PO# 122466 Oms Pec 446462



9700 Richmond Ave. Suite 250 Houston, Texas 77042 T-713-706-4414 F-713-706-4410

Date:

April 10, 2018

2013 Mobility Bond Program, Fort Bend County Bellaire Blvd. from FM 1464 to San Pablo FCM Project No. 2014101

Period: January 01, 2018 thru April 10, 2018

Invoice No.

18

Authorized Amount:

Phase I - Preliminary Engineering Services = \$111,934.38

Phase II - Final Engineering Design = \$241,045.74

Phase III - Construction Services = \$22,218.06

Additional Services = \$101,471.00

Second Amendment = \$10,720.67

Total Authorization = \$487,389.85

INVOICE SUMMARY

FCM Engineers, P.C. Phase III Services

Personnel	Classification	Hours	Billing Rate #	Total Amount
Frank C. Mbachu	Project Manager	14	\$174.75	\$2,446.50
David Collins	Sr. Engineer	0	\$121.50	\$0.00
Mary Huang	Project Engineer	5	\$116.85	\$584.25
George Williams	CAD Technician	0	\$75.12	\$0.00
Total		19		\$3,030.75

Subconsultants

Jaymark Engineering Corporation (See Attached Invoice)	\$1,200.00
LandTech (See Attached Invoice	\$0.00
TOTAL SUBCONSULTANTS	\$1,200.00

TOTAL THIS INVOICE
PREVIOUSLY INVOICED
INVOICE TO DATE
AUTHORIZED AMOUNT LIMITED TO
AUTHORIZED TOTAL THIS INVOICE

\$4,230.75 \$484,557.33 \$488,788.08 \$487,389.85

04,532.32



9700 Richmond Ave. Suite 250 Houston, Texas 77042 T-713-706-4414 F-713-706-4410

April 10, 2018

Mr. Donald Durgin, P.E. RPS Klotz & Associates 1160 Dairy Ashford, Suite 500 Houston, Texas 77079

Re:

2013 Mobility Bond Program, Fort Bend County

Bellaire Blvd from FM 1464 to San Pablo

FCM Project No. 2014101

Period: January 1, 2018 thru. April 10, 2018

Invoice No. 18 FINAL

Dear Mr. Durgin;

We hereby submit our invoice for the above referenced project. The total amount due for this final invoice is **Two Thousand Eight Hundred Thirty Two and Fifty Two Cents** (\$2,832.52). This amount is for professional services as per our contract.

Please feel free to call me if there are any questions.

Very truly yours, FCM Engineers, P.C.

Dr. Frank C, Mbachu, P.E. DEE

President

FCM/mh

Enclosure

FCM Engineers, P.C. 9700 Richmond Avenue, Suite 250 Houston, Texas 77042

FORT BEND 2013 MOBILITY BOND PROGRAM BELLAIRE FROM SAN PABLO DR. TO FM 1464 FCM PROJECT No. 2014101

Date: April 10, 2018

Project Name: Bellaire from San Pablo Dr. to FM 1464 FCM Project No: 2014101 Invoice Number: 18 FINAL Invoice Period: January 1, 2018 thru April 10, 2018 Invoice Date: April 10, 2018

Total A & B Services		\$487,389.85			\$	2.093.56	100.00%	\$ 487,389.85	\$	484,557.33	\$	2.832.52
Total Additional Services	\$	112,191.67			\$	-		\$ 112,191.67	\$	111,452.71	\$	738.96
Maintenance Access Design & Survey ncluding Survey to Reset Controls (Second Amendment)		10,720.67	10/20/2017	18	\$	738.96	100.00%	\$ 10,720.67	-	9,981.71		738.96
5. Sidewalk Addition to the Project (First Amendment)	\$	9,000.00	9/6/2016	15	\$	-	100.00%	\$ 9,000.00	\$	9,000.00	\$	-
4. Storm Water Pollution Plan - Nathelyne A, Kennedy & Associates.	\$	8,132.00	1/30/2015	14	\$	-	100.00%	\$ 8,132.00	\$	8,132.00	\$	-
3. Traffic Control Plans - Nathelyne A. Kennedy & Associates	\$	11,570.00	1/30/2015	14	\$	-	100.00%	\$ 11,570.00	\$	11,570.00	\$	-
2. Geotechnical Investigations - Austin- Reed Engineers, LLC	\$	37,009.00	1/30/2015	14	\$	-	100.00%	\$ 37,009.00	\$	37,009.00	\$	-
Surveying - Landtech Consultants Inc.	\$	35,760.00	1/30/2015	8	\$	-	100.00%	\$ 35,760.00	\$	35,760.00	\$	-
3) Additional Services	Amo	unt Authorized	NTP Date	Invoice No.	Invo	oice Amount	% Complete	Total to Date	Pr	reviously Invoiced	Am	ount Due
Total Basic Services	\$	375,198.18			\$	2,093.56	100.00%	\$ 375,198.18	\$	373,104.62	\$	2,093.56
3. Phase III Design Basic Services	\$	22,218.06	1/30/2015	18	\$	2,093.56	100.00%	\$ 22,218.06	\$	20,124.50	\$	2,093.56
2. Phase II Design Basic Services	\$	241,045.74	1/30/2015	14	\$	-	100.00%	\$ 241,045.74	\$	241,045.74	\$	-
Phase I Design Basic Services	\$	111,934.38	1/30/2015	9	\$	-	100.00%	\$ 111,934.38	\$	111,934.38	\$	-
A) Basic Services	Amo	unt Authorized	NTP Date	Invoice No.	Invo	ice Amount	% Complete	Total to Date	Pr	eviously Invoiced	Am	ount Due



9700 Richmond Ave. Suite 250 Houston, Texas 77042 T-713-706-4414 F-713-706-4410

2013 Mobility Bond Program, Fort Bend County Bellaire Blvd from FM 1464 to San Pablo Drive

PROJECT STATUS REPORT No. 18: April 10, 2018

Phase III – Construction Phase Services

A. Additional Services

The engineer completed the design of the maintenance equipment access to the ditch. This maintenance access design included the median crossing, sidewalk crossings and 20' easement access drive to the ditch. The County requested additional design services to design the followings:

- 1.) Four (4) new ramps at the intersection of Bellaire Rd. and Chickory Woods Ln. with cross walk.
- 2.) Four (4) new ramps at the intersection of Bellaire Road and San Pablo with cross walk
- 3.) Remove the stop signs at Chickory Woods lane intersection and show new stop signs with warning signs indicating that "Cross Traffic Does Not Stop"
- 4.) Remove the stop signs at San Pablo intersection and show new stop signs with warning signs indicating that "Cross Traffic Does Not Stop"
- 5.) Redesign the median nose east of San Pablo intersection. The county plans to have the traffic on Bellaire from FM 1464 to Highway 6 not stopping except on signalized intersection.

The project walk through was completed on March 27, 2018. The additional design work was completed at no cost to the Fort Bend County.

B. Submittals Review

There are total 15 submittals reviewed and returned to the construction manager. The log of submittals is attached to this report.

C. RFI Responses

There are 17 RFI's submitted, reviewed with response and forwarded to the construction manager. The log of RFI's is attached to this report.

D. Construction Site Photographs

The Engineer visited the construction site on 2/16/2018, 3/16/2018, and 3/27/2018 and took construction pictures but only the most recent pictures taken on 3/27/2018 are attached to this project status report.

E. List of Planned Activities for the following Months

The following activities are planned to be accomplished in April 2018.

- 1. Complete the construction of the project
- 2. Have the roadway open for public use which will mark the end of the project.



Jaymark Engineering Corporation 3730 Cypress Creek Parkway, Suite 108 Houston, TX 77068 (346) 316-1181; Fax (346) 316-1185 www.jaymarkengineering.com

INVOICE

FCM Engineers 9700 Richmond Avenue, Suite 2500 Attn: Dr. Frank C. Mbachu, P.E., DEE Houston, TX 77042

Number: 20341

Job: 15-020

Date: 3/7/2018

2013 Mobility Bond Program/Fort Bend County Bellaire Boulevard from FM1464 to San Pablo Drive Project **Bridge Design Engineering Services**

-	Contract Amount	Percent Complete	c 	Total completed To Date	-	Previous Billings	Aı	Current mount Due	Current Percentage
Desi	gn Phase Engineeri 114,360.00	ing Services 100.00%	\$	114,360.00	\$	114,360.00	\$	-	0.00%
Cons	struction Phase Eng	gineering Services							
\$	6,000.00	100.00%	\$	6,000.00	\$	4,800.00	\$	1,200.00	20.00%
Additi	onal Services - None						\$	-	
Total	Amount Due Upon Red	ceipt					\$	1,200.00	

I certify that the amount invoiced is true and correct to the best of my knowledge.

3/7/2018

Date

Signature

FCM Engine	ers. P	C.								NAME:		Fran	k C. I	Mbac	hu		
	,	4.1 1						•					FROM	1		TO	
TIME S	LICET											0:	3/16/	18	0:	3/31/1	18
I INTE 3 EMPLOYEE# 2296	MEEI											SUPE					
WEEK DAY		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	_		Thu	Fri	Sat
DAY OF THE MONTH		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PROJECT NO.	REG.HRS.	-15	 ''	10	1.2	20		1.2	1.5	-				10			· ·
TASK NO.	O.T.HRS.		 													 	
PROJECT NAME	[\(\pi_1, \text{in (0.)}\)	L	L		L					<u> </u>	<u> </u>	<u>.</u>		.			
2017012	80	4	<u> </u>	T	8	8	6	8	8	l		8	6	8	8	8	
										ļ ——	i	<u> </u>					
Antoine Paving and Drains	ae: Victor	rv to \	Vest	Gulf	Bank					·			L			L,	-
2017033	0	<u> </u>										<u> </u>					
	<u> </u>								,	İ				\vdash			
HCFCD Disaster Recovery	/ Program	Man	agem	ent			l	l	<u></u>	·			F		A	<u> </u>	L
2014082	16	2		<u> </u>	2	2	4		2	T			2	2			Π
	1	<u> </u>											\Box	1			Ī
SEWPP Improvements	<i>-</i>				а .	•			·		£	-					
2014101	6	3	T		Ι	[[3				
										T	<u> </u>						
Bellaire Boulevard from FI	vi 1464 to	San I	Pablo)		<u> </u>	d	**									
2011200	0	T		T	T						<u>, </u>			T			
												Ι					
MARKETING														7, ((, ,)			
							-					l			<u> </u>		
		Ī															
	<u> </u>	<u> </u>	<u> </u>					<u> </u>	<u> </u>					ļ	<u> </u>	<u> </u>	<u> </u>
]				<u> </u>	<u>.</u>	l	<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
						,										,	
		ļ	ļ	<u> </u>	<u> </u>	<u> </u>	ļ	Ļ	L	<u> </u>	<u> </u>	ļ		<u> </u>	_	ļ <u>.</u>	
	<u></u>				<u></u>		<u></u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	Ļ		L .	<u> </u>	<u> </u>
			,					,						T	,		1
				ļ	_	ļ	<u> </u>	<u> </u>	<u> </u>	ļ	ļ	1		ļ	ļ	ļ	
	<u> </u>	<u> </u>	1	<u> </u>	<u>.l</u>	ļ <u> </u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u> </u>	1	<u> </u>			<u> </u>	<u> </u>
		,		т			T	т		r	т			·	т	т	1
MEETINGS #100		 	<u> </u>	 	ـ	 	_	<u> </u>	1—	┼	↓	1	 	+	+	₩	<u> </u>
HOLIDAY #123		<u> </u>	 -	╄	 		ļ	-	-	-		 	 	-	╀	 	-
SICK #124		1	ļ	 		 	<u> </u>	ļ	 	 	 	+	+	-	 	₩	
VACATION #125	<u> </u>	<u></u>	<u> </u>		<u> </u>	1	<u> </u>	1,	1		1	.1	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u>L</u> .
	1 400	η 🚡			1 40	140	1 70	Ιń	1 40	7	7	I o	144	140	Го	T 0	
TOTAL HOURS	102	9 EMP	OVE	SIGN	10 ATUR		10	8	10	1	<u> </u>	8	11	10	8	8	
DO NOT WRITE IN THIS SPA	CE			אנטוט -	wa i UK	Ľ.	110	hi									
TOTAL VAC. HOURS		1					#	₩.									
TOTAL SICK HOURS		PAYI	ROLLIA	ACCO	JNTIN	G NOT	ES:										
TOTAL REG. HOURS																	

FCM Engin	eers. P.	C.								IAME:		Fran	k C. I	Mbac	hu		
													FROM	l <u>.</u>	<u> </u>	TO	
TIME	SHEET											0:	3/01/	18	0:	3/15/	18
EMPLOYEE# 2296												SUPE	RVISC	R:			
WEEK DAY		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	
DAY OF THE MONTH		1	2	3		5	6	7	8	9	10	11	12	13	14	15	Ĺ
PROJECT NO.	REG.HRS.					ļ											Ļ
TASK NO.	O.T.HRS.					<u> </u>					<u> </u>	<u></u>				<u> </u>	1
PROJECT NAME		,		,						-						r	•
2017012	72	8	6		<u> </u>	8	6	5	6	6	<u> </u>		7_	8	6	6	ŀ
Antoine Paving and Dra	inage: Victor	rv to \	Vest	L Gulf !	l Bank			l	l		ļ <u>+</u>	l	<u> </u>	L	<u> </u>		L
2017033	0	1	1	<u> </u>	<u> </u>	Π					l		<u> </u>		<u> </u>	Ţ	Γ
		 -	1		1	\vdash											Ì
HCFCD Disaster Recov	ery Program	Man	agem	ent		<u> </u>	L				<u> </u>			<u> </u>		·	
2014082	14	1	2		Ī		2	2	2	2		[2		2		Ī
					<u>L_</u>									<u> </u>			
SEWPP Improvements																	
2014101	6				<u> </u>	1	2	1				<u> </u>			<u> </u>	2	ļ
				L			<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>		<u> </u>	<u> </u>	Ţ
Bellaire Boulevard from	FM 1464 to	San I	Pablo	Drive	e				-		•	,	,			,	_
2011200	0	<u> </u>		<u> </u>	<u> </u>	<u> </u>					ļ			<u> </u>	<u> </u>		ļ
MEETINGS #100 HOLIDAY #123																	_ - -
SICK #124		 		+	+-	+	1	+-	-	 	 	+	+	+-	+	+	+
VACATION #125		<u> </u>	L		Ц	1	1	1	1	<u></u>	1	<u></u>	1,	1	1	<u> </u>	
TOTAL HOURS	92	8	8	1		9	10	8	8	8			9	8	8	8	Ī
DO NOT WRITE IN THIS SE	'ACE	EMPI	LOYE	SIGN	IATUR	(E:		1/0	10								
TOTAL VAC. HOURS		<u> </u>					18-11-275	#	M.								
TOTAL SICK HOURS		PAY	ROLL	4CCOI	UNTIN	G NOT	ES:	-									
TOTAL REG. HOURS	i	1															

FCM Engine	aare P	C							•	NAME:	į	Fran	k C. I	Mbac	hu		
	cers, I.	. 1						•					FRON			TO	
TIME	SHEET											0:	2/16/	18	0.	2/28/	18
EMPLOYEE# 2296	747 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4											SUPE	RVISO	DR :	L		
WEEK DAY		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			Wed	Thu	Fri	Sat
DAY OF THE MONTH		16	17	18	19	20	21	22	23	24	25	26	27	28		- 11	34
PROJECT NO.	REG.HRS.																
TASK NO.	O,T.HRS.		1								<u> </u>						
PROJECT NAME					<u> </u>	4				•							
2017012	70	6			8	8	8	8	8		l	8	8	8			
						<u> </u>											
Antoine Paving and Drain	nage: Victor	ry to \	Vest	Gulf	Bank												
2017033	0					<u> </u>							<u> </u>		<u> </u>	!	
	<u> </u>		ļ	<u> </u>		<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u>L</u>		<u> </u>			
HCFCD Disaster Recove			agen	ent			,	,									
2014082	12	4	4	<u> </u>	2			<u> </u>	<u> </u>	<u> </u>			<u> </u>	2	ļ		
	,.L		<u>.</u>]				L	<u> </u>	<u></u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>L</u> .
SEWPP Improvements	<u> </u>	т		·	г	,	1		r				r				
2014101	2	<u> </u>	1	-	 	<u> </u>	<u> </u>		 	 	├ ─	2	-	 	 	<u> </u>	_
D # / D	71 44044		Dabi	<u> </u>	<u> </u>	l	<u> </u>	<u> </u>	<u> </u>	L	<u> </u>	1	<u> </u>	<u> </u>	L	<u></u>	L
Bellaire Boulevard from F	_	nSan	l Pabi	io I	1	Γ	Т	Т	r	1	т .			г –	ſ	r	г
2011200] 0	-		┢	 		 	-	-	 	<u> </u>	1	 	├	 	ļ	\vdash
Manusation		<u> </u>	.I	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	L	L	1		L	I	<u> </u>	L	
Marketing	1	Γ	1	Г	T	1	<u> </u>		1		1	ī		T	Τ		Γ .
		 	 	\vdash	\vdash		1	-	 	 	ļ	 			 		一
		1	1		<u> </u>	<u> </u>	1	<u> </u>	L							1	L
· · · · · · · · · · · · · · · · · · ·		1	T	Ţ	<u> </u>		1			1	1	T	<u> </u>	[ſ	l	Г
			1	1	1		1	1		 		1					
	. '		•	•	-	<u> </u>			•			•	·				
		1		<u> </u>	J								l				
				T							•						
											<u> </u>	<u> </u>	<u> </u>	<u> </u>			
			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>					<u> </u>	<u> </u>	<u> </u>	
				 							· · · · · ·			,	т		
MEETINGS #100				<u> </u>	<u> </u>	ļ	<u> </u>	ļ	<u> </u>			↓	<u> </u>	 	-	 	┞
HOLIDAY #123		 		-	1	ļ	ļ		 	1	<u> </u>	₩	 	-	_	-	├
SICK #124		 			 	—	 	-	<u> </u>	 		 	ļ	ļ	ļ	ļ	├-
VACATION #125		<u> </u>			<u> </u>	<u></u>	<u> </u>	<u> </u>		<u> </u>	<u>.</u>	1	<u> </u>	ł		<u> </u>	<u> </u>
	1 04	1 40	T 4	т	140	8	8	8	8	T	,	10	8	10			7-
TOTAL HOURS DO NOT WRITE IN THIS SPA	84 NCE	10 EMPI		SIGN	10 ATUR		u \/	Ιο	10	1.	1	110	10	110	l	İ	<u> </u>
DO NOT WRITEIN THIS SPA	NOE -						Юı	il .									
TOTAL VAC. HOURS		<u> </u>					Hk.	H »									
TOTAL SICK HOURS		PAY	KOLU/	(CCO	JNTIN	G NOT	ES:										
TOTAL REG. HOURS		1															
I O I AL REG, MOURD		1															

FCM Engine	ers. P.	\mathbf{C} .								IAME:	 	Hon	gman	(Mai	y) Hւ	ang	
	Cro, r.	K											FROM			то	
TIME S	HEET	-										0	3/01/	18	0:	3/15/	8
EMPLOYEE# 6660								•				SUPE	RVISC)R:		·	
WEEK DAY		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
DAY OF THE MONTH		1	2	3	4	5	6	7	8	9	10	11	12	· 13	14	15	
PROJECT NO.	REG.HRS.																
TASK NO.	O.T.HRS.		<u> </u>								<u> </u>	<u> </u>					
PROJECT NAME									٨٣١					~ =			
2017011	33	3	2.5		ļ <u>.</u>	2.5	4	4	3.5	3	ļ <u> </u>		3	2.5	3	2	
Antoine North Paving	<u> </u>	<u>L</u>			<u> </u>	<u> </u>					<u> </u>						•••
2014082	0				Г	1					l	_		-			
2017002	0											\vdash					
SEWPP Improvements	Phase 3	Serv	ices	,								L	<u> </u>				
2015101	1	1	1003		1							<u> </u>	Γ				
.,				<u> </u>													
2015101 Construction	Manage	emer	nt an	d In	spec	tion					<u> </u>	!					
2017013	0	[ĺ												
66 inch waterline		·															
															:		
2017033	1.5	0.5				-							1				
HCFCD		<u> </u>			<u> </u>							<u> </u>	<u> </u>				
	·		- · -					_					0.5				
B A (5.5	ļ	1.5	ļ	ļ	2.5		_1_					0.5			1.5	
Marketing	<u> </u>	i		<u> </u>	L	<u> </u>				٠.						1.0	
	6.5	0.5	r		<u> </u>		1		1					1	1.5	15	
Overhead	0.5	0.5		 	-									•	7.0	1.0	
Overneau	<u> </u>	<u> </u>	!	L	<u> </u>												
2014101	2.5	Γ	<u> </u>		Γ					1.5				1			
				m													,
Fort Bend County Mobili	ty Bond 2	013	٠		<u> </u>												
	Ï																
MEETINGS #100]	
HOLIDAY #123																	
SICK #124	ļ					L											
VACATION #125	L	L	1		<u> </u>					•							
	1 EA				1	, , , , , , , , , , , , , , , , , , ,	F	<i>c</i> ' 1	7 -	1 =	,	· · · · ·	AEI	15	A E I	<u> </u>	
TOTAL HOURS	50	5 EMDI	4 OYEE	SIGN	ΔΤΙΙΘΙ	5	5	5	4.5	4.5		l	4.5	4.5	4.5	5	
DO NOT WRITE IN THIS SPAC	E	EWPL.		OIGN	r i yr i			\int	D		ทน.	<u>.</u>	1	1. 1	X		
TOTAL VAC. HOURS									V	0	, , ,			<u> </u>	<u>'U</u>		
TOTAL SICK HOURS		PAYR	OLL/A	CCOU	NTING	NOTE	S:										
TOTAL REG. HOURS														•			
TO IAL REG. HOURS	L												*				

TIME SHEET EMPLOYEE # 5660 WEEK DAY WEEK DAY PROJECT NO. REG.HRS. 15 17 18 19 10 21 22 23 24 25 28 27 28	FCM Engi	neers. P.	C.								AME:		Hong	man	(Mar	y) Hu		_
### PRINCE STREET First Sat Sun Mon Tue Weet Thu Fri Sat Sun Thu Sun Thu Sun		-											FRO₩	<u> </u>	ļ	TO		
Marketing	TIME	E SHEET											02	2/16/ ₍	18	0:	2/28/	18
DAY OF THE MONTH 16 17 18 19 20 21 22 23 24 25 26 27 28	EMPLOYEE # 6660												SUPE	RVIS	OR:			
PROJECT NO. REGJARS. TASK NO. O.T.HRS. PROJECT NAME 2017011 41 3 5 5 4 4 5 5 5 5 5 Antoine North Paving \$ 2014082 0	WEEK DAY		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Frl	Ī
TASK NO. C.T.HRS.	DAY OF THE MONTH		16	17	18	19	20	21	22	23	24	25	26	27	28			
PROJECT NAME 2017011	PROJECT NO.	REG.HRS.														· .		L
2017011	TASK NO.	O.T.HRS.					T change					<u> </u>			<u> </u>			
Antoine North Paving 2 2014082					····	,	,	,										
2014082			3			5	5	4	4	5			5	5	5			L
SEWPP Improvements Phase 3 Services 2015101	Antoine North Pavir	ng ∤		<u> </u>		<u> </u>	<u> </u>	<u> </u>	ļ.,							•		L
SEWPP Improvements Phase 3 Services 2015101	,							,		·	·				· · · · ·			
2015101	2014082	0		<u></u>												<u> </u>		Ļ
2015101			<u> </u>	<u> </u>		<u> </u>		L	L	L		L	l		L	<u> </u>	<u> </u>	L
2015101 Construction Management and Inspection 2017013				ices	Г		· T			ſ	1	r	ı	·		·	Τ	т
2017013	2015101	. 1	1	ļ	ļ	} - ·	-	 			1		<u> </u>	-	<u> </u>	<u> </u>	<u> </u>	╀
2017013	004E404 Compting			1 00	d la	0000	tion	<u> </u>	L!		L	Ļ		l	<u> </u>	l		L
2017033			smer	IL an	1	Spec	I	1			!		Γ		Г	Ι	· · ·	Т
2017033			'	 		 		 				ļ	ļ	<u> </u>				╁
Marketing 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oo inch watenine		<u> </u>		1	L		<u> </u>		<u> </u>		l			L	<u> </u>	L	L
Marketing	2017033	7		7	T	1	1	1	1		T		<u> </u>		Г		·	Т
Marketing				┪	╁	├	\vdash	┝∸	 		 							t
Marketing	1101 00		L	J		<u> </u>		1	L	I			<u></u>	<u> </u>	1	·	.	-
Marketing		0		Π	Γ	Τ	T					Π					[Τ
Overhead 2014101	Marketing			1	†	 		 				1						T
2014101					•						·				4			
2014101		0	T T	1	T			T	[Ι
Fort Bend County Mobility Bond 2013 MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Overhead								-				-					L
Fort Bend County Mobility Bond 2013 MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					,													
MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2014101	1	- 1			L												L
MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5													<u> </u>	<u> </u>	<u> </u>	<u> </u>		L
MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Fort Bend County Mo	bility Bond 2	2013							·				.	····		·	_
MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5						<u> </u>		<u> </u>			ļ	<u> </u>	 		<u> </u>			1
MEETINGS #100 HOLIDAY #123 SICK #124 VACATION #125 TOTAL HOURS 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		<u>l</u>		1		<u> </u>		<u></u>	<u></u>	<u>L</u>	<u> </u>	<u> </u>	[<u> </u>	<u> </u>	L
HOLIDAY		• •	T	T	т	T	1			1	1		1		T		•	7
SICK #124 VACATION #125 VACATION #12				ļ	 		 	_	ļ		 	-	 	ļ	 		 	+
TOTAL HOURS 45 5 <t< td=""><td></td><td></td><td></td><td>ļ '</td><td>ļ</td><td>-</td><td>ऻ—</td><td> </td><td><u> </u></td><td>ļ</td><td>-</td><td>├</td><td> </td><td></td><td>ļ</td><td> </td><td>-</td><td>+</td></t<>				ļ '	ļ	-	ऻ—	 	<u> </u>	ļ	-	├	 		ļ	 	-	+
TOTAL HOURS 45 5 <t< td=""><td></td><td></td><td></td><td> </td><td>├</td><td>╀</td><td></td><td> </td><td>1</td><td></td><td></td><td> </td><td><u> </u></td><td></td><td> </td><td> </td><td></td><td>+</td></t<>				 	├	╀		 	1			 	<u> </u>		 	 		+
TOTAL VAC. HOURS TOTAL SICK HOURS PAYROLL/ACCOUNTING NOTES:	VACATION #125		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		L	<u> </u>	L	L	L	ــــــــــــــــــــــــــــــــــــــ	L	I	_
TOTAL VAC. HOURS TOTAL SICK HOURS PAYROLL/ACCOUNTING NOTES:	TOTAL HOUSE	1 16	<u> </u>		T	TA	K	1.5	5	5		T	5	5	5		T	Ť
TOTAL VAC. HOURS TOTAL SICK HOURS PAYROLL/ACCOUNTING NOTES:				OYER	SIGN		<u> </u>	1 0				<u></u>			Т.	<u> </u>	1	
TOTAL VAC. HOURS PAYROLL/ACCOUNTING NOTES:	DO NOT MKITE IN THIS SI	PAGE	1	· - Ḥ	. 0,01				Ll	سا	~~ı	د	Ļ	1)	X	_		
TOTAL SICK HOURS	TOTAL VAC. HOURS		<u> </u>						`	7		, - 			<u> </u>			
	TOTAL SICK HOURS		PAYE	ROLLIA	CCOL	JNTIN	G NOT	ES:		-								
			1															

FCM Engi	neers. P.	C.								IAME:		Hon	gman	(Mai	y) Hu	uang	
The state of the s	**********	-											FROM			TO	
TIMI	E SHEET											0	2/01/	18	0	2/15/	18
EMPLOYEE # 6660												SUPE	RVIS	ÒR:	<u>. </u>		
WEEK DAY		Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Frl	Sat	Sun	Mon	Tue	Wed	Thu	Fr
DAY OF THE MONTH	٠.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PROJECT NO.	REG.HRS.																
TASK NO.	O.T.HRŞ.	<u> </u>			<u> </u>	<u> </u>						ļ.,	<u> </u> -	-			
PROJECT NAME										•							
2017011	44.5		4		<u> </u>	3.5	-5	5	5	5			3.5	5	5	3.5	
Antoine North Pavir	ng (Ĺ	<u> </u>						, ,	,				
2014082	1															1	
									·	•							
SEWPP Improvemen	nts Phase 3	Serv	ices													' '	
2015101	1.5					1.5			l								
												i			'		
2015101 Constructi	on Manage	mer	it an	d Ins	spec	tion											
2017013	0										,						
66 inch waterline	•		., .												· · ·		
	 		<u> </u>	·					<u>-</u>	· · ·			·		المستحدة	اسبسسب	
2017033	· 1		1					•.			•				- 1		
HCFCD			-								,						
						<u> </u>				1							-
W	0]			Т	1			1			<u> </u>	
Marketing													一				_
										!							
	0								T			1	. 1		. 1	T	
Overhead			-					1									
									i.								
2014101	1.5			·			. [. 1	<u> </u>		1.5	· T]		
																	.
Fort Bend County Mol	hility Bond 2	013		I								<u> </u>		I			<u> </u>
· ore Bond County mo.	Dility Dorld 2	-			1	1		<u>.</u>		T							
<u> </u>						\dashv	-+										-
	<u>,l.</u>						<u> </u>	l	<u> </u>	1							
MEETINGS #100	· · · · · ·				1	<u>'</u>	Т		T		Υ		Ţ		1	1	
HOLIDAY #123									+	ᆉ			 	╌┼			
SICK #124									+					-			
	<u> </u>										· - 		+	·	-+		
ACATION #125			[1					
TOTAL HOURS	49.5	- T	5		· :: _T	5	5	5	5	£Ι			5	E I	E I	/ E l	
		EMPLO		SIGNA	TURE		<u> </u>	3.1	Ų	5			<u> </u>	5	5	4.5	
OO NOT WRITE IN THIS SP	ACE	⊢1 λ 1€. († ζ	. I CC	SIGNA	JONE	•			Λ	à			1)		-
TOTAL VAC. HOURS	1 1							+	e,	47	nu	1	ł	-l	イ /	1	
TOTAL SICK HOURS		AYRO	OLL/AC	COUN	ITING	NOTE	S:		<u>'</u>	}_		100					
TOTAL REG. HOURS	i i																



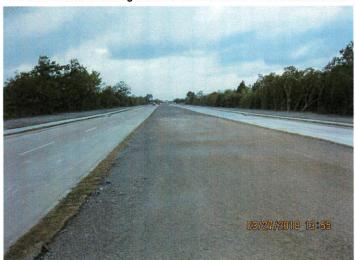
Looking East on West Bound Lanes from Chickory Woods Bridge



Looking East Towards San Pablo on East and West Bound Lanes



On the Median Looking East on Both East and West Bound Lanes



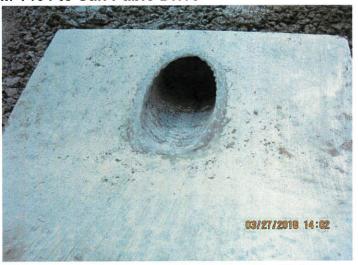
On the Median Looking East on East and West Bound Lanes



Maintenance Equipment Cross Over Looking Northeast



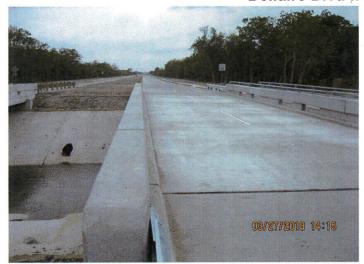
Looking East Towards San Pablo on East and West Bound Lanes



Looking West on the Ditch Showing 30-inch Outfall CMP



On the Median Looking East on East and West Bound Lanes



West Bound San Pablo Bridge Looking West



Looking East Towards San Pablo on East and West Bound Lanes



On West Bound Bridge Looking West Toward Chickory Woods



On the Median Looking East on East and West Bound Lanes



Looking East on West Bound Lanes Towards San Pablo



Looking East Towards San Pablo on East and West Bound Lanes



Looking Northwest to Detention Standing on North ROW



On the Median Looking East on East and West Bound Lanes



Standing on West Bound Chickory Woods Bridge Looking North



Looking East Towards San Pablo on East and West Bound Lanes



Standing on West Bound Chickory Woods Bridge Looking West

On the Median Looking East on East and West Bound Lanes

	FCME	ngineer	rs, P.C.	Bellaire Bouleva	ard from FM1464 to No. 1320 LIST OF SUBM	2	obility Project	Contrac Allgood Cons	
Submittal No.	Date Received	Spec. Section	No. of Pages in	Subject	Action	Expected Return Date	Comments	Reviewed by	Date Returned
1	5/3/2017	421	15	CONCRETE MIX DESIGN - CAMPBELL	No Exception	5/12/2017	None	Mark Taylor	5/12/2017
1A	6/14/2017	421	8	CONCRETE MIX DESIGN - REVISED	No Exception	6/14/2017	None	Mark Taylor	6/14/2017
2	6/6/2017	421	2	CAST-IN-PLACE MANHOLE	No Exception	6/16/2017	None	Frank Mbachu	6/16/2017
3	5/17/2017	421	15	CONCRETE MIX DESIGN - MANHOLES CEMEX	No Exception	6/5/2017	None	Frank Mbachu	6/5/2017
4	5/19/2017	360	8	PAVEMENT MIX DESIGN - ALLIED CONCRETE	No Exception	6/5/2017	None	Frank Mbachu	6/5/2017
5	5/17/2017	472	5	PRECAST CONCRETE INLETS OLD CASTLE	Exception as Noted	6/5/2017	The 23 1/2" cover should only be marked as indicated in Note 1.	Frank Mbachu	6/5/2017
6	6/5/2017	411	1	Drilled Shaft Mix Design NBG	No Exception	6/6/2017	None	Mark Taylor	6/6/2017
7	6/6/2017	440	2	REBAR REBAR KATY STEEL	No Exception	6/6/2017	None	Frank Mbachu	6/16/2017
8	6/6/2017	433	29	CEMENT SAND CEMENT SAND CHERRY COMPANIES	No Exception	6/6/2017	None	Frank Mbachu	6/16/2071
9	6/7/2017	221	2	LIME SLURRY (Lhoist North America)	No Exception	6/16/2017	None	Frank Mbachu	6/16/2017
10	6/9/2017	460	8	Reinforced Concrete Pipe (RCP)	No Exception	6/16/2017	None	Frank Mbachu	6/16/2017
11	6/14/2017	TX-422	19	Slab Beam Shop Drawings	No Exception	6/16/2017	None	Mark Taylor	6/16/2017
12	6/14/2017	411	20	Concrete Mix Design - Drill Shaft	No Exception	6/16/2017	None	Mark Taylor	6/16/2017
13	11/16/2017	442	8	MBGF Submittal Package	No Exception	11/20/2017	None	Mark Taylor	11/20/2017
15	1/12/2018		4	Pedestrian Railling	Exception as Noted	1/17/2018	The anchor bolt washer should be labeled as bar m1 instead of Bar k1. Do not resubmit.	Mark Taylor	1/17/2018

	FCM E	ngineer	rs, P.C.	Bellaire Boulevard from FM146 No. 1 LIST O	3202	10.7.20	ntractor: Construction
RFI No	Drawing No.	Date Submitted	Description	of Request	RFI Response	Date Responded	Processed Days
1	36	4/27/2017		ed Concrete Slab Beam Design Form (PSBND) contains no design engineer please occupy to form for all beams on each	Please refer to attached TXDOT Detail sheet for beam data	5/2/2017	2
2	32	4/28/2017	Please provide	e coordinates or station/offset and elevations for all break e slope paving below the bridges	Please find attached updated Bridge Plan Sheets with Elevations provided on the slope paving. Dimensions and Tie=downs have been provided on the plan for the slope paving. Coordinates can be obtained using the CAD files, and can be provided upon request	5/2/2017	2
3	n/a	4/28/2017	County specifi Bridges which bridge deck wi Harris County designations a Bridge Sidewa	the items on the bridges, the bid form references all Harris cations with the exception of the bridge deck for the Chickory references TxDOT Item 422. Please clarify that the San Pablo III follow TxDOT Item 422 as well even though it is listed as Item 360. Additionally, please clarify that the following mix are correct: 1. Class S per TXDOT Item 422 - Bridge Deck, IIk, and Bridge Median 2. Class B1 per Harris County Item 421 - s, Abutments, Approach Slabs 3. Class D per Harris County pe Paving	Both bridges shall use Harris County Item 360 1. Use Harris County Item 421 Class C2 for Bridge Deck, Bridge Sidewalk, and Bridge 2. Use Harris County Item 421 Class A2 for Columns, Caps, Abutments, Approach Slabs 3. Use Harris County Item 421 Class D for Slope Paving	5/2/2017	2
4	32 & 33	4/28/2017	14+88.67/93.4 Bridge Station 16+14.74/92.7 Stations/Eleve 2. The Begin a 37+76.73/91.3 Bridge Station 38+61.51/90.9 Stations/Eleve 3. The bearing conflicts with t confirm which 4. The bearing conflicts with t confirm which 5. Please conflicts with t to f. The width o match the wid Slab Beams – bridge widths widths. We be	and End Bridge Station/Elevation on Sheet 27 are 80' and 38+67.75/90.95'; this conflicts with the Begin and End /Elevation on Sheet 33 which are 37+81.51/91.30' and 95'. Please confirm the Begin and End Bridge titions. If or the Chickory Woods Bridge on Sheet 3 is N88°21'07"E; this he bearing on Sheet 32 which is N88°19'43.80"E. Please is correct. If or the San Pablo Bridge on Sheet 3 is N86°51'04"E; this he bearing on Sheet 33 which is N86°44'57.38"E. Please	4. Bearing for the San Pablo Bridge on Sheet 32 has been checked and verified correct as per original survey baseline. Civil plan sheet 3 should be corrected reflect this bearing. 5. The profile grade shown on the Bridge Plan is the Top of Curb elevation.	5/4/2017	2

FCM Engineers, P.C.		rs, P.C.	Bellaire Boulevard from FM1464 to San Pablo Mobility Project No. 13202 LIST OF RFI's		Contractor: Allgood Construction		
RFI No	Drawing No.	Date Submitted	Description	of Request	RFI Response	Date Responded	Processed Day
5	32 & 33	4/28/2017	TxDOT-Stand	d 33 call for a 20' Approach Slab 13" Thick BAS-C which is a ard. The Bridge Details on Sheet 36 call for a 10" Thick b – Harris County Standard. Which is correct?	Sheets 32 & 33 have been revised to show 10" thick as per Harris County Approach Slab Detail on sheet 36. Please see attached revised plans.	5/4/2017	2
6	32 & 33	5/11/2017		bearings are not 90° to the baseline bearing for both bridges. n if the abutments and bents are 90° to the baseline or skewed e.	Corrected the abutment bearings. Abutment bearings are 90° to the baseline for both bridges. See attached drawings.	5/12/2017	2
7	41	5/11/2017	Dead Load D	Variable Values on Sheet 41 for the slab beams is missing the effection values "A" and "B". Please furnish for the 4SB12, 2, and 5SB15 beams for their applicable span lengths.	Please use the Table on TXDOT Prestressed Concrete Slab Beam Spans (TY SB 12 or SB 15) SPSB-30 (attached) for requested value.	5/12/2017	2
8		5/17/2017	drawings. 1. The design for the 5SB12 with the slab I roadway". 2. On sheet n Transverse Sishear connec Section" for the Can you plea Transverse S Can you plea Detail". Also, please reverything is	e the information requested by the precaster on the attached sheet provided (attached) only indicates the slab beam designs and the SSB15 for a 24 ft. roadway Can you please provide us beam designs for the 4SB12 and the 4SB15 for a "24 ft." o. 75 (attached) the contract drawing indicate a "Typical action" for the 4SB12 and 5SB12 bridge only. Also indicating a tion detail. There was no sheet indicating a "Typical Transverse to 4SB15 and 5SB15 bridge. see provide us with the contract plan sheet with the "Typical action" for the 4SB15 and 5SB15 bridge. see verify if ALL Bridges will require the "Shear Connection and that we don't have a complete set to make sure that provided as required. The cover sheet "Index" does not indicate that are included as part of this project.	1."Can you please provide us with the slab beam design for the 4SB12 and the 4SB15 for a 24 ft. roadway. On TxDOT Sheet PSBSD: Use the 30' Roadway SB12 Beam for the 4SB15 data Use the 30' Roadway SB15 Beam for the 4SB12 data 2. Can you please provide us with the contract plan sheet with the "Typical Transverse Section" for the 4SB15 and 5SB15 bridge." The Layout is the same as the Typical Transverse Section for 4SB12/5SB12, please find attached sheet showing a Typical Transverse Section with 4SB15/5SB15. 3. "Can you please verify if ALL Bridges will require the "Shear Connection Detail." Yes, all bridges will require the Shear Connection Detail. 4. "Also, please note that we don't have a complete set to make sure that everything is provided as required. The cover sheet "Index" does not indicate all the sheets that are included as part of this project" Please refer to FCM Engineers for this item.	6/6/2017	4



Bellaire Boulevard from FM1464 to San Pablo Mobility Project No. 13202 LIST OF RFI's

Contractor: Allgood Construction

1			LIST	LIST OF RFI's		
RFI No	Drawing No.	Date Submitted	Description of Request	RFI Response	Date Responded	Processed Days
9		5/17/2017	Can you please provide the following information so that I have the information need to submit the contractor NOI 1. What is the name of first water body to receive the stormwater runoff? 2. What is the segment number of the classified water body that the dischawill eventually reach? 3. Is the discharge into an MS\$? 4. What is the name of the MS4 Operator 5. Are any surface water bodies receiving discharge from the construction on the latest EPA approved CWA 303(d) list of impaired waters? 6. If yes what is the name of the impaired water body receiving the discharge from the construction site?	3. Yes, It discharges Into MS4 4. Fort Bend County Drainage District 5. Yes 6. Country Club Bayou above Tidal, Segment No. 1007K	6/5/2017	1
10		5/17/2017	As you know the NTP for the Bellaire Blvd Project #13202 was issued for £ 17 like we discussed in the pre-construction meeting. I have not moved on due to not being provided with all the requested information. I have request control staking and CAD files so that we can setup on site but this informat has not been provided. As well from the engineer responses to RF12 and 4there have been revisions to the plans that have not been sent out. Until receive control staking, revised plans, and CAD files then we will not be moving on site to begin construction and would like to request a time extension from 5-15-17 until this information is provided and is correct. If you have any questions please let me know.	site ed A time extension will be approved for the days Allgood was no able to proceed with the work due to errors or omissions in the contract plans. Once allgood has sufficient plans to proceed the total number of days delayed will be calculated and added to the contract by Change Order.		1
11		6/14/2017	During the pre-construction meeting on 4-25-17 the railing for the bridge w discussed and the county had a possible desire to change the railing from steel rail to a concrete rail for ease of maintenance. Since the pre-con ther has not been any further information provided as to how we should procee with the railing. If a decision is not made quickly it could possible delay the process of fabrication of the railing. If changes will be made from the origin design can you please provide new drawings and plans. So that we can reprice the bid item pasted off the given the new quantities.	C223 rail. 3. Change rail on 8' sidewalk sections to TxDOT C223 rail. Bridge Near San Pablo:	6/17/2017	8

FCM Engineers, P.C.			s, P.C.	Bellaire Boulevard from FM1464 to San Pablo Mobility Project No. 13202 LIST OF RFI's		Contractor: Allgood Construction	
RFI No	Drawing No.	Date Submitted	Description	n of Request	RFI Response	Date Responded	Processed Days
11.1		6/14/2017	can you pleas where the rail wall for the at	e Railing in addition to the bridge revisions showing the railing se provide a cross section of the bridges with dimensions of will sit on the curb and sidewalk so that I can ensure the wing outment is in the correct location. The rail will sit on the wing wall the approach slab.	Revised Bridge Section, to show revised rails rails. Find attached revised plans and included TxDOC T223 and TxDOC C223	6/20/2017	10
12		6/16/2017	Joint (4")(SEJ bents for all fo is not typical o	s to be enough bid item quantity in the two Sealed Expansion -A) items to install joints at the abutments and the two interior our bridges although they are not called for on the plan sheets. It on a bridge of this length to see SEJ's at all bents, rather just at s. Please confirm whether SEJ's are required at all bents.	The drawing show that sealed expansion joints are to be installed at each bent, therefore the Contractor shall install a seal expansion joint at each bent	6/17/2017	2
13		6/19/2017	rebar and ele happened an 1. The reinfor during placen 2. The reinfor during placen being at grad 3. Issue 1 – F a. This was c shaft. b. Pum placement to nothing that c spoke with a there shouldr i. The shafts ii. The bottom iii. The bottom iii. The bottom iii. The bottom concrete to c c. The top of the constructives at least 5 d. For Shaft increased 4.6	teinforcing Steel Floating aused by pumping concrete too fast in a relatively small diameter p truck operator was instructed to slow down the rate of concrete prevent floating the rebar cages on future shafts. c. There is an be done about the reinforcing floating and being high. d. We structural engineer that we work with who's opinion was that it be a great concern about the rebar floating are compression members and not tension members if of our compression members and so the shaft of unreinforced shaft will be fine in compression members and moment should be dissipated within the top 1/3 of the shaft and be no moment load at the bottom of the shaft nor any tension	No objection Take	6/19/2017	1

FCM Engineers, P.C.

Date

Submitted

27-Jun

10/18/2017

11/22/2017

Description of Request

top of Slope paving

of the pedestrian rail.

specifications seems the fit the parameters.

how is this excavation measured and paid?

excavation is incidental to the Slope Paving

listed as a specification applicable to the project.

10/18/2017 offset will need to be extended in order for the 48" RCP to fit. We are in

For the junction box at STA 6+76 we have to issues.

pipe should we use to tie into the Junction Box 48" or 30".

retaining wall to solve both problems (see attached sketch).

The plans show channel excavation along the slope paying under each bridge. I understand that spoils from the slope paving is an incidental cost to placing the slope paving. Which would be the 5 inches in order to place forms and concrete. But the plans are showing to excavate the embankments on each of the bridge. In order to achieve the elevation called out on the plans we have calculated about 1700 CY of dirt that needs to be removed. It seems as if there is not a bid item to for channel excavation but item 120 of the

Should the channel excavation be a bid item that was missed since no other

item relates this material and plans show excavation? Below are survey

quantities that show the amounts for each bridge. From Existing Ground to

NBG's surveyor has come up with around 1,700 cy of channel excavation required under the bridges for the slope paving (see attached volume reports);

Item 491 " Reinforced Concrete Slope Paving" does not indicate that

• Item 120 " Excavation for Channels and Other Drainage Facilities" is

contact with the operator and they have notified their engineer as well. We are currently waiting for a phone call back after the one site visit yesterday.

1. We will need to remove 15'x23' of pavement of the existing left turn lane.

The plans show for this pavement to be proposed but actually it is in place.

2. After removing the existing manhole it was determined that the existing 48"

existing road way we are unsure what this line connects into. So what size of

For the San Pablo bridges, there is nothing for the off-bridge pedestrian rail to

attach to and a significant grade change from the existing trail to the location

Please advise and provide details for the retaining wall if you believe one is

needed or provide details on how the flange mounted rail it to be supported.

Contractor's recommendation: We believe there may need to be a small

During the time of removal the west bound lane will be reduced to 1 lane.

RCP had a 30" RCP inside of it. Since this existing RCP goes under the

Item 120 "Excavation for Channels and Other Drainage Facilities" During the bore for the 48" Storm Sewer we came in contact with the existing force main. The 45 degree bend is inside the proposed storm sewer path. The

Drawing

No.

RFI No

14

15

16

17

Bellaire Boulevard from FM1464 to San Pablo Mobility Proiect No. 13202 LIST OF RFI's

L	4 to San Pablo Mobility Project 3202 F RFI's		ntractor: I Construction
	RFI Response	Date Responded	Processed Days
.,	We concur that the contractor should be compensated for the excavation along the concrete slope paving under each bridge:	27-Jun	1
-			
	1. Remove and Replace Pavement to install the Junction Box at Sta. 6+76. Close one west bound lane till the pavement is replaced. 2. After investigation is was determined that only one joint of 48" RCP was placed. Remove the 48" RCP and connect the 30" into the Junction Box. Update the record drawings to reflect a 30" RCP instead of the 48".	10/18/2017	
The second second	Please see attached pedestrian railing along thickened sidewalk section.		

12/9/2017

18

Proposed 6' wide thickened sidewalk will extend from the

bridge to the end of the proposed slope paving. The rail will attach to the thickened sidewalk as per attached detail.

Slope paving will be provided from edge of proposed sidewalk

to meet slop paying from the proposed ditch. See attached

FCM Engineers, P.C.			rs, P.C.	Bellaire Boulevard from FM1464 to San Pablo Mobility Project No. 13202 LIST OF RFI's			Contractor: Allgood Construction	
RFI No	Drawing No.	Date Submitted	Description of Request		RFI Response	Date Responded	Processed Days	
19	44' awayy from the bridge parapet and a storm inlet is locate side of the light pole. If TxDOT standard BED-14 is followed minimum of 25' length of the MBGF will be required. When t and Transition pieces are added to the minimum 25' length, assembly is 48'-6" but due to the light pole, inlet location and provide the required taper at the end of the total length increase covers acess into the cover for the inlet. If TxDOT standard Guard Fence (GF 31-14) is followed there is nominimum ler specified. Following GF (13-14), a standard 12'-6" piece of resistance with combined length of assembly totaling 34' Plea:		8'-6" but due to the light pole, inlet location and the need to quired taper at the end of the total length increases to 61' and into the cover for the inlet. If TxDOT standard for Metal Beam (GF 31-14) is followed there is nominimum length for MBGF owing GF (13-14), a standard 12'-6" piece of rail would be combined length of assembly totaling 34' Please identify if the cceptable and if not which detail to use and the length of the	d just on the east per Note 10, a per terminal end the total rail the need to asses to 61' and or Metal Beam gith for MBGF ail would be e identify if the length of the		0		
20	33	3/23/2018	the control of the second state of the second of	photos for the sidewalk edge conditions on the west side of San Structure and advise	Our original design provided pedestrian rails on both sides of theSan Pablo Bridge. Fort Bend County Requested that we change the design. Please find the attached a pdf of the original design in RFLNo. 11	3/26/2018	3	
_								

Svatek, Donna

From:

Don Durgin < Don.Durgin@rpsgroup.com>

Sent:

Thursday, April 26, 2018 4:15 PM

To:

Svatek, Donna Harris, Britten

Cc: Subject:

FW: [EXT] FCM Engineers, PC Final Invoice No 18. for Bellaire Boulevard from FM 1464

to San Pablo

Attachments:

FCM Invoice 18 to RPS Klotz.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Donna,

FCM did not follow the direction to submit this invoice to you, but sent it directly to me instead. However, I have reviewed and recommend approval. Please process for payment. This is their final invoice.

Don Durgin
Department Manager
RPS | Infrastructure
1160 N Dairy Ashford, Suite 500,

1160 N Dairy Ashford, Suite 500, Houston, Texas 77079 USA

T +1 281 589 7257

F +1 281 589 7309 M +1 713 269 3913

E <u>Don.Durgin@rpsgroup.com</u>

W www.rpsgroup.com/usa

Formerly Klotz Associates

From: Frank Mbachu [mailto:fmbachu@fcm-engineers.com]

Sent: Wednesday, April 11, 2018 7:19 PM **To:** Don Durgin < Don. Durgin@rpsgroup.com> **Cc:** Bassem Talje < Bassem. Talje@rpsgroup.com>

Subject: [EXT] FCM Engineers, PC Final Invoice No 18. for Bellaire Boulevard from FM 1464 to San Pablo

Dong

Attached is the FCM Final Invoice on Bellaire Boulevard from FM 1464 to San Pablo. If you have any questions, please let me know.

Dr. Frank C. Mbachu, P.E., DEE FCM Engineers, P.C.

9700 Richmond Avenue, Suite 250

Houston, Texas 77042 *Tel: (713) 706-4414*

Fax: (713) 706- 4410

e-mail: fmbachu@fcm-engineers.com