



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

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Sugar Land, Tx
Permit # 206



Fort Bend County Levee Improvement District No. 2

Steep Bank Creek Outfall Replacement

Beginning in December 2015, Fort Bend County Levee Improvement District No. 2 (LID #2) will replace the Steep Bank Creek Outfall Structure in the East Levee. The outfall structure is designed to allow storm water to drain out of LID #2 after it rains, but also prevents rising flood waters in Steep Bank Creek from backing up into the District and inside the levee during emergency situations. The project will replace the current 60-inch corrugated metal pipes that are near the end of their useful life with a new concrete box culvert. The new outfall structure will still be closed by gravity with a flap gate on the downstream side when the water level in Steep Bank Creek rises. However, a vertical sluice gate is being added for additional protection on the upstream side of the structure. Instead of manual operation, both new gates will also include motorized operators so they can quickly and easily be operated during an emergency situation. All work on the project will be covered under the United States Army Corps of Engineers Nationwide Permit.

The contract for replacement of the Steep Bank Creek outfall structure was recently awarded to Lonnie Lischka Company, which has successfully completed many similar projects in the area. Active construction will begin in December and will be complete by June 2016. The contractor's main construction entrance will be from Austin Parkway and occasionally the contractor may also need to access the site via Commonwealth or the future LJ Parkway. Please be aware of construction traffic when traveling in the area.



Additional information on levee safety can be found at the American Society of Civil Engineers web site: www.asce.org.

A complete ASCE analysis of levees can be found at: www.asce.org/Content.aspx?id=2147488910



To find the potential cost of flood insurance for your residence or business, go to the National Flood Insurance Program web site at www.floodsmart.gov/floodsmart/ and enter the requested information. For information about FBC LID #2, please email: board@fbclid2.com

LID #2 Reduces Tax Rate for 2015

The Board of Directors for Fort Bend County Levee Improvement District No. 2 (LID #2) voted to lower the 2015 tax rate for District property owners. The 2015 tax rate for LID #2 will drop to \$0.11 per \$100 of assessed property value on this year's tax bills. To provide some perspective, in 2002 the LID #2 tax rate was \$0.23, more than double the proposed rate for this year. Since that time, LID #2 has cut that amount in half by lowering the tax rate on 10 different occasions including this year. Although the appraised value of property, including land, homes, and businesses within the District continues to increase each year, the new, lower tax rate reduces the overall amount of tax revenue received by LID #2, despite the increased property values.

William "Bill" Little Pump Station Dedication



On the afternoon of Friday, October 23, a ceremony was held to dedicate the Fort Bend County Levee Improvement District No. 2 (LID #2) stormwater pump station on Greystone Way in Sugar Land, Texas to Mr. William "Bill" Little. Mr. Little was honored for his years of community service, including serving as the second Mayor of the City of Sugar and as a former member of the LID #2 Board of Directors. During the dedication ceremony, Mr. Little shared several entertaining stories about the history of LID #2, the City of Sugar Land, and development in Fort Bend County.

The Little Pump Station was originally constructed in 1975 and received a major renovation in 2013. The facility is used to pump storm water out of LID #2 during emergency situations. As the Brazos River rises, large gates at the Little Pump Station are closed and sealed to keep flood water outside of LID #2. When this happens, any rain that falls inside the District has to be pumped out manually through the Little Pump Station. The 2013 renovations updated all mechanical and control systems with modern technology and redundant safety features for this critical task. The Little Pump Station also serves as the LID #2 Emergency Operations Center during emergency situations like the Memorial Day Flood earlier in 2015.

MEMORIAL DAY FLOOD

During May and June of 2015, the Brazos river reached flood elevations in Fort Bend County that had not been experienced since the early 1990s. The river crested in Fort Bend County in early June at just over 50 feet. At this height, the Brazos River touches the bottom of Fort Bend County Levee Improvement District No. 2's (LID #2) West Levee.

The majority of all rain water that falls within LID #2 typically drains out of the district through one of two outfall structures in the West Levee. As shown in the photos below, the gates of these outfall structures are submerged at high river elevations. Therefore, all rain water that falls inside the levee will not flow out naturally, but instead must be pumped out using storm water pump stations. Because the Brazos river was at elevated levels for several weeks, LID #2 had to operate its pump stations for over 400 hours during May and June. This includes the large rain event on Memorial Day where 8-10" of precipitation accumulated in Sugar Land overnight.

Throughout the flood event all LID #2 levees, outfall structures, and pump stations performed as designed with no problems or deficiencies. LID #2 was well prepared for the event thanks to the development of an Emergency Preparedness Plan (EPP) in recent years that directs District operations during emergency situations. LID #2 was operating under the guidance of the EPP for almost two months as the Brazos River remained in its flood stage. LID #2 contractors and consultants had previously participated in multiple training sessions related to the EPP to prepare for this emergency response, including formal tabletop exercises at the District and County level. Furthermore, LID #2 maintained close contact throughout the event with the Office of Emergency Management for both Fort Bend County and the City of Sugar Land to help coordinate area flood control efforts.

West Levee/Ditch A Outfall Structure during normal operations



West Levee/Ditch A Outfall structure during emergency operations



May 29: Brazos River Elevation 48.5 feet



June 15: Brazos River Elevation 33 feet

Rehabilitation of Drainage Channels - Ditch "A", "D", and "G"



Ditch "A" during construction

Beginning in late 2014, Fort Bend County Levee Improvement District No. 2 (LID #2) started a large capital improvement project within the community. As shown on the map below, the project will impact Ditches "A", "D", and "G" which drain storm water runoff for a large portion of First Colony. The project will rehabilitate the ditch bottoms while implementing new design techniques that will prevent future erosion and improve slope stability within these channels. All work performed during the project is conducted under the United States Army Corps of Engineers Section 404 permit.

The contractor is currently working on the section of Ditch "A" between the two crossings of Sweetwater Boulevard. The first crossing is near Colony Meadows Elementary/Clements High School and the second is near St. Lawrence Catholic Church. The southern side of the ditch contains a trail that is used by many residents for recreation and as a route to school. Currently, the majority of construction activity will take place on the north side of the ditch and not impact the trail. However, all trail users should be aware of nearby construction activity, including the replacement of several storm sewer inlets on the south side of the ditch near the trail. LID #2 right-of-way does extend past the top of the ditch bank and the public should avoid entering any active construction areas.

The current construction entrance off of Sweetwater Boulevard is near Colony Meadows elementary, and construction hours begin at 7 a.m. The contractor has been instructed to not access the site or take any deliveries during school zone hours to keep the sidewalk at this entrance as safe as possible. LID #2 is also working with the contractor and local law enforcement to help monitor this construction entrance and keep pedestrians as safe as possible during school zone hours.

The entire project is expected to be complete by Spring 2016, pending inclement weather. The map shows the approximate areas that will be impacted by the project as well as the construction entrances. We encourage all residents and their families to be aware of construction traffic when traveling through these impacted areas. For additional information or comments, please contact LID #2 by phone at 713-574-5261 or email philmartin@mikestoneassociates.com.



Ditch "G" completed

PUBLIC MEETING NOTICE Ditch A, D, G Rehabilitation Project

Thursday, January 28, 2016 at 5:30 p.m.

St. Lawrence Catholic Church
Parish Hall
3100 Sweetwater Blvd.
Sugar Land, TX

