

**Source:**

Water & Light  
Tad A. Johnsen

Agenda Item No. \_\_\_\_\_

**FISCAL and VISION NOTES:**

**TO: City Council**  
**FROM: City Manager and Staff**  
**DATE: April 5, 2011**  
**RE: Amended Transmission Line Route Study**

<b>City Fiscal Impact</b> Enter all that apply:	
\$30,000	City's current net FY cost.
\$30,000	Amount of Funds Already appropriated
\$0	Amount of budget amendment needed
\$0	Estimated 2 yr net costs: One-time
\$0	Operating / On-going
<b>Program Impact:</b>	
N	New program/ agency (Y/N)
N	Duplicates/expands an existing program (Y/N)
N	Fiscal impact on any local political subdivision (Y/N)
<b>Resources Required:</b>	
N	Requires add'l FTE personnel? (Y/N)
N	Requires additional facilities? (Y/N)
N	Requires additional capital equipment? (Y/N)
<b>Mandates:</b>	
N	Federal or state mandated? (Y/N)
<b>Vision Implementation Impact</b> Enter Below All That Applies:	
N	Vision Impact? (Y/N or if N, go no further)
Item #	Primary Vision Statement, Goal, and/or Strategy Item#
Item #	Secondary Vision Statement, Goal, and/or Strategy Item#
Task #	FY10/FY11 Implementation Task#

**EXECUTIVE SUMMARY:**

Staff has prepared for Council consideration a resolution authorizing the City Manager to amend the contract for the Transmission Line Route Study for \$30,000.00. The City has previously executed a contract for engineering services with SEGA, Inc. to conduct a Transmission Line Route Study for the addition of three 161 kV transmission lines to meet the requirements of several NERC standards. Council has requested that staff evaluate a second option that has resulted in two alternative routes. Staff has prepared for Council consideration a resolution authorizing the City Manager to execute a \$30,000.00 change order to the contract for engineering services with SEGA, Inc. to amend the Transmission Line Route Study to include this second option. This change order would bring the total cost for the study to \$135,000.00. The Water and Light Advisory Board recommends the Council authorize the change order.

**DISCUSSION:**

Staff has proposed the addition of three 161 kV transmission lines to meet the requirements of several NERC standards. The Transmission Line Route Study evaluated the location of the new Mill Creek 161 kV to 13.8 kV substation as well as the three line segments to tie the Grindstone, Perche Creek and McBaine substation to the new Mill Creek substation site located in the southern portion of the Columbia area. The basic engineering services included the design services to assist the City in choosing the most feasible routes for the 161 kV transmission lines as well as the new 161/13.8 kV substation.

After review of the proposed transmission line routes, Council requested that staff evaluate options that include 161kV perimeter routes and 69 kV in town routes. This second option will include connecting the new Mill Creek substation to the 69 kV system along with the addition of a perimeter 161 kV line that would go directly from Perche Creek substation to AECI's McBaine substation. Review of this additional option

will require an increase to the SEGA, Inc. engineering services contract of \$30,000.00.

In order to assist the City in choosing the most feasible routes for the new transmission lines, the amended Transmission Line Route Study will provide the same level of basic engineering design services for the second option as was provided in the initial study.

**FISCAL IMPACT:**

Funds are available in current budget, no appropriations necessary.

**VISION IMPACT:**

None.

**SUGGESTED COUNCIL ACTIONS:**

The Water and Light Advisory Board has recommended that Council adopt a resolution authorizing the City Manager to execute a Change Order to the contract for engineering services with SEGA to amend the Transmission Line Route Study for \$30,000.00.

Cc: Water and Light Advisory Board  
Water and Light Staff

**REQUEST FOR COUNCIL BILL**

DEPARTMENT REQUESTING COUNCIL BILL: **Water and Light**

DESCRIPTION OF RESOLUTION/ORDINANCE: Introduction and passage of a resolution to amend the existing Line Route Study contract with SEGA, Inc. for an additional \$30,000.

APPROPRIATION AMOUNT: \$ None

FROM: \_\_\_\_\_  
(Name of Account or Fund/Account #)

TO THE: \_\_\_\_\_  
(Name of Account or Fund/Account #)

APPROVAL OF APPROPRIATION: \_\_\_\_\_  
**FINANCE DIRECTOR**

FORM OF CERTIFICATION (TO BE FILLED IN BY THE FINANCE DIRECTOR):

\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE OF DEPARTMENT HEAD  
REQUESTING COUNCIL BILL

Date: \_\_\_\_\_

ALL REQUESTS FOR COUNCIL BILL MUST BE ACCOMPANIED BY THIS  
COMPLETED FORM