



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Adopt Resolution Awarding Contract to HDR, Inc., of Folsom, for Surface Water Treatment Facility Conceptual Design and Feasibility Evaluation for Water Supply and Transmission System (\$400,000) and Authorizing the City Manager to Execute the Contract

MEETING DATE: April 4, 2007

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt a resolution awarding a contract to HDR, Inc., of Folsom, for surface water treatment facility conceptual design and feasibility evaluation for water supply and transmission system and authorizing the City Manager to execute the contract.

BACKGROUND INFORMATION: At the December 20, 2006 City Council meeting, staff was directed to solicit proposals from the previously selected group of three water consulting firms. Two of these consulting firms joined forces, and, as a result, two proposals were submitted.

The following subject areas were required elements of the proposals:

1. Watershed Assessment - What user and uses in the Mokelumne River water shed could affect the quality of the water at Lodi thereby influencing the treatment needs?
2. Alternative Site Evaluations - A maximum of four sites will be considered and direction from the City Council will be sought early in the program.
3. Conceptual Design Criteria - Limiting the facility alternatives to conventional and membrane technology, what will be the facility design criteria required to meet State and Federal drinking water quality standards?
4. Capital and Annual Operating Cost Estimates - An important part of comparing the alternatives will be understanding the capital costs as well as the operation and maintenance costs including personnel.
5. Phased Capacity - What are the opportunities and constraints to phasing the capital construction?
6. Life Cycle Costs - Allows the comparison of alternatives that are capital intensive but operationally inexpensive to those that are capital light but operationally expensive.
7. Financing Alternatives - Provides an analysis of the interdependence of capital costs and phasing, operations and maintenance costs and the impact on the rates, and the revenue stream resulting from new development to determine the timing and feasibility of constructing a new water treatment facility.
8. Impacts of Incorporation into the Existing System - Determines the impact upon the City's existing water supply system and identifies required modifications to existing facilities, operations and personnel.
9. Environmental Considerations - Provides a screen check of potential environmental fatal flaws.

APPROVED: _____
Blair King, City Manager

The firm of HDR, Inc., of Folsom, California, teamed with West Yost & Associates and was selected by the Public Works Staff to perform the work described above. HDR's proposal was the most responsive and the firm has recent experience on similar projects of similar size. Although the recommendation was not based upon the cost proposal, the HDR cost proposal of \$400,000 was the lower of the two received. The expected cost for this phase of the Water Project is estimated to be \$600,000 including City staff costs and contingencies, thereby allowing the project appropriation to be reduced by \$150,000 in the FY 06/07 Budget.

Funding for the project is provided by the Water Impact Fee fund, and during the course of this phase of the Water Project, a Water Capacity Impact Fee will be established. This impact fee would cover the costs for preliminary engineering, design engineering and construction of the facilities.

FISCAL IMPACT: Advance funding from the Water Impact Fee fund would be reimbursed by future fees paid by new development.

FUNDING AVAILABLE: Water Impact Fee fund

Kirk Evans, Budget Manager

Richard C. Prima, Jr.
Public Works Director

Prepared by F. Wally Sandelin, City Engineer/Deputy Public Works Director

RCP/FWS/pmf

RESOLUTION NO. _____

RESOLUTION OF THE LODI CITY COUNCIL AWARDING CONTRACT FOR SURFACE WATER TREATMENT FACILITY CONCEPTUAL DESIGN AND FEASIBILITY EVALUATION FOR WATER SUPPLY AND TRANSMISSION SYSTEM, AND FURTHER AUTHORIZING THE CITY MANAGER TO EXECUTE THE CONTRACT

WHEREAS, at the December 20, 2006 City Council meeting, staff was directed to solicit proposals for Surface Water Treatment Facility Conceptual Design and Feasibility Evaluation for Water Supply and Transmission System from a previously selected group of three water consulting firms; and

WHEREAS, two of the consulting firms joined forces and as a result two proposals were submitted; and

WHEREAS, the following is a list of the subject areas that were required elements of the proposals:

1. Watershed Assessment - What user and uses in the Mokelumne River water shed could affect the quality of the water at Lodi thereby influencing the treatment needs?
2. Alternative Site Evaluations - A maximum of four sites will be considered and direction from the City Council will be sought early in the program.
3. Conceptual Design Criteria - Limiting the facility alternatives to conventional and membrane technology, what will be the facility design criteria required to meet State and Federal drinking water quality standards?
4. Capital and Annual Operating Cost Estimates - An important part of comparing the alternatives will be understanding the capital costs as well as the operation and maintenance costs including personnel.
5. Phased Capacity - What are the opportunities and constraints to phasing the capital construction?
6. Life Cycle Costs - Allows the comparison of alternatives that are capital intensive but operationally inexpensive to those that are capital light but operationally expensive.
7. Financing Alternatives - Provides an analysis of the interdependence of capital costs and phasing, operations and maintenance costs and the impact on the rates, and the revenue stream resulting from new development to determine the timing and feasibility of constructing a new water treatment facility.
8. Impacts of Incorporation into the Existing System - Determines the impact upon the City's existing water supply system and identifies required modifications to existing facilities, operations and personnel.
9. Environmental Considerations - Provides a screen check of potential environmental fatal flaws.

WHEREAS, the firm of HDR, Inc., of Folsom, California teamed with West Yost & Associates and is recommended by staff to perform the work described above at a cost of

\$400,000. HDR's proposal was the most responsive and the firm has recent experience on similar projects of similar size.

NOW, THEREFORE, BE IT RESOLVED, that the contract for Surface Water Treatment Facility Conceptual Design and Feasibility Evaluation for Water Supply and Transmission System is hereby awarded to HDR, Inc., of Folsom in conjunction with West Yost & Associates in the amount of \$400,000; and

WHEREAS, BE IT FURTHER RESOLVED, that the City Manager is hereby authorized and directed to execute the contract on behalf of the City of Lodi.

Dated: April 4, 2007

=====

I hereby certify that Resolution No. 2007-_____ was passed and adopted by the City Council of the City of Lodi in a regular meeting held April 4, 2007, by the following vote:

AYES: COUNCIL MEMBERS –
NOES: COUNCIL MEMBERS –
ABSENT: COUNCIL MEMBERS –
ABSTAIN: COUNCIL MEMBERS –

RANDI JOHL
City Clerk

2007-_____