

# ANNUAL REPORT 2018



[FBCLID2.COM](http://FBCLID2.COM)



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## board meetings

The Board generally meets monthly on the third Wednesday at 8:30AM. Please check meeting agendas posted on [FBCLID2.com/meetings](https://fbclid2.com/meetings) for location information.

Ditch A Flood Gates Closed  
Memorial Day Flood  
June 3, 2016

Cover Photo:  
Mike Thelen Pump Station

## Fort Bend County Levee Improvement District No. 2 - Keeping Sugar Land Dry

Fort Bend County Levee Improvement District No. 2 (FBCLID2) serves as a model for levee systems in Fort Bend County. The FBCLID2 levee system has been engineered to the highest local and national standards, which include being accredited by the Federal Emergency Management Agency (FEMA) under the National Flood Insurance Program (NFIP) and meeting additional requirements imposed by Fort Bend County. The District, whether during normal or emergency conditions, operates and maintains its facilities according to the criteria and guidelines established by FEMA and the United States Army Corp of Engineers (USACE).

## What is a Levee Improvement District?

A Levee Improvement District (LID) is a conservation and reclamation district and political subdivision of the State of Texas, created by Counties to provide flood protection to the residents and commercial property owners within its geographic boundaries. LIDs operate pursuant to Chapters 49 and 57 of the Texas Water Code and Article XVI, Section 59 of the Texas Constitution.

Over 99 miles of levees are operated and maintained throughout Fort Bend County. FBCLID2 is 1 of 19 major LID systems in Fort Bend County that provide flood and storm water management resources to those who reside or conduct business in the geographic area protected by the LID.

### Board of Directors

- André D. McDonald, President  
Board Director since 2000  
District resident since 1993
- Bryan K. Chapline, Vice President  
Board Director since 2012  
District resident since 1991
- Glen R. Gill, Secretary  
Board Director since 1998  
District resident since 1989

### Professional Services

- Attorney:  
Allen Boone Humphries Robinson LLP
- General Manager:  
Mike Stone Associates, Inc.
- District Engineer:  
LJA Engineering
- Operator:  
LID Solutions
- Tax Assessor:  
Bob Leared Interests
- Bookkeeper:  
McLennan & Associates

To contact FBCLID2 Board email:  
[board@fbclid2.com](mailto:board@fbclid2.com)

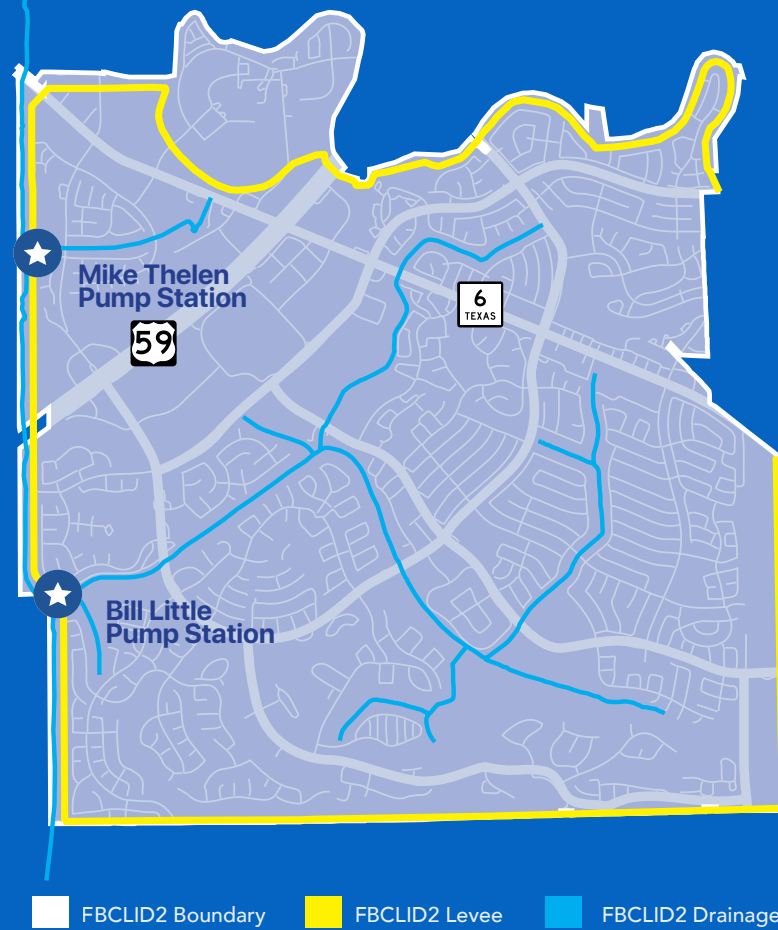




## Who operates the FBCLID2 flood gates in the levee?

Under normal operations, all runoff from rainfall that falls inside FBCLID2 flows out of the levee through large flap gates. These flood gates in the levee are opened and closed by gravity and water pressure. They are not operated by a person or machine. The flood gates will automatically close when the water level outside the levee is higher than water inside the levee.

FBCLID2 District Map



Visit [FBCLID2.com/map](https://fbclid2.com/map) for an interactive map.

**11 miles**  
of levees

**8 miles**  
of drainage  
ditches

**330,000 gpm**  
2 pump stations  
capacity

## What Does FBCLID2 Protect?



Over **9,000 homes** and **100s of businesses** with appraised taxable value that **exceeds \$5 billion**



**5,313 acres**  
in Sugar Land, TX



**10**  
Schools



**4**  
Hospitals



Over **13**  
**retail centers**,  
including  
**First Colony Mall** and  
**Sugar Land Town Square**



- I-69/US-59  
- SH-6



**Sugar Land**  
- City Hall  
- Emergency OPs Center

## FBCLID2 Historic Time Line

1975	<b>FEBRUARY</b> FBCLID2 created
1977	<b>JANUARY</b> First Colony development began
1981	<b>DECEMBER</b> Bill Little Pump Station constructed
1991	<b>DECEMBER</b> Christmas Flood
1993	<b>MAY</b> Mike Thelen Pump Station constructed
1994	<b>OCTOBER</b> Halloween Flood
2013	<b>MAY</b> Bill Little Pump Station increased resiliency project completed
2015	<b>MAY</b> Memorial Day 2015 Flood
2016	<b>APRIL</b> Tax Day Flood <b>MAY</b> Memorial Day 2016 Flood <b>AUGUST</b> Ditch A, D, & G rehabilitation project completed
2017	<b>AUGUST</b> Hurricane Harvey <b>OCTOBER</b> Mike Thelen Pump Station increased resiliency projected completed

Visit [FBCLID2.com/timeline](https://fbclid2.com/timeline) for a full list of important FBCLID2 event dates.

### sign up today to receive important news and updates

Text **LID2** to **474747** to register for text messages alerts, or visit [FBCLID2.com/alerts](https://fbclid2.com/alerts) to receive this information via email.\*

### weather updates

For FBCLID2 weather updates and links, including FBCLID2 rainfall and stream gauges and the National Weather Service's Brazos River level gauge visit [FBCLID2.com/emergency](https://fbclid2.com/emergency)

## Historic FBCLID2 High Water Events

**55.19'**  
Hurricane Harvey 2017

**54.74'**  
Memorial Day Flood 2016

**50.30'**  
Halloween Flood 1994

**50.01'**  
Memorial Day Flood 2015

**49.68'**  
Christmas Flood 1991

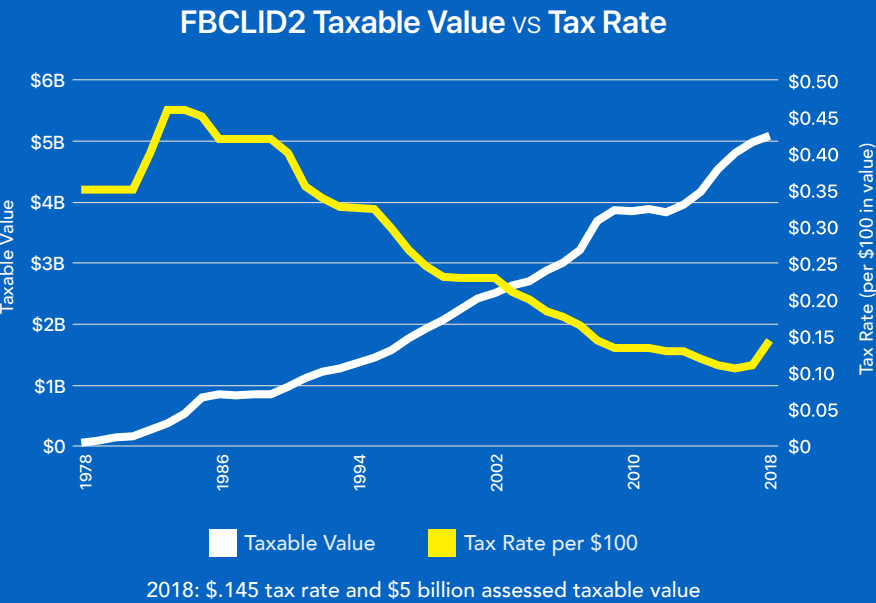
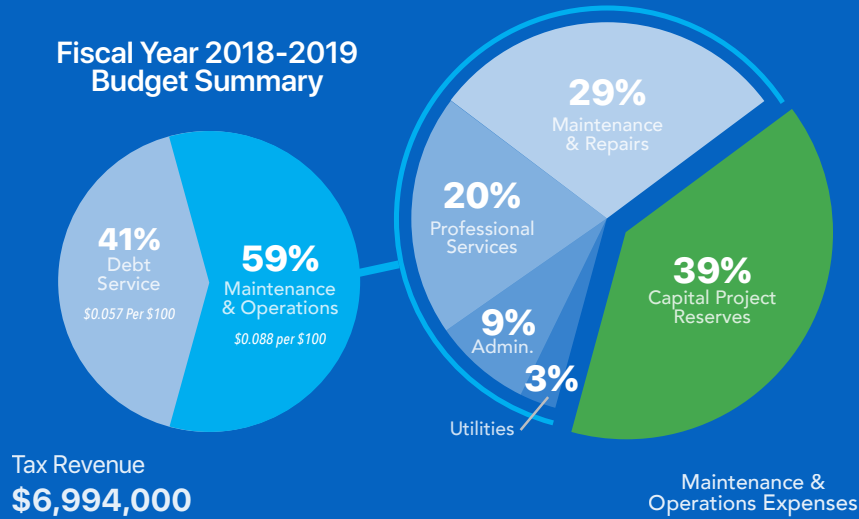
**49.67'**  
Tax Day Flood 2016

Brazos River Gauge - Crest Levels  
Richmond, TX (Datum: 27.02')

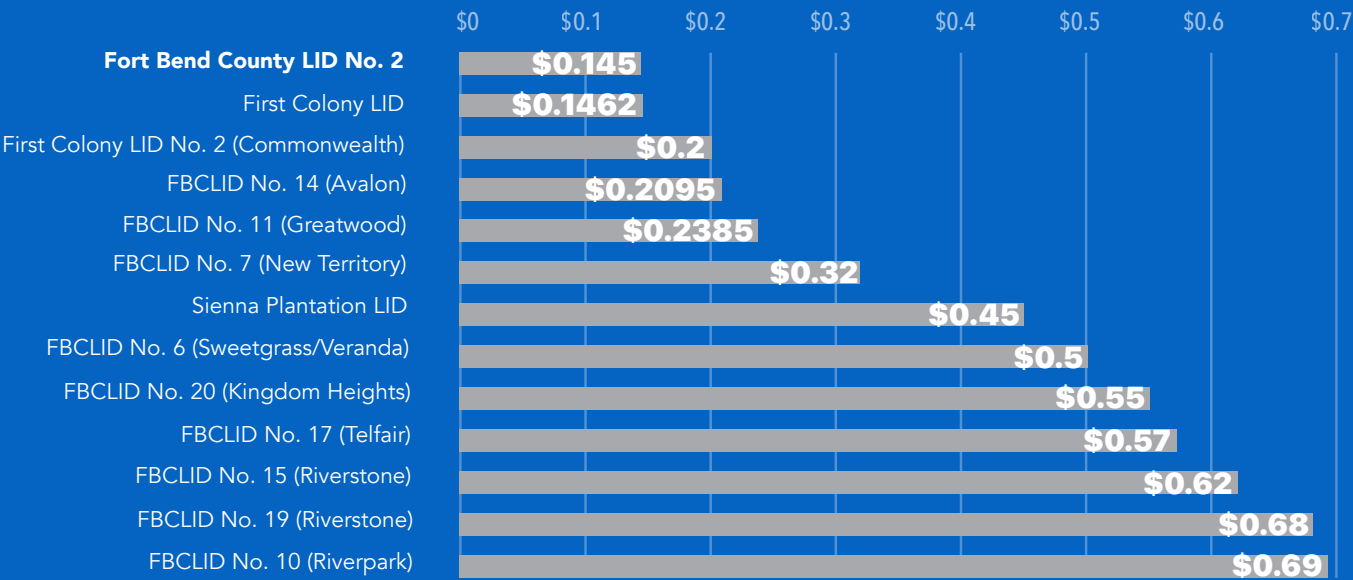
FBCLID2  
Levee Top  
60'+ River  
Gauge

# How are LIDs funded?

Levee districts in Fort Bend County are funded by local ad valorem property taxes. Fort Bend County levee districts have not previously received and do not currently receive any federal, state, county, or city funding to construct, operate or maintain their levee and flood control systems. Property taxes pay for the bonds that are used to finance the design and construction of these systems. FBCLID2 spends approximately \$2,480,000 annually to operate and maintain their flood control systems, as well as to carry out their other regular business.



## Fort Bend County LID 2018 Tax Rates (per \$100)



# 2018-2019 Capital Improvement Projects

**High-Water Vehicle Purchase**  
Purchase military surplus vehicle and outfit for levee emergency operations  
**\$62,000** **COMPLETED**

**West Levee All-Weather Access**  
Pilot project to harden the levee top using articulated concrete block, from I-69/US-59 to the Bill Little Pump Station. The improvements provide all-weather vehicle access while avoiding levee damage  
**\$195,000** **COMPLETED**

**Ditch B, C, & E Rehabilitation**  
Repair and armor 4 miles of drainage channels with articulated concrete block to prevent erosion and improve flow  
**\$5,150,000** **CONSTRUCTION ON-GOING**

**Flood Monitoring Project**  
Install 7 stream and rainfall gauges to monitor flood conditions and expand camera system to drainage channels  
**\$230,000** **CONSTRUCTION ON-GOING**

**Mike Thelen Pump Station Pump Replacement**  
Replace 4 storm water pumps nearing the end of useful life  
**\$780,000** **CONSTRUCTION BIDDING**

**Interior Drainage Analysis**  
Analyze current conditions and evaluate potential improvements to drainage system inside levee  
**\$230,000** **DESIGN ON-GOING**

**3rd Pump Station Design & Construction**  
Construct additional 840,000 gpm stormwater pump station for Ditch A  
**\$50,000,000\*** **DESIGN ON-GOING**  
\* Construction funded by Series 2019 bond sale.

# 2019 Bond Election

Fort Bend County Levee Improvement District No. 2 (FBCLID2) Board of Directors has placed a bond authorization proposition on the May 4, 2019 election ballot. The purpose of the bond election is to authorize future funding for projects that provide flood protection and storm water management to the residents and businesses within FBCLID2. The bond authorization proposition will allow FBCLID2 residents to consider authorizing funding of \$88 million for capital improvement and maintenance projects as components of the existing flood control infrastructure reach the end of their useful design life. If authorized by the voters, the District could use the bond funds for pump station, levee, and drainage projects. Early voting for the May 4 election runs from April 22 to April 30, 2019.

## Elección de Bonos de 2019

La Junta Directiva del Distrito de Mejoras de Diques Nro. 2 Del Condado de Fort Bend (FBCLID2) ha colocado una proposición para autorización de bonos en la boleta de votación de la elección del 4 de mayo de 2019. El propósito de la elección de bonos es autorizar futura financiación para proyectos que proveen protección contra inundaciones y gestión de agua pluvial a los residentes y comercios dentro del FBCLID2. La proposición para autorización de bonos les permitirá a los residentes del FBCLID2 considerar la autorización de financiación por \$88 millones para mejoras de infraestructura y proyectos de mantenimiento a medida que los componentes de la infraestructura existente para control de inundaciones llegan al final de su vida útil de diseño. En caso de recibir la autorización de los votantes, el Distrito podría usar los fondos de los bonos para proyectos de estación de bombeo, diques y drenaje. La votación anticipada para la elección del 4 de mayo va desde el 22 de abril hasta el 30 de abril de 2019.



Fort Bend County Levee Improvement District No. 2  
3200 Southwest Freeway, Suite 2600  
Houston, TX 77027  
FBCLID2.com



The National Flood Insurance Program aims to reduce the impact of flooding on private and public structures. It does so by providing affordable insurance to property owners, renters and businesses and by encouraging communities to adopt and enforce floodplain management regulations.

For more information, visit **FloodSmart.gov**



**FEMA**



**Floods are the most common natural disaster in the U.S. Learn what to do before, during & after a flood.**

**[www.ready.gov/flood](http://www.ready.gov/flood)**



## **FEMA Flood Map Service Center**

No matter where you live or work, some risk of flooding exists. Visit the FEMA Flood Map Service Center (MSC) website at **[msc.fema.gov](http://msc.fema.gov)** to find your official flood map by address, access a range of other flood hazard products, and take advantage of interactive tools for better understanding your flood risk. MSC is the official public source for flood hazard information produced in support of the National Flood Insurance Program.

To contact FBCLID2, email **[gm1@fbclid2.com](mailto:gm1@fbclid2.com)** or visit **[FBCLID2.com/contact](http://FBCLID2.com/contact)**