

PO # 153615  
ams

## FORT BEND COUNTY ENGINEERING

### CHANGE ORDER

Distribution:

- FBC Engineering
- FBC Judge
- FBC Purchasing
- Contractor
- Consultant

Address: 301 Jackson Street  
Richmond, Texas 77469  
Phone: 281-633-7500  
Fax: 281-342-7366  
Web site: www.FortBendCountyTx.gov

PROJECT:  
Cane Island Parkway from FM 1463 to I-10.

CHANGE ORDER NUMBER .....	002
DATE .....	01/12/2018
PROJECT NUMBER .....	13306
CONTRACT FOR .....	\$4,478,858.50
CONTRACT DATE .....	06/14/2017
FBC PURCHASE ORDER NO .....	153615

CONTRACTOR:  
Earth Builders

The contract is changed as follows:

Item 141 is overrun due to bid estimate error. Fort Bend is responsible for the removal of existing fence and install a new fence along the east Right of Way line of Bain's properties from Approx. Sta 29+00 to Approx. Station 52+00 to keep livestock from crossing into project site. The original bid quantity for barb wire fence is 1500 LF, the new quantity for barb wire fence is 2521 LF, an overrun of 1021 LF. The overrun quantity has been confirmed by Fort Bend. The total change in cost is \$5,105.

Fort Bend Drainage District and utilities companies requested the contractor to replace the two existing 2-16' single drive gates when install the new barb wire fence along the east Right of Way line of Bain's properties, one on the north side of Willow Fork bayou and one over the existing pipe line for access. The total change in cost is \$1,300.

Fort Bend County Drainage District requested the contractor to install a water crossing gate across at Willow Fork Buffalo Bayou along the new barb wire fence at east Right of Way line of Bain's Properties to keep the livestock from crossing into project site, the total change in cost is \$2,500.

Per agreement between Fort Bend County and Dow Chemical Company, Zero Slabs are required for all proposed paved crossings over Dow Chemical existing pipelines if there is less than 60" of undisturbed soil between the top of the pipeline and the bottom of the proposed facility. The existing cover over Dow Chemical pipeline from the proposed roadway at Cane Island Parkway is less than 60". The contractor is required to install a zero slab loading over the pipeline per agreement. The total change in cost is \$24,625.74 (please see attached file for calculation). The unit price of \$719.42/CY is fair and reasonable compare to the bid price for class "C" concrete of \$900/CY.

Addendum No. 4 added an item for Temporary Traffic Signals, the unit price the Temporary Traffic Signal is \$6,265, this unit price is fair and reasonable. The total change in cost is \$6,265.

Per Plan Addendum No. 5 Fort Bend requested the design engineer to have 6" articulate block concrete at the storm sewer outfall at station 1+87. The unite price for 6" Thick Articulating Concrete Block is \$82.50/SY, AECOM has confirmed the unit price of \$82.50/CY is fair and reasonable. The total change in cost is \$82.50/SY \* 203 SY = \$16,747.50.

Per Addendum No. 6, Fort Bend County Drainage District requested to have 4'x2' box culvert installed from Station 39+57.74, 124.59' RT to Station 41+21.25, 55.25' LT, to drain water from Bain Property through the project limits to the the west side of proposed roadway. The unit price for Single Box Culvert 4ft x 2ft is \$203.60/LF, AECOM confirmed the price is fair and reasonable. The total change in cost is \$203.60/LF \* 243 LF = \$49,474.80.

There is significant soil erosion on both banks of Willow Fork channel where it crosses under the Cane Island proposed bridge. Fort Bend, AECOM, EHRA and Earth Builders met on site to make an evaluation and limit or eradicate future mainteance issues. Fort Bend requested EHRA to provide the contractor with an addendum for the design. Per Addendum No. 8, the contractor is to install 18" concrete protection riprap along the north and south banks of the channel

bend on the west side of the proposed bridge, excavate the channel bottom and line the channel with 18" stone protection riprap (FL 121.60) to extend 13' outside of the ROW on the east side of the proposed bridge and up to the ordinary high water marking. The addendum also required placing 5" thick concrete slope paving from ordinary highwater mark to the proposed ditch bank from west ROW to east ROW. The unit price for 18" Stone Protection Riprap is \$153.61/CY, AECOM confirmed the unite price of \$153.61/CY is fair and reasonable. The total change in cost is 600 CY \* \$153.61/CY = \$92,166.00.

08/10/2017 - Ft. Bend informed the Contractor that the TxDOT AFA had not been approved which prevented the contractor from starting any work within TxDOT ROW. Since FM 1463 and the North Side of Cane Island Parkway are inside TxDOT ROW, the advanced funding agreement (AFA) between Ft. Bend County and TxDOT needs to be executed and approved before any work can begin inside TxDOT ROW. Earth Builders contract bid and the completion date is predicated upon starting work along FM 1463 very early in the project. The contractor's schedule required work to progress on Cane Island and FM 1463 simultaneously.

Due to unidentified requirements from the pipeline companies, the contractor was required by the pipeline representatives to place double mats over the pipeline easment for equipment access and to install a zero loading slab over the Dow Chemical pipeline. This resulted in several additional weeks of lost time.

08/25/2017 - Harvey, a Category 4 hurricane made landfall in South East Texas. Rainfall from the storm dropped approximately 40 inches or rain over the area and the flooding that resulted was a cause of lost time that was out of the contractor's control.

During this period, and for these reasons listed above, Earth Builder's was not able to work efficiently on the project. Earth Builders is requesting approval of a 96 day time extension from Fort Bend County to reflect the time lost.

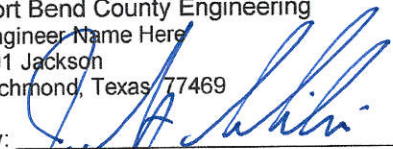
The contract start date was 07/10/2017, the contractor and County agreed to charge time based on a seven day work week, every day of the week would be counted as a work day. The project duration was 270 days with a completion date of 04/07/2018. Due to the unforeseen conditions stated above, the new completion date will be 07/12/2018 which is 96 days from 04/07/2018.


**Not valid until signed by Fort Bend County and Contractor.**

The Original ( <b>Contract Sum</b> ) .....	\$	4,478,858.50
Net change by previously authorized Change Orders .....	\$	39,945
The ( <b>Contract Sum</b> ) Prior to this Change Order was .....	\$	4,518,803.50
The ( <b>Contract Sum</b> ) will be <input checked="" type="checkbox"/> increased <b>or</b> <input type="checkbox"/> decreased <b>or</b> <input type="checkbox"/> unchanged by this Change Order in the amount of .....	\$	198,184.04
The new ( <b>Contract Sum</b> ) including this Change Order will be .....	\$	4,716,987.54

The Contract Time will be  increased **or**  decreased **or**  unchanged by **96** days.  
 The Date of Substantial Completion as of this Change Order therefore is  
 changed **or**  unchanged to **07/12/2018**.

Authorized:

Fort Bend County Engineering  
 Engineer Name Here  
 301 Jackson  
 Richmond, Texas 77469  
 By:   
(signature)  
 DATE: 01/18/18

CONTRACTOR  
 By:   
(signature)  
 DATE: 01/12/2018

Fort Bend County Judge  
 Honorable Robert E. Hebert  
 301 Jackson St., #719  
 Richmond, Texas 77469  
 By: \_\_\_\_\_  
(signature)  
 DATE: \_\_\_\_\_

## Svatek, Donna

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**From:** Slawinski, Stacy  
**Sent:** Tuesday, January 16, 2018 7:22 AM  
**To:** Harris, Britten  
**Cc:** Crawford, Wesley; Svatek, Donna; Huy Ton  
**Subject:** Fw: Cane Island - Estimate Invoice No. 6 and CO 2  
**Attachments:** Revised Change Order No. 2.pdf

Britten,

Please include the attached change order on next Tuesday's agenda. I will sign the document tomorrow.

Thanks,

**Stacy Slawinski**

[stacy.slawinski@fortbendcountytexas.gov](mailto:stacy.slawinski@fortbendcountytexas.gov)

281-633-7508 office

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**From:** Ton, Huy <Huy.Ton@aecom.com>  
**Sent:** Friday, January 12, 2018 5:15 PM  
**To:** Slawinski, Stacy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Stacy,

Attached file is Revised Change Order No. 2

**Huy Ton, PE**

Cell: 617-818-8557

**AECOM**

19219 Katy Freeway

Suite 100

Houston, TX 77094, USA



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**From:** Slawinski, Stacy [mailto:Stacy.Slawinski@fortbendcountytexas.gov]  
**Sent:** Thursday, January 11, 2018 10:54 AM  
**To:** Ton, Huy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Can you revise CO 2 and resubmit by tomorrow? Let me know if you have any questions.

Thanks,  
**Stacy Slawinski**  
[stacy.slawinski@fortbendcountytexas.gov](mailto:stacy.slawinski@fortbendcountytexas.gov)  
281-633-7508 office

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**From:** Ton, Huy [<mailto:Huy.Ton@aecom.com>]  
**Sent:** Thursday, January 11, 2018 10:36 AM  
**To:** Slawinski, Stacy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Stacy,

There will be time extension, approximately 73 days. I met and discussed with Jerry about the schedule, the critical path, float days, and what may affect the schedule, and how tight there schedule is. The finished day will be June 28<sup>th</sup> with no float day or rain day. I am working on a CO for time extension.

Thank you!

**Huy Ton, PE**  
Cell: 617-818-8557

**AECOM**  
19219 Katy Freeway  
Suite 100  
Houston, TX 77094, USA



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**From:** Slawinski, Stacy [<mailto:Stacy.Slawinski@fortbendcountytexas.gov>]  
**Sent:** Thursday, January 11, 2018 10:13 AM  
**To:** Ton, Huy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Huy,

We signed the estimate and change order, so they will be on the January 23<sup>rd</sup> Court agenda. The pay estimate indicates the work is 47% complete, the time is 65% expended, and there was no time extension included for the additional work on the CO.

Does the contractor plan to complete the work by April 7<sup>th</sup>, or is a time extension warranted? Let me know if you have any questions.

Thanks,  
**Stacy Slawinski**  
[stacy.slawinski@fortbendcountytexas.gov](mailto:stacy.slawinski@fortbendcountytexas.gov)  
281-633-7508 office

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**From:** Ton, Huy [<mailto:Huy.Ton@aecom.com>]  
**Sent:** Tuesday, January 09, 2018 4:24 PM  
**To:** Slawinski, Stacy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Stacy,

The estimate does not include any change order work.

**Huy Ton, PE**  
Cell: 617-818-8557

**AECOM**  
19219 Katy Freeway  
Suite 100  
Houston, TX 77094, USA



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**From:** Slawinski, Stacy [<mailto:Stacy.Slawinski@fortbendcountytexas.gov>]  
**Sent:** Tuesday, January 09, 2018 3:35 PM  
**To:** Ton, Huy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** RE: Cane Island - Estimate Invoice No. 6 and CO 2

Huy,

Does the Pay Estimate include the Change Order work?

Let me know if you have any questions.

Thanks,  
**Stacy Slawinski**  
[stacy.slawinski@fortbendcountytexas.gov](mailto:stacy.slawinski@fortbendcountytexas.gov)  
281-633-7508 office

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**From:** Ton, Huy [<mailto:Huy.Ton@aecom.com>]  
**Sent:** Tuesday, January 09, 2018 8:06 AM  
**To:** Slawinski, Stacy  
**Cc:** Crawford, Wesley; Halvorsen, Clifford; Loethen, Amanda  
**Subject:** Re: Cane Island - Estimate Invoice No. 6 and CO 2

Stacy,

The one I submitted have has the paving adjusted.

Huy Ton PE  
(617) 818-8557

**AECOM**

[19219 Katy Freeway](#)  
[Suite 100](#)  
[Houston, TX 77094, USA](#)  
[aecom.com](#)

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On Jan 9, 2018, at 07:03, Slawinski, Stacy <[Stacy.Slawinski@fortbendcountytexas.gov](mailto:Stacy.Slawinski@fortbendcountytexas.gov)> wrote:

Please resubmit after the paving is adjusted.

Stacy

On Jan 8, 2018, at 1:51 PM, Ton, Huy <[Huy.Ton@aecom.com](mailto:Huy.Ton@aecom.com)> wrote:

Stacy,

Attached file is Cane Island Pay Estimate No. 6 and CO 2. I have asked the contractor to adjust the paving amount, and mentioned it won't be paid until there is a resolution.

Huy Ton, PE  
Cell: 617-818-8557

AECOM  
19219 Katy Freeway  
Suite 100  
Houston, TX 77094, USA

[AECOM Logo.png]

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<image001.jpg>

<Signed Change Order No. 2.pdf>

<1295 For Change Order No. 2.pdf>

<1702-Revised Pay Estimate #6 Reviewed.pdf>

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