TO: Mayor and City Council

FROM: Public Works Department

SUBJECT: RESOLUTION: 2004 STREET CAPE-SEAL PROJECT
(PROJECT NO. 04-13)

RECOMMENDATION

It is recommended that a resolution be adopted approving plans and specifications and awarding a contract in the amount of $576,950 to Graham Contractors, Inc., for the above project.

DISCUSSION

As reported in The Week That Was on June 11, 2004, the City's pavement management strategy has yielded significant improvement in the overall condition of the street network since 2000. This improvement has been achieved by a combination of pavement overlay, microsurfacing, and cape seal treatments.

Cape-seal is a two-layer treatment consisting of a microsurfacing application over a chip-seal. A chip-seal is a layer of asphalt emulsion applied to the road surface, followed by spreading of uniform size aggregate (chips). This mixture is then rolled and swept clean. The asphalt emulsion fills most of the cracks and, in combination with the chips, provides a protective surface which extends the life of the pavement. This treatment has proven to be very effective in improving the service life of poor condition streets. Microsurfacing is a cold-mixed asphalt concrete, consisting of a graded aggregate, binder and additives. It is a hard wearing surfacing for pavement preservation and rehabilitation. Application of microsurfacing results in a smooth but textured surface which protects, preserves, and extends pavement life.

Many of the traditional preventative maintenance treatments such as an overlay, or microsurfacing alone, are intended to be applied on the streets after base failure repairs are completed. In some locations, either due to the high amount of pavement cracking and/or a high crown on the street, neither of these traditional treatments is practical. While these problems could be addressed by a complete reconstruction, this process is both disruptive and expensive. During 2003, Public Works staff undertook a detailed investigation of alternative rehabilitation strategies for improvement of reconstruction streets and to decrease the cost of improvements to keep poor condition streets from deteriorating into the reconstruction category. This project-level analysis led to the trial use of a cape-seal treatment in 2003, with the expectation that cape-seal treatment could provide an immediate and moderate length improvement in the quality of the pavement surface without the high cost of an overlay or reconstruction.

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The emulsion used in the chip-seal first layer is usually either rubberized asphalt or polymer modified asphalt for improved stability and durability. In the 2003 trials, rubberized asphalt chip-seal was applied to Barrymore Street, Pennington Court, Hazelwood Avenue, and Long Barn Way. A polymer-modified asphalt surface sealer (PASS) chip-seal was applied to Stanislaus Street between Lafayette Street and Hazelton Avenue. Both chip-seals were then microsurfaced. These treatments have performed very well.

The PASS product is less expensive than the rubberized material and easier to apply; therefore, staff proposed an expanded cape-seal program for 2004. About 11 miles of streets, mostly in the mid-town area, are scheduled for this treatment (see attached map).

Present Situation

On Thursday, June 3, 2004, bids were received on the above project with the following results:

Graham Contractors, San Jose, CA ........................................... $576,950
California Pavement Maintenance, Sacramento, CA ..................... $596,150
Intermountain Slurry Seal Inc., Loomis, CA .......................... $658,750
Valley Slurry Seal, West Sacramento, CA .............................. $709,000

Engineer's Estimate ............................................................. $570,000

The bid submitted by Graham Contractors is regular in all respects and meets the City's specifications. They have the proper license for this work. The construction is projected to be completed by early September.

FINANCIAL SUMMARY

The unencumbered balance in 399-9928-640, the multi-funded Street Resurfacing Project, on June 7, 2004, was $3,192,786 and is sufficient to award the contract.

PREPARED BY: Vijay Sinha

Respectfully submitted,

GORDON A. MACKAY
DEPUTY PUBLIC WORKS DIRECTOR/O & M

APPROVED BY:

MARK LEWIS, CITY MANAGER
Resolution No. 052

STOCKTON CITY COUNCIL

RESOLUTION AWARDING A CONSTRUCTION CONTRACT TO GRAHAM CONTRACTORS, INC., A CORPORATION, IN THE AMOUNT OF $576,950 FOR THE 2004 STREET CAPE-SEAL PROJECT (PROJECT NO. 04-13), AND TO TAKE THE NECESSARY ACTIONS TO APPROPRIATE FUNDS

WHEREAS, the City Clerk of the City of Stockton did, on May 27, 2004, open, examine and publicly declare the sealed proposals or bids offered for the 2004 STREET CAPE-SEAL PROJECT (PROJECT NO. 04-13); now, therefore,

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF STOCKTON, AS FOLLOWS:

1. That the plans and/or specifications and all letters of clarification contained in the bid for the 2004 STREET CAPE-SEAL PROJECT (PROJECT NO. 04-13), are incorporated herein by reference and are hereby approved and adopted.

2. That all of said bids except that next herein mentioned are hereby rejected.

3. That said work is hereby authorized and the contract awarded to the lowest and best regular responsible bidder, to wit: GRAHAM CONTRACTORS, INC., a corporation, for the sum of $576,950.

4. That the City Manager of the City of Stockton is hereby authorized and directed to execute a contract on behalf of the City of Stockton with said GRAHAM CONTRACTORS, INC., a corporation, in accordance with the plans and/or specifications and all letters of clarification, for such work hereinabove adopted by the City Council.

5. That the City Clerk is hereby authorized to return to each of the unsuccessful bidders, the bidder's bonds, certified checks and cashier's checks which accompanied their respective bids for the above-mentioned work.

6. That the City Manager is hereby authorized and directed to appropriate/transfer funds.
7. That the City Manager is hereby authorized and directed to take all actions necessary to carry out the purpose and intent of this resolution.

PASSED, APPROVED and ADOPTED ___________________________.

ATTEST:

GARY A. PODESTO, Mayor
of the City of Stockton

KATHERINE GONG MEISSNER
City Clerk of the City of Stockton