



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 \$60,000, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$6,000 AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR THE NORTH ROAD PUMP STATION GENERATOR INSTALLATION PROJECT, CITY CONTRACT NUMBER 497

Honorable Mayor and Council Members:

Summary

The Department of Public Works staff requests City Council's approval for City Contract Number 497, North Road Pump Station Generator Installation Project plans and specifications, and the authorization to advertise this project for bid. Staff also requests approval of a construction contingency equal to ten percent of the contract award.

Background

The North Road Pump Station is the second largest pump station in the City and is located near the corner with El Camino Real. North Road Pump Station has undergone major rehabilitation in 2002 and is not equipped with a standby generator to provide uninterrupted power during power outages. Island Park, San Juan and Haskins Pump Stations are already equipped with the stationary emergency generators.

The State and Regional Water Quality Control Boards recently required every City to develop and implement a Sanitary Sewer Overflow Emergency Plan. As part of this plan, each municipal agency will take the necessary steps to reduce the likelihood of sanitary sewer overflows. By insuring that the North Road Pump Station has an uninterruptible power source, the City will greatly reduce the risk of a sanitary sewer overflow occurring at the pump station.

The North Road Pump Station has experienced several power supply problems during the summer and winter seasons. In the past, the Public Works Maintenance staff prevented the pump station from overflowing into the street, which would result in numerous fines from the State Water Board, Regional Water Quality Control Board and Caltrans.

Discussion

City staff in conjunction with the electrical engineering consultant developed specifications for a new generator that will operate the North Road Pump Station during a power outage. City staff would like to use the same brand of equipment, Kohler/Collicutt that was used for both the San Juan and Haskins Pump Station Generators. Kohler/Collicutt has been selected as a sole source vendor for easy maintenance and repair. City staff will purchase the generator, which costs 79,747.50. This generator will be operating only during emergency conditions, with the exception of monthly maintenance generator tests during the day.

The proposed generator at the North Road Pump Station will be equipped with a standard sound attenuated enclosure reducing the noise levels to 75dBA at 23 feet. The reason for the standard sound enclosure instead of the custom-made sound enclosure is that the noise levels on North Road and El Camino Real do not comply with Belmont noise ordinance due to heavy traffic, trains and buses. A custom-made sound attenuation enclosure will bring the noise level to 65dBA during daytime. Noise from El Camino Real being at 80 dBA and higher due to heavy traffic, buses and trains does not warrant additional spending of the sewer funds on the sound attenuating enclosure.

The generator to be installed is diesel powered and meets both the EPA (Environmental Protection Agency) and CARB (California Air Resources Board) PM (particulate matter) emission standards. Staff also looked at other fuel sources for the emergency generator such as natural gas and propane. Natural gas would be piped into the generator and in the event of an earthquake this line could break and cause the fuel supply to be interrupted. This interruption of fuel delivery would prevent the generator from running. Propane fuel requires a large tank to provide an adequate fuel reserve. This large tank increases the overall cost of the generator, increases the overall size of the pump station and increases the risk of fire and/or explosion. In addition, both natural gas and propane fueled generators produce more NO_x (oxides of nitrogen) and CO (carbon monoxide) emissions than the new emission compliant diesel engines.

The generator will be ordered by the City to eliminate surcharges. The contractor will be responsible to unload and install the generator. City staff will obtain the necessary permits for the generator installation from the Bay Area Air Quality Management District.

General Plan/Vision Statement

This project is consistent with the General Plan General Community Goals and Policies section (Paragraph 1015), which states “To provide public services efficiently and at a level adequate to serve an ultimate population of about 28,000” and 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 497, the North Road Pump Station Generator Installation Project is \$60,000. Funding will be obtained from the CIP FY 2008/09 Budget, Account Number 503-4326-7023-9030. Another \$6,000 will be reserved as a ten percent construction contingency to address unforeseen conditions that would prevent contract completion.

Public Contact

Publication and posting of City Council agenda.

Recommendation

It is recommended that the City Council approve City Contract Number 497 – North Road Pump Station Generator Installation Project contract plans and specifications. It is further recommended that the City Council authorize advertising for sealed bids from qualified construction contractors and approve award of contract to the lowest responsible bidder for an amount not to exceed \$60,000. Staff also recommends approval of a construction contingency equal to ten percent of the contract award and to authorize the City Manager to execute a contract with the lowest responsible bidder.

Alternatives

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

Attachments

- A. Resolution

Respectfully submitted,

Bozhena Palatnik, PE
Associate Civil Engineer

Raymond E. Davis III, PE, PTOE
Director of Public Works

Jack R. Crist
City Manager

Staff Contact:

Raymond E. Davis
Director of Public Works
Phone: (650) 595-7459
rdavis@belmont.gov

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 \$60,000, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$6,000 AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR THE NORTH ROAD PUMP STATION GENERATOR INSTALLATION PROJECT, CITY CONTRACT NUMBER 497

WHEREAS, as part of a Citywide program and to comply with requirements from the State Water Board and Regional Water Quality Control Board to reduce occurrences of sanitary sewer overflow, the City will install an emergency standby generator at North Road Pump Station to insure that pump station has an uninterruptible power source; and,

WHEREAS, the Department of Public Works in conjunction with design consultants has prepared plans and specifications for this work; and,

WHEREAS, the Sewer Enterprise Fund has been budgeted in FY 08/09 for this project.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Belmont:

1. Approves the North Road Pump Station Generator Installation Project City Contract Number 497, plans and specifications.
2. Authorizes advertisement for sealed bids for this work.
3. Approves award of contract to the lowest responsible bidder for an amount not to exceed \$60,000, and approves a construction contingency not to exceed \$6,000.
4. Authorizes the City Manager to execute a contract to the lowest responsible bidder.
5. Authorizes funding from the FY2008/09 budget, project account 503-4326-7023-9030.

* * * * *

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 October 28, 2008 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