

**ENGINEER'S STATUS REPORT**  
**HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61**  
**September 16, 2020**



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**A. Design – Construction Projects**

1. Water, Sanitary and Lift Station Relocations: Eldridge Parkway at FM 1960 (12094) – TxDOT is proposing to widen all four approaches of the N. Eldridge Parkway / FM 1960 intersection. TxDOT is acquiring additional Right-of-Way (ROW) adjacent to the existing ROW. Any existing utilities under the proposed pavement sections must be relocated. The District has many existing water lines and sanitary sewer lines located either within the existing street ROWs or within easements adjacent to the ROWs. The District's water & sanitary sewer relocation plans are complete. New easements are being proposed and some won't meet the City of Houston requirements without a variance being granted.

**Current TxDOT Schedule:**

Letting (Advertising) Date: **August 2020**

Notice to Proceed: **October 2020**

Actual Construction Start: **January 2021**

<u>Remaining Tasks</u>	<u>Date</u>	<u>Status</u>
Receive Easement Value from Appraisers	8/14/2020	
Receive Legal Fees from Smith, Murdaugh	8/26/2020	
<b>Submit Draft Reimbursement Agreement to TxDOT</b>	<b>9/15/2020</b>	
Submit plans to Review Agencies	8/18/2020	
Easements granted & recorded, take possession		
After easements are obtained, submit plans for approval		
Receive City of Houston Approval of Plans		
Receive Construction Bids		
Award Construction Contract		
Submit Final Reimbursement Agreement to TxDOT		
Start Construction		
Complete Construction		

2. Sanitary Sewer Phase 7 & 9 Rehabilitation (12169) (BI 18) –The contractor is King Solution Services. The Notice to Proceed was issued on 5/25/20 and the work is underway. Pay Application No. 3 was approved at the 9/9/20 Board meeting.
3. WWTP No. 2 (Hastings Green) Lift Station Rehabilitation (12176) – The Preliminary Engineering Report was presented to the Board at the 2/12/20 meeting. The rehab plans will be prepared for a Fall 2020 Bidding Schedule.
4. WWTP No. 1 (Barwood) Lift Station & Remaining District Lift Stations – The

Preliminary Engineering Report was presented to the Board at the 2/19/20 meeting.

## B. Construction Warranty Status

<u>Inspection</u>	<u>Expiration</u>	<u>Project</u>
5/10/20	7/10/20	Sanitary Sewer 4 & 5 Rehabilitation (12021) MH's repairs being scheduled
12/12/20	2/12/21	Sanitary Sewer 6 Television (12049)
5/8/21	7/8/21	Wortham Falls DP Imp. (12188)
5/15/21	7/15/21	WP 3 & Aerial WL Crossings Recoating (12134)

## C. Permit / Plan Status

1. America's Water Infrastructure Act (AWIA) of 2018 – Risk and Resilience Assessment due 6/30/21, Emergency Response Plan due 12/30/21
2. Barwood WWTP No. 1 – TPDES Discharge Permit 10876-001  
Issued: 7/18/2017 Expires: **3/1/2022** Start permit renewal on **3/1/2021**
3. Barwood WWTP #1 - Storm Water Pollution Prevention Permit (SWPPP)  
Issued: 8/14/2016 Expires: **8/14/2021** Start permit renewal on **8/14/2020**  
Renewal underway
4. Hastings Green WWTP No. 2 - TPDES Permit No. 10876-002  
Issued: 7/6/2017 Expires: **3/1/2022** Start permit renewal on **3/1/2021**
5. Hastings Green WWTP No. 2 - Storm Water Pollution Prevention Permit (SWPPP)  
Issued: 8/14/16 Expires: **8/14/2021** Start permit renewal on **8/14/2020**  
Renewal underway
6. Water Conservation Plan (WCP)  
Next Plan Update due: **5/1/2024**
7. Drought Contingency Plan (DCP)  
Next Plan Update due: **5/1/2024**
8. TCEQ Emergency Preparedness Plan  
Approved by TCEQ: 4/26/10, submitted to the County Judge, Public Utility Commission, Texas Department of Emergency Management and the Harris County Office of Emergency Management.
9. Water Monitoring Plan  
Prepared and sent to the Assistant General Manager 9/1/20

#### **D. Miscellaneous Projects**

1. Buildout Projections & System Capacity – We have completed the Alternative Capacity Study to determine the maximum number of connections that the water system can service. We are preparing the report to submit to the TCEQ.
2. Magellan Pipeline Easement – Assigned 8/9/18.
3. NHCRWA – We will be designing the #61 Chloramination Systems at each Water Plant for the NHCRWA Transmission Line Engineers. The Authority will be funding these systems.
4. Capital Improvement Plan (CIP) – No change.
5. Bond Issue 18 – see page 5.
6. Bond Issue 19 – see page 6.

#### **E. Utility Commitments / Site Plan Reviews / Utility Requests**

1. Tract 4C-1, 0.9642 acres, 3,530 SF Retail – Requested service to 1 ESFC on 2/5/20.
2. Tract 4N2 – 0 Glenora, 3.1077 acres proposed townhomes – On 5/29/19 requested utility info from Eric Lien with Mission Engineering, acting as agent for the owner. Previous contact info was the Developer is Drew Patel Development, engineer was J. L. Trevino.
3. Tract 8A6 – SE Corner of Huffmeister Road and White Oak Landing – Owner is NTV Group, designer is J.L. Trevino. Requesting utility capacity for 2 shell retail buildings, 11,925 SF of retail space, 1,089 gpd Water and 838 gpd Wastewater.
4. Tract 11B – Michoacani Meat Market & Shopping Center - 13867 Cypress N Houston, just west of Cypress Junction Shopping Center. 11,000 SF Meat Market & 4,000 SF Shopping Center, 13.5 ESFC, 5,528 gpd Water and 4,253 gpd Wastewater.
5. Tract 17I - NW corner Huffmeister & Birdcall - proposed Gas Station, Retail Center and Convenience Store. Vantani Consulting Engineers, Prasad Maragani, P.E.
6. Tract 17K3 – SE corner of Birdcall & Huffmeister Road, proposed 240-unit apartment complex. Utility commitment requested by Johnathan Rosen with The Interfin Companies on 5/17/19.
7. Tract 19C4 - 3.263 ac Business Park (9 Buildings) located on east side of Huffmeister just north of Tuckerton – Proposed 40,000 SF business pa buildings, 13.4 ESFC, 5,487 gpd Water, 4,221 gpd wastewater, Refugio Trejo, P.E. design engineer, Owner is Plaza On Huffmeister, LP.

8. Tract 19E – Industrial Business Park – A 108,280 SF Office/Warehouse Building is proposed within #61 requiring 16.9 ESFC or 5,492 gpd of water service from #61. A 92,800 SF & 66,980 SF building are proposed within HCMUD #188.
9. Tract 25A-C (NW corner of FM 1960 & Jones Road) - Wingfield Partners, potential redevelopment of Bank Tract and relocation of detention pond. Tract 25A Proposed Fast Food Restaurant requesting Utility Capacity Letter, Ray Alcala w/ Jones & Carter Engineers. Reviewed plans and sent comments.
10. Tract 36F - 1.5628 acres south of Foxburo Drive & east side N. Eldridge Parkway - Plaza North Eldridge LLC is the owner and on 2/22/18 they requested 2,500 gpd capacity for a 17,032 SF Retail Center.

#### **F. Potential Annexations**

No current activity

**APPROVED vs ACTUAL**

Harris County Fresh Water Supply District No. 61

Bond Issue #18, Series 2017, \$11,345,000

LAN Job: 120-01890-001-987

As of 9/16/20

Construction Cost (1)	Status	Est. Amount = Bid Amount = Final Amount =	E B F	Amount Approved by TCEQ	Construction	Contingencies	Total
<b>A. Developer Contribution Items</b>							
Total Developer Contribution Items							
Total							
<b>B. District Items</b>							
1	U.S. Highway 290 - 12-inch Water Line Relocation (11111)	Completed 2/18/16	F	\$203,601	\$203,601	\$0	\$203,601
2	U.S. Highway 290 - Water Line Crossing (11929)	Completed 5/21/18	F	\$262,000	\$262,000	\$26,200	\$288,200
3	Water Plant No. 3 and Aerial Crossings (12134)	Completed 7/15/20	F	\$377,142	\$250,000	\$25,000	\$275,000
3A	Aerial Crossing #8 Recoating	Completed 7/22/20	F	\$8,000			
4	Elevated Storage Tank No. 2 Recoating (12135)	Completed 7/10/19	F	\$372,723	\$250,000	\$25,000	\$275,000
5	Water Meter Replacement Program - Phase 1	Underway by 61 crews	E	\$3,562,500	\$3,562,500	\$356,250	\$3,918,750
6	Sanitary Sewer Phase 5 Rehabilitation (12010) combined with Phase 4	Completed 5/13/19	F	\$668,450	\$650,000	\$65,000	\$715,000
7	Sanitary Sewer Phase 6 Television Inspection (12149)	Completed 1/8/20	F	\$87,035	\$150,000	\$15,000	\$165,000
9	Sanitary Sewer Phase 8 Television Inspection	Not yet started	E	\$150,000	\$150,000	\$15,000	\$165,000
8	Sanitary Sewer Phase 7 Rehabilitation (12169)	NTP 5/25/20			\$700,000	\$70,000	\$770,000
10	Sanitary Sewer Phase 9 Rehabilitation (12169)	NTP 5/25/20			\$600,000	\$60,000	\$660,000
	Sanitary Sewer Phase 7 & 9 Subtotal	NTP 5/25/20	B	\$1,387,650	\$1,300,000	\$130,000	\$1,430,000
11	Sanitary Sewer to serve Tracts 19E & 32	Completed 12/10/18	F	\$73,585	\$150,000	\$15,000	\$165,000
12	Hastings Green WWTP (No. 2) Trunk Line & Manhole Rehabilitation Phase 1	Completed 9/11/15	F	\$476,287	\$476,287	\$0	\$476,287
13	Hastings Green WWTP (No. 2) Trunk Line & Manhole Rehabilitation Phase 1 - Bypass Pumping	Completed 9/11/15	F	\$97,744	\$97,744	\$0	\$97,744
14	Hastings Green WWTP (No.2) Trunk Line Rehabilitation Phase 1	Completed 11/16/16	F	\$400,164	\$400,164	\$0	\$400,164
15	Hastings Green WWTP (No.2) Air Header Replacement (1188)	Completed 4/26/17	F	\$145,702	\$112,662	\$11,266	\$123,929
	District Construction Items Total			\$8,489,478	\$8,014,956	\$683,716	\$8,698,673
16	Contingencies (2)			\$153,765			
17	Engineering (3)		E	\$1,725,921			
	Total District Items			\$10,369,164	\$8,014,956	\$683,716	\$8,698,673
<b>TOTAL CONSTRUCTION &amp; ENGINEERING COSTS</b>							
<b>NON-CONSTRUCTION COSTS</b>							
A. Legal Fees (4)							
B. Fiscal Agent Fee (5)							
C. Bond Discount (3%)							
D. Bond Issuance Expenses (5)							
E. Bond Application Report Costs							
F. TCEQ Review Fee (0.25%)							
G. Attorney General's Fee (0.10% up to \$9,500 max)							
<b>TOTAL NON-CONSTRUCTION COSTS</b>							
<b>BOND ISSUE REQUIREMENT (BIR)</b>							
<b>\$11,250,000</b>							

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<b>APPROVED vs. ACTUAL</b>						
Harris County Fresh Water Supply District No. 61						
Bond Issue #19, Series 2020						
LAN Job No: 120-01890-001-106						
As of 9/16/20						
Construction Cost (1)	Est. Amount =	District's	Status	Contingencies	Total	
A. Developer Contribution Items	Bid Amount =	Share				
Total Developer Contribution Items	Final Amount =	Approved				
		by TCEQ				
		F				
	\$0					
<b>B. District Items</b>						
1 Water Plant #1 Rehabilitation	\$760,000	\$760,000		\$76,000	\$836,000	
2 Water Plant #2 Rehabilitation	\$1,423,000	\$1,423,000		\$142,300	\$1,565,300	
3 Water Plant #3 Rehabilitation	\$610,000	\$610,000		\$61,000	\$671,000	
4 Water Plant #4 Rehabilitation	\$803,000	\$803,000		\$80,300	\$883,300	
5 Water Distribution System Rehabilitation	\$1,200,000	\$1,200,000		\$120,000	\$1,320,000	
6 Sanitary Sewer Rehabilitation	\$2,750,000	\$2,750,000		\$275,000	\$3,025,000	
7 Lift Station Rehabilitation	\$323,000	\$323,000		\$32,300	\$355,300	
8 Wastewater Treatment Plant #1 (Barwood) Rehabilitation	\$2,087,000	\$1,434,813		\$143,481	\$1,578,294	
9 Wastewater Treatment Plant #2 (Hastings) Rehabilitation	\$2,045,000	\$971,375		\$97,138	\$1,068,513	
10 Storm Water Detention Pond System	\$200,000	\$200,000		\$20,000	\$220,000	
11 Administration Building Parking Lot Expansion	\$80,000	\$80,000		\$8,000	\$88,000	
District Items Total	\$12,281,000	\$10,555,188		\$1,055,519	\$11,610,707	
16 Contingencies (10%)		\$1,055,519				
17 Engineering (22%)		\$2,322,141				
<b>Total District Items</b>		<b>\$13,932,848</b>				
<b>TOTAL CONSTRUCTION &amp; ENGINEERING COSTS</b>		<b>\$13,932,848</b>				
<b>NON-CONSTRUCTION COSTS</b>						
A. Legal Fees (1)		\$305,000				
B. Fiscal Agent Fee (2)		\$190,000				
C. Bond Discount (3%)		\$450,000				
D. Bond Issuance Expenses		\$35,152				
E. Bond Application Report Costs		\$40,000				
F. TCEQ Review Fee (0.25%)		\$37,500				
G. Attorney General's Fee (0.10% up to \$9,500 max)		\$9,500				
<b>TOTAL NON-CONSTRUCTION COSTS</b>		<b>\$1,067,152</b>				
<b>BOND ISSUE REQUIREMENT (BIR)</b>		<b>\$15,000,000</b>				

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