

PORT ST. LUCIE CITY COUNCIL
AGENDA ITEM REQUEST

COUNCIL ITEM 13D
DATE 4/9/12

Meeting Date: April 9, 2012

Public Hearing Ordinance Resolution Motion

Item: Contract #20120011 CO #1 - Southport #4 Lift Station Replacement & Force Main Replacement

Recommended Action:

Approval of Change Order #1 with Melvin Bush Construction, Inc. for the Replacement of Southport #4 Replacement & Force Main Replacement in the amount of \$21,195.60. Contract period remains at one hundred eighty (180) calendar days.

Exhibits: Department memo attached [X] yes [] no

Summary Explanation/Background Information: This change order involves extending the project limits to Sunshine Avenue, east of Pine Valley to the Southport Wastewater Booster Pump Station, and construct a new twelve inch (12") PVC Force Main and abate the existing twelve inch (12") asbestos cement force main within the proposed extended project limits. This Change Order requires no adjustment in the project time period. The Utilities Department has reviewed the Change Order and recommends City Council approve this request.

Purchase is budgeted in the 438 Fund.

Expenditure: **\$21,195.60**

Department requests expenditure from the following:

Fund	438	Renewal & Replacement Fund
Cost Center	3380	Lift Stations
Object Code	563000	Improvements O/T Building
Project	00000	n/a

Director of OMB concurs with award: 

City Manager concurs with award: 

Department requests -0- minutes to make a presentation.

Submitted by: Jesus Merejo Date Submitted: 4/2/2012

Title: Utilities Director

RECEIVED

APR 04 2012

City Manager's Office

CHANGE ORDER

No.: Change Order # 1

PROJECT: SP #4 Lift Station Replacement DATE OF ISSUANCE: March 28, 2012

OWNER: City of Port St. Lucie
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida 34984 OWNER's CONTRACT No.: 20120011

CONTRACTOR: Melvin Bush Construction, Inc.
2748 SW Casella Street
Port St Lucie, Florida 34953 ENGINEER: PSL UTILITY SYSTEMS DEPARTMENT
ENGINEER's PROJECT No: 33.3004

CONTRACT FOR: The Construction of a New SP #4 Lift Station and associated force mains to replace the existing SP #4 Lift Station and associated force mains.

You are hereby directed to make the following changes in the Contract Documents.

Change Order Description: Adjust existing pay item quantities and add one new pay item to extend the project limits, extending the force main installation and abatement.

Purpose of Change Order: 1. Increase in contract amount for additional work requested.
2. All other contract provisions / addenda remain in full force & effect.

Attachments: 1. Engineer's Summary of Changes "Attachment A"
2. Document of Changes "Attachment B"
3. Contractor's Change Order Proposal "Attachment C"

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price \$ <u>459,717.86</u>	Original Contract Time <u>180</u> days or date
Previous Change Orders No. 0 through 1 <u>\$0.00</u>	Net change from previous Change Orders <u>0</u> days
Contract Price prior to this Change Order \$ <u>459,717.86</u>	Contract Time prior to this Change Order <u>180</u> days or date
Net Increase / Decrease of this Change Order \$ <u>21,195.60</u>	Net Increase / Decrease of this Change Order <u>0</u> days
Contract Price with all approved Change Orders \$ <u>480,913.46</u>	Contract Time with all approved Change Orders <u>180</u> days or date

RECOMMENDED: _____ APPROVED: _____ APPROVED: _____
by _____ by _____ by _____
Engineer Owner Contractor

INTEROFFICE MEMORANDUM

To: Cheryl Shanaberger, OMB Deputy Director
FROM: Jesus A. Merejo, Utility Systems Director
SUBJECT: Southport #04 Lift Station and Force Main Replacement
Contract #20120011 – Change Order #1
DATE: April 4, 2012

Summary & Scope of Work:

The ongoing Southport #04 Lift Station and Force Main Replacement project includes the replacement of the existing Southport #04 Wastewater Lift Station and various asbestos cement force mains servicing the Southport #04 Lift Station, Ballantrae, and several lift stations west of Southport #04. In order to provide redundant force main back-up design between Pine Valley and the Southport Wastewater Booster Pump Station (SPWWBP), it is the Department's desire to extend the project limits, and extend the replacement and abatement of the existing 12" asbestos cement force main along Sunshine Avenue, from Pine Valley Street east to the SPWWBP. The additional scope of work will consist of the construction of; +/- 360 lf of new 12" PVC force main and appurtenances; and +/- 400 lf of pipe abatement of the existing 12" force main within the proposed extended project limits.

Recommended Action:

The Utility Systems Department has reviewed the attached proposed Contract #20120011, Change Order #1, in the amount of \$21,195.60, with no additional days being added to the contract, and requests that Contract #2012001, Change Order #1 be presented to the City Council for approval at the next available City Council Meeting.

Contract Expenditure:	Original	\$459,717.86
	CO #1	<u>\$ 21,195.60</u>
	Revised	\$480,913.46
Contract Time:	Original	180-days
	CO #1	<u>0-days</u>
	Revised	180-days
Funds for these services are available in:		438-3380-563000

Attachments: Change Order #1
Engineers Summary of Changes "Attachment A"
Document of Changes "Attachment B"
Contractors Change Order Proposal "Attachment C"

c: Laney Southerly, P.E., Utility Engineering Manager
David Koeppen, C.I.P. Project Manager
Jeanette Thompson, Manager of Budget and Procurement
File: 33.3004

"ATTACHMENT A"

INTEROFFICE MEMORANDUM

TO: Jesus A. Merejo, Utility Systems Director
FROM: Laney Southerly, P.E., Utility Engineering Manager
SUBJECT: Southport #04 Lift Station and Force Main Replacement
Contract #20120011 – Change Order #1
Engineers Summary of Change
DATE: March 28, 2012

The following Summary of Changes outlines the proposed costs and time associated with the changes outlined in the attached Contract #20120011, Change Order #1, to extend the project limits along Sunshine Avenue, east of Pine Valley, to the SPWWBP, and construct a new 12" PVC Force Main and abate the existing 12" Asbestos Cement Force Main within the proposed extended project limits.

1. Line Item #4 – Pre-construction Survey Layout (F&I): The quantity for Pre-construction Survey Layout has been increased by 20% of the original line item costs, for a total cost increase of \$440.00, with no additional days added to the contract.
2. Line Item #5 – Post Construction Asbuilt Survey (F&I): The quantity for Post Construction Asbuilt Survey has been increased by 25% of the original line item costs, for a total cost increase of \$660.00, with no additional days added to the contract.
3. Line Item #6 – Erosion & Pollution Control (F&I): The quantity for Erosion & Pollution Control has been increased by 20% of the original line item costs, for a total cost increase of \$500.00, with no additional days added to the contract.
4. Line Item #9 – Material Proctors & LBRs (F&I)(Geotechnical Testing): The quantity for Material Proctors & LBRs has been increased by two (2) each for a total cost increase of \$187.00, with no additional days added to the contract.
5. Line Item #10 – Density Testing (F&I): The quantity for Density Testing has been increased by ten (10) each for a total cost increase of \$220.00, with no additional days added to the contract.
6. Line Item #13 – Performance Turf (F&I): The quantity for Performance Turf has been increased by five-hundred (500) square yards for a total cost increase of \$1,500.00, with no additional days added to the contract.
7. Line Item #15 – Roadway Base (Cemented Coquina) (12" Thick) (F&I): The quantity for Roadway Base has been increased by thirty-six (36) square yards for a total cost increase of \$1,008.00, with no additional days added to the contract.

Southport #04 L.S. & F.M. Replacement
Contract #20120011 – Change Order #1
Engineers Summary of Change
March 28, 2012

8. Line Item #16 – Asphaltic Concrete (2" Thick) (SP-12.5) (F&I): The quantity for Asphaltic Concrete has been increased by thirty-six (36) square yards for a total cost increase of \$633.60, with no additional days added to the contract.
9. Line Item #17 – Asphaltic Concrete (1-1/4" Thick) (FC-9.5) (F&I): The quantity for Asphaltic Concrete has been increased by thirty-six (36) square yards for a total cost increase of \$495.00, with no additional days added to the contract.
10. Line Item #24 – 12" C-900 DR-18 PVC Force Main (F&I): The quantity for 12" PVC Force Main has been increased by three-hundred sixty (360) linear feet for a total cost increase of \$11,952.00, with no additional days added to the contract.
11. Item #29 – Pipe Abatement (F&I): The quantity for Pipe Abatement has been increased by four-hundred (400) linear feet for a total cost increase of \$1,760.00, with no additional days added to the contract.
12. Item #46-CO #1 – Remove & Replace Existing Chain Link Fencing SPWWBP: This item was added to the contract for the work to be performed for a total cost increase of \$1,840.00, with no additional days added to the contract.

In summary the above Change Order #1 additions will result in a net contract increase of \$21,195.60 and a revised contract total of \$480,913.46, with no additional days added to the contract time. We have reviewed the changes and recommend that Change Order #1 be presented to City Council for review and approval.

As always, should you have any questions regarding this matter, please feel free to contact me.

c: David Koeppen, C.I.P. Project Manager
File: 33.3004

"ATTACHMENT C"

MELVIN BUSH CONSTRUCTION, INC.

Underground Utilities
2748 S.W. CASELLA ST.
PORT ST. LUCIE, FL 34953

Tel (772) 336-0623
Fax (772) 336-0488

change order

NUMBER: 279
X **ADDITIONAL WORK ORDER**

TO CITY OF PORT ST. LUCIE
121 SW PORT ST. LUCIE BLVD
PORT ST. LUCIE FL 34984

PHONE {772} 873-6400	DATE 3/21/2012
JOB NAME / LOCATION PROJECT # 33.3004 CONTRACT #20120011 REPLACE #4 SOUTHPORT LIFT STATION AND FORCEMAIN	
CONTRACT / JOB NUMBER CONTRACT# 20120011	JOB PHONE

We hereby agree to the change(s) or additional work specified below:

PROJECT # 33.3004
CONTRACT #20120011 -
REPLACE #4 SOUTHPORT LIFT STATION AND FORCEMAIN

PRE-CONSTRUCTION LAYOUT	1/LS	440.00	440.00
POST CONSTRUCTION AS-BUILTS	1/LS	660.00	660.00
EROSION CONTROL	1/LS	500.00	500.00
MATERIAL PROCTORS & LBR'S	2/EA	93.50	187.00
DENSITY TESTING	10/EA	22.00	220.00
PERFORMANCE TURF SOD/BAHIA	500/SY	3.00	1,500.00
ROADWAY BASE(COQUINA 12")	36/SY	28.00	1,008.00
ASPHALTIC CONCRETE 2" THICK(SP-12.5)	36/SY	17.60	633.60
ASPHALTIC CONCRETE 1-1/4" THICK(FC9.5)	45/SY	11.00	495.00
12" C-900 DR-18 PVC FORCEMAIN	360/LF	33.20	11,952.00
PIPE ABATEMENT	400/LF	4.40	1,760.00
REMOVE & REPLACE EXISTING FENCE	1/LS	1,840.00	1,840.00
TOTAL CHANGE ORDER			21,195.60

NOTE: This Change Order becomes part of and in conformance with the existing contract.

We Agree hereby to make the change(s) specified above at this price 21,195.60

Date of agreement: <u>3/21/2012</u>	PREVIOUS CONTRACT AMOUNT	459,717.86
Authorized Signature: <u><i>Melvin Bush</i></u> (CONTRACTOR)	REVISED CONTRACT TOTAL	480,913.46

Payment will be made as follows:

Accepted — The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise stipulated.

Authorized Signature _____ (OWNER)
Date of acceptance: _____

Line Item Number	PAY ITEMS	PAY ITEM DESCRIPTIONS	BID QTY	UNIT TYPE	CONTRACT UNIT COST	UNIT TYPE	ORIGINAL CONTRACT COST	REVISED QTY, W/C's	REVISED CONTRACT COST	CO #1 QTY	CO #1 VALUE	
1	33.3001-1	Indemnification	1.00	LS	\$10.00	LS	\$10.00	1.00	\$10.00	-	-	
2	33.3001-2	Mobilization, per FDOT Section 101	1.00	LS	\$9,373.00	LS	\$9,373.00	1.00	\$9,373.00	-	-	
3	33.3001-3	Maintenance of Traffic (F&I), per applicable FDOT Series 600	1.00	LS	\$2,500.00	LS	\$2,500.00	1.00	\$2,500.00	-	-	
4	33.3001-4	Pre-construction Survey Layout (F&I)	1.00	LS	\$2,200.00	LS	\$2,200.00	1.00	\$2,200.00	0.20	\$440.00	
5	33.3001-5	Post Construction Asbuilt Survey (F&I)	1.00	LS	\$2,640.00	LS	\$2,640.00	1.25	\$3,300.00	0.25	\$660.00	
6	33.3001-6	Erosion & Pollution Control (F&I), per FDOT Series 102 & 103	1.00	LS	\$2,500.00	LS	\$2,500.00	1.20	\$3,000.00	0.20	\$500.00	
7	33.3001-7	6" Temporary Construction Fencing, including Gates (F&I) & Access	1.00	LS	\$1,230.00	LS	\$1,230.00	1.00	\$1,230.00	-	-	
8	33.3001-8	Cleaning & Grubbing (F&I)	1.00	LS	\$2,000.00	LS	\$2,000.00	1.00	\$2,000.00	-	-	
9	33.3001-9	Material Proctors & LBRS (F&I)	4.00	EA	\$93.50	EA	\$374.00	6.00	\$561.00	2.00	\$187.00	
10	33.3001-10	Density Testing (F&I)	70.00	EA	\$22.00	EA	\$1,540.00	80.00	\$1,760.00	10.00	\$220.00	
11	33.3001-11	Concrete Slump & Compression Testing (F&I)	1.00	EA	\$93.50	EA	\$93.50	1.00	\$93.50	-	-	
12	33.3001-12	Geogrid Turf/Soil Reinforcement (F&I)	1,200.00	SP	\$2.15	SP	\$2,580.00	1,200.00	\$2,580.00	-	-	
13	33.3001-13	Performance Turf, per FDOT Section 570, (F&I)	4,640.00	SY	\$63.00	SY	\$292,320.00	5,140.00	\$323,820.00	500.00	\$15,000.00	
14	33.3001-14	Concrete Driveway Turnout, (4000 PSI), (Fiber Mesh), (6" Thick)	27.00	SY	\$28.00	SY	\$756.00	27.00	\$756.00	-	-	
15	33.3001-15	Roadway Base (Cemented Coquina), (12" Thick), (F&I)	57.00	SY	\$28.00	SY	\$1,596.00	93.00	\$2,604.00	36.00	\$1,008.00	
16	33.3001-16	Asphaltic Concrete (2" Thick) (SP-12.5), (F&I)	73.00	SY	\$17.60	SY	\$1,284.80	109.00	\$1,918.40	36.00	\$633.60	
17	33.3001-17	Asphaltic Concrete (1-1/4" Thick) (FC-9.5), (F&I)	89.00	SY	\$14.00	SY	\$1,246.00	134.00	\$1,918.00	45.00	\$630.00	
18	33.3001-18	Valley Curb (Class - 1 Concrete), (F&I)	60.00	LF	\$20.00	LF	\$1,200.00	60.00	\$1,200.00	-	-	
19	33.3001-19	Type "D" Curb, (Class - 1 Concrete), (F&I)	40.00	LF	\$15.00	LF	\$600.00	40.00	\$600.00	-	-	
20	33.3001-20	The-into Existing Force Main <12" (F&I)	3.00	EA	\$600.00	EA	\$1,800.00	3.00	\$1,800.00	-	-	
21	33.3001-21	The-into Existing Force Main <12" (F&I)	3.00	EA	\$2,400.00	EA	\$7,200.00	3.00	\$7,200.00	-	-	
22	33.3001-22	8" C-900, DR-18, PVC, Force Main, (F&I)	2,560.00	LF	\$17.70	LF	\$45,312.00	2,560.00	\$45,312.00	-	-	
23	33.3001-23	10" C-900, DR-18, PVC, Force Main, (F&I)	10.00	LF	\$23.20	LF	\$232.00	10.00	\$232.00	-	-	
24	33.3001-24	12" C-900, DR-18, PVC, Force Main, (F&I)	680.00	LF	\$33.20	LF	\$22,576.00	1,040.00	\$34,528.00	360.00	\$11,952.00	
25	33.3001-25	8" Gate Valve, & Valve Box, (Complete), (F&I)	6.00	EA	\$1,042.00	EA	\$6,252.00	6.00	\$6,252.00	-	-	
26	33.3001-26	12" Gate Valve, & Valve Box, (Complete), (F&I)	2.00	EA	\$1,826.50	EA	\$3,653.00	2.00	\$3,653.00	-	-	
27	33.3001-27	D.I.P. Fittings, (C-153), (350 PSI), (Epoxy Lined), (F&I)	2.00	TN	\$16,212.58	TN	\$32,425.16	2.00	\$32,425.16	-	-	
28	33.3001-28	2" Automatic Air Release Valve, with above ground enclosure, (F&I)	2.00	EA	\$5,062.50	EA	\$10,125.00	2.00	\$10,125.00	-	-	
29	33.3001-29	Pipe Abatement, (Complete), (F&I)	2.930	LF	\$4.40	LF	\$12,892.00	3.330	\$14,652.00	400.00	\$1,760.00	
30	33.3001-30	The-into Existing Manhole, (Complete), (F&I)	1.00	EA	\$3,450.00	EA	\$3,450.00	1.00	\$3,450.00	-	-	
31	33.3001-31	10" C-900, DR-18, PVC, Gravity Sewer, (F&I)	38.00	LF	\$66.80	LF	\$2,530.80	38.00	\$2,530.80	-	-	
32	33.3001-32	6" SDR-26 Sewer Service, with Clean-out, (F&I)	1.00	EA	\$612.80	EA	\$612.80	1.00	\$612.80	-	-	
33	33.3001-33	By-pass Pumping & Conversion of Existing Lift Station to a Manhole,	1.00	LS	\$19,105.00	LS	\$19,105.00	1.00	\$19,105.00	-	-	
34	33.3001-34	10" Diameter Lift Station (Complete), (F&I)	1.00	LS	\$183,399.15	LS	\$183,399.15	1.00	\$183,399.15	-	-	
35	33.3001-35	Lift Station Control Panel (4 x 4'), (Install Only)	1.00	LS	\$1,804.00	LS	\$1,804.00	1.00	\$1,804.00	-	-	
36	33.3001-36	L.S. Control Panel & Flood Light Support System and	1.00	LS	\$38,795.20	LS	\$38,795.20	1.00	\$38,795.20	-	-	
37	33.3001-37	150 AMP Electrical Service (Complete), (F&I)	1.00	LS	\$5,720.00	LS	\$5,720.00	1.00	\$5,720.00	-	-	
38	33.3001-38	6" Chain Link Fence, with 20' one piece rolling gate	1.00	LS	\$5,359.20	LS	\$5,359.20	1.00	\$5,359.20	-	-	
39	33.3001-39	Water Service, Pressure Transducer, & Hose Bib, (Complete), (F&I)	1.00	LS	\$1,420.25	LS	\$1,420.25	1.00	\$1,420.25	-	-	
40	33.3001-40	Remove & Reinstall Existing Fencing & Concrete Pedistals,	1.00	LS	\$1,200.00	LS	\$1,200.00	1.00	\$1,200.00	-	-	
41	33.3001-41	2" Sch 80 PVC Conduit & Sweeps, (F&I)	80.00	LF	\$14.50	LF	\$1,160.00	80.00	\$1,160.00	-	-	
42	33.3001-42	3" Sch 80 PVC Conduit & Sweeps, (F&I)	140.00	LF	\$9.15	LF	\$1,281.00	140.00	\$1,281.00	-	-	
43	33.3001-43	4" Sch 80 PVC Conduit & Sweeps, (F&I)	640.00	LF	\$3.00	LF	\$1,920.00	640.00	\$1,920.00	-	-	
44	33.3001-44	24" x 36" Fiber Optic Splice Box, (F&I)	1.00	EA	\$1,078.00	EA	\$1,078.00	1.00	\$1,078.00	-	-	
45	33.3001-45	17" x 30" Fiber Optic Box, (Existing), (Relocate)	1.00	EA	\$110.00	EA	\$110.00	1.00	\$110.00	-	-	
46-CO #1	33.3001-46	Remove and Replace Existing Chain Link Fencing SPWWBP	-	LS	\$1,840.00	LS	\$1,840.00	1.00	\$1,840.00	1.00	\$1,840.00	
							ORIGINAL		459,717.86	REVISED	\$480,913.36	
											C.O. #1	\$ 21,195.50