

COUNCIL COMMUNICATION

TO: THE CITY COUNCIL	COUNCIL MEETING DATE	NO.
FROM: THE CITY MANAGER'S OFFICE	February 21, 1990	
SUBJECT: PURCHASE OF ONE FLAIL GANG LAWN MOWER		

RECOMMENDED ACTION: That the City Council approve the specifications for one Jacobsen HR-15 Flail Gang Lawn Mower, and authorize purchase of same from H. V. Carter Company, Sacramento, California.

BACKGROUND INFORMATION: On July 6, 1988, the City Council approved Resolution 88-86 naming Jacobsen as the standard mowing equipment for the Parks Department. The resolution also named H. V. Carter Company as the sole supplier for Jacobsen mowers. A copy of that resolution is attached.

The existing equipment which this mower will replace has logged over 4,300 hours of operation, and has become expensive and difficult to repair and maintain.

The estimated cost of new equipment is \$42,000, which has been budgeted in 1989/90 Equipment Fund.



Ron Williamson
Director, Parks and Recreation

RESOLUTION NO. 90-20

RESOLUTION OF THE LODI CITY COUNCIL
APPROVING THE SPECIFICATIONS FOR
ONE JACOBSEN HR-15 FLAIL GANG LAWN MOWER,
AND AUTHORIZING PURCHASE OF SAME FROM SOLE SOURCE SUPPLIER

WHEREAS, the Council by Resolution 88-86 has heretofore approved standardization of Jacobsen F-15 Tractor and Gang Mowers from H. V. Carter, as sole supplier;

WHEREAS, the City is now desirous of replacing a worn mower with a new Jacobsen HR-15 Flail Gang Lawn Mower;

NOW, THEREFORE, the Lodi City Council hereby approves the specifications for one Jacobsen HR-15 Flail Gang Lawn Mower; and

BE IT FURTHER RESOLVED, the Lodi City Council hereby authorizes the purchase of said Jacobsen HR-15 Flail Gang Lawn Mower from H. V. Carter Company, Sacramento, California in the amount of \$42,000.

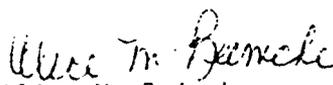
Dated: February 21, 1990

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I hereby certify that Resolution No. 90-20 was passed and adopted by the City Council of the City of Lodi in a regular meeting held February 21, 1990 by the following vote:

Ayes: Council Member - Hinchman, Oison, Pinkerton, Reid and Snider (Mayor)

Noes: Council Member - None

Absent : Council Member - Lone


Alice M. Reimche
City Clerk

SPECIFICATIONS

TURF TRACTOR/FLAIL GANG MOWER JACOBSEN MODEL H.R. 15

SCOPE This specification covers a turf tractor with flail mower attachments. All mowing is done in front of the drive wheels.

ENGINE Perkins Diesel

Cylinders	4
Displacement	236 cu. in. (3867cc)
Bore	3.875 in. (98.4mm)
Stroke	5 in. (127mm)
Compression Ratio	16:1
MFGR HP Rating at 2500 RPM	78 (58.0 KW)
Max. Intermittent HP at 2250 RPM	74 (55.1 KW)
Max. Intermittent torque at 1350 RPM	192 ft. lbs. (260 NM)

GOVERNOR

Centrifugal flyweight type

BATTERY

12 Volt minimum cold cranking rating of 700 amps at zero degrees Fahrenheit (-18 degrees C)

COOLING

Centrifugal type circulating pump full length water jacket, 6-blade fan and coolant capacity of 16 quarts (15.1L).

Engine oil cooler and hydraulic oil cooler.

FUEL CAPACITY

20 Gallons (79.5L).

AIR CLEANER

Large capacity, dry type Donaldson cyclopac air.

ALTERNATOR

42 amp capacity

CLUTCH

12" (305mm) Heavy-duty Borg & Beck

DRIVE AXLE

Dana Model **60**, **7.17:1** reduction. Limited-slip differential.

TIRE & INFLATION PRESSURE

Front: **33 x 12.5 x 16.5** radials, **20** PSI
Rear: **9.5L x 14**, **20** PSI

BRAKES

2-1/2" x 12" (64mm x 305mm). Foot operated hydraulic automotive-type brakes on drive wheels; mechanical parking brake on drive wheels.

STEERING

Hydrostatic power steering.

TRANSMISSION

Heavy duty, with **4** speeds forward, **1** reverse. Helical **synchromesh** in 2nd, 3rd and 4th gears.

ROLL BAR

R.O.P.S. with canopy and road light kit.

<u>SPEEDS AT 2250 RPM:</u>	<u>Gear</u>	<u>MPH</u>	<u>KM/H</u>
	1st	2.72	4.38
	2nd	5.44	8.78
	3rd	10.15	16.38
	4th	18.18	29.33

VEHICLE DIMENSIONS WITH FLAIL

Weight transport	6,510 lbs. (2,959 kg)
Weight cutting (adjustable)	4,100 lbs. to 5,300 lbs., (1,864 kg to 2,409 kg)
Height with flails raised	8 ft. 4 in. (2.54 m)
Height with flails lowered, with R.O.P.S.	7 ft. 10 in. (2.39 m)
Width raised	10 ft. 0 in. (5.12 m)
Width lowered	16 ft. 9.5 in. (5.12 m)
Length	15 ft. 8 in. (4.77 m)
Cutting width	16 ft. 0 in. (4.88 m)
Ground clearance	8.5 in. (216mm) minimum

FLAIL MGWER

Mowers

Three 72 in. (1.83 m)
Rear discharge flails

Housing Material

14 gauge steel

Blades

180 double-edged hardened steel

Rotors

Interior balanced; spiral tab/blades mounting design; dynamic balanced complete with blades; reversible rotor assembly 1.125 in (28.57mm); Greasable bearings in cast housing.

Drive

Hydraulic motor. To one "B" section belt with single idler adjustment.

Rotation

Forward cut or clockwise, viewed from left of flail.

Blade Tip Speed

8,443 FPM (2,573.4 m/min.)

Cutting Height

0 - 6 in. (0-152.4 mm)

Height control

Gauge wheels on front and rear
4 x 11.00 4-ply pneumatic tires or
3.25 x 10.25 solid tires, and rear
full-width roller.

Anti-scalp Protection

Full-width 4-in/ (101.6mm) O.D. ground roller with rounded ends to prevent marking. Used to 0-3 inch (0-76.2 mm) height.

DIMENSIONS: Length 32 in.

(812.8 mm)

Width

84.87 in. (2,155.7 mm)

Height

32 in. (812.8 mm)

Weight

536 lbs. (243.13 kg)

SAFETY REQUIREMENTS

This unit shall be the latest production model and meet or exceed all Federal, State, and Local Safety Codes. It must be bid by a vendor capable of supplying a full line of parts and service.

TECHNICAL SERVICE MANUAL

A detailed technical service manual shall be provided by the vendor at the time the equipment is delivered to the City of Lodi.