



## **Staff Report**

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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 \$217,750, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$21,775, AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR RALSTON AVENUE TRAFFIC SIGNAL INTERCONNECT UPGRADE, CITY CONTRACT NUMBER 446

Honorable Mayor and Council Members:

### **Summary**

Council is requested to approve advertisement and award of a construction contract for City Contract Number 446 to install closed circuit television (CCTV) cameras at the Ralston/Hiller Street, Ralston/Old County Road, Ralston/El Camino Real, and Ralston/6<sup>th</sup> Avenue intersections; install left turn signals at the Ralston/6<sup>th</sup> intersection; and to upgrade the traffic signal interconnect hardware and software at the traffic operations center to improve traffic response and adapt signal timing.

### **Background**

Concerns had been expressed as to whether or not traffic was flowing in an efficient and effective manner on Ralston Avenue between 6th Avenue and US 101. City staff identified a project that would interconnect the traffic signals along Ralston Avenue between 6th Avenue and US 101 with fiber optic cable, install closed circuit television cameras to monitor traffic, and install left turn phasing on Ralston Avenue and Sixth Avenue. The cameras will also be tied into the new Police Dispatch Center and will enable police staff to monitor traffic conditions and any special crime situations that may arise within the line of sight of the cameras.

City Council authorized the Public Works Director to apply for \$132,750 of Congestion Management and Air Quality (CMAQ) grant funds in February, 2000 for traffic signal improvements and CCTV cameras along Ralston Avenue and to install left turn phasing at the intersection of Ralston Avenue and Sixth Avenue and authorized \$30,000 of local matching funds from Measure A.

The City of Belmont received the CMAQ grant and the project was originally programmed for design in 2002 and construction in 2003. A consultant was retained to design the improvements. After repeated delays by the consultant, a plan was presented to staff. The plans submitted by the consultant were not buildable and did not meet the City's requirements. Public Works terminated the contract with the consultant and retained the services of another consultant to complete the design.

### **Discussion**

Staff's design consultant completed the plans and specifications. The project will install one CCTV camera each at the Ralston/Hiller, Ralston/Old County, Ralston/El Camino, and Ralston/6<sup>th</sup> intersections. The project will also install left turn signals on the west and eastbound approach to the Ralston/6<sup>th</sup> intersection.

The CCTV cameras will be mounted on new 30-foot high poles at Ralston/Hiller and Ralston/El Camino and on existing and new traffic signal poles at Ralston/Old County and Ralston/6<sup>th</sup> respectively.

The new video monitor and video control keypad is located in the police dispatch room on the ground floor of City Hall with an additional monitor and keypad located in the Public Works Department on the 3<sup>rd</sup> floor of City Hall.

The original engineering estimate prepared for the grant application in 2000 was \$132,750 plus the \$30,000 matching funds for a total project cost of \$162,750. The revised cost estimate is \$217,750. Additional funding comes from Measure A fund account 234-4312-3082-5120.

### **Fiscal Impact**

The engineer's estimate for the construction contract work is \$217,750. Staff also requests a 10 percent construction contingency up to \$21,775. Funding for this work will be obtained from FY 2006 account 234-4312-3082-9030.

### **Public Contact**

City Council authorized staff to apply (Resolution 8686) for \$132,750 of CMAQ funds on February 8, 2000. The project has been programmed in the CIP budget since 2002. In addition, the standard publication and posting of City Council agenda has been done.

### **Recommendation**

Staff recommends that the City Council take the following actions for City Contract Number 446, the Ralston Avenue Traffic Signal Interconnect Upgrade:

1. Approve the construction plans and specifications,
2. Authorize advertisement for sealed bids from qualified construction contractors,
3. Approve award of contract to the lowest responsible bidder for an amount not to exceed \$217,750,

4. Approve a construction contingency equal to 10 percent of the contract price, and
5. Authorize the City Manager to execute a contract with the lowest responsible bidder.

**Alternatives**

1. Refer back to staff for further information.
2. Deny the request

**Attachments**

- A. Resolution

Respectfully submitted,

Bennett Chun, P.E.  
Associate Engineer

Raymond E. Davis, III  
Director of Public Works

Daniel Rich  
Interim City Manager

**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 \$217,750, APPROVING A CONSTRUCTION CONTINGENCY NOT TO EXCEED \$21,775, AND AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT FOR RALSTON AVENUE TRAFFIC SIGNAL INTERCONNECT UPGRADE, CITY CONTRACT NUMBER 446**

WHEREAS, the Department of Public Works has prepared plans and specifications for the Ralston Avenue traffic signal interconnect upgrade; and,

WHEREAS, the Congestion Mitigation and Air Quality Funds have been budgeted in Fiscal Year 2006 for this project.

NOW, THEREFORE, BE IT RESOLVED:

1. The City Council approves City Contract Number 446 plans and specifications.
2. The City Council authorizes advertisement for sealed bids for this work.
3. The City Council approves award of contract to the lowest responsible bidder for an amount not to exceed \$217,750.
4. The City Council approves a construction contingency to be administered by the City Manager for an amount equal to 10 percent of the construction contract.
5. The City Council authorizes the City Manager to execute a contract with the lowest responsible bidder.
6. Funding shall be from the FY 2006 budget, project account 234-4312-3082-9030.

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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 May 24, 2005.

AYES, COUNCILMEMBER(S): \_\_\_\_\_

NOES, COUNCILMEMBER(S): \_\_\_\_\_

ABSTAIN, COUNCILMEMBER(S) \_\_\_\_\_

ABSENT, COUNCILMEMBER(S): \_\_\_\_\_

\_\_\_\_\_  
City Clerk of the City of Belmont

APPROVED:

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Mayor of the City of Belmont