



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA **TITLE** Specifications and Advertisement for Bids for Cushman Utility Vehicle

MEETING DATE: August 19, 1992

PREPARED BY: Parks and Recreation Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for **one** Cushman Utility Vehicle for the Parks Department.

BACKGROUND INFORMATION: Cushman **#17 was** struck by a vehicle pulling out from a stop sign on November 5, 1991. The insurance company for the responsible party settled with the City in the amount of \$7,300.00. It is necessary to replace this cushman as we are currently paying overtime to repair or service cushmans that may need it. **We** are also short on the **necessary** number of vehicles for the **Parks** Division.

FUNDING: Account: 12.0-013.84
Estimated cost: \$1 1.200



Ronald Williamson, Director, Parks & Recreation

Prepared by Scott Essin, Parks Superintendent

APPROVED



THOMAS A PETERSON



recycled paper

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SPECIFICATIONS
MODEL 530 (RUNABOUT)

<u>Body</u>	3-Wheel turf chassis: Tow hitch: Front bumper: light switch: horn: ammeter: hand throttle.
<u>Braking Service</u>	Heavy-duty hydraulic on rear wheels: braking mechanism protected form sand. dirt..water.
<u>Braking Parking</u>	Foot-engaged disc-type brake on drive shaft
<u>Color</u>	'Two-tone green.
<u>Dimensions</u>	Ground clearance 4.6" Overall width 46.5" to top of steering wheel. Outside clearance circle 17" Weight 975 Ibs. Wheel Base 78" Wheel Tread Rear 46"
<u>Electrical System</u>	Charging: Heavy-duty. 37 amp alternator. Lights: Two sealed-beam headlights: Combination stoplight/taillight. Starting: 12-volt gear-drive starting motor. Wiring: Wiring harness with abrasion resistent loom: multiple plug-in connectors for accessories.
<u>Frame</u>	Heavy-duty carbon steel channel frame: front bumper.
<u>Performance</u>	Rated capaacity 1900 lbs. Speed (max.) 22.5 mph.
<u>Power</u>	Engine: 22 H.P. OMC die-cast aluminum. Two horizontally opposed cylinders w/cast iron liners. Air cooled 4- cycle.
<u>Clutch</u>	6.5" commercial
<u>Transmission</u>	H-shift pattern. 3-speed forward and 1 reverse. Synchromesh in second and high.
<u>Auxiliary Transmission</u>	Lever engaged 2.1 reducing auxiliary.
<u>Differential</u>	Worm gear with 8.2:1 axle ratio.
<u>Seat</u>	Two passenger. vinyl-clad seat with backrest and hip restraints/hand holds.

Steering Wheel-type.

Suspension Front: Leading-link type supported by two tension springs Front shock absorbers.
Rear: Two multiple leaf-type springs and shock absorbers.

Tires Front: 18-8.00 x 8. 4-ply turf **rib**
Rear: 18-9.50 x A. 8-ply turf **tread**

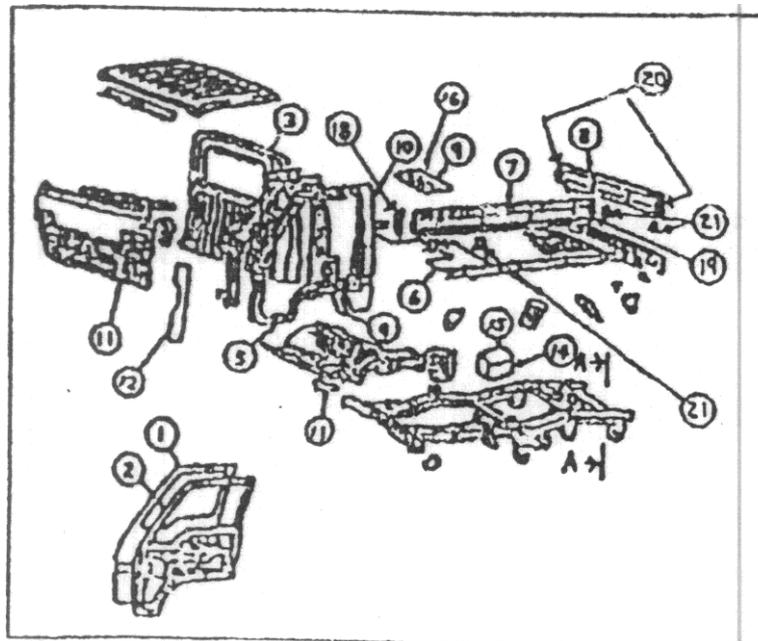
A _____
& _____
Live Hvdraulics. turn signals. hour meter. mirrors (right and left.) Tailgate release. tackometer. Tow-hitch, Flatbed and flatbed sides with tailgate. Flatbed hox with tailnate release.

Duane Wright
Parks Mechanic
6-18-92

CORROSION PROTECTION COMPARISON.

(Number of sides of galvanized metal (zinc coated))

		Mighty Mits	Hijet
1	Front Door Panel - Outer	One	—
2	Front Door Panel - Inner	Two	—
3	Rear Panel	Two	Two
5	Front Floor Side Sill - Outer	One	Two
6	Rear Floor	Two	—
7	Side Gate Panel	One	Two
8	Rear Gate Panel	Two	Two
9	Rear Floor Lid	Two	Two
10	Rear Pillar - Outer	One	—
11	Front Corner Panel	One	—
18	Corner Post - A	Two	Two
19	Corner Post - B	Two	Two
20	Corner Post - Rear Gate	Two	Two
21	Gate Hinge	Two	Two



PRODUCT COMPARISON MIGHTY MITS V. HIJET

ENGINE		Mighty Mits	Hijet	Comments/Advantages
	Balance Shaft	Yes	No	Quieter, less vibration.
	Carburetor	Variable Venturi	Fixed	Improved driveability in all ranges.

TIRES	2WD		5.00-10	5.00-10	Mighty Mits enjoys a significant advantage on 4WD models having both larger and wider tires. The benefit is improved tire life and less turf compaction.
	Street	Turf	20x8.0-10	20x8.0-10	
	4WD		5.00-12	5.00-10	
	Street	Turf	23x8.5-12	20x8.0-10	

BRAKE SYSTEM		2WD		4WD		Comments
		Mighty Mits	Hijet	Mighty Mits	Hijet	
	Front	7.5" Drum	7.0" Drum	Disc	7.0" Drum	The Mighty Mits has larger brakes both front and rear and offers front discs on 4WD models which are not available on Hijet.
	Rear	7.5" Drum	7.0" Drum	8.0" Drum	7.0" Drum	
	Brake Booster	Yes	No	Yes	No	Vacuum assisted power.
	Master Cyl Size	.81"	.69"	.75"	.69"	
Proportioning Valve	No	No	Yes	No	Required to operate disc brake systems.	

PRODUCT COMPARISON- Cont'd

ACCESSORIES		Mighty Mits	Hijet	Comments
	Hour Meter	Yes	No	More In-tune with industry maintenance schedules.
	Audible back-up warning	Yes	No	Added safety.
	Windshield Wiper	2-spd	1-spd	Convenience/safety feature.
	4WD Indicator	Yes	No	Convenience/safety feature.
	Parking Brake Indicator	Yes	No	Convenience/safety feature.
			No	Convenience/safety feature.
	Scuff Plates	Yes	No	Secures mats; better wear protection.
	Side Marker Lights (Amber)	Yes	No	Convenience/safety feature.
	Windshield	Adhesive	Gasket	Adhesive is considered more durable and state of the art.
Floor Mat	Full	Partial	Mighty Mits mat covers entire floor up to the seat cushions.	

PRODUCT COMPARISON- Cont'd

BODY FEATURES

	Mighty MIts	Hijet	Comments
High Root	Yes	▪	Std. all Mighty MIts models. Only on Hijet extended cab model.
Front Overfender Rear Overfender	1.2 mm 1.2 mm	0.7 mm 0.8 mm	Mighty MIts has thicker gauge metal for greater strength and rust-through protection.
Side/Rear Gates Upper Rail Lower Rail Panel	 2.0 mm 2.0 mm 0.9 mm	 1.2 mm 1.2 mm 1.2 mm	Thicker upper and lower rails provide increased strength. Additional bend in side panel compensates for difference in thickness.
Cargo Floor Galvanized-both sides	1.2 mm Yes	1.2 mm No	Mighty MIts has 12 bends v. Hijet's 11 for greater strength. Mighty MIts' bed's galvanized on both faces. Hijet is one side only.
Frame Cross Members ..	4	3	Mighty MIts has greater frame support and its cross members are larger in diameter than Hijet's.
Side Gate Supports	▪ Yes	No	Adds greater strength to bed. Also, the Mighty MIts' rear and side catches are spring loaded and easier to grasp and operate.
Door Reinforcement	Yes	No	Provides greater durability & strength.

TILT BED

	Mighty MIts	Hijet	Comments
Cargo Dimensions Height of Header	.730 cu.m. 379 mm	.670 cu.m. 275 mm	The Mighty MIts has larger bed capacity with additional volume of .06 cubic meters.

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PRODUCT COMPARISON - Cont'd

- Spark Plugs** **The Mighty Mits' plugs can be easily accessed directly under the driver's seat. The Hijet's are further back and more difficult to reach.**
- Alternator Belt** **Access to the Mighty Mits' alternator belt is directly below the passenger seat. Hijet's is located at the bottom of an upright cross member and is not easily reached.**
- Carburetor Idle Speed Adjustment** **Mighty Mits can be accessed through seat opening. To reach the Hijet carburetor requires removing the cover in the bed, which means that the cargo would have to be removed before this service could be completed.**
- Timing Belt** **Mighty Mits has easy access to timing belt for required adjustments. Hijet requires disassembly of crank pulley, water pump pulley and v-belt.**
- Oil Filter** **Access is not extremely difficult on the Hijet, but it is still easier to get to the Mighty Mits'.**

Ron Williamson
Parks And Recreation Director

CITY OF LOS ANGELES
SPECIAL ALLOCATION REQUEST

1250
MAY 27 '92
City Manager's Office

TO: FINANCE DIRECTOR
CITY MANAGER

DATE: May 1, 1992

FROM: Scott Essin, Parks Superintendent

PROJECT NUMBER: 12.0 - 013.84 - 503

Request is made for funds to accomplish the following project which was not included in the current budget.

Description of Project	Estimated Cost
<u>Allocation of funds</u>	\$ 11,200.00

Cushman #17 was struck by a vehicle pulling out from a stop sign on November 5, 1992. The insurance company for the responsible party settled with the City in the amount of \$7300.00. It is necessary to replace this cushion as we are currently paying overtime to repair or service cushions that may need it. We are also short on the necessary number of vehicles for the Parks Division.

I am therefore requesting \$11,200.00 to purchase a cushion.

Ron Williamson, Director
Parks and Recreation

(If you need more space, use additional sheet and attach to this form.)

Date of Approval 5/19/92

Amount Approved \$ 11,200.00

Council _____

City Manager X

1100
6-1-92

FUND OR ACCOUNT TO BE CHARGED

Current Budget \$ _____

Prior Year Reserve \$ _____

Contingent Fund \$ _____

General Fund Surplus \$ _____

Capital Outlay Reserve \$ _____

Reimbursable Account \$ _____

Utility Outlay Reserve \$ _____

Others (Specify) _____

X 12 Fund
Account Number 11200

MAY 29 1992



DUKE EQUIPMENT & IRRIGATION, INC.

Excellence in Service

December 20, 1991

Mr. Duane Wright
City of Lodi
125 N. Stockton Street
Lodi, CA 95240

Dear Duane:

Below are the investment figures we discussed over the phone. Product brochures are also enclosed.

Table with 3 columns: Model, Description, Investment. Rows include items like Lawnaire 28, 7 HP (\$4,297.50), GA 30, 18 HP (\$11,430.46), Greensaire 24, 8 HP (\$7,960.62), Toro Greens Aerator (\$11,400.00), and a Cushman truckster with various accessories totaling \$10,390.13.

All prices FOB Lodi, CA. Prices do not include applicable state or local sales tax.

If I can be of further assistance, please give me a call at (200) 238-0856.

Best Regards,
Cliff Hall

Cliff Hall
District Manager-Turf

