

PO#137085 BH Unel Per 459

**AVILES ENGINEERING CORPORATION** 

Email to:

5790 Windfern Road, Houston, Texas 77041 - 713-895-7645 - Fax 713-895-7943

## Invoice

Invoice Date:	07/31/18	AEC Invoice No.:	071841C
AEC Project No.:	C121-16	AEC Customer ID:	FTBCENG

**Client: Fort Bend County** 

Fort Bend County Engineering Department

Project: FM 1093/Westpark Tollway Expansion Project, Phase 1

P. O. No.: 137085 Includes: Agreement, Amendment & 2nd Amendment

Bill to:
Fort Bend County Engineering Department

Attn: County Engineer

301 Jackson Street Richmond, Texas 77469 Vanessa Wallace vwallace@pascorp.net

A100	Services Prov	vided:	Net Amount Due
Constructi	on Materials Testing	and Inspection Services	
	on the above Refer		\$680.25
	See Attached Page/s for	6.	,
		F	
		Subtotal	\$680.25
Terms: Net 30		Total Due this Invoice:	\$680.25
	PROJECT INV	OICING SUMMARY TO DATE	
		Contract Amount:	\$330,000.00 V

Amount of this Invoice:
Amount of Previous Invoices:
Amount Invoiced including this Invoice:
Amount Remaining including this Invoice:
Percent of Contract Complete:

\$330,000.00 \$\$
\$680.25 \$\$
\$320,442.53 \$\$
\$321,122.78 \$\$
\$8,877.22 \$\$

97.3%

Please Remit to: Aviles Engineering Corporation 5790 Windfern Road Houston, Texas 77041

Please Include Invoice Number on all Pemittance. Thank You and We Appreciate Your Business.

**APPROVED** 

By Mike Stone at 1:27 pm, Aug 16, 2018

REO 8-8-18

Project: FM 1093/Westpark Tollway Expansion Project, Phase

AEC Project No.:

C121-16

Client: Fort Bend County

Fort Bend County Engineering Department

Invoice Date: 07/31/18

Invoice No.:

071841C

			11110100 11011	V/1041C			
	Report				Unit		
Date	No.	Description	Quantity	Unit	Rate	Aı	mount
7/20	1082	Engineering Technician	2.5	Hour	\$ 51.00	\$	127.50
		Trip Charge - Vehicle and Time	1	Trip	\$125.00	\$	125.00
		Project Engineer	0,25	Hour	\$149.00	\$	37.25
7/20 1083	Concrete Compression Test	6	Each	\$ 17.00	\$	102.00	
		Project Engineer	0.25	Hour	\$149.00	\$	37,25
7/20	1084	Senior Engineering Technician - OT Min. Chg.	2	Hour	\$ 97.00	\$	194.00
		Vehicle - Minimum Charge	2	Hour	\$ 10.00	\$	20.00
		Project Engineer	0.25	Hour	\$149.00	\$	37.25
					Total =	\$68	80.25

## **TESTING LAB FIELD REPORT**

Aviles Engineering Corporation 5790 Windfern Road Houston, TX 77041 713-895-7645

Daily	K	Mix Dgn. Rev. HMAC		Date:	07/20/2018	
Pickup		Mix Dgn. Rev.Concrete		Test Control Number:	2568	
Cancellation		_		Report Number:	1082	
Miscellaneous		Mix Dgn. Rev. Quantity	0	Approval Version:	3	
Testing Lab:	Aviles En	glneering Corporation		Contractor:		
Project Name: Project No.:	FM 1093 1258-03-	Phase 1 042, ETC.				
Contact Name:				Requested by:		
Phone #:				Phone #:		
Specification:				•		
Depart Lab:	13:00			Total Hours:	Regular*	2.50
Arrive Site:	13:00				Overtime*	0.00
Depart Site:	15:30			Vehicle Hours:		
Arrive Lab:	15:30			<b>Nuclear Density Gauge</b>	Hours:	0.00
Lunch (hrs):						
Mileage Out:						
Mileage In:				Special Equipment:		
	g Corporat	tion (AEC) technician arrive and inspection services we		nced project to provide to	esting and insp	ection
Concrete Placement	Testing an	nd Inspection and molded 1	set of 6 cylinders.			
If there are any ques convenience.	tions conce	erning this report or if we ca	an provide any additio	nal information, please c	ontact us at yo	ur
<b>D</b>	orlan Asio	Tookulsion		E	Two Miller	and s
Prepared by:	anos Avina	ı, Technician		Approved by:	Ortwerth, P.E.,	lah
Certification:					Onwenn, P.E., :1/2018	FOU
					-· • • •	

The above work was inspected/ sampled and tested in the manner described, and the result(s) are hereby certified by the undersigned as complete and accurate, This report shall not be reproduced except in full, without the permission of the testing laboratory. These results relate only to samples tested,



5790 Windfern, Houston, Texas 77041 - 713-895-7645 - Fax 713-895-7943

LHOMELIANO COM.	•		REPORT NO.:	
	OJECT ACTIVITY	REPORT	1082	
CLIENT:		en e	DATE:	
FDC			07-20-18	
PROJECT LOCATION:	La La managa II .	Dl 1	DAY:	1
FM 1093/U	restpark Tollur	y Phase I	AEC PROJECTIONO:	
1093 and 9	C <sub>4</sub>		121-16	
CONTRACTOR:	<u> </u>		REQUESTED BY:	
			`	İ
TE	CHNICIAN or PRO	JECT MANAGE	R TIME	<u> </u>
TECHNICIAN or PROJECT MANAGE		ASSIFICATION:		
Carlos Avy	na f	74-1 BB102		
Leave Office:	Arrive Site:	Leave Site:	Arrive Office:	ŀ
Lunch:	Standby:	9:30 PM	Total Hours:	<u> </u>
runen:		Overtille.	2,	5
TEST / SERVICE	REMARKS: QUANTITY (Samp	le No. / Location / Observ	rations / Actions)	HOURS
PIC		n growed at		
7.10		•	JONS 172	
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	were D	laced 1 Set	-cre 6	
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	Slump	• •	autist	
	uns per	formed		
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Therm. ID: Ma	x Field Temp:	Min Field Temp:	JOTAL =	
Caulos A.	07-20-18	7/11.11	MAT 7-	20-18
TECHNICIAN OF PROJECT MANAGER		CLIENT REPRESENTATIVE	DATE	<u>`</u> ~

## Concrete Field Testing and Compressive Strength

Aviles Engineering Corporation 5790 Windfern Road Houston, TX 77041 713-895-7645

Sample ID:

F379

Sampled Date:

07/20/2018

**Test Control Number:** Traceability No.:

2567

Report Number:

1083

Project Number:

1258-03-042, ETC.

Lab:

Aviles Engineering Corporation - QA

Sample Type:

Random-Independent Original

Split Sample ID: Section:

Report Type:

Carlos Avina

Spec Year:

2004

Inspector/Technician: Material:

Spec Item:

421

Supplier/Producer:

Structure Number:

Allied Concrete - 166

Special Provision: Grade:

Sample Location:

Pilot Channel

**BATCH INFORMATION** 

Feature: Roadway:

Random Number:

2489+03

Direction: Distance from CL:

Misc:

Test Method:

Station:

Tex-418-A

PUMPED PLACEMENT RESULTS

Truck #:	6103	Batch Size:	10	Pump Slump Loss:
Sample Time:	14:15	Agg Size:	1 1/2	Placement Slump:
Design Water:	217	Actual Water:	217	Pump Air Loss:
Water Added:	10	Total Water:	300.3	Placement Air:
Batch Time:	13:14	Ticket #:	7098026	
Spec. Temp:	0-0	Spec, Slump:	3-5	Spec. Air Content: 3 - 5.5

		FIELD	TEST RESULTS		
Concrete Temperature (°F)	95	Slump:	5.5	Agg, Correction Factor:	
Air Temperature (°F):	98	Unit Weight:		Corrected Air Content:	0.8

		CONCRETE CYLINDERS INFORMATION	
Concrete Class:	В	Req. Strength (psi):	2000
Specimen Size:	6X12	Mix ID:	21134001

Specimen	Age	Test	Агеа	Load	Strength	Туре	Tested By
	(Days)	Date		(ibs)	(psi)	Fracture	
F379A	7	07/27/2018	28.463	44700	1570	6	Jose Morin
F379B	7	07/27/2018	28.463	44910	1580	6	Jose Morin
F379C	28	08/17/2018	0	0	0.0		
F379D	28	08/17/2018	0	0	0.0		
F379E	56	09/14/2018	0	0	0.0		
F379F	56	09/14/2018	0	0	0.0		

Average 7 Day Compressive Strength, psi: 1580

Average 28 Day Compressive Strength, psi:

Test Result:

Remarks:

Pilot Channel from Station 2487+84 to 2489+41

Approved by:

Ronald Ortwerth, P.E.

Approved Date: 07/31/2018

Printed on: 7/31/2018

<sup>\*</sup> Denotes test(s) not meeting specifications.

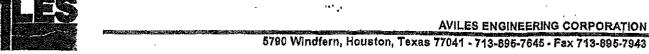
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## **TESTING LAB FIELD REPORT**

Aviles Engineering Corporation 5790 Windfern Road Houston, TX 77041

	aily 🔲	Mix Dgn. Rev. HMAC	Date	: 07/21/2018		713-895-764
Pici Cancellat	kup 区 tion □	Mix Dgn. Rev.Concrete	Test Control Number Report Number:	2566 1084		
Miscellane		Mix Dgn. Rev. Quantity 0	Approval Version:			
Testing Lab:	Aviles E	Engineering Corporation	Contractor			
Project Name: Project No.:		3 Phase 1 3-042, ETC.				
Contact Name: Phone #:			Requested by: Phone #:			
Specification:			, none m			
Depart Lab: Arrive Site:	14:00 14:00		Total Hours:	Regular* Overtime*	0.25	
Depart Site:	14:15		Vehicle Hours:	o vertilite	0.00	
Arrive Lab:	14:15		Nuclear Density Gaug	e Hours:	0.00	
Lunch (hrs):						
Mileage Out: Mileage In:			Special Equipment:			
services. The fol	ering Corpor lowing testin	ration (AEC) technician arrived at the abo g and inspection services were provided	•		ection	
Picked up 1 set o	of 6 cylinders	from the project site and delivered to AE	C's laboratory for curing and testi	ng.		
If there are any q convenieπce.	uestions con	cerning this report or if we can provide a	ny additional information, please o	contact us at yo	our	
•						
Daniel Krahn - AC	CI-I/SB101 &	SB102				
Prepared by: Certification:	William L. V	Vood, Technician		Ortwerth, P.E.	Lab	
			Tipp. Group Button Giro	er control a real		

The above work was inspected/ sampled and tested in the manner described, and the result(s) are hereby certified by the undersigned as complete and accurate, This report shall not be reproduced except in full, without the permission of the testing laboratory. These results relate only to samples tested.



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DAILY PR	OJECT	4 <i>CTÌVITY</i>	REPORT	KEPU	1084	
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2-13			•		7-21-18	
PROJECT LOCATION:	1	99 Tollway		DAY:	iat.	
ROJECT NAME:	nd W. ot	7.7			ROJECT NO.:	
FBC W	estpark.	Talleman		1	21-16	
CONTRACTOR:		100,100,7	1	7	STED BY:	
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		REMARKS:				]
TEST / SERVICE	QUANTITY		ple No. / Location / Observ		· · · · · · · · · · · · · · · · · · ·	Hours
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		Returned	to lab for tes	tha		
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CHNICIAN OF PROJECT MANAGE	7 DAT	21-10 F	CLIENT REPRESENTATIVE	<u> </u>	DATE	· · · · · · · · · · · · · · · · · · ·
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