



County Executive Office  
Memorandum

542E

August 15, 2008

To: Supervisor John Moorlach, Chairman  
From: Thomas G. Mauk, County Executive Officer  
Subject: Exception to the Rule 21

The County Executive Office is requesting a supplemental for the August 19, 2008 Board Hearing Meeting.

Agency: County Executive Office  
Subject: Fiber Optical Conduit  
District: All

Reason for supplemental: To Meet Construction Schedule

Concur:

  
Supervisor John Moorlach,  
Chairman Board of Supervisors

cos

cc: Members, Board of Supervisors  
Rob Richardson, Assistant County Executive Officer  
Ben De Mayo, County Counsel

RECEIVED  
2008 AUG 15 AM 11:47  
CLERK OF THE BOARD  
ORANGE COUNTY  
BOARD OF SUPERVISORS



**AGENDA STAFF REPORT  
SUPPLEMENTAL**

S42E

**MEETING DATE:** 8/19/08  
**LEGAL ENTITY TAKING ACTION:** Board of Supervisors  
**BOARD OF SUPERVISORS DISTRICT(S):** All Districts  
**SUBMITTING AGENCY/DEPARTMENT:** County Executive Office  
**DEPARTMENT CONTACT PERSON(S):** Deputy CEO/CIO, Satish Ajmani 834-2876

**SUBJECT:** Fiber Optical Conduit

CEO CONCLR

COUNTY COUNSEL REVIEW

CLERK OF THE BOARD  
Discussion  
3 Votes Board Majority

**Budgeted:** Yes                      **Current Year Cost:** \$124,691                      **Annual Cost:** 0  
**Staffing Impact:** No                      **# of Positions:** N/A                      **Sole Source:** Yes  
**Current Fiscal Year Revenue:** N/A  
**Funding Source:** ISF - 289

**Prior Board Action:** N/A

**RECOMMENDED ACTION(S)**

Authorize OC Public Works to issue an change order to Westcoast Air to install an additional conduit for fiber optical use.

**SUMMARY:**

There is an opportunity to save costs and improve out voice/data network capacity by leveraging the ongoing Cogen construction project without impacting the project's schedule.

**BACKGROUND INFORMATION:**

The Board of Supervisors approved a Cogen design/build project in 2007 requiring a utility trench from Building 12 to the Cogen Plan. On July 8, 2008 the project released a construction notice to civic area users. The project is on schedule and budget.

CEO/IT has a FY 08-09 approved project to expand the performance of our Wide Area Network (WAN). This change order will directly benefit all Civic Center voice/data users include, OC Community Resources, OC Waste & Recycle; and the OC Sheriff. Although County-owned fiber conduits currently provide unlimited voice/data/video network capacity for many years into the future, it is usually too expensive to approach as a large capital utility project and we are forced into years of expensive AT&T monthly lease circuits. The return on investment for installing conduit in an open trench verses recurring monthly AT&T lease circuits is less than 24 months.

By July 18, 2008 the Cogen Project Manager and all parties concluded the Cogen design and construction plan can accommodate installation of a County fiber conduit with no schedule impact. The parties began

the required detailed planning and document preparation. OC Public Works has prepared a change order for \$124,691 using fund 289 for both installation and material thus eliminating any delays or additional coordination challenges.

<sup>h</sup>  
This project is scheduled to begin Aug 19, 2008. The cost of re-trenching and resurfacing at a later date would be well over \$1 Million dollars.

**FINANCIAL IMPACT:**

N/A

**STAFFING IMPACT:**

N/A

**EXHIBIT(S):**

OC Public Works Change Order  
Contractors Conformation of No Delay in Schedule  
Sole Source



# west coast Air

Conditioning Co., Inc.

August 14, 2008

County of Orange, County Executive Offices  
Telephone Technical Services  
1501 E St. Andrew Place Building 1  
Santa Ana, CA 92705

Phone: 714-567-5086

ATTENTION: Max Ralsten, RCDD Network Engineer

REFERENCE: **Request for Purchase Order: Add fiber optics pathway**

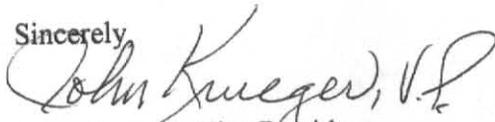
Max,

This letter is a request for a Purchase Order to supply and install a fiber optics pathway following the pathway of the currently designed electric power distribution system per Orange County Public Works letter of July 16, 2008 and attached sketches. The conduit is revised to 2" conduit without innerduct and without pull strings. Portions of this pathway will incorporate existing 4" conduit and pneumatic tube pathways. The pathway through the high voltage vaults has been addressed per Allan Stevens (Syska) email of 7/29/08. This conduit pathway will allow the County to install a fiber optics distribution network in the future.

Attached is a proposal in the amount of \$124,691 with backup cost information for your use. Time is of the essence, this work is scheduled to commence next Monday, August 17, 2008.

Respond with any questions.

Sincerely,



John Krueger, Vice President

Martha-John\Project Management New Projects\Orange Co-gen\RFC\RFC #13

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# J JUSTIFICATION FOR SOLE SOURCE REQUEST

Date: Aug 15, 2008 Department/Agency: CEO/Information Technology

Req. No: Cogen Project Contact: Barbar Tidball Phone: 714 567-6516 Cost: \$  
126,692.27

~~\$126,692.27~~  
\$124,691

**Description of Services/Item/Supply Requested:**

Install additional conduit in existing trench and Cogen conduit encasement as described in OC Public Works change order CO-4, titled Fiber Optic Conduit.

**Recommended Vendor:**

Westcoast Air conditioning Co, Inc. Lakeside Ca.

**Please state the reason that product/service can be provided only by the recommended vendor.**

This is a small add-on to an existing much parger project. The existing vendor is already under contract and executing the Cogen project with the trench excavated and other conduits already being installed. The technical complexity, high degree of coordination require, and tight time line required that the existing vendor complete this work.

**Have other providers of the product or service been contacted? Please provide detailed information.**  
OC Public works completed a formal bid for the overall project, of which this add-on is a small change order.

**How does recommended vendor's prices or fees compare to the general market?**  
This vendor's rates were evaluated during the earlier bid selection and this specific compared to other bidders rates for like work

**If recommended vendor could not provide the product or service, how would the agency accomplish this particular task?** We would not do this add-on.

Authorized Agency/Department

Signature: Sahar Ajimani Date: 8/15/08

**Decentralized Agency and Purchasing Use Only**

Deputy Buyer Comments: \_\_\_\_\_

Deputy Buyer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Deputy Purchasing Agent Concurrence: \_\_\_\_\_ Date: \_\_\_\_\_

CEO Buyer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Supervisor Concurrence: \_\_\_\_\_ Date: \_\_\_\_\_