

STAFF REPORTS

**CITY COUNCIL
May 27, 2003**

To: Mayor and City Council
From: George J. Rodericks, City Manager
Originated By: Warren W. Repke, City Engineer

SUBJECT: SLURRY SEALING OF VARIOUS STREETS (FY 2002-03)

BACKGROUND

As part of the annual street maintenance program City staff has assembled a list of streets for inclusion in the slurry seal contract for fiscal year 2002-03. These streets were selected with assistance from the new Pavement Management System as well as site reviews and area considerations. City staff will be presenting the complete results of the Pavement Management System at a future meeting.

FINDINGS

The proposed streets to be included in the contract are shown on the attached map.

After considerable evaluation, staff is proposing to use a Rubberized Emulsion - Aggregate slurry in place of conventional slurry in this year's contract. This product includes crumb rubber granulated from scrap tire rubber in the asphalt emulsion. Although slightly more expensive, this product has the following advantages:

- Extended life of the slurry.
- Higher resistance to fading. Maintains a black color for extended time.
- The rubberized emulsion provides a better moisture barrier as well as increased crack retardation abilities.
- Better bonding to the sand aggregate in the slurry creating increased resistance to tire turning marks.
- Increased skid resistance; and
- Diverts tires from landfills. For every mile of residential street, 250 old tires are used.

The product has been successfully used by the following local agencies:

- Orange County
- City of La Palma
- City of Buena Park
- City of Placentia
- City of San Clemente

Also included in the slurry contract will be re-striping of the school crosswalks.

The proposed schedule is as follows:

- Authorization to Advertise May 27, 2003
- Open Bids June 17, 2003
- Award Contract June 24, 2003
- Start Construction July 14, 2003
- End Construction August 11, 2003

FISCAL IMPACTS

Estimated costs for the project are \$230,000.00, including specification preparation, construction, construction management, inspection and testing. Sufficient funds are included in the 2002-03 Street Maintenance Budget.

RECOMMENDATION

The following is recommended:

1. Approve the plans and specifications and contract documents entitled, "Slurry Sealing of Various Streets (FY 2002-03)."
2. Authorize the City Engineer and City Clerk to advertise for construction bids.