

ENGINEER'S STATUS REPORT
HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61
July 22, 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. We met with Ms. Kathlee Bullock, PhD, P. E., Assistant Director of Public Works for the City of Houston and per her direction and have resubmitted the plans.

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>
Offer letters going to Landowners (Smith Murdaugh)	6/1/2020	Completed
Submit Draft Reimbursement Agreement to TxDOT	7/15/2020	
Start advertising for construction bids	8/15/2020	
Easements granted & recorded, take possession	9/7/2020	
After easements are obtained, submit plans for approval	9/7/2020	
Submit Final Reimbursement Agreement & Costs to TxDOT	9/8/2020	
Receive Construction Bids	9/15/2020	
Receive City of Houston Approval of Plans	10/7/2020	
Award Construction Contract	9/16/2020 or 10/7/2020	
Start Construction	10/7/2020 or 10/14/2020	
Complete Construction	2/14/2021	

2. Water Plant No. 3 & Aerial Water Line Crossings Recoating (12134) (BI 18 Funds)
The contractor is Pardalis Industrial Enterprises. Pay Application 4 and Change Order 2 were approved at the 7/8/20 Board meeting. Pay Application 5 & Final was approved at the 7/15/20 Board Meeting.
3. Wortham Falls Detention Pond Improvements (12188) (SPA Funds) – The contractor is Scott Sitework, LLC. Pay Application 2 & Final was approved at the 7/8/20 Board meeting.

4. 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 1 was approved at the 7/15/20 Board meeting.
5. 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.
6. 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**
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**
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.

D. Miscellaneous Projects

1. Buildout Projections & System Capacity – We are conducting an Alternative Capacity Study to determine the maximum number of connections that the water system can service.
2. Magellan Pipeline Easement – Assigned 8/9/18. Awaiting as-built plans of pipeline construction to access future detention pond expansion options
3. NHCRWA – Phase II Water Distribution Route Study is underway by the Authority. #61 Staff and LAN have reviewed the preliminary connection plans and met with the NHCRWA Consultant. The NHCRWA is planning on extending water lines and making connections to Water Plants 1, 2 & 4 **but not Water Plant 3 per the District's request.**
4. Capital Improvement Plan (CIP) – Updated and presented at the 2/19/20 meeting.
5. Bond Issue 18 – See Approved vs Actual Funds **on page 7.**
6. Bond Issue 19 – Received by the TCEQ, **declared administratively complete on 7/13/20** and assigned to a reviewer.

E. Utility Commitments / Site Plan Reviews / Utility Requests

1. Tract 4C-1, 0.9642 acres, 3,530 SF Retail – 2/5/20 Requested 1 ESFC
2. Tract 4N2 – 0 Glenora, 3.1077 acres proposed townhomes – Request on 5/29/19 for 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 – Southeast corner of Birdcall & Huffmeister Road, 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 park 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

Construction Cost (1)		Status	Est. Amount = Bid Amount = Final Amount =	E B F	Amount Approved by TCEQ	Contingencies	Total
A. Developer Contribution Items							
Total Developer Contribution Items							
#61's Share \$0							
B. District Items							
1	U.S. Highway 290 - 12-inch Water Line Relocation (11111)	Completed 2/18/16	\$407,201	F	\$203,601	\$0	\$203,601
2	U.S. Highway 290 - Water Line Crossing (11929)	Completed 5/21/18	\$283,295	F	\$262,000	\$26,200	\$288,200
3	Water Plant No. 3 Ground Storage Tank Recoating (12134)	Completed 7/15/20	\$377,142	F	\$250,000	\$25,000	\$275,000
4	Elevated Storage Tank No. 2 Recoating (12135)	Completed 7/10/19	\$372,723	F	\$250,000	\$25,000	\$275,000
5	Water Meter Replacement Program - Phase 1	Underway by 61 crews	\$3,562,500	E	\$3,562,500	\$356,250	\$3,918,750
6	Sanitary Sewer Phase 5 Rehabilitation (12010) combined with Phase 4	Completed 5/13/19	\$668,450	F	\$650,000	\$65,000	\$715,000
7	Sanitary Sewer Phase 6 Television Inspection (12149)	Completed 1/8/20	\$87,035	F	\$150,000	\$15,000	\$165,000
9	Sanitary Sewer Phase 8 Television Inspection	Not yet started	\$150,000	E	\$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	\$1,387,650	B	\$1,300,000	\$130,000	\$1,430,000
11	Sanitary Sewer to serve Tracts 19E & 32	Completed 12/10/18	\$73,585	F	\$150,000	\$15,000	\$165,000
12	Hastings Green WWTP (No. 2) Trunk Line & Manhole Rehabilitation Phase 1	Completed 9/11/15	\$476,287	F	\$476,287	\$0	\$476,287
13	Hastings Green WWTP (No. 2) Trunk Line & Manhole Rehabilitation Phase 1 - Bypass Pumping	Completed 9/11/15	\$97,744	F	\$97,744	\$0	\$97,744
14	Hastings Green WWTP (No.2) Trunk Line Rehabilitation Phase 1	Completed 11/16/16	\$400,164	F	\$400,164	\$0	\$400,164
15	Hastings Green WWTP (No.2) Air Header Replacement (118)	Completed 4/26/17	\$145,702	F	\$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		\$683,716		
17	Engineering (3)		\$1,725,921	E	\$1,725,921		
	Total District Items		\$10,369,164		\$10,424,594	\$683,716	\$8,698,673
TOTAL CONSTRUCTION & ENGINEERING COSTS							
NON-CONSTRUCTION COSTS							
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)							
TOTAL NON-CONSTRUCTION COSTS							
BOND ISSUE REQUIREMENT (BIR)							
\$11,250,000							

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