

**JEFFERSON COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA REQUEST**

**TO:** Board of County Commissioners  
**FROM:** Janet Silvus, Director of JeffCom 9-1-1  
**DATE:** April 25, 2011  
**RE:** JEFFCOM 9-1-1 Radio System Improvements Change Order No. 19 and 20

**STATEMENT OF ISSUE:** Approval and execution of Change Order Request (COR) No. 19 in the amount of \$11,516.00 and COR No. 20 in the credit amount of (\$2,203.00) for Buchanan General Contracting Company (Contractor) for the JeffCom 911 Radio System Improvements.

**ANALYSIS:** On January 25, 2010, the Board of County Commissioners approved and executed a contract with Buchanan General Contracting Company, P.O. Box 40069, Bellevue, WA 98015 for the construction of the JeffCom 9-1-1 Radio System Improvement Project.

The Board of County Commissioners approved COR No. 16 on December 6, 2010 for construction of the City site and 180' radio tower based on preliminary plans and cost estimates. During construction, it was determined that some of the grades and related retaining walls needed to be revised to better fit the site conditions, as directed by the Engineer. COR No. 19 provides for the additional costs associated with the revised grades.

The initial foundation design for the 180' tower presumed a level site but the actual site is terraced with two tower legs on a lower step, requiring taller foundations which were addressed in COR No. 18. COR No. 20 provides a credit for the savings by rotating the tower 180 degrees to reduce the amount of reinforced concrete tower foundation by placing two legs on the upper level and only one leg on the lower step with a longer foundation.

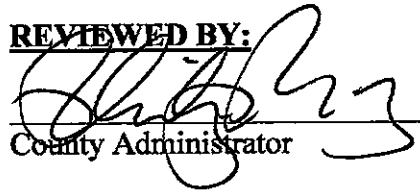
This is the final phase of construction for the project with separate contracts for the microwave and simulcast radio systems. The Commissioners separately approved direct purchases of the tower structure itself plus a shelter for the radio equipment and an emergency generator, all of which will be installed by Buchanan under COR No 16. Work under this contract will finish mid-May and the radio work in mid-June.

COR No. 19 and 20 were approved by the JeffCom Administrative Board on March 24, 2011.

**FISCAL IMPACT:** Funds will be provided by the JeffCom Enhancement Fund 121 which was funded by a 2007 bond issue. The total amount of the original contract with sales tax was \$364,728.08. Change Order Requests No. 1 through 18 increased the current approved cost to \$892,024.08. The addition of COR No. 19 in the amount of \$11,516.00 and COR No. 20 in the credit amount of (\$2,203.00) brings the new total to \$901,337.08. The total of CORs 1 through 20 is \$536,609.00 or 147.13% of the original contract. The total projected costs of this project have exceeded the original 2007 bond issue and additional bonds have been issued to cover the costs.

**RECOMMENDATION:** Move to approve and execute Change Order Request No. 19 and 20 to the JeffCom 911 Radio System Improvement Contract with Buchanan General Contracting Company.

**REVIEWED BY:**

  
County Administrator

4/27/11  
Date

**JEFFCOM 9-1-1 Radio System Improvements**  
**CHANGE ORDER REQUEST No. 19**

On January 25, 2010, Jefferson County executed a Contract with Buchanan General Contracting Company (Contractor) for the public works construction of JeffCom 911 Radio System Improvements in the amount of \$364,728.08 including sales tax. That bid did not include the City of Port Townsend site which was added by COR No. 16. Previously approved Change Order Requests (COR) No. 1 through 18 bring the currently approved project total to \$892,024.08 to date. Proposed COR No. 19 in the amount of \$11,516.00 (including 8.7% sales tax) would bring the new total to \$903,540.08, a total increase of 147.730%.

Change Order Request No 16 provided for Buchanan to construct the 180' radio tower and related facilities at the City of Port Townsend water reservoir site in the amount of \$377,796.00. COR No. 19 provides for revised ground elevations and retaining walls per direction from the engineer. See the attached letter from Buchanan for a complete description. This COR No. 19 was approved by the JeffCom Administrative Board on March 24, 2011.

The scope of work for the project is described in the Contract, Amendments to Standard Specifications and on the Plans that are included in the original Contract. That scope of work is hereby amended as follows:

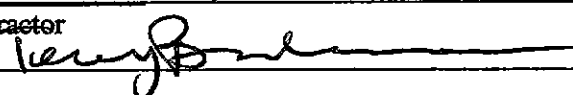
Provide labor, equipment, materials and supervision to implement the revised site grades and retaining wall design at the City water reservoir site, all per the provided plans and specifications.

The Contract amount is hereby amended as follows:

On March 21, 2011, the Contractor provided a price quote of \$11,516.00 (including sales tax) for COR No. 19 (copy attached) for the extra costs related to the revised site and retaining wall design as described above. Effective April 1, 2011, the sales tax for all work in Jefferson County was increased to 8.7% which is shown on the attachments. The total Contract amount is hereby amended to \$903,540.08.

There are no changes to any other provisions of the Contract than stated herein.

Executed by the Contractor April 14, 2011

BUCHANAN GENERAL CONT. CO.  
Contractor  
By: 

SEAL:

COUNTY OF JEFFERSON  
BOARD OF COMMISSIONERS

John Austin, Chair

Phil Johnson, Member

David Sullivan, Member

Approved as to form only:  
David Alvarez 4/19/2011  
Jefferson Co. Prosecutor's Office

ATTEST:

Lorna Delaney, CMC  
Clerk of the Board



March 21, 2011

Little Construction  
2009 4th Street  
Port Townsend, WA 98368

Attention: Alex Little

Reference: JEFFCOMM 911  
CE21 -- Revised Compound Elevations

Dear Alex,

We are pleased to submit a lump sum quotation of \$11,483.00 to provide all of the labor, material, equipment and supervision to revise the compound and retaining wall elevations per the 3/21/11 email from Eric Sladky, PB Telecom, Inc. A copy of our breakdown is attached along with the quote from Sound Retaining Walls. This price does not include sales taxes.

Please issue a change order for this revision. Thank you.

Very Truly Yours,  
Buchanan General Contracting Company

Terry Buchanan  
Project Manager

Cc: Larry Southwick

BGC Code	Description	Quantity	Labor		Material		Subcontractor		Total Cost	Notes
			Unit	Total	Unit	Total	Unit	Total		
<b>GENERAL CONDITIONS</b>										
	Superintendent	8 hr	49.63	397	0.00	0	0.00	0	397	
	As built drawings	0 ls	0.00	0	0.00	0	35.00	0	0	
	Telephone	0.05 mo	0.00	0	225.00	11	0.00	0	11	
	Substance Superintendent	2 da	0.00	0	50.00	100	0.00	0	100	
	Substance Craft	3 da	0.00	0	45.00	135	0.00	0	135	
	Travel trucks	1 ea	0.00	0	25.00	25	0.00	0	25	
	Construction equipment	0.05 mo	0.00	0	480.00	24	0.00	0	24	
	Pick up truck	0.05 mo	0.00	0	615.00	31	0.00	0	31	
	Small tools	0.05 mo	0.00	0	480.00	24	0.00	0	24	
	Fuel and maintenance	0.05 mo	0.00	0	1275.00	64	0.00	0	64	
	Fuel adjustment	0.05 mo	0.00	0	0.00	0	0.00	0	0	
	<b>Compound - 58'x22'</b>	1 s/c	0.00	0	0.00	0	0.00	0	0	
	580 Backhoe	6.5 hr	0.00	0	0.00	0	130.00	845	845	
	10cy Dump	7.5 hr	0.00	0	0.00	0	105.00	788	788	
3/0	excavate dirt	47 cy	0.95	45	0.00	0	0.00	0	45	
2/7.5	load, haul & dirt	59 cy	0.51	30	2.00	118	0.00	0	148	
1.5/0	rough grade & compact	142 sy	0.45	64	0.00	0	0.00	0	64	
	compactor	0.5 da	15.00	8	115.00	58	0.00	0	65	
	<b>Keystone Retaining Walls</b>	1 s/c	0.00	0	0.00	0	0.00	0	0	
	extend heigh of wall for new elev	120 sf	0.00	0	0.00	0	27.75	3330	3,330	
	580 Backhoe	4 hr	0.00	0	0.00	0	130.00	520	520	
	10cy Dump	0 hr	0.00	0	0.00	0	105.00	0	0	
1/0	import & place gravel foundation	10 cy	9.25	93	29.50	295	0.00	0	388	
3/0	buy & place drain rock	25 cy	3.67	92	38.50	913	0.00	0	1,004	
				727		1,797		5,483	8,007	
Labor Adjustment			194.62%	643		0		0	643	
Labor Taxes			32.71%	448		0		0	448	
Total Labor, Material, & Sub				1,819		1,797		5,483	9,098	
Overhead & Fee							13.50%		1,228	
Sub Total									10,326	
B&O, & Insurance							2.59%		267	
Change Estimate									10,594	
Sales Tax							8.7%		923	
Total With Tax									\$11,518	

**JEFFCOM 9-1-1 Radio System Improvements**  
**CHANGE ORDER REQUEST No. 20**

On January 25, 2010, Jefferson County executed a Contract with Buchanan General Contracting Company (Contractor) for the public works construction of JeffCom 911 Radio System Improvements in the amount of \$364,728.08 including sales tax. That bid did not include the City of Port Townsend site which was added by COR No. 16. Previously approved Change Order Requests (COR) No. 1 through 18 bring the currently approved project total to \$892,024.08 to date. Proposed COR No. 19 in the amount of \$11,516.00 and COR No. 20 in the credit of -\$2,203.00 (including 8.7% sales tax) would bring the new total to \$901,337.08, a total increase of 147.126%.

Change Order Request No 16 provided for Buchanan to construct the 180' radio tower and related facilities at the City of Port Townsend water reservoir site in the amount of \$377,796.00. COR No. 20 provides for rotating the tower 180 degrees to reduce the amount of reinforced concrete foundation per direction from the engineer. See the attached letter from Buchanan for a complete description. This COR No. 20 was suggested by the JeffCom Administrative Board on March 24, 2011.

The scope of work for the project is described in the Contract, Amendments to Standard Specifications and on the Plans that are included in the original Contract. That scope of work is hereby amended as follows:

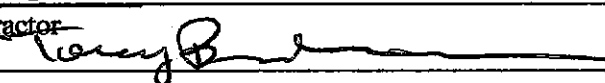
Rotate the tower 180 degrees at the City water reservoir site, all per the provided plans and specifications.

The Contract amount is hereby amended as follows:

On March 31, 2011, the Contractor provided a credit price of -\$2,203.00 (including sales tax) for COR No. 20 (copy attached) for the savings related to the rotating the tower 180 degrees as described above. Effective April 1, 2011, the sales tax for all work in Jefferson County was increased to 8.7% which is included in the attachments. The total Contract amount is hereby amended to \$901,337.08.

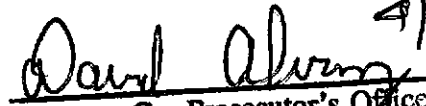
There are no changes to any other provisions of the Contract than stated herein.

Executed by the Contractor April 14, 2011

BUCHANAN GENERAL CONT. CO.  
Contractor  
By: 

SEAL:

Approved as to form only:

 4/19/2011  
Jefferson Co. Prosecutor's Office

COUNTY OF JEFFERSON  
BOARD OF COMMISSIONERS

\_\_\_\_\_  
John Austin, Chair

\_\_\_\_\_  
Phil Johnson, Member

\_\_\_\_\_  
David Sullivan, Member

ATTEST:

Lorna Delaney, CMC  
Clerk of the Board



March 31, 2011

Little Construction  
2009 4th Street  
Port Townsend, WA 98368

Attention: Alex Little

Reference: JEFFCOMM 911  
CE20 – Savings for Rotating Tower

Dear Alex,

We are pleased to submit a credit of \$2,203.00 for rotating the tower to place two of the legs on the same elevation as the generator pad per the revised design. A copy of our breakdown is attached.

Please issue a change order for this revision. Thank you.

Very Truly Yours,  
Buchanan General Contracting Company

Terry Buchanan  
Project Manager

Cc: Larry Southwick

PO Box 40069 Bellevue, WA 98015  
phone 425 462-1326 fax 425 462-9468 www.buchanangc.com  
BUCHAGC 159CF

BGC Code	Description	Quantity	Labor		Material		Subcontractor		Total Cost	Notes
			Unit	Total	Unit	Total	Unit	Total		
	<b>TOWER FOUNDATION</b>	1 s/c	0.00	0	0.00	0	0.00	0	0	
	load, haul & dispose	-5 cy	0.00	0	4.00	-20	0.00	0	-20	
	Rebar - place	-1.75 t	0.00	0	0.00	0	579.00	-1,013	-1,013	cruncher
	shorten long bars	1 hr	44.19	44	0.00	0	0.00	0	44	
	Concrete @ caisson 8000 psi	-5 cy	0.00	0	110.00	-550	0.00	0	-550	
	Pumping hourly	-1 hr	44.19	-44	0.00	0	135.00	-135	-179	
	Pumping cy	-5 cy	0.00	0	0.75	-4	3.75	-19	-23	
				0		-574		-1,167	-1,741	
	Labor Adjustment		0.00%	0		0		0	0	
	Labor Taxes		32.71%	0		0		0	0	
	<b>Total Labor, Material, &amp; Sub</b>			0		-574		-1,167	-1,741	
	Overhead & Fee						13.50%		-235	
	<b>Sub Total</b>								-1,976	
	B&O, & Insurance						2.59%		-51	
	<b>Change Estimate</b>								-2,027	
	WSST						8.70%		-176	
	<b>Total With WSST</b>								<b>(\$2,203)</b>	