

CITY COMMISSION AGENDA MEMO
May 20, 2008

FROM: Robert K. Ott, P.E., City Engineer

MEETING: June 3, 2008

**SUBJECT: Award a Contract for 2008 Street Maintenance Project
Phase III, Nova Chip Overlay ST0816)**

PRESENTER: Robert K. Ott, P.E., City Engineer

BACKGROUND

As part of the 2008 Street Maintenance Program, it is necessary to repair damaged joints on concrete panels along Kimball Avenue from Candlewood Shopping Center to Plymouth Road and 3rd Street from Thurston Street to US-24. The project will route and clean damaged joints, and seal the roadway to prevent moisture from re-entering the transverse joints. A bid letting was held on Friday, May 16, 2008.

Included with this memo are maps showing all the streets that we identified as requiring repairs this year. The maps have all the projects that are intended for the 2008 Street Maintenance Program. Traditionally, we bid projects first that are more susceptible to market adjustments such as oils used in asphalt. The remaining funds are used to define the scope of the remaining projects. This year we intend to have the following four phases:

- Phase I - The annual Street Maintenance Program involves rejuvenating existing pavements with a product known as Reclamite (awarded earlier).
- Phase II – Asphalt Mill and Overlay – Existing asphalt streets are milled approximately 2 inches, and then a new layer of asphalt is installed. For existing streets that are concrete, we simply place 2 inches of asphalt on top of the roadway.
- Phase III – Nova Chip Overlay – We recently used this product on Anderson Avenue from K-113 to Wreath Avenue. This product uses emulsified asphalt as a binder between the concrete and the 1 inch asphalt overlay. The binder is intended to seal the concrete surface from moisture penetration. Our intent is to use this on Kimball Avenue from the Candlewood Shopping entrance to the end of the concrete pavement west of Little Kitten Avenue, and on 3rd Street from Thurston to US-24 to address the continued spawling and opening of joints along these segments because of moisture entering the cracks.

- Phase IV – Concrete Panel Replacement – For streets that are existing concrete we have identified panels segments that are in need of total replacement. This requires that portions of the existing concrete pavement to be completely removed, new AB-3 base rock is installed under the concrete, and then new concrete is poured and tied with re-bar to the adjacent panels.

DISCUSSION

The City of Manhattan requested bids to complete its 2008 Street Maintenance Project, Phase III. Attached is a bid summary outlining the results of the May 16, 2008, bid letting. Shilling Construction Company Inc., of Manhattan, Kansas, was the only bidder with a bid of \$155,259.10.

The project was advertised by the City in the local newspaper, the Manhattan Mercury, and an out of town newspaper, the Topeka Capital Journal. It was also advertised on our online web service which multiple contractors are immediately notified when new projects are added and open for bidding. Contractors were provided with the opportunity to download our document book and contract documents for this project directly from the City Web Page.

There are a few reasons why only one bid was received.

- The second asphalt plant which was located within a reasonable distance to Manhattan that could provide the material has been sold to another company out of state and has closed. Ritchie Paving was the original owner of the plant and changed owners a few years ago before it went out of business last year.
- The amount of major KDOT and County Projects in this area this year is lower than normal. KDOT has completed some of its major modification projects to the State Highway System, and there is a limited number of projects that could potentially provide for an out-of-town contractor to set up a mobile asphalt plant in this area.
- There is a limit to the distance in which asphalt can be hauled from a plant to a job site for installment before it cools. With current gas and diesel prices, the distance to move materials will play an even more critical factor in how projects are bid throughout the country.

FINANCING

Adequate funds are available in the Special Streets and Highway Fund for this project.

ALTERNATIVES

It appears the Commission has the following alternatives concerning the issue at hand. The Commission may:

1. Award a contract to Shilling Construction Company, Inc., of Manhattan, Kansas, for the 2008 Street Maintenance Project Phase III, Nova Chip Overlay (ST0816), in the amount of \$155,259.10.
2. Deny the award to Shilling Construction Company, Inc., of Manhattan, Kansas.
3. Modify to meet the needs of the Commission.
4. Table the request.

RECOMMENDATION

City Administration recommends the City Commission accept the submitted bid and award a contract to Shilling Construction Company, Inc., of Manhattan, Kansas, in the amount of \$155,259.10.

POSSIBLE MOTION

Accept the bid in the amount of \$155,259.10 and award a contract to Shilling Construction Company, Inc., of Manhattan, Kansas, in the amount of \$155,259.10 for the 2008 Street Maintenance Project Phase III, Nova Chip Overlay (ST0816).

RO/ie/08073

Enclosures:

1. Bid summary
2. Maps

CITY OF MANHATTAN/PUBLIC WORKS
1101 POYNTZ AVENUE
MANHATTAN, KS 66502



BID SUMMARY

2008 Street Maintenance Project Phase III
Asphalt Overlay ~ Nova Chip
Project No. ST0815

BIDDER	NET BID
Schilling Construction 555 Poyntz Avenue Manhattan, KS 66502-0127	\$155,259.10 *

(*) Recommend Award of Contract

Kimball Ave - Nova Chip



3rd St - Nova Chip



Tuttle Creek Blvd

4th St

McCall Rd

Kearney St

3rd St

