Resolution authorizing the Auditor to pay for fixed assets approved by the Board during the budget deliberation process. The Board approved appropriations for the following:

1) 704-0314-586-0658 Patching Unit $49,500

We were able to find the unit we wanted through a "tag-on" bid with the City of Long Beach California (attached). We tested several different units over a period of five months to determine which suited our needs. After determining the appropriate unit, we found the unit that had gone through the formal bid process with the City of Long Beach for the "tag-on" from Empire Equipment for $49,422, including tax.

BACKGROUND AND HISTORY OF BOARD ACTIONS:

The Board approved purchase appropriations during the budget hearings.

LIST ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:

N/A

COSTS: ( ) Not Applicable
A. Budgeted current FY> $49,500
B. Total anticipated Cost> $49,442
C. Required additional funding> 
D. Internal transfers> 

COSTS: ( ) 4/5th Vote Required
A. Unanticipated revenues> 
B. Reserve for contingencies> 
C. Source description: >

Balance in Reserve Contingencies, If Approved: 

SPECIAL INSTRUCTIONS:
List the attachments and number the pages consecutively:

1. Bid

ADMINISTRATIVE OFFICER'S RECOMMENDATION:

This item on agenda as:

Recommended
Not Recommended
For Policy Determination
Submitted With Comment
Returned for Further Action

Comment:

C.A.O. Initials: QA

CLERK'S USE ONLY
Res. No.: 98-85 Ord. No.: 
Vote - Ayes: Noes: 
Absent: abstained: 

Approved Denied 
Minute Order Attached No Action Necessary

The foregoing instrument is a correct copy of the original on file in this office

Date:

ATTEST:

MARGIE WILLIAMS, Clerk of the Board

By: 
Deputy

Phone: 966-5356

By: Marty Allan

DEPARTMENT: Public Works

RECOMMENDED ACTION AND JUSTIFICATION:

Policy Item: Yes  No X
Empire Equipment Co.

FAUX COVER SHEET

DATE/TIME: 05 MAR 98    PAGE (INCLUDING COVER SHEET): 5

TO
NAME/TITLE: MARTY ALLEN
COMPANY: MARIPOSA CO
FAX #: 209-966-5147

FROM
NAME/TITLE: DAVE CONGER
COMPANY: Empire Equipment Co.
FAX #: (916) 922-4532

TELEPHONE #: (916) 922-7181

SUBJECT: TAG ON BID FROM CITY OF LONG BEACH

MESSAGE: MARTY, WE WILL HONOR THIS QUOTE TO YOU BUT WITH THE LESS TAX:

MODEL 81DJ DURA PATCHER

YOUR COST: $46,100.00
7.25% TAX 3,342.25

$49,442.25

ANY QUESTIONS PLEASE GIVE ME A CALL

THANKS

[Signature]
# CITY OF LONG BEACH, CALIFORNIA

**PURCHASE ORDER**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>CITY NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>1</td>
<td>LT</td>
<td>91024</td>
<td>INJECTION TYPE POTHOLE PATCHING AND CRACK SEALING MACHINE, MOUNTED ON HIGHWAY LEGAL TRAILER. PRICE SHALL INCLUDE ANY TRUCK TAIL-BATE MODIFICATIONS NEEDED TO GRAVITY FEED (NO AUGERS OR CONVEYERS) AGGREGATE TO PATCHING MACHINE HOPPER BOX, PER ATTACHED SPECIFICATION. UNIT SHALL ALSO INCLUDE CRACK SEALING ATTACHMENT.</td>
</tr>
<tr>
<td>02</td>
<td></td>
<td></td>
<td></td>
<td>DURACO IND. BIDJ WITH CRACK SEALER</td>
</tr>
</tbody>
</table>

**SEND INVOICE AND TWO (2) COPIES TO:**
LONG BEACH, CITY OF ACCOUNTS PAYABLE 6TH FL. 333 W OCEAN BLVD. LONG BEACH, CA 90802

**SHIP TO:**
PS/STREET MAINTENANCE STREET SURFACE/BLDG 84420 1601 SAN FRANCISCO AVE. LONG BEACH, CA 90802

**TO:** BEVERLY GLAVAS
(562) 570-6361 EXT.

**BID TO:**
CONNOR J. INC. 126 E MONTECITO AVE. SIERRA MADRE CA 91024

**BUYER:**
600000

**DAYS AND NET:**
30 DAYS 0640

---

**THIS INFORMATION IS AVAILABLE IN AN ALTERNATIVE FORMAT BY CONTACTING THE ABOVE NOTED BUYER.**
IN THIS BID WILL ORDER ITS OWN REQUIREMENTS WITHOUT REGARD TO THE CITY OF LONG BEACH. THE CITY OF LONG BEACH ASSUMES NO LIABILITY OR PAYMENT GUARANTEE ON ANY UNITS SOLD TO PARTICIPATING AGENCIES.

Geoff Peach

CITY OF LONG BEACH, CALIFORNIA

CONOR, J., INC.
126 E MONTECITO AVE
SIERRA MADRE CA

600000

PS/STREET MAINTENANCE
STREET SURFACE/BLDG #4420
1601 SAN FRANCISCO AVE.
LONG BEACH, CA

91024

90813

IN THIS BID WILL ORDER ITS OWN REQUIREMENTS WITHOUT REGARD TO THE CITY OF LONG BEACH.

THE CITY OF LONG BEACH ASSUMES NO LIABILITY OR PAYMENT GUARANTEE ON ANY UNITS SOLD TO PARTICIPATING AGENCIES.

Geoff Peach
SPECIFICATIONS
SPRAY INJECTION ROAD REPAIR MACHINE

The Spray Injection Road Repair Machine shall be a 1997, trailer-mounted unit, designed to repair potholes, cracks and broad distressed areas in paved surfaces; be capable of blowing water, dust and debris from the area to be repaired and apply a spray of hot asphalt emulsion on the cleaned surface that will provide a tack coat and then inject emulsion-coated aggregate.

Aggregate shall be received from a dump truck with a modified tailgate in order to gravity feed the hopper box. No augers, conveyors or other mechanical devices shall be allowed. The hopper box shall be designed to hold the aggregate before it enters the air stream created by the blower. The hopper box shall have a safety screen bolted in place and will allow aggregate up to 2-1/2 inches in size to pass into the system without clogging. The hopper box shall be equipped with a slide gate opened and closed by a 3-1/4 inch diameter, 4-inch stroke air ram. Aggregate shall be fed to the aggregate hose through a blow-vac hose capable of passing up to 2-1/2 inch aggregate without clogging the feed system.

The aggregate control system shall consist of an abrasion-resistant 3-1/2 inch ID schedule 40 pipe, ten feet long and connected to a flexible 3-1/2 inch ID non-kinking plastic wire-reinforced rubber neoprene-lined hose, at least 16 feet long and fitted with a vent flow nozzle. The nozzle shall be a perforated tube, 3-1/2 inches in diameter and at least 13 inches long, and shall contain a ½ inch by 1/16 inch spray slot for coating aggregate. The perforated holes shall relieve air pressure as the aggregate exits the nozzle, preventing coated aggregate repair material from being blown out of the area. The unit must not produce overspray of material and must keep the operator clean and free of oil and rock.

The system shall allow the operator to spray aggregate at any engine speed between 1200-1800 RPM. The aggregate feed system must be capable of immediately and automatically self-regulating itself to vary both the volume and velocity of aggregate being delivered. These changes must occur automatically, each time the operator adjusts the engine speed with no other input from the operator. The unit must be capable of dispensing aggregate at a rate up to 105 pounds per minute.

The flexible hose and vent flow nozzle shall be supported by a swing hose carrier. This device shall allow the operator to repair an area within at least a 16-foot radius from the pivot point where the boom is mounted to the trailer. The boom shall be adjustable to height and allow the operator to move through its full radius, using only very light force from one hand, and adjustable to height. Boom systems requiring springs, hydraulic cylinders or other mechanical assist devices are not acceptable.

A yellow strobe light shall be mounted at the top of a vertical pole located at the rear of the machine that automatically engages when the engine is running.
The swing support arm shall swing into a position parallel to the axis of the trailer where it shall be locked in place during travel and can be easily seen by the truck driver when transporting.

The carrier shall be equipped with a reversible handle bar control to allow the operator to control the hose and nozzle assembly without having to bear their weight. The handle bars must be flip-over or reversible and allow the operator to operate the boom controls from either side without compromise. The handle bar control shall include a ball valve to regulate emulsion flow and an electric toggle switch to open and close the air ram. The engine throttle will be mounted at the boom control station to allow the operator to vary the engine speed. A signal horn control button will also be located on the boom control station.

The blower shall be directly coupled to the flywheel of the engine and capable of producing 450 CFM at 7 PSI at 1,500 RPM using approximately 42 BHP. The unit shall be protected from overheating by a pop-off valve set at 10 PSI. The blower shall intake air from an accessible paper element filter of not less than 300 inches of filtration surface area covered by a foam pre-cleaner element.

The machine shall be powered by a water-cooled, naturally aspirated diesel engine with a rated gross power of 80 BHP. The engine must carry a factory warranty of at least two years.

The air compressor unit shall be a heavy-duty constructed unit, driven by the engine, and capable of delivering continuous pressure with a pop-off regulator set at between 70 PSI and 95 PSI and produce 12 CFM. No belt driven compressors will be considered.

The emulsion tank shall be an ASME-certified pressure vessel with at least 250 gallon capacity, with a 200 PSI working pressure at 500 degrees Fahrenheit. The tank shall be insulated by 2-inch weatherproof, fire-retardant fiberglass, equipped with (2) 1500 watt, 120-volt heater blankets, thermostatically controlled. The tank heating system must be capable of operating continuously regardless of whether the emulsion tank is empty or full with no damage to the heating elements or other components, and will allow an empty tank to be preheated. The tank shall be equipped with a pressure relief valve set between 100 PSI and 110 PSI. The unit must be capable of feeding the emulsion via a pressurized emulsion tank and be unaffected by cold weather. A pumping system or an emulsion system that recirculates the unused material back to the storage tank is not acceptable.

The emulsion clean-out tank shall be at least a ten gallon pressurized vessel with a 200 PSI working pressure at 450 degrees Fahrenheit, equipped with a pressure relief valve set at 100 PSI to 110 PSI. When in the open position, diesel fuel from the clean-out tank shall flow through the emulsion line to allow the system to be shut down without clogging. Disassembly and soaking of any part of the emulsion system will not be necessary.