


**ENGINEER'S STATUS REPORT
HARRIS COUNTY FRESH WATER SUPPLY DISTRICT No. 61**

August 12, 2020



Prepared by William G. Rosenbaum, P.E. #45894
Lockwood, Andrews & Newnam, Inc., TBPE Firm #F-2614

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>
Receive Easement Value from Appraisers	8/14/2020	
Receive Legal Fees from Smith, Murdaugh	8/14/2020	
Submit Draft Reimbursement Agreement to TxDOT	8/15/2020	
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 1 was approved at the 7/15/20 Board meeting.

ACTION ITEM – Review and approve Pay Application No. 2, see pages 5 – 7.

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**
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.
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. After a meeting with the NHCRWA General Manager & Program Manager, the #61 General Manager & Engineer, **the Authority has agreed to extend a water transmission line to #61 Water Plant 3.**
4. Capital Improvement Plan (CIP) – Updated and presented at the 2/19/20 meeting.
5. Bond Issue 18 – Projects underway.
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 – 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

APPLICATION FOR PAYMENT
 SANITARY SEWER PHASES 7 & 9 REHABILITATION
 OWNER: HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61
 LAN PROJECT NO. 120-12169-000-600 (6.8)
 CONTRACTOR: KING SOLUTION SERVICES, LLC

APPLICATION NO.: 2 PERIOD: 06/26/20 TO 07/25/20
 APPLICATION DATE: 07/27/20

CONTRACT TIME

Contract Date:	<u>04/28/20</u>
Notice to Proceed:	<u>05/25/20</u>
Contract Calendar Days & Approved Time Extensions:	<u>268</u>
Calendar Days to Date:	<u>61</u>
Percent Time Used:	<u>23%</u>
Percent Complete:	<u>11%</u>

CONTRACT COST

Original Contract Amount:	<u>\$ 1,387,650.00</u>
Adjustment in Quantities:	<u>\$ -</u>
Net Change Orders (See attached Change Order Summary):	<u>\$ -</u>
Current Contract Amount:	<u>\$ 1,387,650.00</u>
Work Complete to Date:	<u>\$ 149,721.50</u>
Less Amount Retained (10%):	<u>\$ (14,972.15)</u>
Less Previous Payment to Contractor:	<u>\$ (46,458.00)</u>
AMOUNT DUE THIS PAYMENT:	<u>\$ 88,291.35</u>

CONTRACTOR'S Certification:

The undersigned CONTRACTOR certifies that: (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by prior Applications for Payment numbered 1 thru 2 inclusive; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all liens, claims, security interest and encumbrances (except such as are covered by Bond acceptable to OWNER indemnifying OWNER against any such lien, claim, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective as that term is defined in the Contract Documents.

CONTRACTOR: King Solution Services, LLC

By: *mario jaimes* Date: 08/04/2020
 Mario Jaimes

ENGINEER: Lockwood, Andrews & Newnam, Inc.

By: *J W Kocurek* Date: 08/04/2020
 Jacob W. Kocurek, P.E.

APPROVED BY: Harris County Fresh Water Supply District No. 61

By: _____ Date: _____
 Darrell A. Barroso, President

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ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
1	Pre-Installation Cleaning and Televising, All Depths and Diameters, Complete in Place	LF	1,465	0	0	0	\$4.50	\$0.00
2	Cleaning 15" Sanitary Sewer Lines, Complete in Place	LF	1,334	0	0	0	\$2.50	\$0.00
3	Televising 15" Sanitary Sewer Lines, Complete in Place	LF	1,334	0	0	0	\$2.00	\$0.00
4	Pipe Bursting 8" Sanitary Sewer, 0'-8' Deep, Complete in Place	LF	12,309	1,667	0	1,667	\$28.00	\$46,676.00
5	Pipe Bursting 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	LF	8,227	731	0	731	\$30.50	\$22,295.50
6	Pipe Bursting 8" Sanitary Sewer, 12'-16', Deep Complete in Place	LF	1,307	0	0	0	\$42.00	\$0.00
7	Pipe Bursting 10" Sanitary Sewer, 12'-16' Deep, Complete in Place	LF	166	0	0	0	\$60.00	\$0.00
8	Pipe Bursting 12" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	280	0	0	0	\$68.00	\$0.00
9	Service Repair for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	0	0	0	\$1,100.00	\$0.00
10	Service Repair for Existing 8" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	1	0	0	0	\$1,500.00	\$0.00
11	Combination Point and Service Repair and Reconnection by Excavation for Existing 8" Sanitary Sewer, 8'-12' Deep, Complete in Place	EA	1	0	0	0	\$2,500.00	\$0.00
12	Point Repair for Existing 10" Sanitary Sewer, 12'-16' Deep, Complete in Place	EA	5	0	0	0	\$2,000.00	\$0.00
13	Point Repair for Existing 10" Sanitary Sewer, 16'-20' Deep, Complete in Place	EA	3	0	0	0	\$4,500.00	\$0.00
14	Service Reconnection by Excavation, Complete in Place	EA	580	69	0	69	\$410.00	\$28,290.00
15	Trench Safety System 5' Deep and Greater, Complete in Place	LF	3,825	420	0	420	\$2.00	\$840.00
16	Rehabilitation of WOL3-575 to WOL3-576 including Pre-Installation Televising of Line, Pipe Bursting, Removal and Replacement of Sag in Line to Existing Alignment, Installation of Drop Stack, Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	0	0	0	\$21,800.00	\$0.00
17	Rehabilitation of WOL3-524 to WOL3-525 including Pre-Installation Televising of Line, Trenchless Installation of Proposed Sanitary Sewer Lines, Pipe Bursting, Installation of Clean Out, Abandonment and Fill of Existing Manhole, Abandonment of Sanitary Sewer Lines, Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	0	0	0	\$23,500.00	\$0.00

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PERIOD: 06/26/20 TO 07/25/20

ITEM NO.	ITEM DESCRIPTION	UNIT	CONTRACT QUANTITY	COMPLETED			CONTRACT UNIT PRICE	AMOUNT
				THIS EST.	PREVIOUS	TO DATE		
18	Rehabilitation of WOL3-527 to WOL3-528 including Pre-Installation Televising of Line, Pipe Bursting, and Bypass Pumping, As Shown in the Drawings, Complete in Place	LS	1	0	0	0	\$17,930.00	\$0.00
19	Repair Sanitary Sewer Manholes with Cementitious Material to a Minimum Thickness of 1-Inch, Including Antimicrobial Additive, Complete in Place	VLF	863	0	186	186	\$150.00	\$27,900.00
20	Rebuild Bench, Complete in Place	EA	50	0	9	9	\$510.00	\$4,590.00
21	Rebuild Invert and Remove Fixed Debris, Complete in Place	EA	22	0	4	4	\$510.00	\$2,040.00
22	Remove and Replace Sanitary Sewer Manhole Frame and Cover, Complete in Place – For All Size Manhole Lids	EA	85	0	13	13	\$890.00	\$11,570.00
23	Grout Exterior of Sanitary Sewer Manhole Frame, Complete in Place	EA	30	0	7	7	\$275.00	\$1,925.00
24	Raise Sanitary Sewer Manhole to One-Inch Above Existing Ground Level, Complete in Place	EA	29	0	2	2	\$600.00	\$1,200.00
25	Repair Sanitary Sewer Manhole Cone & Throat Only with Cementitious Material, Including Antimicrobial Additive, Complete in Place	EA	29	0	3	3	\$605.00	\$1,815.00
26	Reset and Reseal Sanitary Sewer Manhole Frame and Cover, Complete in Place	EA	8	0	1	1	\$580.00	\$580.00
27	Remove and Relocate Pipe and/or Cable Through Sanitary Sewer, Complete in Place	EA	1	0	0	0	\$1,500.00	\$0.00
28	Locate Manhole, as Directed by Engineer	EA	1	0	0	0	\$150.00	\$0.00
29	Proposed 4' Diameter Pre-cast Concrete Manhole, Complete in Place	EA	3	0	0	0	\$4,500.00	\$0.00
30	Remove and Replace Concrete Pavement, including Curb and Gutter, Subgrade, All Thicknesses, As Directed by Engineer	SY	300	0	0	0	\$95.00	\$0.00
31	Site Restoration, Including Removing and Replacing Concrete Sidewalks and Driveways, Damaged Turf, Plants, Shrubs, Fences and Trees, as Required	LS	1	0	0	0	\$20,000.00	\$0.00
32	Implementation and Maintenance of Traffic Control Plan, Complete in Place	LS	1	0	0	0	\$5,000.00	\$0.00

TOTAL WORK COMPLETED TO DATE \$149,721.50

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PERIOD: 06/26/20 TO 07/25/20

Legend
 = Calendar Days = Non-Working Days

Month	Days															
Jan, 2020	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Feb	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29			
Mar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Apr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	
May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	17	18	19	20	21	22	23	24	25-NTP	26	27	28	29	30	31	
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
30	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
25	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Aug	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Sept	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Oct	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Nov	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Dec	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
61	Total Days to Date															

Contract Time Summary

Notice to Proceed	5/25/20
Original Contract Days	260
Previously Approved Non-Working Days Time Extension	4
Approved Non-Working Days Time Extension This Period	4
Previously Approved Time Extensions by Change Order	0
Approved Time Extensions This Period by Change Order	0
Total Contract Calendar Days and Approved Time Extensions	268
Substantial Completion	2/17/21

Days Used

Notice to Proceed	5/25/20
Previous Calendar Days	31
Calendar Days This Period	30
Total Days to Date	61
Actual Substantial Completion	