



Hidalgo County Commissioner's Court
 2818 South Business Hwy. 281
 Hidalgo County Budget and Management Div
 Edinburg TX 78539

Invoice Date: 09/30/2020
 Invoice: 10042841
 Project: 038090.001

Contract #
 C-20-086-03-10
 Work Authorization
 No. 1

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

Attention: Leticia Saenz, leticia.saenz@co.hidalgo.tx.us
 Project Name: Hidalgo County Precinct 4 Flood Masterpl

For Professional Services Rendered through: September 13, 2020
 Ms. Leticia Saenz
 Professional Engineer Services for
 Drainage Study & Assessment Project at Hidalgo County Precinct 4
 Account No. 0-1200-431-00.124-007-0-334
 Requisition No. 412716

NOV 10 2020

10:58 AM/PM

BY: Diara

Lump Sum	Fee	Pct. Comp	Earned To Date	Previous Amount	Current Amount
000100 - Project Management	32,900.00	45.00	14,805.00	11,515.00	3,290.00
000200 - Data Collection	16,450.00	100.00	16,450.00	16,450.00	0.00
000300 - Drainage Problem Identification	115,150.00	85.00	97,877.50	86,362.50	11,515.00
000400 - Develop Drainage Solution	98,700.00	15.00	14,805.00	9,870.00	4,935.00
000500 - Prepare Drainage Master Plan	49,350.00	0.00	0.00	0.00	0.00
000600 - Quality Assurance	16,450.00	35.00	5,757.50	5,757.50	0.00
Total Lump Sum Services:	329,000.00	45.50	149,695.00	129,955.00	19,740.00

Remaining Fee: 179,305.00

Total Earned to Date: 149,695.00
 Less Previous Billed: 129,955.00
Amount Due this Invoice: 19,740.00

Outstanding Invoices:

Number	Date	Balance
10038770	06/18/2020	41,783.00
10040014	07/17/2020	27,965.00
10041614	08/26/2020	43,592.50
Total		113,340.50

0-1200-431-00-124-007-0-334

Remit payment to P.O. Box 678316, Dallas, TX 75267-8316
 Reference Project 038090.001 and Invoice 10042841
 Contact Karen Highlander at khighlander@halfffitex.com with any billing questions.



5000 West Military, Ste 100
McAllen, Texas 78503
(956) 664-0286
Fax (956) 664-0282

MEMORANDUM

TO: Hidalgo County Drainage District No. 1
Hidalgo County Precinct No. 4

DATE: October 16, 2020

FROM: Roxxie Mann, PE

AVO: 038090.001

EMAIL: rmann@halff.com

SUBJECT: Monthly Progress Report – September 2020
Hidalgo County Precinct 4 Drainage Study

Halff Associates, Inc. (Halff) was authorized by the Hidalgo County Precinct No. 4 (Pct 4) to perform engineering services to analyze and identify flood risk areas in Precinct 4 and recommend drainage solutions. This Monthly Progress Report summarizes work performed by Halff over the past month and follows the Billing Breakdown approved by Hidalgo County Drainage District No. 1 (HCDD1).

Project Management

Weekly (internal) team meetings were held for project updates and scheduling.

Data Collection

Completed as of June 2020.

Drainage Problem Identification

A meeting was held on 7/28/20 with the HC Pct 4 and HCDD 1 to present the existing preliminary conditions hydraulic model for a 100 yr and 10 yr storm event. See attached. Within these exhibits, 10 risk areas of concern were identified and presented for client's concurrence.

The existing conditions preliminary hydraulic model was updated with the latest existing conditions information: survey reconnaissance and 2012/2018 bond project improvements plans that were provided by HCDD1.

Survey was performed from 08/03/20 to 08/07/20. See attached. Plans for the 2012/2018 bond projects were received on 08/04/20.

As the "Develop Drainage Solutions" task continues, the original 10 risk areas of concern are being confirmed and finalized or being adjusted, as needed, to provide the most impacted area that will benefit the highest amount of structures/properties as possible. To date, the following Areas have been finalized: E, F and H.

Develop Drainage Solutions

The team has identified Areas E, F and H as the first group of areas to be analyzed. The design scenarios being proposed incorporate large channels and detention ponds. Some scenarios will also incorporate upgrades to the existing neighborhood's underground stormwater infrastructure or implementation of underground stormwater improvements.

The design scenarios for Areas E and F have been submitted to the Quality Assurance/Quality Control agent and is currently under review.



5000 West Military, Ste 100
McAllen, Texas 78503
(956) 664-0286
Fax (956) 664-0282

Prepare Drainage Master Plan

N/A

Quality Assurance / Quality Control

All portions of the modeling and calculations are being reviewed by a Halff employee experienced in hydrologic and hydraulic modeling but not on the team for this project. The existing conditions preliminary hydraulic model was reviewed, and comments were addressed. The design scenarios for Areas E, and F are currently under review and comments will be addressed by the team once received.



Hidalgo County Commissioner's Court
 2818 South Business Hwy. 281
 Hidalgo County Budget and Management Div
 Edinburg TX 78539

Invoice Date: 10/20/2020
 Invoice: 10043569
 Project: 038090.001

Contract #
 C-20-086-03-10
 Work Authorization
 No. 1

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

Attention: Leticia Saenz, leticia.saenz@co.hidalgo.tx.us
 Project Name: Hidalgo County Precinct 4 Flood Masterpl

For Professional Services Rendered through: October 11, 2020
 Ms. Leticia Saenz
 Professional Engineer Services for
 Drainage Study & Assessment Project at Hidalgo County Precinct 4
 Account No. 0-1200-431-00.124-007-0-334
 Requisition No. 412716

NOV 10 2020

10:58 AM/PM
 BY *Orana*

Lump Sum	Fee	Pct. Comp	Earned To Date	Previous Amount	Current Amount
000100 - Project Management	32,900.00	55.00	18,095.00	14,805.00	3,290.00
000200 - Data Collection	16,450.00	100.00	16,450.00	16,450.00	0.00
000300 - Drainage Problem Identification	115,150.00	90.00	103,635.00	97,877.50	5,757.50
000400 - Develop Drainage Solution	98,700.00	25.00	24,675.00	14,805.00	9,870.00
000500 - Prepare Drainage Master Plan	49,350.00	0.00	0.00	0.00	0.00
000600 - Quality Assurance	16,450.00	45.00	7,402.50	5,757.50	1,645.00
Total Lump Sum Services:	329,000.00	51.75	170,257.50	149,695.00	20,562.50

Remaining Fee: 158,742.50

Total Earned to Date: 170,257.50
 Less Previous Billed: 149,695.00

Amount Due this Invoice: 20,562.50

Outstanding Invoices:

Number	Date	Balance
10038770	06/18/2020	41,783.00
10040014	07/17/2020	27,965.00
10041614	08/26/2020	43,592.50
10042841	09/30/2020	19,740.00
Total		133,080.50

0-1200-431-00-124-218-0-334

Remit payment to P.O. Box 678316, Dallas, TX 75267-8316
 Reference Project 038090.001 and Invoice 10043569
 Contact Karen Highlander at khighlander@halftritex.com with any billing questions.

MEMORANDUM

TO: Hidalgo County Drainage District No. 1
Hidalgo County Precinct No. 4

DATE: November 4, 2020

FROM: Roxxie Mann, PE

AVO: 038090.001

EMAIL: rmann@halff.com

SUBJECT: Monthly Progress Report – October 2020
Hidalgo County Precinct 4 Drainage Study

Halff Associates, Inc. (Halff) was authorized by the Hidalgo County Precinct No. 4 (Pct 4) to perform engineering services to analyze and identify flood risk areas in Precinct 4 and recommend drainage solutions. This Monthly Progress Report summarizes work performed by Halff over the past month and follows the Billing Breakdown approved by Hidalgo County Drainage District No. 1 (HCDD1).

Project Management

Weekly (internal) team meetings were held for project updates and scheduling.

Data Collection

Completed as of June 2020.

Drainage Problem Identification

A meeting was held on 7/28/20 with the HC Pct 4 and HCDD 1 to present the existing preliminary conditions hydraulic model for a 100 yr and 10 yr storm event. See attached. Within these exhibits, 10 risk areas of concern were identified and presented for client's concurrence.

The existing conditions preliminary hydraulic model was updated with the latest existing conditions information: survey reconnaissance and 2012/2018 bond project improvements plans that were provided by HCDD1.

Survey was performed from 08/03/20 to 08/07/20. See attached. Plans for the 2012/2018 bond projects were received on 08/04/20.

As the "Develop Drainage Solutions" task continues, the original 10 risk areas of concern are being confirmed and finalized or being adjusted, as needed, to provide the most impacted area that will benefit the highest amount of structures/properties as possible. To date, the following Areas have been finalized: E, F, H and I.

Areas E and F were submitted during September's invoice period.
Areas H and I are submitted with this invoice period.

Develop Drainage Solutions

The team has identified Areas E, F and H as the first group of areas to be analyzed. The design scenarios have been submitted to the Quality Assurance/Quality Control agent and is currently under review. Once comments are received the team will address them accordingly.

The team has identified Areas A, G and I as the second group of areas to be analyzed. The commencement of design scenarios for this second group is ongoing and it is anticipated to have a viable design within the next few weeks for Areas A and G.



5000 West Military, Ste 100
McAllen, Texas 78503
(956) 664-0286
Fax (956) 664-0282

The design scenarios for Areas H and I are currently being reviewed by the Quality Assurance/Quality Control agent. See attached draft exhibits

Prepare Drainage Master Plan

N/A

Quality Assurance / Quality Control

All portions of the modeling and calculations are being reviewed by a Halff employee experienced in hydrologic and hydraulic modeling but not on the team for this project. The existing conditions preliminary hydraulic model and Area F were reviewed, and comments were addressed. See attached QC comments for reference.

The design scenarios for Areas H and I are currently under review and comments will be addressed by the team once received. See attached draft exhibits.