a factor of mileage or engine hours. Sometimes a vehicle or piece of equipment may not appear to have accrued a lot of mileage but may spend substantial time idling. Police patrol units frequently need to be left running to power communications equipment and emergency lighting. Trash trucks typically go 50 to 100 feet between stops. Over time engines, transmissions, braking components and other items in vehicles that have high idle times may show wear that is similar to a vehicle that has traveled tens of thousands of miles.

Service History-

Routine preventative maintenance services are generally performed on all fleet units at least twice a year. Certain vehicles and equipment require a more frequent service interval. All services are logged and kept as part of the unit's history. When downtime becomes more frequent and greater number of parts fail or require replacement the unit reaches a point at which the continued operational costs exceed the present value of the unit.

Environment-

Every new model year produces more efficient, environmentally friendly and technologically advanced equipment. With ever escalating fuel costs, improvements in fleet gas mileage becomes more important. Advances in technology can make operators more productive and reduce the likelihood of injuries. As vehicles and equipment age paint fades, rust spots occur and public perception of City equipment declines.

Summary:

Every fleet unit has a different life expectancy. Factors such as routine inspections and daily maintenance checks are items that should be performed by users to help extend the life of fleet units. The goal of Fleet Services Division is to provide a high level of service to our internal customers, keep departmental vehicles and equipment in service at minimal cost and assist user departments in providing information for make well-informed decisions regarding fleet replacement. A sample rating form used on fleet units is attached to these guidelines.

FLEET REPLACEMENT CRITERIA Date _____ Unit # _____ Miles/Hrs. _____

Rating Scale

Score _____

- 1-3 Overall good condition
- 4-6 Some wear but generally serviceable
- 7-9 May need significant repairs or component replacement
- 10+ Designate for replacement

Rating Criteria:

Age:

- Severe duty (police, solid waste, etc.) - 4-5 years 3 points _____
- Severe duty (police, solid waste, etc.) - over 5 years 4 points _____
- Normal use – 5-7 years 2 points _____
- Normal use – 8-10 years 3 points _____
- Normal use - over 10 years 4 points _____
- Small equipment – 4-5 years 3 points _____
- Small equipment – over 5 years 4 points _____

Mileage/hours:

- Severe duty light cars and trucks – 50,000 miles/3,000 hours 3 points _____
- Severe duty light cars and trucks – 75,000 miles/4,000 hours 4 points _____
- Severe duty heavy trucks/equipment – 75,000 miles/4,000 hours 3 points _____
- Severe duty heavy trucks/equipment – 100,000 miles/5,000 hours 4 points _____
- Normal Use 50,000 miles and or 2,500 hour 2 points _____
- Normal Use 75,000 miles and or 5,000 hours 3 points _____
- Normal Use 100,000 miles and or 7,500 hours 4 points _____
- Small equipment over 2,000 hours 3 points _____
- Small equipment over 2,500 hours 4 points _____

Maintenance history:

- Out of warranty 1 point _____
- Annual repairs exceeding 25% of current market value 3 points _____
- Annual repairs exceeding 50% of current market value 4 points _____
- Unscheduled repairs – (wear and tear) more than 3 per year 2 points _____
- Unscheduled repairs – (wear and tear) more than 5 per year 3 points _____
- Difficult parts availability 1 point _____
- Serviceability by outside vendor unavailable/unsatisfactory 2 points _____

Environmental/aesthetics:

- EPA fuel economy 10%< new model 1 point _____
- EPA fuel economy 20%< new model 2 points _____
- EPA fuel economy 30+%< new model 3 points _____
- Failed/difficulty passing emissions 3 points _____
- Obsolescence/change of use 2 points _____
- External appearance – minor dents/dings, rust 1 point _____
- External appearance – damaged body panels, moderate rust 2 points _____
- External appearance – structural damage, not fully functional, major rust 4 points _____
- Hybrid/AFV replacement available 1 point _____

PATROL

Equipment ID	Equipment Description	Condition Rating	Date of Rating
205-09	FORD PATROL CAR	09	
206-08	FORD PATROL CAR	10	8/8/2013 8:00:00 AM
207-09	FORD PATROL CAR	10	9/23/2013 8:00:00 AM
208-08	FORD PATROL CAR	09	9/17/2013 8:00:00 AM
211-10	CHEVROLET PATROL SUV	04	12/20/2013 8:00:00 AM
215-09	FORD PATROL CAR	10	1/28/2014 8:00:00 AM
216-08	FORD PATROL CAR	10	11/5/2013 8:00:00 AM
230-07	FORD PATROL CAR	12	11/27/2013 8:00:00 AM
231-07	FORD PATROL CAR	14	<i>Replaced in 2013</i>
232-07	FORD PATROL CAR	13	9/17/2013 8:00:00 AM
233-07	FORD PATROL CAR	14	<i>Replaced in 2013</i>
233-13	CHEVROLET PATROL SUV	03	
234-07	FORD PATROL CAR	13	12/29/2013 8:00:00 AM
235-07	FORD PATROL CAR	13	10/15/2013 8:00:00 AM
241-10	CHEVROLET PATROL SUV	03	10/28/2013 8:00:00 AM
244	PATROL CAR	12	12/17/2013 8:00:00 AM
246	PATROL CAR	14	<i>Replaced in 2013</i>
248	PATROL CAR	12	10/11/2013 8:00:00 AM
250	DODGE MAGNUM	08	10/16/2013 8:00:00 AM
251	DODGE MAGNUM	09	12/3/2013 8:00:00 AM
273	CHEVROLET MINI VAN	04	10/18/2013 8:00:00 AM
280-10	CHEVROLET PATROL SUV	03	7/12/2013 8:00:00 AM

POLSUPP

Equipment ID	Equipment Description	Condition Rating	Date of Rating
271	FORD E150 VAN	04	7/15/2013 8:00:00 AM
276	FORD TAURUS	07	12/10/2013 8:00:00 AM
277	FORD TAURUS	08	8/2/2013 8:00:00 AM
281	CHEVROLET IMPALA	12	11/1/2013 8:00:00 AM
284-11	FORD FUSION	02	1/3/2014 8:00:00 AM
285	CHEVROLET IMPALA	08	
286	DODGE STRATUS	10	
290	RENEGADE SWAT VAN	05	1/2/2014 8:00:00 AM
403	CHEVROLET MABLIBU	05	2/3/2014 8:00:00 AM

ANIMALCTRL

Equipment ID	Equipment Description	Condition Rating	Date of Rating
307	DODGE 4X4 PICKUP	11	

SPONSORED BY: MAYOR DOWNING

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-24
Series of 2014

Series of 2014

A RESOLUTION TO AUTHORIZE THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO SPRADLEY BARR FORD OF GREELEY IN AN AMOUNT NOT TO EXCEED \$112,832.00 FOR THE PURCHASE OF FOUR POLICE VEHICLES

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The City Manager is hereby authorized to issue a Purchase Order to Spradley Barr Ford of Greeley in an amount not to exceed to \$112,832.00 for the purchase of four (4) 2014 Ford Utility Police Interceptor vehicles.

DATED at Northglenn, Colorado, this ____ day of _____, 2014.

JOYCE DOWNING
Mayor

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney