

16 NOV 16 PM 3:13

**CHANGE ORDER APPROVAL FORM**

PROJECT: CR115A Bridge over Little St Mary's CHANGE ORDER: \_\_\_\_\_

DATE: 11/10/16

CONTRACT NUMBER: CM2329

TO CONTRACTOR: Hal Jones Contractor, Inc.

Reason for Change Order: During the concrete removal and demo for the new end posts, a void area was discovered under the south approach slab (End Bent-1). The cost is to fill the existing void area with flowable fill to remove a safety hazard.

Original Contract Sum.....	\$	<u>390,950.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>390,950.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>3,371.22</u>
New Contract Sum Including this Change Order.....	\$	<u>394,321.22</u>

The contract for substantial completion will be (increased) (decreased) (unchanged) by 0 days;  
Substantial Completion: 12/06/16; Final Completion: 01/05/17

APPROVED BY: [Signature] DATE: 11/12/16  
Project Manager (Department Head)

APPROVED BY: [Signature] DATE: 11/16/16  
Procurement Manager

APPROVED BY: [Signature] DATE: 11/21/16  
Director of Office of Management & Budget

APPROVED BY: [Signature] DATE: 11/22/16  
County Manager

ACCOUNT NO.: 63470541-563100 BRIDG

CHANGE ORDER REQUEST FORM

CR 115A Bridge Over Little St. Mary's River

No. B

PROJECT

DATE OF ISSUANCE: August 9, 2016

EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract No.: CM 2329

CONTRACTOR: Hal Jones Contractors, Inc.

ENGINEER / ARCHITECT: Civil Services, Inc.

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

Description: Fill Existing Void with Flowable Fill to remove safety hazard.

Reason for Change Order: During the concrete removal and demo for the new end posts, a void area was discovered under the south approach slab (End Bent-1).

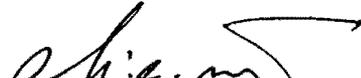
Attachments: (List documents supporting change): Email Correspondence, Civil Services, Inc., Hal Jones Contractors, Inc. e-mail cost proposal, ETM Cost Breakdown w/back up.

<p>CHANGE IN CONTRACT PRICE:</p> <p>Original Contract Price</p> <p>\$ <u>390,950.00</u></p>	<p>CHANGE IN CONTRACT TIMES:</p> <p>Original Contract Times</p> <p>Substantial Completion: <u>90 Days</u></p> <p>Ready for Final Payment: <u>120 Days</u> (days or dates)</p>
<p>Net change from previous Change Orders No. <u>  </u> to No. <u>A</u></p> <p>\$ <u>0.00</u></p>	<p>Net change from previous Change Orders No. <u>  </u> to No. <u>A</u></p> <p><u>47</u> (days)</p>
<p>Contract Price prior to this Change Order</p> <p>\$ <u>390,950.00</u></p>	<p>Contract Times Prior to this Change Order</p> <p>Substantial Completion: <u>137 Days</u></p> <p>Ready for Final Payment: <u>167 Days</u> (days or dates)</p>
<p>Net Increase (decrease) of this Change Order</p> <p>\$ <u>3,371.22</u></p>	<p>Net Increase (decrease) of this Change Order</p> <p><u>0</u> (days)</p>
<p>Contract Price with all approved Change Orders</p> <p>\$ <u>394,321.22</u></p>	<p>Contract Times with all approved Change Orders</p> <p>Substantial Completion: <u>137 Days</u></p> <p>Ready for Final Payment: <u>167 Days</u> (days or dates)</p>

RECOMMENDED:

APPROVED:

ACCEPTED:

By:   
Engineer/Architect (Authorized Signature)

By:   
COUNTY (Authorized Signature)

By:   
Contractor (Authorized Signature)

Date: 11/10/16

Date: 11/22/16

Date: 11/10/16

**ENGINEER'S COST ESTIMATE FOR  
INCREASE, DECREASE OR ALTERATION IN THE WORK**

FIN#: \_\_\_\_\_ Contract #: CM2329 Fed Proj. #: \_\_\_\_\_  
 Point of Contact (Name/Phone #): Greg Tolbert 355-5885  
 Email Address: gtolbert@hjonessinc.com  
 Estimate Prepared By: Greg Tolbert 355-5885  
 Company: Hal Jones Contractor, Inc.

*Greg Tolbert* \_\_\_\_\_ Date October 17th, 2016  
 Signature \_\_\_\_\_

\*\*\*\*\*  
**INSTALL FLOWABLE FILL**

**CONTRACTOR**

a) LABOR and BURDEN	\$ 1 149,12
b) MATERIALS AND SUPPLIES	\$ 470,00
c) EQUIPMENT	\$ 1 250,00
d) INDIRECT COST, EXPENSES, AND PROFIT	\$ -
	<u>\$ 2 869,12</u>

**SUB-CONTRACTOR**

a) LABOR and BURDEN	\$ -
b) MATERIALS AND SUPPLIES	\$ -
c) EQUIPMENT	\$ -
d) INDIRECT COST, EXPENSES, AND PROFIT	\$ -
	<u>\$ -</u>

TOTAL COST OF INCREASE, DECREASE OR ALTERATION IN THE WORK \$ 2 869,12

d) INDIRECT COST, EXPENSES, AND PROFIT (1) or (2), whichever is greater)

(1) 17.5% of the sum of a), b), & c) above:	\$ 502,10
(1)(i) BOND: For any additional bond for the additional or unforeseen work, the Contractor shall provide clear and convincing proof that the bond has actually been provided and paid for a separate bond premium for such additional or unforeseen work.	
(1)(ii) SUBCONTRACTOR MARKUP:	
Subcontractor Cost for Extra Work:	\$ -
First \$50,000      10%	\$ -
Over \$50,000     5%	\$ -
	<u>\$ 3 371,22</u>

(2) Average overhead per day:

A	Original Contract Time	167
B	Original Contract Amount	\$ 390 950,00
C	8%	
D =	$\frac{B \times C}{A}$	
Calendar days of entitlement that are in excess of the first 10 cumulative entitlement		0
		<u>\$ -</u>

**GRAND TOTAL INDIRECT COST, EXPENSES, AND PROFIT** \$ 3 371,22  
**REVISED CONTRACT AMOUNT TO DATE** \$ 394 321,22

CR 115A NASSAU COUNTY  
 Contract No. CM2329

**ATTACHMENT B  
 LABOR**

HJC		REG HOURS	REG PAY	TOTAL REG PAY	OT HOURS	OT PAY	TOTAL OT PAY	TOTAL	LABOR BURDEN TOTAL	GRAND TOTAL
SCOTTY WORKMAN	SUPERINTENDENT	4	\$ 42,50	\$ 170,00		\$ 63,75	\$ -	\$ 170,00	\$ 74,80	\$ 244,80
RONALD RICE	OPERATOR	4	\$ 25,50	\$ 102,00		\$ 38,25	\$ -	\$ 102,00	\$ 44,88	\$ 146,88
THOMAS COX	FOREMAN	4	\$ 26,50	\$ 106,00		\$ 39,75	\$ -	\$ 106,00	\$ 46,64	\$ 152,64
GRADY GIBBONS	PILE DRIVER/CARPENTER	4	\$ 21,75	\$ 87,00		\$ 32,63	\$ -	\$ 87,00	\$ 38,28	\$ 125,28
BEN ROSIER	PILE DRIVER/WELDER	4	\$ 21,75	\$ 87,00		\$ 32,63	\$ -	\$ 87,00	\$ 38,28	\$ 125,28
CHRIS MYERS	LABORER	4	\$ 14,00	\$ 56,00		\$ 21,00	\$ -	\$ 56,00	\$ 24,64	\$ 80,64
ROBBIE BECK	PILE DRIVER/CARPENTER	4	\$ 23,00	\$ 92,00		\$ 34,50	\$ -	\$ 92,00	\$ 40,48	\$ 132,48
GENE PHILLIPS	FOREMAN	4	\$ 24,50	\$ 98,00		\$ 36,75	\$ -	\$ 98,00	\$ 43,12	\$ 141,12
										\$ 1 149,12

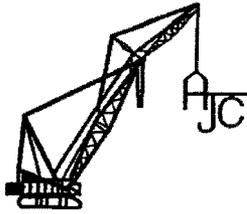
**Engineer's Estimate: Fill Existing Void w/ Flowable Fill**

Description	Est. Add'l. Qnty.	Unit	Est. Unit Cost	Total Price
Flowable Fill	5.00	CY	\$ 110.45	\$ 552.25
Concrete Portable Pump (includes use & travel times from Rental Agency)	8.00	HR	\$ 118.75	\$ 950.00
Superintendent	4.00	HR	\$ 55.83	\$ 223.32
Foreman (2 @ 4 hours Each)	8.00	HR	\$ 43.27	\$ 346.16
Operator	4.00	HR	\$ 31.09	\$ 124.36
Pile Driver/Carpenter (2 @ 4 hours Each)	8.00	HR	\$ 34.47	\$ 275.76
Pile Driver/Welder	4.00	HR	\$ 52.55	\$ 210.20
Laborer	4.00	HR	\$ 22.25	\$ 89.00
<b>SubTotal</b>				<b>\$ 2,771.05</b>
Add 17.5% Allowable Mark-Up	2771.05	\$	\$ 0.175	\$ 484.93

**Estimate Total = \$ 3,255.98**

By:   
 Kent Ponder, P.E.

Date: 10-18-16



CGC013772

# HAL JONES CONTRACTOR, INC.

720 Talleyrand Avenue  
Jacksonville, FL 32202  
P.O. Box 3257 Jax. FL 32206

Phone 904-355-5885  
Facsimile 904-355-7648  
website haljonescontractor.com

Hal L. Jones, Jr.  
Dennis E. Harrison  
Paul C. Kirkland  
Glenn C. Speicher  
Hal L. Jones, III

October 19, 2016

Kent A. Ponder  
England-Thims & Miller, Inc.  
463688 State Road 200, Unit 7  
Yulee, Florida 32097

Re: Nassau County Bridge on CR 115A

Subject: Employee Burden Costs

Dear Mr. Ponder:

The employee burden costs associated with the above referenced job are as follows.

<b>Government Regulated Costs</b>	
Social Security	6.20%
Medicare	1.45%
Federal Unemployment	0.80%
State of Florida Unemployment	1.65%
<b>OSHA/Insurance Regulated Costs</b>	
Work Comp Marine-Code 6004	16.32%
Liability Insurance	6.50%
<b>Company Benefits</b>	
Vacation / Holiday / Health Insurance / Dental / Retirement / Life Insurance / Disability Insurance	12.10%
<b>Total Burden Rate on Base Pay</b>	<b>45.02%</b>

Please feel free to contact me if you have any questions on this information.

Sincerely,

HAL JONES CONTRACTOR, INC.

Scott R. Bates  
Treasurer

SRB:sas



Florida Roads Materials, LLC  
10439 Alta Drive  
Jacksonville, FL 32226  
Phone: 904-714-1717  
Fax: 904-714-3661

Customer: Hal Jones

October 17, 2016

Project: Various

Location: Jacksonville

Attention: Greg Tolbert

Thank you for the opportunity to supply your company with ready mix concrete.

Your prices are as follows:

Pumpable Flow Fill \$ 88.00cy

Fuel Surcharge \$ 30.00 truck

Price good until Jan. 1, 2017

Thank You,

Donnie Wynn  
Cell phone 219-6284

Dispatch 714-1717 ext. 1

$$\begin{array}{r} 5 \text{ cy @ } \$88^{\infty} = \$440^{\infty} \\ \text{Fuel charge} \quad + \$30^{\infty} \\ \hline \$470^{\infty} \\ \text{Allowed MARK-up} = 7.5\% \\ \therefore \$470^{\infty} (1.175) = \$552.25 \\ \hline \div 5 \text{ cy} \\ \hline = 110.45/\text{cy} \\ \text{(a)} \end{array}$$

We at Florida Roads Materials want to assure you we will work hard to save you time and money on the single most important job of all, yours!

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## CONCRETE PUMP RENTAL TO RENT OR BUY A PUMP TRUCK

Concrete pump rental is quite common for concrete contractors that place concrete everyday, but how often you rent a concrete pump truck may determine if it's time to buy a concrete pump truck.

Renting a concrete pump truck is really quite easy. There are many equipment rental companies who offer smaller concrete pump rentals for the contractor who wants to pump the concrete himself. For most contractors and homeowners it's much easier to rent the concrete pumping equipment from a business that owns their own concrete pump truck with a trained concrete pump operator.

When I need to rent a pump truck, I have 4 local concrete pumping companies I can call. I just call and tell them when I'm pouring and what time of day. If that works for their schedule they schedule me in, if they are busy I just call another pumping company until I find one that works best for my schedule.

When I rent a concrete boom pump truck, the rate is usually \$800.00 dollars for the first 4 hours and \$100.00 dollars an hour after that. When I rent a concrete trailer pump the rate is \$550.00 dollars for the first 4 hours and \$100.00 dollars an hour after that. Both those rates include a trained concrete pump operator.

### DECIDING TO CONTINUE WITH CONCRETE PUMP RENTALS OR PURCHASE A CONCRETE PUMP TRUCK

For those contractors who pump a lot of concrete, the cost of the concrete pump rental can really start to add up. Eventually, after figuring out what you're spending on renting a concrete pump, it may be a better investment to purchase a new or used concrete pump.

The cost of renting isn't the only factor a contractor should consider, the volume of work you do in a year should also be an important consideration. If you're doing 200 - 300 jobs a year and you need a pump truck for half those jobs, it might make sense to have your own concrete pump.

Lost time and labor expense while you wait for someone else's pump truck to show up is another consideration to think about. If you've been in the concrete business, you know delays happen from time to time. Waiting 2 or 3 hours with a crew of men standing around, significantly adds to the cost of renting the concrete pump.

### ADVANTAGES OF OWNING YOUR OWN CONCRETE PUMP TRUCK

1. Don't have to rely on someone else, the concrete pump is there when you need it.
2. It's easier to coordinate with the concrete company what time you want concrete to show up.
3. Scheduling multiple jobs, back to back, with no wait time means big savings on labor cost.
4. Makes your company more efficient, you can place concrete faster.
5. Less site preparation is needed, saving time and money.
6. Can rent your pump out to others when you don't need it and make money.
7. Creates a tax depreciation expense

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That's us Pumping a slab!

4 hrs @ \$550.00 = \$550.00  
 4 hrs @ \$100.00 = \$400.00  


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 1 Day = \$950.00  
 8 hrs = \$118.75/hr

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## Occupational Employment and Wages, May 2015 *Superintendent* 47-1011 First-Line Supervisors of Construction Trades and Extraction Workers

Directly supervise and coordinate activities of construction or extraction workers.

*BURDEN RATE = 45.02%*

- [National estimates for this occupation](#)
- [Industry profile for this occupation](#)
- [Geographic profile for this occupation](#)

*38.50 (1.4502) = \$55.83*

**National estimates for this occupation: Top**

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
517,560	0.6 %	\$32.13	\$66,820	0.2 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$18.75	\$23.52	\$29.84	\$38.50	\$48.58
Annual Wage (2)	\$39,000	\$48,920	\$62,070	\$80,080	\$101,040

**Industry profile for this occupation: Top**

Industries with the highest published employment and wages for this occupation are provided. For a list of all industries with employment in this occupation, see the [Create Customized Tables](#) function.

Industries with the highest levels of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Nonresidential Building Construction</a>	82,440	11.39	\$33.54	\$69,770
<a href="#">Building Equipment Contractors</a>	65,830	3.47	\$34.11	\$70,940
<a href="#">Residential Building Construction</a>	58,620	8.61	\$30.15	\$62,710
<a href="#">Foundation, Structure, and Building Exterior Contractors</a>	46,210	5.79	\$29.19	\$60,720
<a href="#">Other Specialty Trade Contractors</a>	34,540	5.58	\$29.53	\$61,430

Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Nonresidential Building Construction</a>	82,440	11.39	\$33.54	\$69,770
<a href="#">Residential Building Construction</a>	58,620	8.61	\$30.15	\$62,710
<a href="#">Highway, Street, and Bridge Construction</a>	25,210	7.96	\$32.56	\$67,720
<a href="#">Other Heavy and Civil Engineering Construction</a>	7,490	6.83	\$31.81	\$66,170
<a href="#">Utility System Construction</a>	32,240	6.69	\$31.38	\$65,260

Top paying industries for this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Basic Chemical Manufacturing</a>	40	0.02	\$50.12	\$104,240
<a href="#">Oil and Gas Extraction</a>	5,780	2.98	\$47.60	\$99,000
<a href="#">Scientific Research and Development Services</a>	220	0.03	\$44.89	\$93,380
<a href="#">Petroleum and Petroleum Products Merchant Wholesalers</a>	(8)	(8)	\$44.69	\$92,960
	50	0.02	\$41.69	\$86,720

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## Occupational Employment and Wages, May 2015 *FOREMAN* 47-1011 First-Line Supervisors of Construction Trades and Extraction Workers

Directly supervise and coordinate activities of construction or extraction workers.

*BURDEN RATE = 45.02%*

[National estimates for this occupation](#)  
[Industry profile for this occupation](#)  
[Geographic profile for this occupation](#)

*29.84 (1.4502) = \$ 43.27*

### National estimates for this occupation: [Top](#)

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
517,560	0.6 %	\$32.13	\$66,820	0.2 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$18.75	\$23.52	\$29.84	\$38.50	\$48.58
Annual Wage (2)	\$39,000	\$48,920	\$62,070	\$80,080	\$101,040

### Industry profile for this occupation: [Top](#)

Industries with the highest published employment and wages for this occupation are provided. For a list of all industries with employment in this occupation, see the [Create Customized Tables](#) function.

Industries with the highest levels of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
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<a href="#">Other Specialty Trade Contractors</a>	34,540	5.58	\$29.53	\$61,430

Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
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Top paying industries for this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
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<a href="#">Scientific Research and Development Services</a>	220	0.03	\$44.89	\$93,380
<a href="#">Petroleum and Petroleum Products Merchant Wholesalers</a>	(8)	(8)	\$44.69	\$92,960
	50	0.02	\$41.69	\$86,720

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## Occupational Employment and Wages, May 2015

### 47-2073 Operating Engineers and Other Construction Equipment Operators

Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other duties. Excludes "Crane and Tower Operators" (53-7021) and "Extraction Workers" (47-5000).

*BURDEN RATE = 45.02 %*

*21.44(1.4502) = \$ 31.09*

- [National estimates for this occupation](#)
- [Industry profile for this occupation](#)
- [Geographic profile for this occupation](#)

**National estimates for this occupation: [Top](#)**

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
355,140	0.8 %	\$23.61	\$49,110	0.3 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$13.93	\$16.80	\$21.44	\$28.73	\$37.25
Annual Wage (2)	\$28,980	\$34,950	\$44,600	\$59,760	\$77,490

**Industry profile for this occupation: [Top](#)**

Industries with the highest published employment and wages for this occupation are provided. For a list of all industries with employment in this occupation, see the [Create Customized Tables](#) function.

Industries with the highest levels of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Specialty Trade Contractors</a>	87,340	14.11	\$23.37	\$48,620
<a href="#">Local Government (OES Designation)</a>	48,500	0.91	\$20.64	\$42,930
<a href="#">Utility System Construction</a>	47,660	9.89	\$24.96	\$51,910
<a href="#">Highway, Street, and Bridge Construction</a>	43,840	13.84	\$26.36	\$54,840
<a href="#">Nonresidential Building Construction</a>	15,810	2.18	\$25.31	\$52,650

Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Specialty Trade Contractors</a>	87,340	14.11	\$23.37	\$48,620
<a href="#">Highway, Street, and Bridge Construction</a>	43,840	13.84	\$26.36	\$54,840
<a href="#">Other Heavy and Civil Engineering Construction</a>	13,510	12.32	\$24.78	\$51,530
<a href="#">Coal Mining</a>	8,220	11.83	\$25.70	\$53,450
<a href="#">Nonmetallic Mineral Mining and Quarrying</a>	10,470	11.32	\$21.17	\$44,030

Top paying industries for this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">General Medical and Surgical Hospitals</a>	100	(7)	\$32.79	\$68,200
<a href="#">Building Finishing Contractors</a>	240	0.03	\$31.60	\$65,720
<a href="#">Other Pipeline Transportation</a>	30	0.40	\$30.05	\$62,500

# Occupational Employment Statistics

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## Occupational Employment and Wages, May 2015

### 47-2072 Pile-Driver Operators / *Carpenter*

Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and foundations of structures, such as buildings, bridges, and piers.

*BURDEN RATE = 45.02%*  
*23.77 (1.4502) = \$34.47*

- [National estimates for this occupation](#)
- [Industry profile for this occupation](#)
- [Geographic profile for this occupation](#)

#### National estimates for this occupation: [Top](#)

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
3,670	7.2 %	\$26.51	\$55,150	2.6 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$13.66	\$17.33	\$23.77	\$36.24	\$44.58
Annual Wage (2)	\$28,400	\$36,050	\$49,430	\$75,370	\$92,720

#### Industry profile for this occupation: [Top](#)

Industries with the highest published employment and wages for this occupation are provided. For a list of all industries with employment in this occupation, see the [Create Customized Tables](#) function.

Industries with the highest levels of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Heavy and Civil Engineering Construction</a>	1,110	1.01	\$30.55	\$63,540
<a href="#">Highway, Street, and Bridge Construction</a>	930	0.29	\$23.88	\$49,670
<a href="#">Utility System Construction</a>	640	0.13	\$25.02	\$52,040
<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870

Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Heavy and Civil Engineering Construction</a>	1,110	1.01	\$30.55	\$63,540
<a href="#">Highway, Street, and Bridge Construction</a>	930	0.29	\$23.88	\$49,670
<a href="#">Utility System Construction</a>	640	0.13	\$25.02	\$52,040
<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870

Top paying industries for this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Local Government (OES Designation)</a>	60	(7)	\$31.18	\$64,850
<a href="#">Other Heavy and Civil Engineering Construction</a>	1,110	1.01	\$30.55	\$63,540
<a href="#">Foundation, Structure, and Building Exterior Contractors</a>	(8)	(8)	\$27.03	\$56,220
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870
<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490

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## Occupational Employment and Wages, May 2015

### 47-2072 Pile-Driver Operators / WELDER

Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and foundations of structures, such as buildings, bridges, and piers.

*BURDEN RATE = 45.02%*

- [National estimates for this occupation](#)
- [Industry profile for this occupation](#)
- [Geographic profile for this occupation](#)

*36.24 (1.4502) = \$52.55*

#### National estimates for this occupation: [Top](#)

Employment estimate and mean wage estimates for this occupation:

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#### Industry profile for this occupation: [Top](#)

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<a href="#">Utility System Construction</a>	640	0.13	\$25.02	\$52,040
<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870

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Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Heavy and Civil Engineering Construction</a>	1,110	1.01	\$30.55	\$63,540
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<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870

Top paying industries for this occupation:

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<a href="#">Foundation, Structure, and Building Exterior Contractors</a>	(8)	(8)	\$27.03	\$56,220
<a href="#">Nonresidential Building Construction</a>	150	0.02	\$25.42	\$52,870
<a href="#">Other Specialty Trade Contractors</a>	530	0.09	\$25.24	\$52,490

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## Occupational Employment and Wages, May 2015

### 47-2061 Construction Laborers

Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, and clean up rubble, debris and other waste materials. May assist other craft workers. Construction laborers who primarily assist a particular craft worker are classified under "Helpers, Construction Trades" (47-3010). Excludes "Hazardous Materials Removal Workers" (47-4041).

- [National estimates for this occupation](#)
- [Industry profile for this occupation](#)
- [Geographic profile for this occupation](#)

*BURDEN RATE = 45.02%*  
 $15.34 (1.4502) = \$ 22.25$

National estimates for this occupation: [Top](#)

Employment estimate and mean wage estimates for this occupation:

Employment (1)	Employment RSE (3)	Mean hourly wage	Mean annual wage (2)	Wage RSE (3)
887,580	0.8 %	\$17.57	\$36,550	0.3 %

Percentile wage estimates for this occupation:

Percentile	10%	25%	50% (Median)	75%	90%
Hourly Wage	\$9.92	\$12.20	\$15.34	\$20.80	\$29.36
Annual Wage (2)	\$20,640	\$25,380	\$31,910	\$43,260	\$61,070

Industry profile for this occupation: [Top](#)

Industries with the highest published employment and wages for this occupation are provided. For a list of all industries with employment in this occupation, see the [Create Customized Tables](#) function.

Industries with the highest levels of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Other Specialty Trade Contractors</a>	143,960	23.25	\$17.69	\$36,790
<a href="#">Residential Building Construction</a>	108,340	15.92	\$16.02	\$33,320
<a href="#">Nonresidential Building Construction</a>	107,470	14.84	\$18.85	\$39,210
<a href="#">Foundation, Structure, and Building Exterior Contractors</a>	101,110	12.67	\$17.34	\$36,060
<a href="#">Utility System Construction</a>	95,490	19.82	\$17.89	\$37,200

Industries with the highest concentration of employment in this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Highway, Street, and Bridge Construction</a>	77,670	24.52	\$20.29	\$42,200
<a href="#">Other Specialty Trade Contractors</a>	143,960	23.25	\$17.69	\$36,790
<a href="#">Other Heavy and Civil Engineering Construction</a>	22,580	20.60	\$18.59	\$38,660
<a href="#">Utility System Construction</a>	95,490	19.82	\$17.89	\$37,200
<a href="#">Residential Building Construction</a>	108,340	15.92	\$16.02	\$33,320

Top paying Industries for this occupation:

Industry	Employment (1)	Percent of industry employment	Hourly mean wage	Annual mean wage (2)
<a href="#">Petroleum and Petroleum Products Merchant Wholesalers</a>	(8)	(8)	\$28.81	\$59,920

## Kent Ponder

---

**From:** Ali Najafi [anajafi@civilservicesinc.com]  
**Sent:** Tuesday, September 27, 2016 4:33 PM  
**To:** Becky Bray; Kent Ponder  
**Cc:** Josephine Craver; Christopher Morse; Fares Tannous  
**Subject:** RE: Undermined area of South approach Slab at SW corner of End Bent 1

Becky/Kent,

We recommend to fill the hole with flow able fill or non-structural concrete and check the price to see which one is more economical.

Sincerely,

Ali A. Najafi, P.E.

### **CIVIL SERVICES, INC.**

2394 St. Johns Bluff Road, S.  
Jacksonville, FL 32246  
904-309-8593 Direct  
904-641-1834 Ext. 203 Office  
904-591-3589 Cell  
904-645-0057 Fax  
[anajafi@civilservicesinc.com](mailto:anajafi@civilservicesinc.com)  
[www.civilservicesinc.com](http://www.civilservicesinc.com)

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**From:** Becky Bray [mailto:bbray@nassaucountyfl.com]  
**Sent:** Tuesday, September 27, 2016 2:56 PM  
**To:** Ali Najafi; Kent Ponder  
**Cc:** Josephine Craver  
**Subject:** Re: Undermined area of South approach Slab at SW corner of End Bent 1

Ali,

I need an actual recommendation that you and Fares agree on that is appropriate for this situation.

Thank you,

Please note that Engineering Services has a new telephone number: (904)530-6225

Becky Hiers-Bray, P.E.  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone

(904) 491-3611 Fax  
[bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)

---

**From:** Ali Najafi <[anajafi@civilservicesinc.com](mailto:anajafi@civilservicesinc.com)>  
**Sent:** Tuesday, September 27, 2016 1:07:38 PM  
**To:** Kent Ponder  
**Cc:** Becky Bray; Josephine Craver  
**Subject:** RE: Undermined area of South approach Slab at SW corner of End Bent 1

Kent,

We have no objection if Nassau County wants to fill the hole with concrete.

Sincerely,

Ali A. Najafi, P.E.

CIVIL SERVICES, INC.  
2394 St. Johns Bluff Road, S.  
Jacksonville, FL 32246  
904-309-8593 Direct  
904-641-1834 Ext. 203 Office  
904-591-3589 Cell  
904-645-0057 Fax  
[anajafi@civilservicesinc.com](mailto:anajafi@civilservicesinc.com)  
[www.civilservicesinc.com](http://www.civilservicesinc.com)

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-----Original Message-----

**From:** Kent Ponder [<mailto:PonderK@etminc.com>]  
**Sent:** Tuesday, September 27, 2016 12:11 PM  
**To:** Ali Najafi  
**Cc:** Hiers-Bray Becky; Craver Josephine  
**Subject:** Fwd: Undermined area of South approach Slab at SW corner of End Bent 1

Ali/Becky

Take a look at Kens email and speak with Becky on the need to address this. Sometimes the EOR says no big deal because it bridges over and other times they want to flow fill.

Thanks,

Kent A. Ponder, P.E.  
Shareholder / Sr. Project Engineer

463688 State Road 200, Unit 7  
Yulee Florida 32097-0301

Direct: 904-265-3151  
Fax: 904-646-9485

Cell: 904-497-8891  
Email: PonderK@etminc.com<<mailto:PonderK@etminc.com>>

Sent from my iPhone

Begin forwarded message:

From: "Ken Bowen" <[BowenK@etminc.com](mailto:BowenK@etminc.com)<<mailto:BowenK@etminc.com>>>  
To: "Kent Ponder" <[PonderK@etminc.com](mailto:PonderK@etminc.com)<<mailto:PonderK@etminc.com>>>  
Subject: Undermined area of South approach Slab at SW corner of End Bent 1

Kent -

The following was noted during the concrete removal and demo for the new end post at the SW corner of the BR#740068. The county may want to perform some type of maintenance on this area while it is open. Now would be a good time to address it.

It has been documented in yesterday's DWR

NOTE: At End Bent-1 at the SW corner of the structure, a void area was discovered under the south approach slab. The void could be penetrated and an approximate size was noted to be 90" across the back side of the cap under the roadway x 48" wide x 20" deep. This void does NOT appear to be due to any vibration or settlement, but rather a preexisting condition due to water leaking and causing an undermining.

This area should be evaluated by the EOR for corrective actions.

/R  
Ken

Kenneth M. Bowen  
SR. Inspector  
England, Thims and Miller, Inc.  
(904) 838-0266

[cid:BE5F33C6-A597-4151-AF45-5E0541A4950A]  
[cid:DAAA7394-7524-4CCC-9C65-4D8F0610C27F]  
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