CS-16-78

CHANGE ORDER A	PPROVAL FORM
	<u> </u>
PROJECT: <u>CR115A Bridge over Little St Mary's</u>	$- CHANGE ORDER: - \overrightarrow{B}$
	DATE: <u>11/10/16</u>
	CONTRACT NUMBER: <u>CM2329</u>
TO CONTRACTOR: <u>Hal Jones Contractor, Inc.</u>	
Reason for Change Order: During the concrete removal ar discovered under the south approach slab (End Bent-1). Th fill to remove a safety hazard.	a •
Original Contract Sum Net Change by Previous Change Order/Supplemental Agre Contract Sum Prior to This Change Order	eement. \$ 0.00
Amount of This Change Order (Add/Deduct)	\$
New Contract Sum Including this Change Order	\$
The contract for substantial completion will be (increas Substantial Completion: <u>12/06/16;</u> Final Completion:	
APPROVED BY: Job Cor	DATE: Ulis/10
APPROVED BY:	DATE: 11/16/16
APPROVED BY:	DATE: 11/21/16
SIII TA THE Difector of Office of Management & B APPROVED BY: County Manager	DATE: <u>11/32/16</u>
ACCOUNT NO.: 1 63470541-563100 BRIDG	

SECTION 00 63 63

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 COMMISSIONER COUNTY Contract No.: CM 2329 CONTRACTOR: Hal Jones Contractors, Inc. ENGIN	S NEER / ARCHITECT: Civil Services, Inc.
You are directed to make the following changes in the Contra	act Documents.
Description: Fill Existing Void with Flowable Fill to remove sa	afety hazard.
Reason for Change Order: During the concrete removal and under the south approach slab (End Bent-1).	demo for the new end posts, a void area was discovered
Attachments: (List documents supporting change): Email Co Inc. e-mail cost proposal, ETM Cost Breakdown w/back up.	rrespondence, Civil Services, Inc., Hal Jones Contractors,
CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price	Original Contract Times
Cirginal Contract Fince	Substantial Completion: 90 Days
\$ <u>390,950.00</u>	Ready for Final Payment: <u>120 Days</u> (days or dates)
Net change from previous Change Orders No to No.A	Net change from previous Change Orders No. <u>-</u> to No. <u>A</u>
\$_0.00	47 (days)
Contract Price prior to this Change Order	Contract Times Prior to this Change Order
\$_390,950,00	Substantial Completion: <u>137 Days</u>
	Ready for Final Payment: <u>167 Days</u> (days or dates)
Net Increase (decrease) of this Change Order	Net Increase (decrease) of this Change Order
\$_3,371.22	0(days)
Contract Price with all approved Change Orders	Contract Times with all approved Change Orders
\$_394,321.22	Substantial Completion: 137 Days
	Ready for Final Payment: <u>167 Days</u> (days or dates)
RECOMMENDED: APPROVED:	ACCEPTED:
By:	By: R/Cmmi Signature) ed Signature) By: R/Contractor (Authorized Signature)
Date: 11/10/16 Date: 11/22/	16 Date: 11/10/16

Section 00 63 63-1

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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@hjone	esinc.com				
Estimate Prepared By:	Greg Tolbert	355-5885				
Company:	Hal Jones Con	tractor, Inc.				
1. A= 11						
Wallsea			Data	October 17th,	201	16
Signature	*****	*****	Date	********	****	*****
	INSTALL	FLOWABLE F	TILI.			
CONTRACTOR						
a) LABOR and BURDEN					\$	1 149,12
b) MATERIALS AND SUPPLIES					\$	470,00
c) EQUIPMENTd) INDIRECT COST, EXPENSES, A					\$ \$	1 250,00
u) INDIRECT COST, EXPENSES, A	ND FROFT				÷	2 869,12
					¥	2.000,12
SUB-CONTRACTOR						
a) LABOR and BURDEN					\$	-
b) MATERIALS AND SUPPLIES					\$	-
c) EQUIPMENTd) INDIRECT COST, EXPENSES, A					\$ \$	
					•	
TOTAL COST OF INCREASE, DECR	EASE OR ALTE	RATION IN TH	E WORK		\$	2 869,12
) 17.5% of the s) BOND: For an unforeseen wo convincing pro	um of a), b), & ny additional bo rk, the Contrac of that the bond separate bond	c) above: nd for the addi tor shall provid I has actually t	le clear and	\$	502,10
(1)(ii) SUBCONTRA		P:			
	Subcontractor	Cost for Extra \	Nork:	\$ -	\$	-
	First \$50,000			\$ -		
	Over \$50,000) 5%		\$-	<u>_</u>	
					\$	3 371,22
(2) Average overh	ead per day:				
	Α	Original Con	tract Time			167
	8		tract Amount		\$	390 950,00
	ç	_8%_				
	D =	<u> </u>				
	Calendar davs	of entitlement i	hat are in			0
	•	rst 10 cumulati				U U
					\$	-
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G	ikanu fotal i		-	S, AND PROFIT	_	3 371,22 394 321,22

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CR 115A NASSAU COUNTY Contract No. CM2329

ATTACHMENT B LABOR

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		REG				TOTAL	ОТ				TOTAL		LAI	BOR BURDEN	GRAND
HJC		HOURS	RE	G PAY	F	REG PAY	HOURS	C	T PAY	(OT PAY	TOTAL		TOTAL	 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	1	\$	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. Addt'l. Qnty.	Unit	Est. Unit Cost		Total Price
Flowable Fill	5.00	Сү	\$ 110.45	100 A	\$ 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	1 19 2 4 8 1 5	\$ 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
·					
SubTotal					\$ 2,771.05
Add 17.5% Alloweable Mark-Up	2771.05	\$	\$ 0.175		\$ 484.93

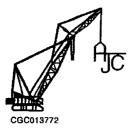
Estimate Total = \$ 3,255.98

Ku By:

Kent Ponder, P.E.

10-18-16 Date:

.



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.

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

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	<u>3.00cy</u>
-------------------------	---------------

Fuel Surcharge \$ 30.0	0 truck
------------------------	---------

Price good until Jan.1, 2017

Thank You,

Donnie Wynn Cell phone 219-6284

Dispatch 714-1717 ext. 1

 $5 cy @ 88^{e} = #440^{e}$ Fuel charge $\frac{+#30^{e}}{4470^{e}}$ Allowed MARK-up=17.5% $\frac{1}{5} 470^{e} (1.175) = #552725$ $\frac{1}{5} 5 cg$ = 110.45/cg,

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 !

Rental

3 Home

Concrete Blog

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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 pumper.

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.
- 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.
- Can rent your pump out to others when you don't need it and make money.
- 7. Creates a tax depreciation expense

<u>Site Sponsers</u>

DAYS CONCRETE FLOORS INC.

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Take a look at the tools I have in my toolbox for doing concrete work.

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http://www.everything-about-concrete.com/concrete-pump-rental.html

10/18/2016



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]Ge	Percentile wage estimates for this occupation:				
OES TOPICS	50%				
RESPONDENTS	Percentile 10% 25% (Median) 7	5% 90%			
DOCUMENTATION	Houriy Wage \$18.75 \$23.52 \$29.84 \$3	8.50 \$48.58			
SPECIAL NOTICES	Annual Wage (2) \$39,000 \$48,920 \$62,070 \$80	0,080 \$101,040			
RELATED LINKS	Industry profile for this occupation: Top				
	Industries with the highest published employment a	nd wages for this o	ccupation are prov	ided. For a list of a	all industries with
	employment in this occupation, see the Create Custo	omized Tables func	tion.		
- -	Industries with the highest levels of employment in t	this occupation:			
Subscribe to the OES			Percent of	1	
Update	Industry	Employment (1)	industry employment	Hourly mean wage	Annual mean wage (2)
	Nonresidential Building Construction	82,440	11.39	\$33.54	\$69,770
	Building Equipment Contractors	65,830	3.47	\$34,11	\$70,940
	Residential Building Construction	58,620	8.61	\$30.15	\$62,710
	Foundation, Structure, and Building Exterior Contractors	46,210	5.79	\$29.19	\$60,720
	Other Specialty Trade Contractors	34,540	5.58	\$29.53	\$61,430
Email Address GO					
	Industries with the highest concentration of employm	nent in this occupat	tion:		
BIC CDCAVEDC	Industries with the highest concentration of employm Industry	Employment	Percent of industry	Hourly mean wage	Annuai mean waqe (2)
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BLS SPEAKERS AVAILABLEI	Industry Nonresidential Building Construction	Employment (1) 82,440	Percent of industry employment 11.39	wage \$33.54	wage (2) \$69,770
	Industry <u>Nonresidential Building Construction</u> <u>Residential Building Construction</u>	Employment (1) 82,440 58,620	Percent of industry employment 11.39 8.61	wage \$33.54 \$30.15	wage (2) \$69,770 \$62,710
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction	Employment (1) 82,440 58,620 25,210	Percent of industry employment 11.39 8.61 7.96	wage \$33.54 \$30.15 \$32.56	wage (2) \$69,770 \$62,710 \$67,720
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction Other Heavy and Civil Engineering Construction	Employment (1) 82,440 58,620	Percent of industry employment 11.39 8.61	wage \$33.54 \$30.15	wage (2) \$69,770 \$62,710
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction	Employment (1) 82,440 58,620 25,210 7,490	Percent of industry employment 11.39 8.61 7.96 6.83	wage \$33.54 \$30.15 \$32.56 \$31.81	wage (2) \$69,770 \$62,710 \$67,720 \$66,170
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction Other Heavy and Civil Engineering Construction Utility System Construction	Employment (1) 82,440 58,620 25,210 7,490	Percent of industry employment 11.39 8.61 7.96 6.83 6.69	wage \$33.54 \$30.15 \$32.56 \$31.81	wage (2) \$69,770 \$62,710 \$67,720 \$66,170
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction Other Heavy and Civil Engineering Construction Utility System Construction	Employment (1) 82,440 58,620 25,210 7,490	Percent of industry employment 11.39 8.61 7.96 6.83 6.69 Percent of industry	wage \$33.54 \$30.15 \$32.56 \$31.81	wage (2) \$69,770 \$62,710 \$67,720 \$66,170
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction Other Heavy and Civil Engineering Construction Utility System Construction Top paying industries for this occupation:	Employment (1) 82,440 58,620 25,210 7,490 32,240 Employment	Percent of industry employment 11.39 8.61 7.96 6.83 6.69 Percent of	wage \$33.54 \$30.15 \$32.56 \$31.81 \$31.38 Hourly mean	wage (2) \$69,770 \$62,710 \$67,720 \$66,170 \$65,260
	Industry Nonresidential Building Construction Residential Building Construction Highway, Street, and Bridge Construction Other Heavy and Civil Engineering Construction Utility System Construction Top paying industries for this occupation: Industry	Employment (1) 82,440 58,620 25,210 7,490 32,240 Employment (1)	Percent of industry employment 11.39 8.61 7.96 6.83 6.69 Percent of industry employment	wage \$33.54 \$30.15 \$32.56 \$31.81 \$31.38 Hourly mean wage	wage (2) \$69,770 \$62,710 \$67,720 \$66,170 \$65,260 Annual mean wage (2)

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(8)

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\$93,380

\$92,960

\$86,720

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			tial Buildi				58,620		8.61	\$30.15	\$62,710	ł
		Foundation, S	Structure, Contra		ding Exterior		46,210		5.79	\$29,19	\$60,720	
		Other Sp	ecialty Tr		tractors		34,540		5.58	\$29.53	\$61,430	1
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E.	i.		tial Buildii				58,620		8.61	\$30.15	\$62,710	
1	£	Highway, Str	and the second se				25,210		7.96	\$32.56	\$67,720	1
1		Other Heavy an				<u>n</u>	7,490		6.83	\$31.81	\$66,170	
		Top paying industri	System			l	32,240		6.69	\$31.38	\$65,260	ł
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			Indus	stry		E	mployment (1)	in	rcent of dustry loyment	Hourly mean wage	Annual mean wage <u>(2)</u>	

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5,780

220

(8)

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(8)

0.02

\$50.12

\$47.60

\$44.89

\$44.69

\$41.69

\$104,240

\$99,000

\$93,380

\$92,960

\$86,720

http://www.bls.gov/oes/current/oes471011.htm

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BROWSE DES	Occupational E	mployment a	nd Wages	. May 2015	5	
OES OVERVIEW	47-2073 Operatir	ng Engineers a	nd Other C	onstruction	Equipment C	Operators
OES DATA OES DATA OES DATA OES CHARTS OES MAPS	Operate one or several type demicks, shovels, tractors, o surface pavement. May rep "Extraction Workers" (47-50	es of power construction or front-end loaders to air and maintain equip <u>r</u>	n equipment, such excavate, move, a	as motor graders, nd grade earth, en other duties. Excl	bulldozers, scrapers ect structures, or pou udes "Crane and Tov	s, compressors, pumps, ur concrete or other hard
OES PUBLICATIONS OES DATABASES OES FAQS	National estimates for this of Industry profile for this occu Geographic profile for this o	upation	2	1.44(1.4		# 31,09
CONTACT OES	National estimates for th Employment estimate and n		or this occupation:			
SEARCH OES	· · ·		Mann annual			
OES TOPICS	Employment (1) Employ RSE	yment Mean hourly (3) wage	wage (2)	age RSE <u>(3)</u>		
RESPONDENTS	355,140 0.8		\$49,110	0.3 %		
OOCUMENTATION	Percentile wage estimates for	or this occupation:				
SPECIAL NOTICES	Г — Т — Т					
RELATED LINKS	Percentile 10%	25% 50% 7 (Median) 7	5% 90%			
• • • • • •	Hourly Wage \$13.93		28.73 \$37.25			
Subscribe to the OES	Industries with the highest p employment in this occupation		and wages for this	occubation are pro		
Update	Industries with the highest le	on, see the <u>Create Cus</u> evels of employment in				an Industries with
Update		evels of employment in		ction.	Houriy mean	Annual mean wage (2)
Update	Industries with the highest li	evels of employment in	this occupation:	ction. Percent of Industry	Houriy mean	Annuai mean
Update	Industries with the highest lo	evels of employment in try ade Contractors	this occupation: Employment (1)	ction. Percent of Industry employment	Houriy mean wage	Annual mean wage (2)
Update	Industries with the highest le Industries With the highest le Indus	evels of employment in try ade <u>Contractors</u> DES Designation)	this occupation: Employment (1) 87,340	ction. Percent of industry employment 14.11	Hourty mean wage \$23.37	Annuai mean wage (2) \$48,620
	Industries with the highest le Industries With the highest le Indust Other Specialty Tra Local Government ((evels of employment in try ade Contractors DES Designation) Construction	this occupation: Employment (1) 87,340 48,500	ction. Percent of Industry employment 14.11 0.91	Hourly mean wage \$23.37 \$20.64	Annual mean wage (2) \$48,620 \$42,930
	Industries with the highest le Industries with the highest le Industries Other Specialty Tra Local Government (C Utility System (C	evels of employment in try ade <u>Contractors</u> <u>OES Designation</u>) <u>Construction</u> <u>Bridge Construction</u>	this occupation: Employment (1) 87,340 48,500 47,660	ction. Percent of industry employment 14.11 0.91 9.89	Hourty mean wage \$23.37 \$20.64 \$24.96	Annual mean wage (2) \$48,620 \$42,930 \$51,910
	Industries with the highest le Industries with the highest le Other Specialty Tra Local Government ((Utility System (Highway, Street, and E	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18	Hourly mean wage \$23.37 \$20.64 \$24.96 \$26.36	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840
Émail Address 🗔	Industries with the highest le Industries with the highest le Other Specialty Tra Local Government (C Utility System C Highway, Street, and E Nonresidential Build	evels of employment in try ade <u>Contractors</u> <u>OES Designation</u>) <u>Construction</u> <u>Bridge Construction</u> <u>ing Construction</u> oncentration of employ	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of	Hourty mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourty mean	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840
Email Address 50 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra Local Government ((Utility System, C Highway, Street, and F Nonresidential Build Industries with the highest of	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry	Hourty mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourty mean	Annuai mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean
Email Address 50 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra Local Government (f Utility System, G Highway, Street, and F Nonresidential Build Industries with the highest of Industries with the highest of	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1)	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment	Hourly mean wage \$23,37 \$20,64 \$24,96 \$26,36 \$25,31 Hourly mean wage	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2)
Email Address 50 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra- Local Government (C Utility System C Highway, Street, and F Nonresidential Build Industries with the highest of Industries with the highest of Industries with the highest of Other Specialty Tra	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ede Contractors Bridge Construction	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment 14.11	Hourly mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourly mean wage \$23.37	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2) \$48,620
Email Address 😥 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra- Local Government (C Utility System (Highway, Street, and F Nonresidential Build Industries with the highest of Industries of the highest of Industries with the highest of Industries with the highest of Industries of the highest of Industries with the highest of Industries with the highest of Industries of the highest of the highest of Industries of the highest of the highest of the highest of Industries of the highest of the hi	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors Bridge Construction aneering Construction	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340 43,840	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment 14.11 13.84	Hourly mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourly mean wage \$23.37 \$26.36	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2) \$48,620 \$54,840
Email Address 50 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra- Local Government (C Utility System C Highway, Street, and f Nonresidential Build Industries with the highest of Industries with the	evels of employment in stry ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors Bridge Construction aineering Construction aineg and Quarrying	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340 43,840 13,510	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment 14.11 13.84 12.32	Hourly mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourly mean wage \$23.37 \$26.36 \$24.78	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2) \$48,620 \$54,840 \$51,530
Email Address 🗔 BUS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra Local Government ((Utility System, C Highway, Street, and F Nonresidential Build Industries with the highest of Industries with the highest of Other Specialty Tra Highway, Street, and F Other Heavy and Civil Enc Coal Mir	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors Bridge Construction inneering Construction inng ning and Quarrying s occupation;	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340 43,840 13,510 8,220	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment 14.11 13.84 12.32 11.83	Hourly mean wage \$23,37 \$20,64 \$24,96 \$26,36 \$25,31 Hourly mean wage \$23,37 \$26,36 \$24,78 \$25,70 \$21,17 Hourly mean	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2) \$48,620 \$54,840 \$51,530 \$53,450
Email Address 🗔 BLS SPEAKERS	Industries with the highest le Industries with the highest le Other Specialty Tra- Local Government (C Utility System C Highway, Street, and F Nonresidential Build Industries with the highest of Industries of the highest of Industries for this	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors Bridge Construction ameering Construction	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340 43,840 13,510 8,220 10,470 Employment	ction. Percent of Industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of Industry employment 14.11 13.84 12.32 11.83 11.32 Percent of Industry	Hourly mean wage \$23,37 \$20,64 \$24,96 \$26,36 \$25,31 Hourly mean wage \$23,37 \$26,36 \$24,78 \$25,70 \$21,17 Hourly mean	Annuai mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annuai mean wage (2) \$48,620 \$54,840 \$51,530 \$53,450 \$444,030
Email Address	Industries with the highest le Industries with the highest le Other Specialty Tra- Local Government (C Utility System C Highway, Street, and F Nonresidential Build Industries with the highest of Industries with the highest of Industries with the highest of Industries with the highest of Cother Specialty Tra- Highway, Street, and F Other Heavy and Civil Enco Coal Mir Nonmetallic Mineral Mir Top paying Industries for this Indust	evels of employment in try ade Contractors OES Designation) Construction Bridge Construction ing Construction oncentration of employ try ade Contractors Bridge Construction ing ning and Ouarrying s occupation: Ery Surgical Hospitals	this occupation: Employment (1) 87,340 48,500 47,660 43,840 15,810 ment in this occup Employment (1) 87,340 43,840 13,510 8,220 10,470 Employment (1)	ction. Percent of industry employment 14.11 0.91 9.89 13.84 2.18 ation: Percent of industry employment 14.11 13.84 12.32 11.83 11.32 Percent of industry employment findustry findustry employment findustry findustry employment findustry findustry employment f	Hourly mean wage \$23.37 \$20.64 \$24.96 \$26.36 \$25.31 Hourly mean wage \$23.37 \$26.36 \$24.78 \$25.70 \$21.17 Hourly mean wage	Annual mean wage (2) \$48,620 \$42,930 \$51,910 \$54,840 \$52,650 Annual mean wage (2) \$48,620 \$54,840 \$51,530 \$53,450 \$44,030

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CONTACT DES	Employment (1	Employm RSE (3	ent <mark>Mean hourl</mark>) wage	y Mean a wag	,	Wage RSE (3)						
L lGd	3,670	7.2 %	\$26.51	\$55,	,150	2.6 %							
OES TOPICS	Percentile wage es	timates for t	his occupation:										
RESPONDENTS	Percentile	10% 2	5% 50% (Median)	75%	90%								
SPECIAL NOTICES	Hourly Wage	\$13.66 \$1	7.33 \$23.77	\$36.24	\$44.58								
RELATED LINKS	Annual Wage (2)	\$28,400 \$36	5,050 \$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 <u>Create Customized Tables</u> function.

Industries with the highest levels of employment in this occupation:

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

Email Address

GO



Industry	Employment <u>(1)</u>	Percent of industry employment	Hourty mean wage	Annual mean wage <u>(2)</u>
Other Heavy and Civil Engineering Construction	1,110	1.01	\$30.55	\$63,540
Highway, Street, and Bridge Construction	930	0.29	\$23.88	\$49,670
Utility System Construction	640	0.13	\$25.02	\$52,040
Other Specialty Trade Contractors	530	0.09	\$25.24	\$52,490
Nonresidential Building Construction	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)
Local Government (OES Designation)	60	(7)	\$31.18	\$64,850
Other Heavy and Civil Engineering Construction	1,110	1.01	\$30.55	\$63,540
Foundation, Structure, and Building Exterior Contractors	(8)	<u>(8)</u>	\$27.03	\$56,220
Nonresidential Building Construction	150	0.02	\$25.42	\$52,870
Other Specialty Trade Contractors	530	0.09	\$25.24	\$52,490

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OES CHARTS	National orkinates	for this econori				\mathcal{D}	AC	JGY	+ MI	= - 79	
OES MAPS	National estimates Industry profile for									<i>I</i>	-
OES PUBLICATIONS	Geographic profile (for this occupat	ion			3	6.2	41	1.4502):	= # 52.5	5
OES DATABASES	National estimate	es for this oc	unation: Tor	0				·· C			•
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· · ·	Employment (1)		Mean hourly			Wage	RSE (3				
EARCH OES	2 (70	RSE (3) 7.2 %	wage		e (2)	ļ		-			
	3,670 Percentile wage est		\$26.51	\$22	,150	2,	6%				
OES TOPICS	Percentile wage est		occupation:								
RESPONDENTS	Percentile	10% 25%	50%	75%	90%]					
DOCUMENTATION			(Median)			-					
SPECIAL NOTICES		\$13.66 \$17.3		\$36.24	\$44.58	4					
RELATED LINKS	Annual Wage (2)	28,400 \$36,05	0 \$49,430	75,370	\$92,720	ני					
	Industry profile fo	or this occup	ation: Ton								
	Industries with the	•		t and wa	nac for t	thic occu	mation	ara nrovi	ided For a list of a	all inductries with	
	employment in this				-		•	are prov		in moustnes with	
0		ecception, se	and <u>croute co</u>			10110001	••				
Subscribe to the OES	Industries with the	highest levels o	f employment i	in this oc	cupation	n:					
Update		Industry		En	nploym (1)		indu	ent of Istry yment	Hourly mean wage	Annuai mean wage (2)	
	Other Heavy and	I Civil Engineeri	ng Construction	0	1,110		1.	01	\$30.55	\$63,540	
	Highway, Stre	et, and Bridge	Construction		930		0.	29	\$23.88	\$49,670	
		System Constru			640		0.	13	\$25.02	\$52,040	
	Other Spe	cialty Trade Co	ntractors		530		0.	09	\$25.24	\$52,490	
	Nonresiden	tial Building Co	nstruction		150	-1-	0.	02	\$25.42	\$52,870	
Email Address	Industries with the i	highest concent	ration of emplo	oyment i	n this oc	cupation	n:				
	1								r	· · · · · · · · · · · · · · · · · · ·	
				En	myolan	ent	Perce	ent of	Hourty mean	Annual mean	



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

Top paying industries for this occupation:

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

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	National estima	tes for t	his occi	upation: To	P		1717	I CI	1 12	-7- ff	
EARCH OES	Employment estim			-							
OES TOPICS	Employment (1) Emplo	yment (3)	Mean hour	ly Mean	annual	Wage R	SE (3)			
RESPONDENTS	887,580		· (2) %	\$17.57		ge <u>(2)</u> 6,550	0.3				
DOCUMENTATION	Percentile wage es			· · · · · · · · · · · · · · · · · · ·	4.5	0,000	0.0	~~~~			
SPECIAL NOTICES			r	-			1				
RELATED LINKS	Percentile	10%	25%	50% (Median)	75%	90%					
	Hourly Wage	\$9.92	\$12.20	\$15.34	\$20.80	\$29.36	1				
	Annual Wage (2)	\$20,640	\$25,380	\$31,910	\$43,260	\$61,070	1				
Subscribe to the OES Update	Industry profile Industries with the employment in this Industries with the	e highest s occupat	publishe ion, see	d employme the <u>Create C</u>	ustomize	ed Tables	function.		e provi	ided. For a list of a	ll industries with
		Indu	stry		E	mployme (1)	ent	Percen indust mployr	try	Hourly mean wage	Annual mean wage <u>(2)</u>
	Other Sp	ecialty T	ade Con	tractors		143,960)	23.2	5	\$17.69	\$36,790
	Residen	tial Buildi	ng Const	ruction		108,340		15.9	2	\$16.02	\$33,320
Email Address 50	Nonreside					107,470		14.8	4	\$18.85	\$39,210
	Foundation, S	tructure, Contra		ding Exterio	:	101,110		12.6	7	\$17.34	\$36,060
BLS SPEAKERS	1 19365	System	Construe	tion	1	95,490	ł	19.82	۰ ۱	\$17.89	\$37,200



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

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

То

Kent Ponder

From:Ali Najafi [anajafi@civilservicesinc.com]Sent:Tuesday, September 27, 2016 4:33 PMTo:Becky Bray; Kent PonderCc:Josephine Craver; Christopher Morse; Fares TannousSubject: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 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

From: Ali Najafi <<u>anajafi@civilservicesinc.com</u>> 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 www.civilservicesinc.com

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-----Original Message-----From: Kent Ponder [<u>mailto:PonderK@etminc.com</u>] 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

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From: "Ken Bowen" <<u>BowenK@etminc.com<mailto:BowenK@etminc.com</u>>> To: "Kent Ponder" <<u>PonderK@etminc.com<mailto:PonderK@etminc.com</u>>> 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

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