



## **Staff Report**

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RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE TWO CONTRACT CHANGE ORDERS IN A TOTAL AMOUNT NOT TO EXCEED \$140,000 FOR INSTALLING ADDITIONAL CONDUITS FOR THE CHULA VISTA STREETLIGHT REPLACEMENT PROJECT, CITY CONTRACT NUMBER 469

Honorable Mayor and Council Members:

### **Summary**

Staff requests City Council's approval for two change orders in a total amount not to exceed \$140,000 for installing additional conduits for the Chula Vista Street Light Replacement Project, City Contract Number 469.

### **Background**

In August 2007, the City Council approved award of contract to the lowest responsible bidder not to exceed an amount of \$180,000 with a 10% contingency for the Chula Vista Street Light Replacement Project. The project was awarded to Columbia Electric with an amount of \$119,400 which is substantially lower than the engineer's estimate. The bid results are summarized as follow:

Columbia Electric	\$119,400
Tennyson Electric	\$147,425
Trinet Construction	\$248,000

The project involves 31 street lights in the vicinity of Chula Vista Drive. This system is outdated and is dangerous to service. A portion of this electrical system is wired in a series which requires it to be upgraded to a new parallel wired system. The project schedule is to construct the work in two phases. The first phase includes 13 street lights east of Chula Vista Drive near Charles Armstrong Elementary School. The second phase includes 18 street lights on El Verano Way, Fernwood Way, and Valdez Avenue. The separation of the project into two phases reduces the number of street lights that will be disconnected at one time in the same neighborhood.

### **Discussion**

During the design phase, staff inspected sample conduits to assess condition of the existing pipes. The existing lighting systems are 5KV lines with substantially over-sized cables in 2" conduits which do not allow access of a video camera. The condition of the pipes cannot be fully known until the electrical system is disconnected and with all the wiring removed during the construction phase. The design plan is to reuse all the existing conduits to reduce the

construction cost. A construction contingency is reserved for installing additional trenches if existing conduits are found not to be reusable or to address other construction changes.

The contractor is currently working on phase one of the project. After many unsuccessful attempts to remove the cables from the conduits, it was found that approximately half of the system with 1400 linear feet of conduits has to be replaced in phase one because of their poor condition. The total estimated cost for the additional work of this phase is \$50,000. (The street lights in phase one need to be reconnected promptly since part of the neighborhood has no street lights after the circuit was disconnected).

Staff estimates about 2600' of new trenching and conduits will be required for the second phase of this project. The exact quantity will be known after the cables are removed from the conduits. The estimated cost for the additional conduits in the second phase is \$90,000.

**General Plan/Vision Statement**

Staff has reviewed the General Plan and concluded that the following goals are relevant to the request:

- *Public Facilities and Services Goal 3. To provide public services at a level adequate to ensure public safety, health and welfare at the lowest possible cost.*
- *Public Facilities and Services Goal 4. 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 the additional conduits is \$140,000. Funding shall be from the Street Improvement Funds 234-4312-3204-9030 and 234-4312-3100-9030. The project costs and funding sources are summarized as follow:

<u>Description</u>	<u>Amount</u>	<u>Contingency</u>	<u>Subtotal</u>
Original Contract	\$119,400	\$11,940	\$131,340
Phase One Conduits	\$ 50,000		\$ 50,000
Phase Two Conduits	\$ 90,000		\$ 90,000
Total			\$271,340

<u>Description</u>	<u>Acct. 234-4312-3204</u>	<u>Acct. 234-4312-3100</u>	<u>Subtotal</u>
Original Contract	\$131,340		\$131,340
Phase One Conduits	\$ 24,000	\$26,000	\$ 50,000
Phase Two Conduits	\$ 44,000	\$46,000	\$ 90,000
Total	\$199,340	\$72,000	\$271,340

**Public Contact**

Public contact consisted of posting the City Council agenda.

**Recommendation**

Staff recommends that the City Council authorize the City Manager to execute two change orders not to exceed a total amount of \$140,000 for installing additional conduits for the Chula Vista Street Light Replacement Project, City Contract Number 469.

**Alternatives**

1. Take no action.
2. Refer back to staff for further information or other options.
3. Deny the request. Complete phase one project with the approved budget and delay the second phase until sufficient funding is available.

**Attachments**

- A. Resolution

Respectfully submitted,

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Gilbert Yau, PE  
Senior Civil Engineer

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

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Jack R. Crist  
City Manager

Staff Contact:  
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RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELMONT  
AUTHORIZING THE CITY MANAGER TO EXECUTE TWO CONTRACT CHANGE  
ORDERS IN A TOTAL AMOUNT NOT TO EXCEED \$140,000 FOR INSTALLING  
ADDITIONAL CONDUITS FOR THE CHULA VISTA STREETLIGHT  
REPLACEMENT PROJECT, CITY CONTRACT NUMBER 469**

**WHEREAS**, the City of Belmont is maintaining 31 streetlights installed in the late 1950s in the vicinity of Chula Vista Drive; and,

**WHEREAS**, the streetlights are outdated and replacement parts are difficult to find or no longer available; and,

**WHEREAS**, the City awarded a contract to Columbia Electric for the Chula Vista Streetlight Project in October 2007 for an amount of \$119,400; and,

**WHEREAS**, new conduits have to be installed to reconnect the streetlights because of the poor condition of the existing conduits; and,

**WHEREAS**, the estimated cost for installing these new conduits is \$140,000; and,

**WHEREAS**, the Street Improvement Fund 234-4312-3204-9030 and 234-4312-3100-9030 have sufficient budget for the additional work.

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Belmont authorize the City Manager to execute two change orders not to exceed a total amount of \$140,000 for installing additional conduits for the Chula Vista Street Light Replacement Project, City Contract Number 469.

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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 September 9, 2008.

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

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

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

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

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

APPROVED:

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Mayor of the City of Belmont