



130161
To Mayor
11/4/13

10/22/13 13:55:05
000 - Procurement Division
10/22/13 14:52:10
007 - Procurement Division

October 17, 2013

MEMORANDUM

1940.13-1
JCF-0124-12

TO: James R. McCain, Jr.
Corporation Secretary/Assistant General Counsel

THROUGH: C. Ronald Belton, Assistant to the Mayor/Chief Financial Officer

FROM: Thomas G. McKnight *TGM*
Capital Improvement Construction Manager

SUBJECT: Plummer Grant Road Drainage Improvements
Contractor: J B Underground, Inc.
Contract No: 9600-07

Forwarded herewith for execution is Change Order No. 1 for subject project

Original Contract Amount.....	\$98,162.64 <i>D</i> \$96,162.64
Previous Change Order No. 0.....	\$0.00
Change Order No. 1.....	\$93,259.64
Total Revised Contract Amount.....	\$191,422.28
Account Number	See attached

This office recommends the Change Order be approved by your office, the Office of General Counsel, and Mayor Brown, in accordance with Executive Order No. 13-05.

- Attachments: 1. Change Order
2. Back-up Information
3. Legal Request Memorandum

TGM:lw

2013 OCT 18 PM 3:36

CHANGE ORDER TRACKING SHEET

Description of Project	Plummer Grant	
Change Order Number	1	PLEASE KEEP THIS FORM WITH THE ATTACHED CHANGE ORDER
Contract Number	9600-07	

	Action	Date Received	Date Signed	Date Forwarded	Signature	Days
1	Date Initiated	N/A	N/A	8/22		
1A						
2	Contractor Execution		9/5			
3	Construction Management	9/16	9/9	9/10		
4	Using Agency		9/11			
5	JEA (if applicable)					
6	City Engineer	9/13	9/16			
7	Director of Public Works	9/16	9/16 10/17			
8	Admin/Finance Clerk	10/18	10/21	10/21	BT	
9	Buyer					
10	Chief of Procurement					
11	Director Finance					
12	Asst. General Counsel					
13	CAO/Mayor					
14	Asst. General Counsel					
	Total Processing Days:					

Attention Change Order reviewers and signatories:

Please assist in expediting this change order by reviewing, signing, and forwarding immediately to the next step. Thank you in advance for your efforts to reduce contract change order processing times.

James M. Robinson, P.E.
Director of Public Works

CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
CONSTRUCTION CHANGE ORDER

Change Order No. One (1) Date August 19, 2013

Description of Project Plummer Grant Road Drive Drainage Improvements

Name of Contractor JB Underground, Inc.

Contractor's Address 17053 Oak Hill Road, Hilliard, FL 32046

Contract No. 9600-07

Account No. PWCP462SD-06505-PW0072-01 Original Contract \$98,162.64

+ Previous Change Order 0 0.00 + Change Order No. 1 \$93,259.64

*See attached appendix for additional listings.

Bid Number JCF-0124-12

	TOTAL REVISED CONTRACT	<u>\$191,422.28</u>
	Construction Completion Date	<u>5/31/13</u>
	Revised Construction Completion Date	<u>1/20/14</u>
	Contract Expiration Date	<u>9/28/13</u>
	Revised Contract Expiration Date	<u>5/20/14</u>

In compliance with General Conditions of above-referenced contract, CONTRACTOR and OWNER do both hereby agree that the CONTRACTOR shall make the following changes, additions or deletions to the Work specified in the plans and specifications: See attached. Add 234 non-compensable calendar days to construction completion and contract expiration dates.

Justification: See attached.

The Issuing Authority has looked over cost and pricing data for this change order and has determined that this change order is necessary and all costs are reasonable.

Accepted for Contractor JB Underground, Inc.

Signed Joseph S. Bayel Attest Ronnie V. Hodge

Title President Title Employee

Date 9/5/2013 Date 9/5/13

Signed Engineering & Construction Mgmt Div. By Thomas G. McKnight Date 9-9-13
Issuing Authority Capital Improvement Construction Manager

Signed Right of Way and Grounds Maintenance By James R. McCay Date 9/11/13
Using Division Div/Department Head

Chief, Engineering & Construction Mgmt Div. Date 9/16/13 Assistant Counsel Date 10-31

Director of Public Works Date 10/17/13 Mayor Karen Bowling Date 11/5/13

Chief of Procurement Date 10/23/13 Corporation Secretary James R. McCay Date 11-12-13

Director of Finance Date 10/30/13

Karen Bowling
 Chief Administrative Officer
 For: Mayor Alvin Brown
 Under Authority of:
 Executive Order No. 2013-04



**ADMINISTRATIVE AWARD
BID No.: JCF-0124-12**

DESCRIPTION OF GOODS/SERVICES:

Recommend approval of change order #1 to JB Underground for the Plummer Grant Road Improvement Project in the amount of \$93,259.64. Estimated amount of expenditure \$191,422.28.

Payment and performance bond requirements have been waived for this project.

This project to be executed by formal contract through Office of General Counsel. Funding source: PWCP328RD549-06505-PW0072-01

FOR AGENCY/DEPARTMENT: Public Works/Right of Way and Grounds Maintenance Division

REQUISITION NUMBERS: N/A

NUMBER FIRMS SOLICITED: 11 **NUMBER FIRMS BIDDING:** 7

REASON FOR LESS THAN REQUIRED MINIMUM SOLICITATION/QUOTATION:
N/A

RECOMMEND AWARD TO: JB Underground Inc.


CONCURRENCE BY: William J. Joyce, Chief, Engineering and Construction Management Division

PRICE: \$191,422.28

TERMS: NET 30

REASON FOR NOT ACCEPTING LOW BID: N/A

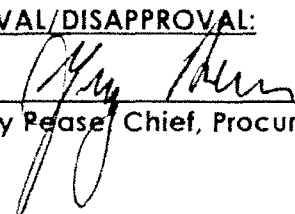

Buyer/Analyst


Manager of Purchasing Services

8/29/13
Date

8/29/2013
Date

APPROVAL/DISAPPROVAL:


Gregory Pease, Chief, Procurement Division

9/3/13
Date

NBR	MASTER ITEM DESCRIPTION	QUANTITY	UOM	UNIT COST	NET ADDITION	NET DELETION
DESIGN ERROR/OMISSION						
1	ITEM # DESCRIPTION					
	8. 42" PIPE	-179	LF	\$49.00		(\$8,771.00)
	9. 48" PIPE	-355	LF	\$76.00		(\$26,980.00)
NEW WORK ITEMS						
	34 X 53 ERCP	179	LF	\$162.91	\$29,160.89	
	38 X 60 ERCP	355	LF	\$178.45	\$63,349.75	
	RESTOCKING FOR 42" PIPE	80	LF	\$9.50	\$760.00	
	RESTOCKING FEE 48" PIPE	40	LF	\$6.50	\$260.00	
	MODIFY DRAINAGE BOXES	3	EA	\$550.00	\$1,650.00	
	REMOBILIZATION	1	LS	\$2,200.00	\$2,200.00	
	FILL DIRT PRICE INCREASE SINCE BID DATE OF 9/28/12	100	LD	\$40.00	\$4,000.00	
MILLING & RESURFACING CONTINGENCY- TO BE UTILIZED ONLY IF ROADWAY IS DAMAGED DURING PIPE INSTALLATION BECAUSE OF THE LARGER EQUIPMENT NECESSARY TO PERFORM THE CHANGE ORDER WORK						
	FLAG MEN FOR MILLING & RESURFACING	4	EA	\$250.00	\$1,000.00	
	BARRICADES & SIGNAGE	1	LS	\$1,000.00	\$1,000.00	
	MILLING & RESURFACING	500	SY	\$29.00	\$14,500.00	
	LIMEROCK SHOULDER REPAIRS	95	SY	\$32.00	\$3,040.00	
	ASPHALT PAVING 2" THICK	500	SY	\$16.00	\$8,000.00	
	6" THERMAL STRIPING	400	LF	\$12.40	\$4,960.00	
2	PORTION OF DESIGN ERROR/OMISSION TO BE PAID BY CONSULTANT	-1	LS	\$4,870.00		(\$4,870.00)
TOTAL DESIGN ERROR & OMISSION:						
SUBTOTAL CHANGE ORDER NO. 1					\$133,880.64	(\$40,621.00)
NET TOTAL CHANGE ORDER NO. 1					\$93,259.64	

NBR	MASTER ITEM DESCRIPTION	QUANTITY	UOM	UNIT COST	NET ADDITION	NET DELETION
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JUSTIFICATION: The project was designed for a choice of corrugated metal or HDPE round pipe. During the Contractor's initial site layout, it was determined that a key elevation was not correct - the invert of the existing structure to which the new pipe would connect. All other elevations were correct. The correct elevation was approximately one foot higher. If the contracted pipe system, as designed, was raised one foot, there would be insufficient or minimal cover over the pipe. Accordingly, during the redesign effort, the A/E determined that round pipe would not work. The size of the pipe necessary to carry the design stormwater load required very large pipe. Given that the entire system had to be raised over one foot, the only choice was to use elliptical pipe. Elliptical pipe for the size required is only available in concrete. The A/E redesigned the project to call for elliptical concrete pipe, the only choice that would permit the project to successfully pipe the ditch. If the correct elevation had been used, the same design decision would have been reached. Accordingly, the change order is offered to reflect the "First Cost", i.e. what the bid cost would have been if the project had been designed and bid without the survey error.

Change Order consideration should acknowledge the "Cost Avoidance" associated with this Change Order. Readvertisement costs will be avoided, approximately \$5,000.00. City costs necessary to terminate the existing contract (payment to the Contractor) would be avoided (lost profit, restocking fee, surveying effort, mobilization, site preparation, etc.), approximately \$10,000.00. Additionally, the consultant has incurred additional costs to redesign the project (that will not be reimbursed) that are not shown in this proposal.

PLUMMER GRANT ROAD DRAINAGE IMPROVEMENTS
PROPOSAL SCHEDULE / QUANTITY LIST

ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	TOTAL COST
PREPARATION FOR CONSTRUCTION AND MOT					
1	Site Preparation	1	LS	\$ 8400. ⁰⁰	\$ 8400. ⁰⁰
2	Mobilization	1	LS	\$ 7500. ⁰⁰	\$ 7500. ⁰⁰
3	Maintenance of Traffic	1	LS	\$ 500. ⁰⁰	\$ 500. ⁰⁰
DRAINAGE					
4	FDOT Type "H" Inlet (3-Grate)	3	EA	\$ 3733. ⁰⁰	\$ 11199. ⁰⁰
5	Concrete Endwall	1	EA	\$ 3669. ⁰⁰	\$ 3669. ⁰⁰
6	24" Concrete Mitered End Section	1	EA	\$ 1200. ⁰⁰	\$ 1200. ⁰⁰
7	24" PIPE	14	LF	\$ 36.00	\$ 504. ⁰⁰
8	42" PIPE	234	LF	\$ 49.00	\$ 11,466. ⁰⁰
9	48" PIPE	355	LF	\$ 76.00	\$ 26,980. ⁰⁰
10	Connect New Pipe to Existing Structure	1	EA	\$ 500. ⁰⁰	\$ 500. ⁰⁰
11	Connect Existing Pipe to New Structure	1	EA	\$ 800. ⁰⁰	\$ 800. ⁰⁰
12	4" Concrete Ditch Pavement	27	SY	\$ 98. ⁰⁰	\$ 2646. ⁰⁰
13	Construct New Slot on Existing Structure	1	EA	\$ 300. ⁰⁰	\$ 300. ⁰⁰
14	2.5 HDPE Drain Pipe Connection	1	LS	\$ 120. ⁰⁰	\$ 120. ⁰⁰
SITE AND EARTH WORK					
15	Regular Excavation and Fill	1	LS	\$ 10,000. ⁰⁰	\$ 10,000. ⁰⁰
16	Over Excavation (Contingency)	10	CY	\$ 15.00	\$ 150. ⁰⁰
17	A-3 Sand (Contingency)	20	CY	\$ 13.50	\$ 270. ⁰⁰
18	Ditch Grading	544	LF	\$ 2.50	\$ 1360. ⁰⁰
19	Sod (Bahia)	1014	SY	\$ 3.26	\$ 3305.64
20	5" Thick Concrete Driveway	57	SY	\$ 35.00	\$ 1995. ⁰⁰
21	Case X Pavement Repair	10	SY	\$ 39.00	\$ 1170. ⁰⁰
EROSION CONTROL, POLLUTION ABATEMENT AND PERMITTING					
22	Inlet Protection	4	EA	\$ 7.00	\$ 28. ⁰⁰
23	Temporary Sediment Basin	1	EA	\$ 100. ⁰⁰	\$ 100. ⁰⁰
AS-BUILTS					
24	As-Built's Production	1	LS	\$ 2000. ⁰⁰	\$ 2000. ⁰⁰
Total Base Bid:					\$ 98,162.64

ERCP UNIT COST CALCULATION

JB UNDERGROUND INC.
 PLUMMER GRANT ROADWAY DRAINAGE IMPROVEMENTS

Labor

Description	Quantity	Hourly Fee	Total	
Foreman (15 8-hour days)	120	\$30.38	\$3,645.60	
Pipe Layer (15 8-hour days)	120	\$17.01	\$2,041.20	
Tail Man (15 8-hour days)	120	\$17.01	\$2,041.20	
Laborer (15 8-hour days)	120	\$14.58	\$1,749.60	
Loader Operator (15 8-hour days)	120	\$17.01	\$2,041.20	
Excavator Operator (15 8-hour days)	120	\$17.01	\$2,041.20	
			\$0.00	
			<i>Subtotal</i>	\$13,560.00

*** 15% Mark-Up* *\$2,034.00*

Materials

Total Labor **\$15,594.00**

Description	Quantity	Weekly Rental Fee	Total	
350 EXCAVATOR MONTHLY RENTAL	1	\$10,811.28	\$10,811.28	
LOADER MONTHLY RENTAL	1	\$6,831.95	\$6,831.95	
			\$0.00	
			<i>Subtotal</i>	\$17,643.23

*** 15% Mark-Up* *\$2,646.48*

Subcontractors

Total Materials **\$20,289.71**

Description	Quantity	Hourly Fee	Total	
			\$0.00	
			<i>Subtotal</i>	\$0.00

10% Mark-Up *\$0.00*

Supplies

Total Subcontractors **\$0.00**

Description	Quantity	Unit Price	Total	
38X60 ERCP 355 LF Hanson Precast	355	\$83.03	\$29,475.65	
34X53 ERCP 179 LF Hanson Precast	179	\$67.49	\$12,080.71	
57 STONE 3 Loads	3	\$809.60	\$2,428.80	
WORK TRUCK/TOOLS per week	3	\$600.00	\$1,800.00	
Fuel (Half of 110 gal/day * 15 days)	825	\$4.19	\$3,456.75	
			<i>Subtotal</i>	\$49,241.91

*** 15% Mark-Up* *\$7,386.29*

Total Supplies **\$56,628.20**

Grand Total **\$92,511.91**

Per Paragraph 20.34.2.2 on Page 20-38 and 20-39 of the executed contract specifications for this project, "In the absence of applicable unit prices" ... The increase "amount shall be based on the CONTRACTOR'S cost for labor, materials and supplies directly applicable to the increase... plus 15 percent (15%) thereof for CONTRACTOR'S supervision, overhead, bonds and profit."

Unit Cost Calculation

Total Cost = \$92,111.54

Total Units= (179 If 34x53 ERCP) +(355 If 38x60 ERCP) = 534 If

Unit Cost Calculation

Total Cost = \$92,511.91 less (34x53 ERCP \$12,080.71 + 38x60 ERCP \$29,475.65) = \$50,955.55

Total Units = (179 lf 34x53 ERCP) + (355 lf 38x60 ERCP) = 534 lf

34x53 ERCP: 179/534 = 33.52% 38x60 ERCP: 355/534 = 66.48%

34x53 ERCP: (\$50,955.55 x 33.52%) + \$12,080.71 = \$29,161.01 or \$162.91 per lf

38x60 ERCP: (\$50,955.55 x 66.48%) + \$29,475.65 = \$63,350.90 or \$178.45 per lf

Check: \$29,161.01 + \$63,350.90 = \$92,511.91

**CVHANGE ORDER PROPOSAL
JB UNDERGROUND INC.**

PLUMMER GRANT ROADWAY DRAINAGE IMPROVEMENTS IMPROVEMENTS

BID NO.: JCF -0124-12

DATE: AUGt. 14, 2013

ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT COST	TOTAL COST
	ADDITIONAL COST INCREASE FOR FILL DIRT				
	ADDED UP CHARGE FOR FILL DIRT NEW PIT LOCATION	LD	100	\$40.00	\$4,000.00
				TOTAL	\$4,000.00



Date: July 9, 2013

To: J.B. Underground Inc.
17053 Oak Hill Road
Hilliard, FL 32046

Re: Dirt Quote for Plummer Creek

K.T. Carter Contracting Inc. provided a quote for fill dirt at \$120.00 per load for the project at Plummer Creek. We planned to use the excess fill dirt from a site close to this project and have kept it on reserve for J. B. Underground. As of August 1* it will increase from \$120.00 a load to \$160.00 per load as we will have to use other resources due supply and demand.

If you have any questions or require additional information, please do not hesitate to contract me at (904) 354-9999.

Sincerely,

A handwritten signature in cursive script that reads 'Genon Erdel'.

Genon Erdel

Estimator

K.T. Carter Contracting Inc.

1909 E. Beaver Street

Jacksonville, FL 32202

JB UNDERGROUND INC. PLUMMER GRANT ROADWAY DRAINAGE IMPROVEMENTS IMPROVEMENTS					
BID NO.: JCF -0124-12			BID DATE: sept. 28, 2012		
MILLING AND RESURFACING BACK UP/COST BREAKOUT: CONTEGENCY					
ITEM #	DESCRIPTION	UNITS	QUANTITY	UNIT COST	TOTAL COST
1	FLAG MEN FOR MILLING AND PAVING/ROAD REPAIRS	EA	4	\$250.00	\$1,000.00
2	BARECADES AND SIGHNS	LS	1	\$1,000.00	\$1,000.00
3	MILLING AND RESURFACING BACK UP/COST BREAKOUT	SY	500	\$29.00	\$14,500.00
4	LIMEROCK SHOULDER REPAIRS	SY	95	\$32.00	\$3,040.00
5	APSHALT PAVING 2" THICK	SY	500	\$16.00	\$8,000.00
5	6" THERMAL STRIPING	LF	400	\$12.40	\$4,960.00
TOTAL					\$32,500.00

PAVING CONTINGENCY

JB UNDERGROUND INC.
 PLUMMER GRANT ROADWAY DRAINAGE IMPROVEMENTS

Labor

Description	Quantity	Hourly Fee	Total	
FLAG MAN	40	\$6.25	\$250.00	
FLAG MAN	40	\$6.25	\$250.00	
FLAG MAN	40	\$6.25	\$250.00	
FLAG MAN	40	\$6.25	\$250.00	
			\$0.00	
			<i>Subtotal</i>	\$1,000.00

**** 15% Mark-Up** **\$150.00**

Materials

Total Labor \$1,150.00

Description	Quantity	Weekly Rental Fee	Total	
GRADER RENTAL	1	\$0.00	\$0.00	
			\$0.00	
			<i>Subtotal</i>	\$0.00

**** 15% Mark-Up** **\$0.00**

Subcontractors

Total Materials \$0.00

Description	Quantity	Hourly Fee	Total	
MILLING MACHINE	8	\$1,631.25	\$13,050.00	\$13,050.00
ASPHALT PAVING	8	\$900.00	\$7,200.00	\$7,200.00
6" THERMAL STRIPING	8	\$558.00	\$4,464.00	\$4,464.00
			<i>Subtotal</i>	\$24,714.00

10% Mark-Up \$2,471.40

Supplies

Total Subcontractors \$27,185.40

Description	Quantity	Unit Price	Total	
LIME ROCK	95	\$27.29	\$2,592.55	
BARRICADES/CONES	100	\$10.29	\$1,028.87	
			<i>Subtotal</i>	\$3,621.42

**** 15% Mark-Up** **\$543.21**

Total Supplies \$4,164.63

Grand Total **\$32,500.03**

** Per Paragraph 20.34.2.2 on Page 20-38 and 20-39 of the executed contract specifications for this project, "In the absence of applicable unit prices" ... The increase "amount shall be based on the CONTRACTOR'S cost for labor, materials and supplies directly applicable to the increase... **plus 15 percent (15%)** thereof for CONTRACTOR'S supervision, overhead, bonds and profit."



August 5, 2013

Frank R. Morrison, Jr., P.E.
COJ Dept. of Public Works
Rights-of-Way and Grounds Maintenance Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202

**RE: Plummer Grant Road Drainage Improvements
Change Order No. 1 - Agreement Letter
E&R Project No. 1885**

Frank,

The Contractor for the referenced project, JB Underground, Inc., has requested Change Order No. 1 from the City of Jacksonville in relation to the design change from round HDPE storm drains to elliptical RCP storm drains of the same size. This change in pipe shape and material was the result of a survey CADD deficiency that incorrectly labeled the invert of the existing project outfall. To account for the invert correction, the proposed drainage system was raised by approximately 1 ft, and the change to pipe shape and material was necessary in order to maintain proper pipe cover requirements. These design modifications are reflected in the plan revisions that were provided to the City dated April 15, 2013.

The Contractor will incur additional costs as a result of the plan revisions. The design surveyor, Atlantic Gulf Surveying Company, Inc. (AGS), has agreed to compensate the Contractor directly for pipe restocking fees, modifications to pre-fabricated drainage structures and remobilization costs associated with Change Order No. 1. These costs are reflected as Line Items C, D, E & F in the Cost Analysis performed by the Construction Administrator, Construction and Engineering Services Consultants, Inc. (CES). A copy of this analysis is attached as "Exhibit A". The change order total related to the four line items above is \$4,870.00.

Please consider this letter our formal agreement that AGS, as a member of the Eisman & Russo Team, will provide the compensation outlined above to JB Underground once the change order has been approved by the City.

Please let us know if you have further questions or concerns.

Sincerely,

EISMAN & RUSSO, INC.

Robert A. Kight, PE
Project Manager (E&R)

Charles P. Delcambre, P.S.M. 8-5-2013
Vice President (AGS)

Attachment

CC: File; H. Castellero; P. Delcambre

EXHIBIT A

PLUMMER GRANT ROAD DRAINAGE IMPROVEMENTS - Change from Round Pipe to Elliptical Pipe - Cost Analysis

Bid Item	Description	Revised Quantity	Estimated Quantity	Unit	Unit Cost	Extension	Credit to City	Increase to Contractor
8	42" Pipe		234	LF	\$ 49.00	\$ 11,466.00		
		55		LF	\$ 49.00	\$ 2,695.00		
							\$ 8,771.00	
9	48" Pipe		355	LF	\$ 76.00	\$ 26,980.00		
		0		LF	\$ 76.00	\$ 0.00		
							\$ 26,980.00	
Total Credits to City:							\$ 35,751.00	
Total Base Bid:							\$ 98,162.64	
Revised Total Base Bid after Deducting Credits to City:							\$ 62,411.64	
New Item	Description	Revised Quantity	Estimated Quantity	Unit	Unit Cost	Extension	Credit to City	Increase to Contractor
A	34 x 53 ERCP	184		LF	\$ 165.00	\$ 30,360.00		
B	38 x 60 ERCP	360		LF	\$ 177.00	\$ 63,720.00		
								\$ 94,080.00
C	Restocking Fee for 42" Plastic Pipe	80		LF	\$ 9.50	\$ 760.00		
D	Restocking Fee for 48" Plastic Pipe	40		LF	\$ 6.50	\$ 260.00		
								\$ 1,020.00
E	Modify Pre-Cast Drainage Structures	3		EA	\$ 550.00	\$ 1,650.00		
								\$ 1,650.00
F	Remobilization	1		LS	\$ 2,200.00	\$ 2,200.00		
								\$ 2,200.00
Total Increases Accrued to Contractor:							\$ 98,950.00	
Revised Total Base Bid after Deducting Credits to City:							\$ 62,411.64	
Revised Total Base Bid plus Total Increases Accrued to Contractor:							\$ 161,361.64	
G	Case X Pavement Repair (Contingency)		500	SY	\$ 65.00	\$ 32,500.00		\$ 32,500.00
Revised Total Base Bid plus Total Increases Accrued to Contractor plus Pavement Repair Contingency:							\$ 193,861.64	