



City of Galveston

CAPITAL PROJECTS STAFF REPORT

11 January 2018

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: Ross E. Blacketter, P.E., Director of Capital Projects

RE: Consider for approval of Change Order #4 from Conrad Construction Co., Ltd., for the Saladia Avenue Reconstruction (Heards Lane - Stewart Road) project, **decreasing** the contract from \$1,891,723.47 by the amount of \$82,255.99 to a new cost of \$1,809,467.48. The funding source will be the CDBG Disaster Recovery Non-Housing Round 2.2 program. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

I. Background

- A. Many of the City's Streets were damaged during Hurricane Ike in 2008.
- B. The U.S. Department of Housing and Urban Development approved the State's amended action plan for \$1.7 billion in second round disaster recovery funding associated with Hurricane Ike and Dolly.
- C. The amended state plan allocates \$1.032 billion to the Houston-Galveston Area Council region.
- D. The General Land Office approved Costello, Inc. to perform design and construction phase services for the Saladia Avenue Reconstruction (Heards Lane - Stewart Road) project.
- E. The project advertised beginning December 19, 2016 and bid opening was held on January 12, 2017.
- F. Conrad Construction Co., Ltd. was the low responsive bidder and was awarded the contract by Council Approval on January 26, 2017 in the amount of \$1,660,177.50.
- G. This contract was subsequently reduced by \$46,103.17 to a total of \$1,614,073.79 in Change Order #1 on 27 July 2017, increased by \$279,149.68 to a total of \$1,893,223.47 in Change Order #2 on 28 September 2017 and decreased by \$1,500.00 to a total of \$1,891,723.47 in Change Order #3 on 26 October 2017.

II. Current Situation

- A. The construction of the Saladia Avenue Reconstruction (Heards Lane - Stewart Road) project is complete.
- B. Conrad Construction has requested a final change order reconciling the accounting for this project as shown in the attached documentation.
- C. Unused items and value engineering for this contract have resulted in a decrease in cost of \$180,717.31.
- D. Additional work required to complete all necessary items and ensure compliance with the appropriate codes have resulted in extra costs of \$98,461.32.
- E. These items result in a net decrease to the project of \$82,255.99.





City of Galveston

CAPITAL PROJECTS STAFF REPORT

III. Impact or ramifications of this change order request

- A. Change Order #4 is for a decrease in cost of \$82,255.99.
- B. This change order is necessary to close out this project.

IV. Alternatives in order of priority

- A. Approve Change Order #4 from Conrad Construction Co., Ltd., for the Saladia Avenue Reconstruction (Hearde Lane - Stewart Road) project, **decreasing** the contract from \$1,891,723.47 by the amount of \$82,255.99 to a new cost of \$1,809,467.48.
- B. Do not approve the request.

V. Recommendation

Approve Change Order #4 from Conrad Construction Co., Ltd., for the Saladia Avenue Reconstruction (Hearde Lane - Stewart Road) project, **decreasing** the contract from \$1,891,723.47 by the amount of \$82,255.99 to a new cost of \$1,809,467.48.

VI. Fiscal Impact Report

Requested by:	Ross E. Blacketter, P.E. Director of Capital Projects
Funding Source:	CDBG DR Non-Housing Round 2.2
Construction Cost	\$ 1,809,467.48 (decrease of \$82,255.99)
<u>Construction Administration</u>	<u>\$ 118,659.00</u>
Total Cost of Implementation	\$ 1,928,126.48

Respectfully Submitted,

Ross E. Blacketter, P.E.
Director of Capital Projects





Texas General Land Office Disaster Recovery

Construction Contract Change Order Request Form

Engineer: Costello, Inc. 9990 Richmond Ave. Suite 450, North Building Houston, TX 77042 Phone No.: 713-783-7788	Owner (Contractor Locality): City of Galveston 823 Rosenberg Galveston, TX 77550 Phone No.: 409-797-3630	Contractor: Conrad Construction Company, LTD P.O. Box 841134 Houston, TX 77284 Phone No.: 713-937-3081 Agreement Date: 02/15/2017
Date: 12/19/17 Project Code No.: P21543-4 Bid Package No.: 228104-1_BID2	Contract For (Project Description): Saladia Avenue Reconstruction from Heards Ln – Stewart Rd	GLO Contract No.: 15-081-000-8748 Change Order No.: 4

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Description of Changes: Quantities, Units, Unit Prices, Change in Completion Scheduled, Etc.	Decrease in Contract Price	Increase in Contract Price
4	Sawcut Pavement: +19.50 Linear Feet at \$8.00/Linear Foot		\$156.00
7	Remove & Dispose Existing Concrete Sidewalk, All Depths: -19.11 Square Yards at \$10.00/Square Yard	\$191.10	
8	Remove & Dispose Existing Concrete Curb and Gutter: +152 Linear Feet at \$2.00/Linear Foot		\$304.00
9	8" Cement Stabilized Base Course for Street & Alley Pavement (including SS-1H Emulsion Prime Coat): +153.54 Square Yards at \$40.00/Square Yard		\$6,141.60
10	8" Cement Treated Subgrade for Street & Alley Pavement, Including Compaction and Bituminous Prime Coat: -166 Square Yards at \$4.50/Square Yard	\$747.00	

12	Cement Stabilized Sand, Complete in Place: -114.05 Square Yards at \$40.00/Square Yard	\$4,562.00	
13	6" Compacted Subgrade for Driveways: +103.40 Square Yards at \$5.00/Square Yard		\$517.00
14	2" Type "D" HMAC, Side Street Transitions and Alleys: +154.47 Square Yards at \$50.00/Square Yard		\$7,723.50
15	6" Concrete Driveway and Alley: +66.90 Square Yards at \$70.00/Square Yard		\$4,683.00
16	6" Concrete Paving Header: -36 Linear Feet at \$15.00/Linear Feet	\$540.00	
17	7" Reinforced, Jointed, Concrete Pavement: +249.97 Square Yards at \$51.00/Square Yard		\$12,748.47
18	7" Concrete Paving Header: -49 Linear Feet at \$10.00/Linear Feet	\$490.00	
19	6" Concrete Curb & Gutter Section (Gutter Extended to Top of Subgrade Layer): +9 Linear Feet at \$25.00/Linear Feet		\$225.00
20	6" Concrete Curb: -118 Linear Feet at \$3.00/Linear Feet	\$354.00	
21	6"-18" Concrete Retaining Wall/Curb: +54.33 Linear Feet at \$100.00/Linear Foot		\$5,433.00
22	4.5" Concrete Sidewalk: +4,449.25 Square Feet at \$7.00/Square Feet		\$31,144.75
23	Pedestrian Ramp with Landings: -3 Each at \$1,250.00/Each	\$3,750.00	
24	Block Sodding including watering & 4" topsoil: -200 Square Yards at \$4.00/Square Yard	\$800.00	
27	Restoration of Existing Items and Facilities, as Directed in Writing by The City: -0.196 Budget at \$25,000.00/Budget	\$4,901.87	
29	Replace & Reconnect Water Service Line (Long Side): -3 Each at \$1,500.00/Each	\$4,500.00	
32	Cut, Plug & Abandon Existing 6" - 12" Water Main: -5 Each at \$400.00/Each	\$2,000.00	
33	Fill Abandoned 6" - 12" Water Main with Flowable Fill: -1,591 Linear Feet at \$8.00/Linear Foot	\$12,728.00	
34	Remove & Salvage Existing Fire Hydrant: +1 Each at \$750.00/Each		\$750.00

35	Remove & Salvage Existing Valves, All Sizes: -14 Each at \$450.00/Each	\$6,300.00	
37	4" Gate Valve with Box: +1 Each at \$1,200.00/Each		\$1,200.00
39	8" Gate Valve with Box: -1 Each at 1,850.00/Each	\$1,850.00	
44	8" PVC (C 900) Water Line Complete in Place: -4 Linear Feet at \$68.50/Linear Foot	\$274.00	
45	Trenchless Construction of 8" Water Line. Pipe not included: -6 Linear Feet at \$150.00/Linear Foot	\$900.00	
46	10" PVC (C 900) Water Line, Complete in Place: -1 Linear Foot at \$95.00/Linear Foot	\$95.00	
50	Tie-in to Existing Lines (6" - 10") Wet Connection: +1 Each at \$1,000.00/Each		\$1,000.00
56	12" X 45° Bend: -4 Each at \$500.00/Each	\$2,000.00	
60	10" X 45° Bend: -2 Each at \$400.00/Each	\$800.00	
63	8"X8" Tee: -1 Each at \$400.00/Each	\$400.00	
64	8" X 6" Tee: +1 Each at \$350.00/Each		\$350.00
67	8" X 45° Bend: -10 Each at \$250.00/Each	\$2,500.00	
68	8" X 90° Bend: +1 Each at \$250.00/Each		\$250.00
70	8" Plug & Clamp: -1 Each at \$300.00/Each	\$300.00	
74	Trench Safety: -228 Linear Feet at \$1.00/Linear Foot	\$228.00	
75	Well Pointing: +353 Linear Feet at \$10.00/Linear Foot		\$3,530.00
76	Remove & Dispose Existing Sanitary Manhole: -1 Each at \$750.00/Each	\$750.00	
77	Sanitary Sewer Manhole, Complete in Place: -1 Each at \$7,250.00/Each	\$7,250.00	
78	Remove & Dispose Existing Sanitary Cleanout: +1 Each at \$600.00/Each		\$600.00

79	Sanitary Sewer Cleanout: +5 Each at \$1,120.00/Each		\$5,600.00
80	Rehabilitation of Existing Sanitary Sewer Manholes, Include Cleaning, Sealing, Surfacing, and Coating the Interior of the Manhole Along the Entire Depth with SpectraShield Multi-layer System or Approved Equal: -5 Vertical Feet at \$450.00/Vertical Foot	\$2,250.00	
81	Remove & Replace Service Line (Long Side): -1 Each at \$1,700.00/Each	\$1,700.00	
83	Additional Length for 6" Sanitary Sewer Service: +7 Linear Feet at \$60.00/Linear Feet		\$420.00
85	Remove & Dispose Existing Sanitary Sewer Line - All Sizes: -10 Linear Feet at \$8.00/Linear Foot	\$80.00	
86	6" PVC (SDR 26, D3034) San Sewer Line, Open Cut, All Depths, Complete in Place: +9 Linear Feet at \$60.00/Linear Foot		\$540.00
87	6" PVC (SDR 26, D3034) San Sewer Line, Trenchless, All Depths, Complete in Place: -98 Linear Feet at \$90.00/Linear Foot	\$8,820.00	
88	8" PVC (SDR 26, D3034) San Sewer Line, Open Cut, All Depths, Complete in Place: +55 Linear Feet at \$75.00/Linear Foot		\$4,125.00
89	8" Sanitary Sewer Rehabilitation by Pipe Bursting Method: +76 Linear Feet at \$70.00/ Linear Foot		\$5,320.00
90	TV Inspection of Existing Sanitary Sewer (All Sizes): -374 Linear Feet at \$4.00/Linear Foot	\$1,496.00	
91	TV Inspection of Sanitary Sewer after Installation (All Sizes): -157 Linear Feet at \$3.00/ Linear Foot	\$471.00	
92	Trench Safety: -144 Linear Feet at \$5.00/Linear Foot	\$720.00	
93	By-Pass Pumping (up to 100'), As Required: -3 Lump Sum at \$1,250.00/Lump Sum	\$3,750.00	
94	Additional Distance for By-Pass Pumping, As Required: -100 Linear Feet at \$6.00/Linear Foot	\$600.00	
95	Well Pointing: -2 Linear Feet at \$10.00/Linear Foot	\$20.00	
96	Remove & Dispose Existing Storm Pipe (All Sizes): -54 Linear Feet at \$10.00/Linear Foot	\$540.00	
97	Remove & Dispose Existing Inlet (All Types): +1 Each at \$500.00/Each		\$500.00

102	Core Existing Box Culvert for 24" RCP Connection: -6 Each at \$1,000.00/Each	\$6,000.00	
105	18" RCP, Complete in Place, Open Cut: -85 Linear Feet at \$85.00/Linear Feet	\$7,225.00	
107	30" RCP, Complete in Place, Open Cut: -23 Linear Feet at \$125.00/Linear Foot	\$2,875.00	
109	Type "H-2" Curb Inlet (All Depths): +1 Each at \$2,750.00/Each		\$2,750.00
112	Type "A" Inlet: +1 Each at \$2,250.00/Each		\$2,250.00
116	TV Inspection of Existing Storm Sewer (All Sizes): -689 Linear Feet at \$4.00/Linear Foot	\$2,756.00	
117	TV Inspection of Storm Sewer after Installation (All Sizes): -953 Linear Feet at \$4.00/Linear Foot	\$3,812.00	
118	Trench Safety: -184 Linear Feet at \$1.00/Linear Foot	\$184.00	
119	Well Pointing: -171 Linear Feet at \$10.00/Linear Foot	\$1,710.00	
120	Borrow, Complete in Place: -100 Cubic Yard at \$10.00/Cubic Yard	\$1,000.00	
121	8" Lime-Fly Ash Subgrade Manipulation: -100 Square Yards at \$5.00/Square Yard	\$500.00	
122	Lime Material - Hydrated, Commercial or Quick, Slurry or Dry (3%): -1 Ton at \$250.00/Ton	\$250.00	
123	Fly Ash Material (Class C) (8%): -3 Tons at \$150.00/Ton	\$450.00	
124	Cut and Restore Pavement (High Early Strength Concrete): -50 Square Yards at \$75.00/Square Yard	\$3,750.00	
125	Cut and Restore Pavement (ACP): -25 Square Yards at \$75.00/Square Yard	\$1,875.00	
126	6" Concrete Driveway and Alley, High Early Strength: -10 Square Yards at \$75.00/Square Yard	\$750.00	
127	7" Reinforced, Jointed, Concrete Pavement, High Early Strength: -46.34 Square Yards at \$75.00/Square Yard	\$3,475.50	
130	2" PVC (Sch 40) Water Line Complete in Place: -10 Linear Feet at \$50.00/Linear Foot	\$500.00	
132	Remove and Dispose of Existing 2" - 4" Water Main: -50 Linear Feet at \$10.00/Linear Foot	\$500.00	

133	Remove and Dispose of Existing 6" - 12" Water Main: -50 Linear Feet at \$15.00/Linear Foot	\$750.00	
134	Water Meter Installation (3/4"): -1 Each at \$500.00/Each	\$500.00	
135	Abandon & Fill (with Flowable Fill) Existing San Sewer Line - All Sizes: -50 Linear Feet at \$15.00/Linear Foot	\$750.00	
136	6" Sanitary Sewer Rehabilitation by Pipe Bursting Method: -20 Linear Feet at \$75.00/Linear Foot	\$1,500.00	
137	8" PVC (SDR 26, D3034) San Sewer Line, Trenchless, All Depths, Complete in Place: -20 Linear Feet at \$100.00/Linear Foot	\$2,000.00	
138	Storm Sewer / Sanitary Sewer Conflict Box (Small), Including 16" diam. Steel Casing, Complete in Place: -1 Each at \$2,500.00/Each	\$2,500.00	
139	Cut, Plug, and Abandon Exist Storm Pipe with 3-sack Flowable Fill (All Sizes): -20 Linear Feet at \$50.00/Linear Foot	\$1,000.00	
140	18" RCP, Complete in Place, Trenchless: -20 Linear Feet at \$125.00/Linear Foot	\$2,500.00	
141	24" RCP, Complete in Place, Trenchless: -20 Linear Feet at \$150.00/Linear Foot	\$3,000.00	
142	5" Slope Paving: -100 Square Feet at \$10.00/Square Feet	\$1,000.00	
143	Extra Labor (Skilled): -50 Man Hours at \$50.00/Man Hour	\$2,500.00	
144	Extra Labor (Unskilled): -50 Man Hours at \$25.00/Man Hour	\$1,250.00	
145	Extra Excavation (Hand): -100 Cubic Yards at \$10.00/Cubic Yard	\$1,000.00	
146	Extra Excavation (Machine): -15.89 Cubic Yards at \$10.00/Cubic Yard	\$158.90	
147	Extra Cement Stabilized Sand: -100 Cubic Yards at \$15.00/Cubic Yard	\$1,500.00	
148	Extra Concrete (Class A) With or Without Forms: -50 Cubic Yards at \$180.00/Cubic Yard	\$9,000.00	
149	Extra Ductile Iron Fitting, Complete in Place: -1 Ton at \$10,000.00/Ton	\$10,000.00	
150	Extra Reinforcing Steel: -100 Ponds at \$15.00/Pound	\$1,500.00	
151	Extra Fill Placement: -100 Cubic Yards at \$10.00/Cubic Yard	\$1,000.00	

159	16": DR 14 PVC Casing for 6" Sanitary Sewer Storm Conflict Manhole: -10 Linear Feet at \$150.00/Linear Foot	\$1,500.00	
160	Adjust Storm Sewer Manhole Top: -3 Each at \$800/Each	\$2,400.00	
161	8" Thick Brick Plug: -1 Each at \$1,000.00/Each	\$1,000.00	
162	13.5" X 22" RCAP: -3 Linear Feet at \$175.00/Linear Foot	\$525.00	
163	Tpe "C" Storm Conflict Manhole: -1 Each at \$4,500.00/Each	\$4,500.00	
170	4" X 2" Reducer: +1 Each at \$200.00/Each		\$200.00
172	Storm Sewer Failure Repair at STA 8+00: -0.5056 Lump Sum at \$20,000.00/Lump Sum	\$10,112.94	
<u>Change in Contract Price</u>		<u>Change in Contract Time (Calendar Days)</u>	
Original Contract Price: \$1,660,177.50		Original Contract Time: 330 days	
Previous Change Order(s): No. 1 to No. 3 \$231,545.97		Net Change From Previous Change Orders: +44 days	
Contract Price Prior to this Change Order: \$1,891,723.47		Contract Time Prior to this Change Order: 374 days	
Net Increase/Decrease of this Change Order: (\$82,255.99)		Net Increase/Decrease of this Change Order: 0 days	
Contract Price With all Approved Change Orders: \$1,809,467.48		Contract Time With all Change Orders: 374 days	
Cumulative Percent Change in Contract Price (+/-): +8.99%		Grantee Contract End Date: (mm/dd/yy) 12 / 31 / 2018	
Construction Contract Start Date: (mm/dd/yy) 03/15/17		Construction Contract End Date: (mm/dd/yy) 03/24/18	

Reimbursements of costs included in this change order are subject to review by the GLO-DR program.
*** This document may be executed prior to submission for GLO-DR program review, but all parties involved will be held responsible if the change order or the amendment warranted as a result of this change order is not in compliance with CDBG or HUD requirements.**

RECOMMENDED:

By: *John Costello*
ENGINEER
Costello, Inc.
Date: 12/20/17

APPROVED:

By: _____
OWNER
City of Galveston
Date: _____

ACCEPTED:

By: *James Conrad*
CONTRACTOR
Conrad Construction Company,
LTD
Date: 12.20.17

JUSTIFICATION FOR CHANGE

1. Will this Change Order increase or decrease the number of beneficiaries?	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input checked="" type="checkbox"/> No Change
If there is a change, how many beneficiaries will be affected?	Total _____ L/M _____		
2. Effect of this change on scope of work:	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input checked="" type="checkbox"/> No Change
3. Effect on operation and maintenance costs:	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input checked="" type="checkbox"/> No Change
4. Are all prices in the change order dependent upon unit prices found in the original bid?	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
If "No", explain:			
5. Has this change created new circumstances or environmental conditions which may affect the project's impact, such as concealed or unexpected conditions discovered during actual construction?	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No
If "Yes", is an Environmental Re-assessment required?			
6. Is the Texas Commission on Environmental Quality (TCEQ) clearance still valid? (if applicable)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
7. Is the TCEQ permit approval still valid? (sewer projects only)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
8. Are the handicapped access requirements/approval still valid? (if applicable)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
9. Are other Disaster Recovery contractual special condition clearance still valid?	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
(If no, specify):			

NOTE:

- * Generally, a cumulative change in the contract price in excess of 25% cannot be reviewed (18% **decrease** for counties).



December 20, 2017

Ross Blacketter, P.E.
Director of Capital Projects
City of Galveston
823 Rosenberg
Galveston, TX 77553

**RE: Saladia Avenue Reconstruction
Recommendation Letter – RFI 23/RFP 14 Quantity Overruns and Adjustments**

Dear Mr. Blacketter,

Conrad Construction Company, LTD. (Contractor) has submitted the above-mentioned proposals for a change order to be reviewed by Costello, Inc. (Engineer) and City staff regarding the above-mentioned project.

RFI 23/RFP 14:

Contract Additions:

Additional based material, Type "D" HMAC, concrete pavement for roadways/driveways, storm inlets, sanitary sewer pipe, and water line fittings were required to complete the project. A cost increase of \$98,461.32 is associated with the additional work.

Contract Deletions:

Unused contract items are to be "zeroed out" at the end of the project. A cost decrease of \$180,717.31 is associated with the work.

Costello, Inc. has reviewed RFI 23/RFP 14 submitted by the Contractor regarding the above-mentioned project and have no objections.

Sincerely,
COSTELLO, INC.

A handwritten signature in black ink, appearing to read "Joshua Netardus".

Joshua Netardus, P.E.
Project Engineer

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