



Staff Report

RESOLUTION APPROVING PLANS AND SPECIFICATIONS, AUTHORIZING ADVERTISEMENT FOR SEALED BIDS, APPROVING AWARD OF CONTRACT TO THE LOWEST RESPONSIBLE BIDDER FOR AN AMOUNT NOT TO EXCEED \$900,000, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$90,000, AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR THE 2009 STORM IMPROVEMENT PROJECT, CITY CONTRACT NUMBER 501, IN THE SKYMONT, PLATEAU, CIPRIANI, COUNTRY CLUB, CENTRAL, CHULA VISTA AND HALLMARK NEIGHBORHOODS

Honorable Mayor and Council Members:

Summary

The Department of Public Works staff requests the City Council to authorize advertisement and award of the 2009 Storm Improvement Project, City Contract Number 501. The engineer's estimate for the base bid of this project is \$900,000.

Background

On April 14, 2009, the Council authorized the execution of a Professional Services Agreement (PSA) with Schaaf & Wheeler for the design of the 2009 Storm Drain Improvement Project, City Contract Number 501. The project is to replace deteriorating storm drain lines within the City to correct the problems that can impact the sewer systems and the roadways, and thus reduce the attribute to the infiltration and inflow (I/I) problems for sewer lines

As identified in the City's Storm Master Plan, rusted corrugated metal storm drains develop holes that allow flow to infiltrate to the ground. This water either percolates to groundwater or infiltrates into the sewer lines through cracks and defects in the pipes, manholes and service laterals. A portion of the runoff will flow along the pipes and wash away adjacent soil. If not repaired, the soil supporting the roadway will fail, leading to failure of the pavement section, ultimately destabilizing the sewer and storm pipes. In areas without storm drain systems, runoff is conveyed through the gutters and within the street pavement section. This runoff leaches oil from the asphalt, causing unraveling of the asphalt and cracks. Where cracking occurs, runoff has a pathway to enter the roadway base, which increases the potential for sewer infiltration.

Corrugated metal pipes (CMP) improvements are necessary to replace aging (CMP) that otherwise have adequate flow capacity. Slip-lining a thin walled high density polyethylene (HDPE) line into the pipe and grouting the annular space between the HDPE and the aging CMP

is recommended for lines 15-inch and larger.

Discussion

The Public Works Department has completed the design for the 2009 Storm Improvement Project. The project will include slip-lining work in the Skymont, Plateau, Cipriani, Country Club, Central, Chula Vista and Hallmark Neighborhoods. The total estimated base bid is \$900,000. Staff has also added another \$300,000 of slip-lining work as bid alternates for this project. Because of the current bidding environment, the City has recently received several bids for other projects that are substantially lower than the engineer's estimates. If the bids for this storm drain project come in lower than estimated, the bid alternates will be awarded as long as the total contract award does not exceed \$900,000.

The slip-lining work is mainly in residential area and some of them are in easement areas next to buildings. Past experience with the sewer slip-lining projects do not indicate any needs to extend the construction work hours if there are no night works involved.

General Plan/Vision Statement

The 2009 Storm Drain Project, City Contract Number 501 work is consistent with the General Plan Public Facilities and Services Goals Section (Paragraph 2041), which states: "To provide public services at a level adequate to ensure public safety, health and welfare at the lowest possible cost; to establish and maintain all essential public services and facilities in a manner that ensures continued operation in time of emergency."

Fiscal Impact

The engineer's estimated cost for City Contract Number 501 is \$900,000 and will be funded by Account 525-3-730-6051-9030. An additional 10% contingency shall be allocated from this account.

Public Contact

Publication and posting of City Council agenda.

Recommendation

It is recommended that the City Council approve plans and specifications, authorizing advertisement for sealed bids, approving award of contract to the lowest responsible bidder for an amount not to exceed \$900,000, approving a construction contingency not to exceed \$90,000 and authorizing the City Manager to execute contract for the 2009 Storm Improvement Project, City Contract Number 501.

Alternatives

1. Take no action.
2. Refer back to staff for further information.

Attachments

A. Resolution

Respectfully submitted,

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Senior Civil Engineer

Karen Borrmann, PE
Interim Director of Public Works

Jack R. Crist
City Manager

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RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELMONT APPROVING PLANS AND SPECIFICATIONS, AUTHORIZING ADVERTISEMENT FOR SEALED BIDS, APPROVING AWARD OF CONTRACT TO THE LOWEST RESPONSIBLE BIDDER FOR AN AMOUNT NOT TO EXCEED \$900,000, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$90,000, AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR THE 2009 STORM IMPROVEMENT PROJECT - CITY CONTRACT NUMBER 501, IN THE SKYMONT, PLATEAU, CIPRIANI, COUNTRY CLUB, CENTRAL, CHULA VISTA AND HALLMARK NEIGHBORHOODS

WHEREAS, staff has completed the design of the 2009 Storm Improvement Project; and,

WHEREAS, rusted corrugated metal storm drains develop holes that allow flow to infiltrate the sewer lines through cracks and defects in the pipes, manholes and service laterals; and,

WHEREAS, deteriorating storm drain lines within the City should be replaced to correct the problems that can impact the sewer systems and the roadways; and,

WHEREAS, revenue from the sewer bond can be used to fund the storm drainage system because storm drainage facilities reduce the inflow and infiltration of runoff into the sewer systems; and,

WHEREAS, the proposed storm drain project will repair and upgrade existing corrugated metal pipes as identified in the Belmont Storm Drain Master Plan and reduce the infiltration problem; and,

WHEREAS, the storm drain Capital Improvement Project funds have been budgeted in Fiscal Year 2009 for this project.

NOW, THEREFORE, BE IT RESOLVED:

1. City Council approves City Contract Number 501 plans and specifications.
2. City Council authorizes advertisement for sealed bids for this work.
3. City Council approves award of contract to the lowest responsible bidder for an amount not to exceed \$900,000, and approves a ten percent construction contingency not to exceed \$90,000.
4. City Council authorizes the City Manager to execute a contract to the lowest responsible bidder.
5. Funding shall be from the FY 2009 budget, project account 525-3-730-6051-9030.

* * * * *

I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the City of Belmont at a regular meeting thereof held on June 23, 2009 by the following vote:

AYES, COUNCILMEMBERS: _____

NOES, COUNCILMEMBERS: _____

ABSTAIN, COUNCILMEMBERS: _____

ABSENT, COUNCILMEMBERS: _____

CLERK of the City of Belmont

APPROVED:

MAYOR of the City of Belmont