



Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, July 24, 2019 at 3:00 PM
Commission Meeting Room

FACILITIES COMMITTEE MEETING AGENDA

COMMITTEE MEMBERS: **Chairman Ben Turnipseed**
 Commissioner Bob Duncan
 Commissioner Steve Copeland
 Interim Executive Director Andrew Burroughs

PUBLIC COMMENT PERIOD

Public Comments will be limited to 3 minutes per speaker. Comments are to be limited to relevant information regarding your position and should avoid being repetitious. Individuals should sign in stating your name, address and the subject matter on which you wish to speak. Your cooperation in this process will be greatly appreciated.

APPROVAL

- 1. Minutes from July 11, 2019 Facilities Committee Meeting (*subject to any necessary changes*)**
- 2. PS4105 Engineering Agreement – A. Burroughs**

DISCUSSION

- 1. Academy Creek Rehab Project Update – A. Burroughs**
- 2. WPCF Plant Flows Report – A. Burroughs**
- 3. Project Report – A. Burroughs**

MEETING ADJOURNED



Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, July 24, 2019 at 3:00 PM

FACILITIES COMMITTEE MINUTES

- PRESENT:** Ben Turnipseed, Chairman
Steve Copeland, Commissioner
Bob Duncan, Commissioner
Andrew Burroughs, Interim Executive Director
- ALSO PRESENT:** Tripp Stephens, Commissioner
Todd Kline, Director of Engineering
Janice Meridith, Exec. Commission Administrator
- MEDIA PRESENT:** Taylor Cooper, The Brunswick News
Pamela Permar-Shierling, The Islander

Chairman Turnipseed called the meeting to order at 3:00 PM.

Chairman Turnipseed provided the invocation.

PUBLIC COMMENT PERIOD

There being no citizens that wished to address the Committee, Commissioner Turnipseed closed the Public Comment Period.

APPROVAL

1. Minutes from Facilities Committee Meeting July 11, 2019

Commissioner Duncan made a motion seconded by Chairman Turnipseed to approve the minutes from the Facilities Committee Meeting held on July 11, 2019. Motion carried 2-0-1. (Commissioner Copeland abstained due to not being present at the July 11 Facilities Committee Meeting.)

2. PS4105 Engineering Agreement – A. Burroughs

Andrew Burroughs provided that the PS4105 project was discussed earlier that day in the Finance Committee Meeting. The scope of the project was revised during that meeting, however the proposed project and requested budget were approved by the Finance Committee to be moved forward to the full Commission. Mr. Burroughs advised that this request was for approval to enter into an agreement with Roberts Civil Engineering for the engineering portion of the project. Roberts Civil Engineering has already been working on engineering improvements for PS4105 and 4107 that are needing further improvements. Staff reviewed the cost proposal from Roberts and believes the proposal is reasonable and acceptable in the amount of \$65,000.00 with an estimated engineering time of 120 days for design and 150 days for construction administration.

Commissioner Duncan made a motion seconded by Commissioner Copeland to move that the Facilities Committee recommend to the full Commission that the BGJWSC enter into contract with Roberts Civil Engineering in the amount of \$65,000.00 for Engineering Services related to the PS4105/4107 Expansion and Downstream Rehab Project. Motion carried 3-0-0.

DISCUSSION

1. Academy Creek Rehab Project Update – A. Burroughs

Mr. Burroughs provided to the Committee that on the previous week at the GAWP Conference in Savannah Mr. Kline, Mr. Ryals, Chairman Turnipseed and he had met with five vendors that provide the array of equipment that will be considered for the Academy Creek Plant Rehab. They discussed ways in which the project could be done, what those suppliers have available, and also possible trials of products such as odor control, screening, and filtering technologies. Their discussions were very productive and allowed considerations of various products and equipment possible to move forward with.

Chairman Turnipseed requested an update on PS4003 and the use of the “Smart Ball” technology used for inspecting the force main. Mr. Burroughs recalled for the Commissioners that PS4003 is located at “K” Street and Reynolds Street. He noted that the “Smart Ball” does a sonar image of the interior of the force main as it is pumped through. The inspection was completed on the previous day and the report should be expected within four weeks. Mr. Burroughs added that they were able to look at the force main from PS4002 and PS4003 since those force mains manifold together, and highlighted the process for this inspection.

2. WPCF Plant Flows Report – A. Burroughs

Mr. Burroughs provided the Committee with the WPCF Plant Flows Report. He highlighted the various influent and effluent flows and concentrations for the Academy Creek, Dunbar, and Southport plants. Mr. Burroughs noted that the BOD did increase at Academy Creek, however that is due to the lower amount of water to dilute it. He also commented that the Phosphorous level has been on watch for the last few months and that level is going down. All plants are operating within compliance at this time. The truck for hauling sludge to the landfill has come in and preparations are in process with the expectation of JWSC beginning to haul its own sludge to the landfill and incur significant savings.

3. Project Report – A. Burroughs

Mr. Burroughs provided an update on the current project report. Projects reported on included:

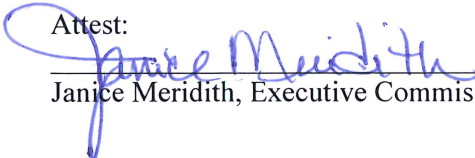
- Project 417 – Ridgewood Water Production Facility
- Project 703 – PS4003 Decommission and Gravity Sewer
- Project 704 – Canal Road to Glynco
- Project 801 – FEMA Hazard Mitigation Academy Creek
- Project 806 – Academy Creek Oxygen System Rehab
- Project 807 – SSI Phase II Smoke & Dye Testing
- Project 904 – Lift Station 4021 Improvements
- Project 907 – Sewer Expansion Study - Brunswick

There being no further committee business, Chairman Turnipseed adjourned the meeting at 3:21 p.m.



G. Ben Turnipseed, Chairman

Attest:



Janice Meridith, Executive Commission Administrator



Brunswick-Glynn County Joint Water and Sewer Commission

Memo

To: JWSC Facilities Committee
From: Andrew Burroughs, Interim Executive Director
Date: July 24, 2019
Re: **APPROVAL** – PS4105 Engineering Agreement

Background

Roberts Civil Engineering (RCE) has been working with the developer of the Bergen Woods apartment complex to make improvements to the pumping capacity at PS 4105. With the additional comprehensive agreement in place with Wade Journey Homes and staff requesting to increase capacity to handle an additional 200-300 REUs of development, additional engineering work is required on PS 4105 as well as PS 4107 upstream. RCE has previously provided a preliminary engineering report for both stations outlining potential upgrades to the stations that would be necessary to handle the apartment complex flow.

Staff Report

Considering that RCE has already been working on engineering improvements for the two pump stations that are needing further improvements, staff requested a proposal from RCE to complete the additional work. RCE provided the attached proposal for engineering services to include CCTV review, surveying, design, and construction administration. The total proposal for the engineering work totals \$65,000. After reviewing the cost proposal, staff believes the proposal is reasonable and acceptable. Estimated engineering time is 120 days for design and 150 days for construction administration.

An overall project schedule is attached showing the estimated engineering and construction timeframes.

Recommended Action

Staff recommends awarding the engineering contract to Roberts Civil Engineering in the amount of \$65,000.

Recommended Motion

"I make a motion that the Facilities Committee recommend to the full Commission that the BGJWSC enter into contract with Roberts Civil Engineering in the amount of \$65,000 for Engineering Services Related to the PS 4105/4107 Expansion and Downstream Rehab Project."

Enclosures:

Engineering Proposal
Potential Project Schedule



ROBERTS
CIVIL ENGINEERING

St Simons Island | Savannah
www.robertscivilengineering.com

Civil Engineering Proposal
Lift Station 4105 and 4107 Additional Capacity
Attachment A – Scope of Work

Roberts Civil Engineering (RCE) is pleased to present the following proposal for civil engineering services for improvements to Lift Station 4105 and Lift Station 4107 in order to accommodate an additional sewer flow of 250 to 300 REUs. The following summarizes the scope of services that RCE proposes to perform.

1. **Preliminary Engineering Report for Lift Station 4105 and 4107** – JWSC has created a concept to increase capacity for Lift Station 4105 by shortening its force main by connecting to an existing sanitary manhole on Wrangler Road or an alternative manhole on Cate Road. In addition, the concept proposes to bypass some gravity flow from Lift Station 4107. These concepts will be analyzed and a report will be generated that includes the following items.
 - a. Existing System
 - b. Proposed Upgrades
 - c. Analysis
 - d. Total Additional Capacity
 - e. Opinion of Probable Cost

Lump Sum \$5,800

2. **Review of CCTV** – JWSC has obtained closed circuit television (CCTV) videos for approximately 12,000 linear feet of gravity sewer main. RCE will evaluate the video tapes and rate each section according to the PACP grading system below:
 - a. Severity Grade 5 – Pipe segment has failed or will likely fail within the next five years - requires immediate attention.
 - b. Severity Grade 4 – Pipe segment has severe defects - risk of failure within the next five to ten years.
 - c. Severity Grade 3 – Pipe segment has moderate defects - deterioration may continue, at a ten to twenty year timeframe.
 - d. Severity Grade 2 – Pipe segment has minor defects - pipe unlikely to fail for at least 20 years.
 - e. Severity Grade 1 – Pipe segment has minor defects - failure unlikely in the foreseeable future.

Lump Sum \$3,850

3. **Route Survey** – A topographic survey will be provided that includes the route for the new force main for Lift Station 4105 and the re-route for the gravity sewer to bypass Lift Station 4107.
 - a. Pavement
 - b. Underground and above ground utilities
 - c. Right of way
 - d. Easements
 - e. Structures
 - f. Trees within right of way

Lump Sum \$5,950

4. **Civil Engineering Construction Plans** – A set of detailed construction plans will include the following:
- a. Existing conditions and demolition plan
 - b. Force main plan view and profiles
 - c. Pump station plan view
 - d. Erosion and sediment control plans
 - e. Pump station details
 - f. General details

Lump Sum \$12,900

5. **EPD Water/Sewer Extension Permit** – The submittal package for the EPD Water and Sewer Extension permits will be assembled including the following:
- a. Sewer Extension Forms
 - b. Flow diagrams
 - c. AHJ Certifications
 - d. Utility Report
 - e. Specifications

Lump Sum \$3,800

6. **CSX Railroad Crossing Survey Data** – The survey data required for CSX permitting includes the following items:
- a. Right of Ways
 - b. Rail and bed locations
 - c. Underground utilities
 - d. Above ground structures
 - e. Adjacent property owners

Lump Sum \$5,700

7. **CSX Railroad Crossing Plan** – Plans will be created that show the proposed pipe crossing over the CSX right of way for use in permitting the crossing. The plans will include the following:
- a. Plan view of proposed crossing
 - b. Cross section view
 - c. Profile view
 - d. Details

Lump Sum \$4,500

8. **Construction Administration** – The following tasks will be included in Construction Administration assuming 20 hours per week for the duration of the project.
- a. Site visits
 - b. Responses to contractor RFIs
 - c. Weekly observation reports
 - d. Review of pay applications

**Lump Sum \$2,250 per week
Budget Estimate: \$22,500**

9. **Hourly Services** – Tasks not specifically stated in the Scope of Work are available at the hourly rates below. These tasks could include but are not limited to **revisions, permitting, addressing JWSC comments, addressing Glynn County comments, meetings, calls, and bidding.**

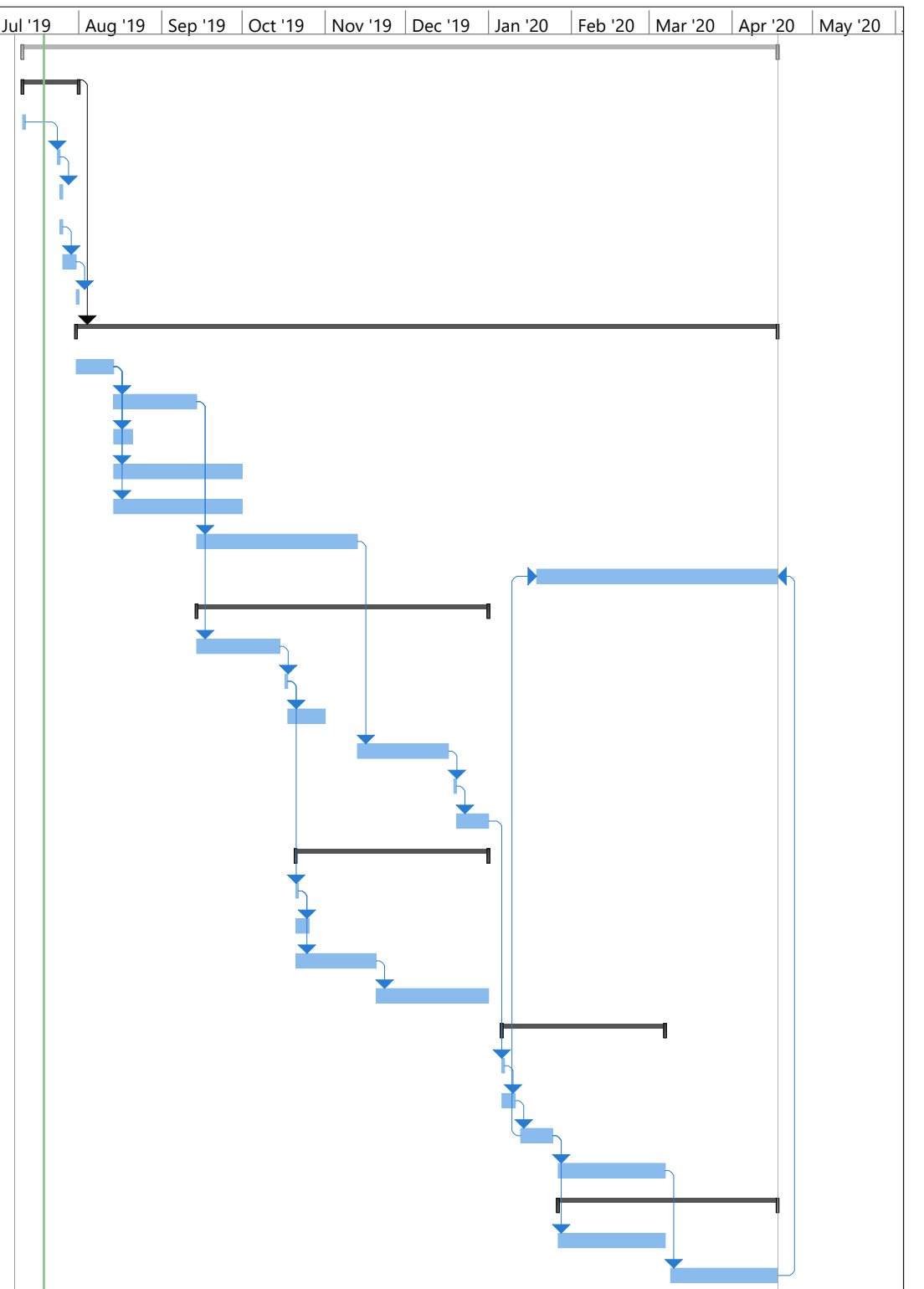
Hourly Rate Schedule

| | |
|--------------------------|-------|
| Professional Engineer | \$190 |
| Project Manager | \$160 |
| Field Engineer/Draftsman | \$110 |
| Administration | \$ 60 |

Notes:

1. Permit fees will be paid by client. CSX access fees and flagman fees to be paid by Client for survey data within the CSX right of way.
2. Record drawings, wetland delineation, and wetland permitting (if required) are the responsibility of the Client.

| ID | Task Name | Duration | Duration Type | Start | Finish | Budget | Status | Jun '19 | Jul '19 | Aug '19 | Sep '19 | Oct '19 | Nov '19 | Dec '19 | Jan '20 | Feb '20 | Mar '20 | Apr '20 | May '20 |
|----|------------------------------------|-----------------|----------------------|---------------------|---------------------|-----------------------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 | PS 4105 and 4107 Expansion | 276 days | Calendar Days | Thu 7/11/19 | Fri 4/17/20 | \$2,250,000.00 | On Schedule | | | | | | | | | | | | |
| 1 | 1 Project Planning | 21 days | Calendar Days | Thu 7/11/19 | Wed 7/31/19 | N/A | On Schedule | | | | | | | | | | | | |
| 2 | 1.1 Facilities Committee | 1 day | Work Days Only | Thu 7/11/19 | Thu 7/11/19 | N/A | Complete | | | | | | | | | | | | |
| 3 | 1.2 Finance Committee | 1 day | Work Days Only | Wed 7/24/19 | Wed 7/24/19 | N/A | Future Task | | | | | | | | | | | | |
| 4 | 1.3 Full Commission | 1 day | Work Days Only | Thu 7/25/19 | Thu 7/25/19 | N/A | Future Task | | | | | | | | | | | | |
| 5 | 1.4 Engineering Selection | 1 day | Work Days Only | Thu 7/25/19 | Thu 7/25/19 | N/A | Future Task | | | | | | | | | | | | |
| 6 | 1.5 Contract Signing | 5 days | Work Days Only | Fri 7/26/19 | Tue 7/30/19 | N/A | Future Task | | | | | | | | | | | | |
| 7 | 1.6 Notice to Proceed | 1 day | Work Days Only | Wed 7/31/19 | Wed 7/31/19 | N/A | Future Task | | | | | | | | | | | | |
| 8 | 2 Engineering | 256 days | Calendar Days | Wed 7/31/19 | Fri 4/17/20 | \$150,000.00 | Future Task | | | | | | | | | | | | |
| 9 | 2.1 Preliminary Engineering Report | 10 days | Work Days Only | Wed 7/31/19 | Tue 8/13/19 | N/A | Future Task | | | | | | | | | | | | |
| 10 | 2.2 Review CCTV/Prepare Bid Specs | 30 days | Work Days Only | Wed 8/14/19 | Fri 9/13/19 | N/A | Future Task | | | | | | | | | | | | |
| 11 | 2.3 Force Main Route Survey | 5 days | Work Days Only | Wed 8/14/19 | Tue 8/20/19 | N/A | Future Task | | | | | | | | | | | | |
| 12 | 2.4 Railroad Permitting | 47 days | Calendar Days | Wed 8/14/19 | Mon 9/30/19 | N/A | Future Task | | | | | | | | | | | | |
| 13 | 2.5 EPD Permitting | 47 days | Calendar Days | Wed 8/14/19 | Mon 9/30/19 | N/A | Future Task | | | | | | | | | | | | |
| 14 | 2.6 100% Design | 60 days | Work Days Only | Sat 9/14/19 | Tue 11/12/19 | N/A | Future Task | | | | | | | | | | | | |
| 15 | 2.7 Construction Admin | 90 days | Work Days Only | Sun 1/19/20 | Fri 4/17/20 | N/A | Future Task | | | | | | | | | | | | |
| 16 | 3 Procurement | 105 days | Calendar Days | Sat 9/14/19 | Tue 12/31/19 | N/A | Future Task | | | | | | | | | | | | |
| 17 | 3.1 Advertise CIPP | 31 days | Calendar Days | Sat 9/14/19 | Mon 10/14/19 | N/A | Future Task | | | | | | | | | | | | |
| 18 | 3.2 Award CIPP | 1 day | Work Days Only | Thu 10/17/19 | Thu 10/17/19 | N/A | Future Task | | | | | | | | | | | | |
| 19 | 3.3 Contract Signing | 10 days | Work Days Only | Fri 10/18/19 | Thu 10/31/19 | N/A | Future Task | | | | | | | | | | | | |
| 20 | 3.4 Advertise Construction | 32 days | Calendar Days | Wed 11/13/19 | Mon 12/16/19 | N/A | Future Task | | | | | | | | | | | | |
| 21 | 3.5 Award Construction | 1 day | Work Days Only | Thu 12/19/19 | Thu 12/19/19 | N/A | Future Task | | | | | | | | | | | | |
| 22 | 3.6 Contract Signing | 10 days | Work Days Only | Fri 12/20/19 | Tue 12/31/19 | N/A | Future Task | | | | | | | | | | | | |
| 23 | 4 CIPP Downstream | 68 days | Calendar Days | Mon 10/21/19 | Tue 12/31/19 | \$1,000,000.00 | Future Task | | | | | | | | | | | | |
| 24 | 4.1 Notice to Proceed | 1 day | Work Days Only | Mon 10/21/19 | Mon 10/21/19 | N/A | Future Task | | | | | | | | | | | | |
| 25 | 4.2 ROW Permitting | 5 days | Work Days Only | Mon 10/21/19 | Fri 10/25/19 | N/A | Future Task | | | | | | | | | | | | |
| 26 | 4.3 Order CIPP Bags | 30 days | Calendar Days | Mon 10/21/19 | Tue 11/19/19 | N/A | Future Task | | | | | | | | | | | | |
| 27 | 4.4 CIPP | 30 days | Work Days Only | Wed 11/20/19 | Tue 12/31/19 | \$1,000,000.00 | Future Task | | | | | | | | | | | | |
| 28 | 5 Force Main Improvements | 61 days | Calendar Days | Mon 1/6/20 | Fri 3/6/20 | \$770,000.00 | Future Task | | | | | | | | | | | | |
| 29 | 5.1 Notice to Proceed | 1 day | Work Days Only | Mon 1/6/20 | Mon 1/6/20 | N/A | Future Task | | | | | | | | | | | | |
| 30 | 5.2 ROW Permitting | 5 days | Work Days Only | Mon 1/6/20 | Fri 1/10/20 | N/A | Future Task | | | | | | | | | | | | |
| 31 | 5.3 4107 Force Main Installation | 10 days | Work Days Only | Mon 1/13/20 | Fri 1/24/20 | \$55,000.00 | Future Task | | | | | | | | | | | | |
| 32 | 5.4 4105 Force Main Installation | 30 days | Work Days Only | Mon 1/27/20 | Fri 3/6/20 | \$715,000.00 | Future Task | | | | | | | | | | | | |
| 33 | 6 PS Improvements | 82 days | Calendar Days | Mon 1/27/20 | Fri 4/17/20 | \$330,000.00 | Future Task | | | | | | | | | | | | |
| 34 | 6.1 PS 4107 Improvements | 30 days | Work Days Only | Mon 1/27/20 | Fri 3/6/20 | \$140,000.00 | Future Task | | | | | | | | | | | | |
| 35 | 6.2 PS 4105 Improvements | 30 days | Work Days Only | Mon 3/9/20 | Fri 4/17/20 | \$190,000.00 | Future Task | | | | | | | | | | | | |



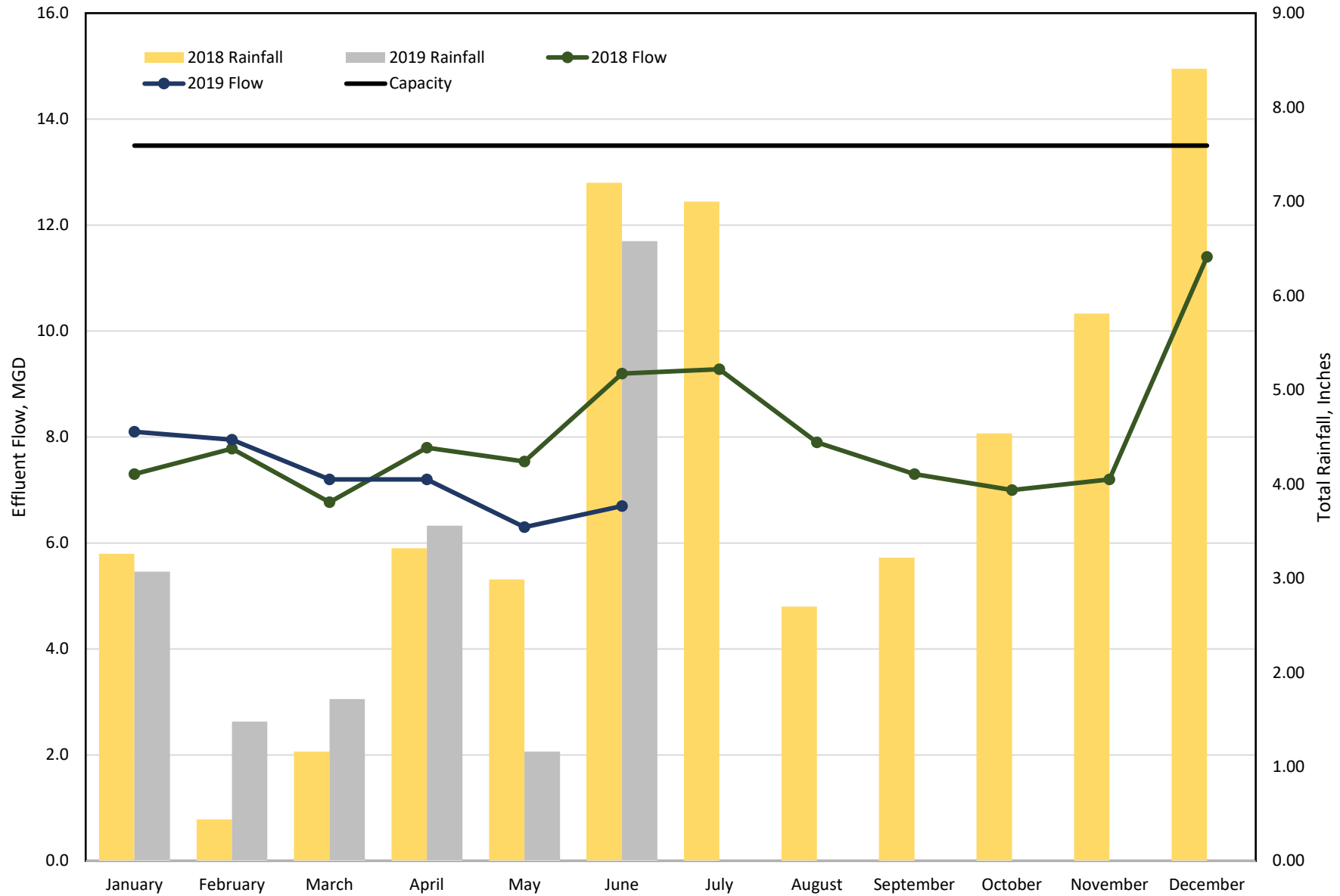
Project: PS 4105 and 4107 Expansion
Date: Fri 7/19/19

Task Summary Project Summary

| ACADEMY CREEK WWTP | FLOW (MGD) | | | | Influent Concentrations | | | | | Effluent Concentrations | | | | | | | Removal Efficiency | | Rainfall | | Water Meter Monthly MGal | Sludge Tons to Landfill | |
|-----------------------|------------|-----|--------|-----|-------------------------|------------|-------------|-------------|-------------|-------------------------|------------|--------------|-------------|-------------|-------------|-------------|--------------------|---------------|----------|----------|-----------------------------------|-------------------------------|-------------------|
| | Month | INF | PINOVA | EFF | % Cap. | pH s.u. | BOD mg/L | TSS mg/L | NH3 mg/L | Phos mg/L | pH s.u. | D.O. mg/L | BOD mg/L | TSS mg/L | NH3 mg/L | TRC mg/L | Fecal #/100 mL | Phos. mg/L | BOD % | TSS % | | | Maximum Inches |
| January 2018 | 6.5 | 0.7 | 7.3 | 54% | 7.3 | 173 | 175 | | | 6.5 | 7.1 | 7 | 12 | 3.9 | 0.03 | 9 | 3.4 | 95.95% | 93.14% | 1.62 | 3.26 | | |
| February 2018 | 6.9 | 0.7 | 7.8 | 58% | 7.2 | 192 | 203 | | | 6.6 | 6.8 | 8 | 12 | 6.8 | 0.03 | 1 | 4.3 | 95.83% | 94.09% | 0.30 | 0.44 | | |
| March 2018 | 5.8 | 0.7 | 6.8 | 50% | 7.4 | 198 | 190 | | | 6.6 | 6.6 | 11 | 11 | 5.8 | 0.04 | 1 | 3.7 | 94.44% | 94.21% | 0.51 | 1.16 | | |
| April 2018 | 6.7 | 0.6 | 7.8 | 58% | 7.3 | 165 | 149 | | | 6.7 | 6.7 | 8 | 12 | 7.4 | 0.04 | 11 | 3.2 | 95.15% | 91.95% | 1.57 | 3.32 | | |
| May 2018 | 6.4 | 0.7 | 7.5 | 56% | 7.3 | 158 | 161 | | | 6.6 | 6.2 | 6 | 10 | 8.3 | 0.04 | 13 | 3.2 | 96.20% | 93.79% | 0.73 | 2.99 | | |
| June 2018 | 8.9 | 1.0 | 9.2 | 68% | 7.2 | 125 | 132 | 13.4 | 3.4 | 6.5 | 5.5 | 6 | 10 | 2.7 | 0.04 | 13 | 3.4 | 95.20% | 92.42% | 1.75 | 7.20 | | |
| July 2018 | 9.0 | 0.8 | 9.3 | 69% | 7.5 | 126 | 140 | 16.0 | 5.9 | 6.7 | 5.8 | 6 | 11 | 4.2 | 0.02 | 13 | 3.5 | 95.24% | 92.14% | 2.60 | 7.00 | | |
| August 2018 | 7.6 | 0.7 | 7.9 | 59% | 7.8 | 127 | 168 | 20.8 | 4.7 | 6.8 | 5.7 | 8 | 13 | 5.3 | 0.08 | 11 | 3.1 | 93.70% | 92.26% | 1.20 | 2.70 | 0.219 | 67.32 |
| September 2018 | 6.3 | 0.8 | 7.3 | 54% | 7.7 | 153 | 155 | 17.6 | 4.4 | 6.6 | 5.8 | 7 | 13 | 2.7 | 0.05 | 9 | 4.3 | 95.42% | 91.61% | 0.95 | 3.22 | 0.163 | 71.23 |
| October 2018 | 6.1 | 0.5 | 7.0 | 52% | 7.4 | 172 | 172 | 31.8 | 5.2 | 6.6 | 6.0 | 7 | 9 | 9.4 | 0.02 | 41 | 2.6 | 95.93% | 94.77% | 1.72 | 4.54 | 0.164 | 65.55 |
| November 2018 | 6.1 | 0.7 | 7.2 | 53% | 7.6 | 212 | 335 | 23.4 | 5.3 | 6.6 | 6.2 | 8 | 12 | 4.8 | 0.04 | 44 | 3.5 | 96.23% | 96.42% | 3.00 | 5.81 | 0.165 | 88.25 |
| December 2018 | 10.0 | 0.8 | 11.4 | 84% | 7.9 | 121 | 130 | 17.4 | 11.0 | 6.7 | 6.6 | 9 | 15 | 8.0 | 0.02 | 182 | 4.3 | 92.56% | 88.46% | 2.67 | 8.41 | 0.149 | 73.21 |
| January 2019 | 7.4 | 0.7 | 8.1 | 60% | 7.6 | 169 | 193 | 13.1 | 8.4 | 6.8 | 6.5 | 11 | 13 | 11.6 | 0.03 | 24 | 2.9 | 93.49% | 93.26% | 0.90 | 3.07 | 0.589 | 114.16 |
| February 2019 | 6.8 | 0.7 | 8.0 | 59% | 7.6 | 190 | 213 | 18.4 | 15.2 | 6.7 | 6.8 | 9 | 12 | 10.8 | 0.06 | 16 | 8.4 | 95.26% | 94.37% | 1.00 | 1.48 | 0.653 | 85.01 |
| March 2019 | 6.2 | 0.7 | 7.2 | 53% | 7.4 | 258 | 272 | 22.0 | 13.2 | 6.7 | 6.2 | 10 | 12 | 8.5 | 0.04 | 24 | 8.8 | 96.12% | 95.59% | 0.60 | 1.72 | 0.926 | 68.53 |
| April 2019 | 6.3 | 0.7 | 7.2 | 53% | 7.5 | 219 | 231 | 24.1 | 15.8 | 6.9 | 6.3 | 9 | 15 | 11.2 | 0.01 | 23 | 6.8 | 95.89% | 93.51% | 1.83 | 3.56 | 0.890 | 93.13 |
| May 2019 | 5.7 | 0.6 | 6.3 | 47% | 7.5 | 246 | 251 | 31.0 | 15.0 | 6.5 | 5.3 | 11 | 9 | 11.7 | 0.04 | 55 | 10.8 | 95.53% | 96.41% | 0.66 | 1.16 | 0.900 | 86.50 |
| June 2019 | 5.7 | 0.8 | 6.7 | 50% | 7.4 | 251 | 230 | 27.2 | 9.4 | 6.6 | 6.0 | 10 | 11 | 10.7 | 0.10 | 23 | 3.7 | 96.02% | 95.22% | 1.68 | 6.58 | 0.800 | 100.71 |
| July 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| August 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| September 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| October 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| November 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| December 2019 | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 6.9 | 0.7 | 7.8 | 58% | 7.5 | 180.8 | 194 | 21.2 | 8.99 | 6.7 | 6.2 | 8.4 | 11.8 | 7.4 | 0.04 | 28 | 4.7 | 95.23% | 93.53% | 1.41 | 3.76 | 0.511 | 83.05 |
| Max | 10.0 | 1.0 | 11.4 | 84% | 7.9 | 258.0 | 335 | 31.8 | 15.8 | 6.9 | 7.1 | 11.0 | 15.0 | 11.7 | 0.10 | 182 | 10.8 | 96.23% | 96.42% | 3.00 | 8.41 | 0.926 | 114.16 |
| Min | 5.7 | 0.5 | 6.3 | 47% | 7.2 | 121.0 | 130 | 13.1 | 3.40 | 6.5 | 5.3 | 6.0 | 9.0 | 2.7 | 0.01 | 1 | 2.6 | 92.56% | 88.46% | 0.30 | 0.44 | 0.149 | 65.55 |
| Permit Limits | N/A | N/A | 13.5 | N/A | N/A | N/A | N/A | N/A | N/A | 6.0-9.0 | 2.0 | 20.0 | 30.0 | 17.4 | 0.14 | 200 | Report | 85.00% | 85.00% | | | | |

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Fecal - Fecal Coliform Bacteria

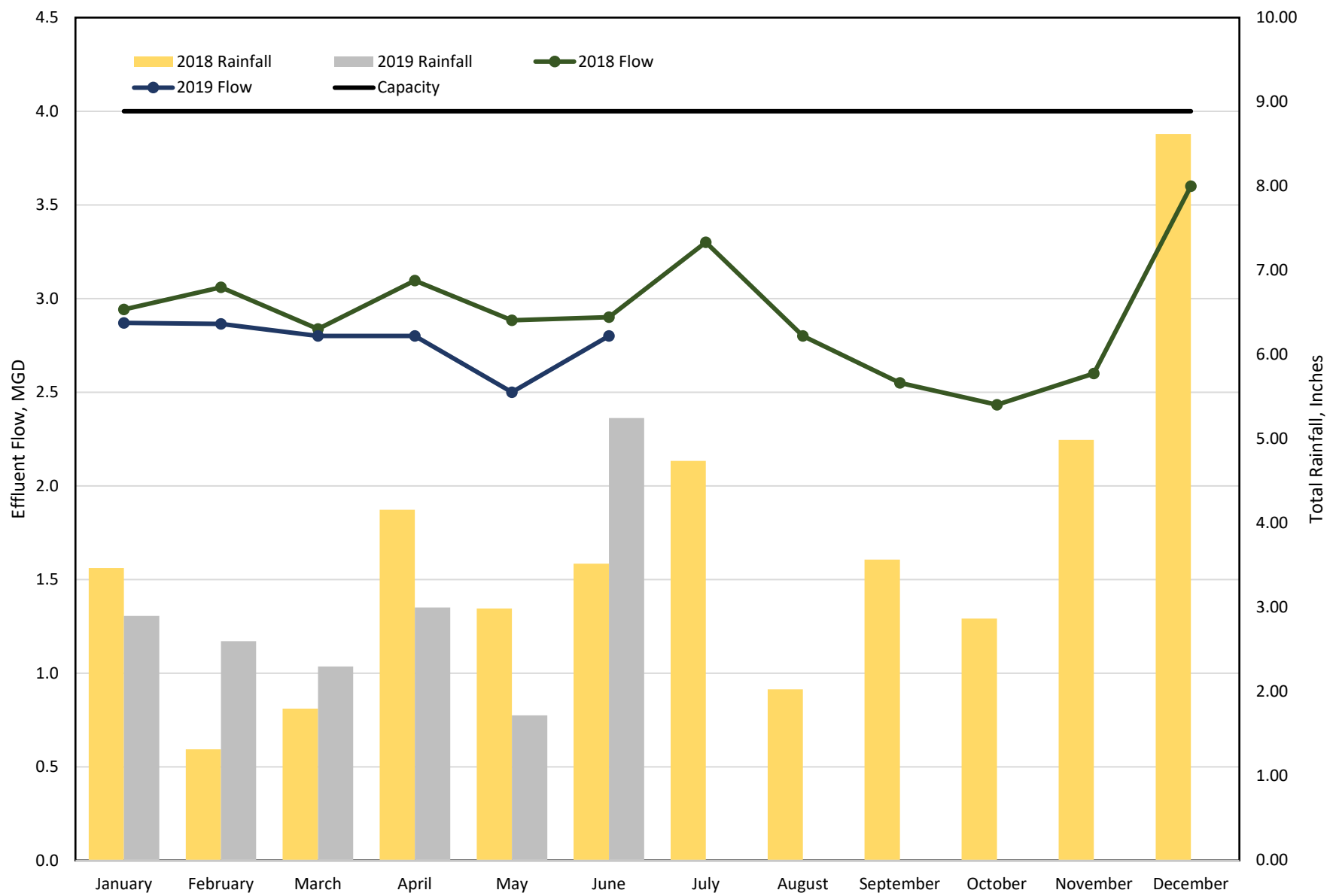
Academy Creek Effluent Flow



| DUNBAR CREEK WWTP | FLOW (MGD) | | | Influent Concentrations | | | | | Effluent Concentrations | | | | | | | Removal Efficiency | | Rainfall | | Water Meter Monthly M/Gal | Sludge Tons to Landfill |
|----------------------|------------|-----|--------|-------------------------|-------------|-------------|-------------|--------------|-------------------------|--------------|-------------|-------------|-------------|---------------------|---------------|--------------------|----------|-------------------|-----------------|------------------------------------|-------------------------------|
| | INF | EFF | % Cap. | pH s.u. | BOD mg/L | TSS mg/L | NH3 mg/L | Phos mg/L | pH s.u. | D.O. mg/L | BOD mg/L | TSS mg/L | NH3 mg/L | Entero. #/100 mL | Phos. mg/L | BOD % | TSS % | Maximum Inches | Total Inches | | |
| | | | | | | | | | | | | | | | | | | | | | |
| January 2018 | 3.4 | 2.9 | 74% | 7.1 | 135 | 133 | | | 7.1 | 8.2 | 3.0 | 2.0 | 0.4 | 9 | 1.7 | 97.78% | 98.50% | 2.03 | 3.47 | | |
| February 2018 | 3.5 | 3.1 | 77% | 7.0 | 149 | 129 | | | 7.0 | 7.3 | 6.0 | 3.0 | 1.6 | 48 | 1.6 | 95.97% | 97.67% | 0.79 | 1.32 | | |
| March 2018 | 3.3 | 2.8 | 71% | 7.3 | 169 | 147 | | | 7.3 | 9.0 | 5.0 | 1.0 | 0.3 | 15 | 3.0 | 97.04% | 99.32% | 0.60 | 1.80 | | |
| April 2018 | 3.5 | 3.1 | 77% | 7.2 | 162 | 163 | | | 7.6 | 8.4 | 2.0 | 1.0 | 0.1 | 6 | 2.7 | 98.77% | 99.39% | 1.18 | 4.16 | | |
| May 2018 | 3.3 | 2.9 | 72% | 7.2 | 165 | 158 | | | 7.7 | 8.3 | 2.0 | 2.0 | 0.6 | 24 | 2.9 | 98.79% | 98.73% | 0.75 | 2.99 | | |
| June 2018 | 3.5 | 2.9 | 73% | 7.1 | 161 | 139 | 22.0 | 3.20 | 7.7 | 7.7 | 2.1 | 1.0 | 1.3 | 17 | 2.8 | 98.70% | 99.28% | 1.30 | 3.52 | | |
| July 2018 | 3.6 | 3.3 | 83% | 7.2 | 157 | 153 | 26.7 | 4.10 | 7.5 | 6.6 | 2.2 | 1.0 | 0.2 | 3 | 2.7 | 98.60% | 99.35% | 1.52 | 4.74 | | |
| August 2018 | 2.7 | 2.8 | 70% | 7.5 | 139 | 114 | 28.6 | 3.45 | 7.7 | 7.5 | 1.0 | 1.0 | 0.9 | 8 | 3.1 | 99.28% | 99.12% | 0.68 | 2.03 | 0.070 | 22.86 |
| September 2018 | 2.6 | 2.6 | 64% | 7.5 | 134 | 137 | 21.9 | 3.95 | 7.7 | 7.9 | 2.0 | 1.0 | 0.6 | 30 | 2.9 | 98.51% | 99.27% | 0.87 | 3.57 | 0.030 | 22.06 |
| October 2018 | 2.8 | 2.4 | 61% | 7.4 | 131 | 123 | 20.9 | 3.25 | 7.8 | 7.7 | 2.0 | 2.5 | 0.4 | 29 | 2.3 | 98.47% | 97.99% | 1.27 | 2.87 | 0.033 | 18.36 |
| November 2018 | 3.6 | 2.6 | 65% | 7.5 | 143 | 131 | 20.6 | 3.85 | 7.8 | 8.2 | 1.0 | 3.0 | 0.8 | 8 | 3.8 | 99.30% | 97.71% | 2.79 | 4.99 | 0.041 | 21.84 |
| December 2018 | 4.4 | 3.6 | 90% | 7.1 | 98 | 116 | 14.5 | 2.35 | 7.7 | 8.8 | 2.0 | 2.3 | 0.9 | 46 | 1.4 | 97.96% | 98.02% | 2.05 | 8.62 | 0.058 | 17.20 |
| January 2019 | 3.8 | 2.9 | 72% | 7.3 | 132 | 142 | 16.3 | 2.85 | 7.6 | 8.9 | 2.0 | 2.0 | 0.7 | 22 | 2.2 | 98.48% | 98.59% | 1.50 | 2.90 | 0.044 | 19.62 |
| February 2019 | 3.5 | 2.9 | 72% | 7.5 | 148 | 161 | 20.9 | 2.65 | 7.5 | 8.7 | 2.0 | 1.8 | 0.5 | 11 | 2.0 | 98.65% | 98.86% | 1.00 | 2.60 | 0.015 | 7.41 |
| March 2019 | 3.2 | 2.8 | 70% | 7.3 | 192 | 195 | 23.5 | 3.40 | 7.5 | 8.4 | 1.0 | 1.8 | 0.5 | 5 | 2.3 | 99.48% | 99.08% | 0.60 | 2.30 | 0.035 | 18.11 |
| April 2019 | 3.5 | 2.8 | 70% | 7.2 | 205 | 230 | 23.3 | 3.90 | 7.5 | 7.6 | 2.0 | 2.3 | 0.9 | 5 | 2.4 | 99.02% | 99.00% | 0.90 | 3.00 | 0.037 | 26.76 |
| May 2019 | 3.4 | 2.5 | 63% | 7.2 | 206 | 237 | 35.3 | 5.30 | 7.5 | 7.2 | 2.0 | 3.1 | 0.5 | 3 | 3.0 | 99.03% | 98.69% | 0.98 | 1.72 | 0.035 | 21.03 |
| June 2019 | 3.7 | 2.8 | 70% | 7.3 | 189 | 267 | 22.0 | 4.80 | 7.5 | 7.4 | 2.0 | 2.5 | 0.5 | 5 | 3.3 | 98.94% | 99.06% | 1.62 | 5.25 | 0.043 | 4.52 |
| July 2019 | | | | | | | | | | | | | | | | | | | | | |
| August 2019 | | | | | | | | | | | | | | | | | | | | | |
| September 2019 | | | | | | | | | | | | | | | | | | | | | |
| October 2019 | | | | | | | | | | | | | | | | | | | | | |
| November 2019 | | | | | | | | | | | | | | | | | | | | | |
| December 2019 | | | | | | | | | | | | | | | | | | | | | |
| Average | 3.4 | 2.9 | 72% | 7.3 | 156.4 | 159.7 | 22.8 | 3.62 | 7.5 | 8.0 | 2.3 | 1.9 | 0.7 | 16 | 2.6 | 98.49% | 98.76% | 1.2 | 3.4 | 0.040 | 18.16 |
| Max | 4.4 | 3.6 | 90% | 7.5 | 206.0 | 267.0 | 35.3 | 5.30 | 7.8 | 9.0 | 6.0 | 3.1 | 1.6 | 48 | 3.8 | 99.48% | 99.39% | 2.8 | 8.6 | 0.070 | 26.76 |
| Min | 2.6 | 2.4 | 61% | 7.0 | 98.0 | 114.0 | 14.5 | 2.35 | 7.0 | 6.6 | 1.0 | 1.0 | 0.1 | 3 | 1.4 | 95.97% | 97.67% | 0.6 | 1.3 | 0.015 | 4.52 |
| Permit Limits | N/A | 4.0 | N/A | N/A | N/A | N/A | N/A | N/A | 6.0-9.0 | 6.0 | 5.0 | 20.0 | 2.0 | 35 | Report | 85.00% | 85.00% | | | | |

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Entero. - Enterococci Bacteria

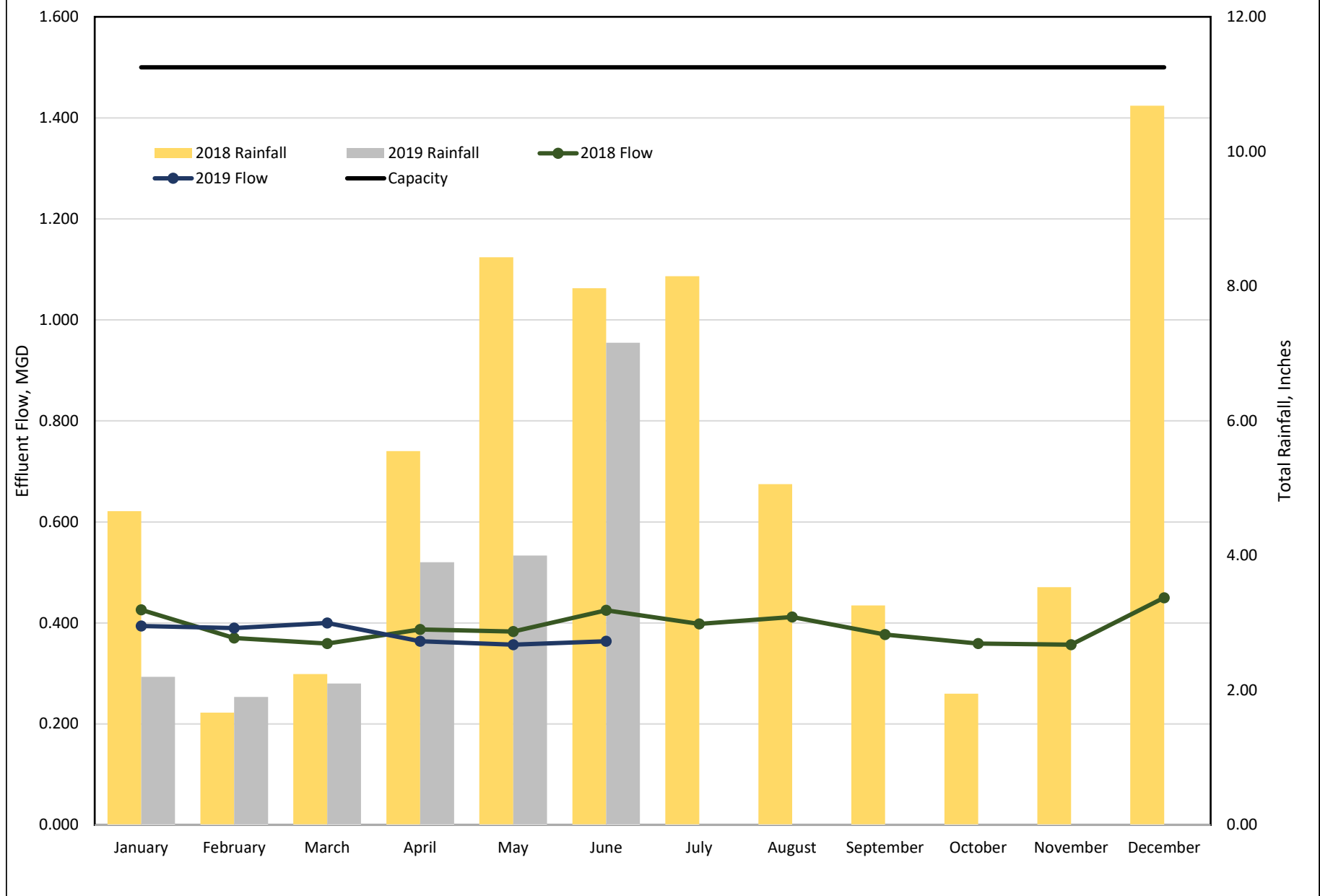
Dunbar Creek Effluent Flow



| SOUTHPORT WWTP | FLOW (MGD) | | | Influent Concentrations | | | | | Effluent Concentrations | | | | | | | Removal Efficiency | | Rainfall | | Water Meter Monthly M/Gal | Sludge Tons to Landfill |
|-------------------|------------|-------|-----|-------------------------|------------|-------------|-------------|-------------|-------------------------|------------|--------------|-------------|-------------|-------------|-------------------|--------------------|----------|----------|-------------------|------------------------------------|-------------------------------|
| | Month | INF | EFF | % Cap. | pH s.u. | BOD mg/L | TSS mg/L | NH3 mg/L | Phos mg/L | pH s.u. | D.O. mg/L | BOD mg/L | TSS mg/L | NH3 mg/L | Fecal #/100 mL | Phos. mg/L | BOD % | TSS % | Maximum Inches | | |
| January 2018 | 0.446 | 0.426 | 28% | 6.8 | 121 | 131 | | | 6.8 | 8.5 | 4.1 | 8.5 | 5.3 | 12 | 0.3 | 96.61% | 93.51% | 2.51 | 4.66 | | |
| February 2018 | 0.376 | 0.370 | 25% | 6.9 | 143 | 129 | | | 7.1 | 8.2 | 6.0 | 8.0 | 6.0 | 6 | 1.1 | 95.80% | 93.80% | 0.86 | 1.67 | | |
| March 2018 | 0.363 | 0.359 | 24% | 7.2 | 157 | 174 | | | 7.2 | 8.7 | 4.0 | 4.0 | 0.1 | 15 | 0.4 | 97.45% | 97.70% | 0.96 | 2.24 | | |
| April 2018 | 0.382 | 0.387 | 26% | 6.8 | 138 | 114 | | | 6.8 | 8.9 | 3.3 | 4.9 | 0.1 | 65 | 0.6 | 97.61% | 95.70% | 1.51 | 5.55 | | |
| May 2018 | 0.384 | 0.383 | 26% | 6.8 | 120 | 103 | | | 7.3 | 8.0 | 3.9 | 3.2 | 0.6 | 9 | 0.7 | 96.75% | 96.89% | 2.14 | 8.43 | | |
| June 2018 | 0.399 | 0.425 | 28% | 7.0 | 121 | 109 | 23.0 | 4.4 | 7.0 | 7.0 | 4.0 | 3.0 | 0.5 | 9 | 0.4 | 96.69% | 97.25% | 2.61 | 7.97 | | |
| July 2018 | 0.382 | 0.398 | 27% | 6.8 | 132 | 119 | 25.9 | 3.2 | 7.3 | 7.3 | 4.0 | 2.4 | 0.1 | 3 | 0.6 | 96.97% | 97.98% | 2.65 | 8.15 | | |
| August 2018 | 0.393 | 0.412 | 27% | 6.6 | 128 | 138 | 31.1 | 5.0 | 6.8 | 8.0 | 4.4 | 4.5 | 0.7 | 8 | 0.3 | 96.56% | 96.74% | 1.36 | 5.06 | 0.009 | 3.57 |
| September 2018 | 0.353 | 0.377 | 25% | 6.6 | 142 | 131 | 26.6 | 3.8 | 7.2 | 8.0 | 4.8 | 5.2 | 0.6 | 6 | 0.7 | 96.65% | 96.03% | 1.18 | 3.26 | 0.006 | 9.06 |
| October 2018 | 0.354 | 0.359 | 24% | 6.7 | 143 | 124 | 25.6 | 4.1 | 7.5 | 8.8 | 5.0 | 5.0 | 0.3 | 10 | 1.5 | 96.50% | 95.97% | 0.88 | 1.95 | 0.005 | 7.52 |
| November 2018 | 0.356 | 0.357 | 24% | 7.0 | 166 | 149 | 35.1 | 4.5 | 7.9 | 9.0 | 4.0 | 7.0 | 1.4 | 3 | 1.1 | 97.59% | 95.30% | 1.64 | 3.53 | 0.004 | 2.16 |
| December 2018 | 0.384 | 0.450 | 30% | 7.0 | 115 | 94 | 25.0 | 1.6 | 7.5 | 8.6 | 3.0 | 3.0 | 0.7 | 6 | 0.4 | 97.39% | 96.81% | 3.48 | 10.68 | 0.004 | 4.64 |
| January 2019 | 0.376 | 0.394 | 26% | 6.9 | 128 | 376 | 23.3 | 3.7 | 7.3 | 9.0 | 3.0 | 3.0 | 0.6 | 6 | 0.1 | 97.65% | 99.20% | 1.00 | 2.20 | 0.006 | 3.37 |
| February 2019 | 0.377 | 0.390 | 26% | 7.5 | 111 | 93 | 29.8 | 1.20 | 7.5 | 8.9 | 3.0 | 4.0 | 0.5 | 8 | 0.5 | 97.31% | 95.70% | 0.06 | 1.90 | 0.007 | 6.79 |
| March 2019 | 0.358 | 0.400 | 27% | 6.9 | 111 | 109 | 31.7 | 3.90 | 7.2 | 8.9 | 4.0 | 4.0 | 0.5 | 6 | 0.1 | 96.40% | 96.33% | 0.50 | 2.10 | 0.008 | 6.50 |
| April 2019 | 0.359 | 0.364 | 24% | 6.8 | 113 | 78 | 30.8 | 3.95 | 7.7 | 8.3 | 6.0 | 2.0 | 0.8 | 4 | 1.0 | 94.69% | 97.44% | 0.13 | 3.90 | 0.008 | 5.35 |
| May 2019 | 0.350 | 0.357 | 24% | 6.9 | 121 | 92 | 40.2 | 4.40 | 7.3 | 8.0 | 5.8 | 4.7 | 0.6 | 5 | 0.7 | 95.21% | 94.89% | 1.68 | 4.00 | 0.007 | 3.56 |
| June 2019 | 0.358 | 0.364 | 24% | 6.8 | 98 | 124 | 27.9 | 3.80 | 7.2 | 6.6 | 4.0 | 5.0 | 0.3 | 4 | 0.7 | 95.92% | 95.97% | 1.26 | 7.16 | 0.006 | 5.25 |
| July 2019 | | | | | | | | | | | | | | | | | | | | | |
| August 2019 | | | | | | | | | | | | | | | | | | | | | |
| September 2019 | | | | | | | | | | | | | | | | | | | | | |
| October 2019 | | | | | | | | | | | | | | | | | | | | | |
| November 2019 | | | | | | | | | | | | | | | | | | | | | |
| December 2019 | | | | | | | | | | | | | | | | | | | | | |
| Average | 0.375 | 0.387 | 26% | 6.9 | 128.2 | 132.6 | 28.9 | 3.65 | 7.3 | 8.3 | 4.2 | 4.5 | 1.1 | 10 | 0.6 | 96.65% | 96.29% | 1.5 | 4.7 | 0.006 | 5.25 |
| Max | 0.446 | 0.450 | 30% | 7.5 | 166.0 | 375.7 | 40.2 | 5.00 | 7.9 | 9.0 | 6.0 | 8.5 | 6.0 | 65 | 1.5 | 97.65% | 99.20% | 3.5 | 10.7 | 0.009 | 9.06 |
| Min | 0.350 | 0.357 | 24% | 6.6 | 98.0 | 78.0 | 23.0 | 1.20 | 6.8 | 6.6 | 3.0 | 2.0 | 0.1 | 3 | 0.1 | 94.69% | 93.51% | 0.1 | 1.7 | 0.004 | 2.16 |
| Permit Limits | N/A | 1.500 | N/A | N/A | N/A | N/A | N/A | N/A | 6.0-9.0 | 5.0 | 30.0 | 30.0 | 13.0 | 200 | Report | 85.00% | 85.00% | | | | |

BOD - Biochemical Oxygen Demand
TSS - Total Suspended Solids
NH3 - Ammonia
Phos - Phosphorus
D.O. - Dissolved Oxygen
TRC - Total Residual Chlorine
Fecal - Fecal Coliform Bacteria

Southport Effluent Flow



PROJECT REPORT

Financial Data as of 06-30-2019

| Proj # | Project Name | Original Project Estimate | Proj Mgr. | Concept Design | Detail Design | Construction | BUDGET VS. EXPENDITURES | | | | | | | | | | | | | | | | PROJECT STATUS | |
|---------------|--|---------------------------|------------------------|----------------|-------------------|---------------------------|----------------------------------|-------------------|------------------|----------------------|------------------------|----------------------------|------------------|--------------------------|------------------------|--------------------|--------------------|-------------------------------------|-----------------------------|--------------------------|---------------------------|--------------------------------------|--|--|
| | | | | | | | BOC APPROVED FUNDING & SOURCE(1) | | | | COMMITTED | | | EXPENDITURES | | | | BALANCE | | Current Phase Completion | Next Phase Length of Time | Total Project Anticipated Completion | Status | |
| | | | | | | | R&R Reserve | CIF Reserve | SPLOST | Total Approved Funds | Purchase Orders Issued | BOC Approved Change Orders | Total PO+CO | Expenditures Paid to POs | Remaining Expenditures | Misc. Expenditures | Total Expenditures | Uncommitted \$\$\$ (App Fund - Exp) | % Approved Budget Available | | | | | |
| 232 | SR-99 Water Main Extension | 2,200,000 | T. Kline | EMC | RGA / EMC | Seaboard | | 2,200,000 | | 2,200,000 | 1,263,167 | 287,693 | 1,550,860 | 1,478,971 | 177,373 | 282,572 | 1,938,916 | 261,084 | 11.87% | TBD | TBD | TBD | JWSC potholing existing utilities for onsite GDOT mtg to move forward. Change Order will be necessary to complete Ph.1. | |
| 417 | Ridgewood Water Production Facility | 1,000,000 | T. Kline | JWSC | RGA | TBD | 1,000,000 | | 1,000,000 | 0 | 0 | 0 | 0 | 104,450 | 65,943 | 170,393 | 829,607 | 82.96% | TBD | TBD | TBD | Projected Bid early August | | |
| 501 | Alder Circle/Sea Palms W&S Improvement | 300,000 | T. Kline/ A. Burroughs | JWSC | EMC | TBD | 35,300 | | 213,899 | 178,599 | 45,296 | 14,550 | 59,846 | 45,546 | | | 45,546 | 168,353 | 78.71% | TBD | TBD | TBD | SPLOST V funded. Reallocated to other Sea Palms East water improvements. WM crossing @ Frederica/Colonial - COMPLETE. | |
| 602 | Holly Street/Sea Palms W&S Improvements | 650,000 | T. Kline/ A. Burroughs | JWSC | HHNT | TBD | 46,000 | | 607,795 | 561,795 | 46,700 | 0 | 46,700 | 41,963 | 0 | 0 | 41,963 | 565,832 | 93.10% | TBD | TBD | TBD | Reallocating to collection system rehab; possibly Sea Palms East & West. | |
| 702 | North Mainland Sewer Improvements | 14,900,000 | T. Kline | JWSC/ EMC | T&H | TBD | | 11,700,000 | 3,200,000 | 14,900,000 | 3,918,587 | 286,264 | 4,204,851 | 4,264,433 | 606,911 | 0 | 4,871,344 | 10,028,656 | 67.31% | Winter 2019 | 180 days | Fall 2020 | Kickoff meeting 07/23/2019 | |
| 703 | PS 4003 Decommission and Gravity Sewer | 3,300,000 | T. Kline | JWSC | HGB | TBD | | 3,300,000 | 3,300,000 | 3,300,000 | 248,599 | 0 | 248,599 | 26,710 | 218,274 | 7,204 | 252,188 | 3,047,812 | 92.36% | Winter 2019 | 120 days | Fall 2020 | Force Main assessment 07/22/2019 | |
| 704 | Canal Road to Glynco 12" Watermain Loop | 1,200,000 | T. Kline | JWSC | JWSC | TBD | | 1,200,000 | 1,200,000 | 1,200,000 | 48,000 | 0 | 48,000 | 48,000 | 0 | 0 | 48,000 | 1,152,000 | 96.00% | TBD | TBD | TBD | Potential construction October 2019, JWSC in-house forces to construct | |
| 801 | FEMA Hazard Mitigation-Academy Creek | 3,188,000 | A. Burroughs | Haggerty | TBD | TBD | 3,188,000 | | 3,188,000 | 3,188,000 | 33,908 | | 33,908 | 28,083 | 0 | 96,079 | 124,162 | 3,063,838 | 96.11% | TBD | TBD | TBD | Awaiting FEMA decision. | |
| 804 | Magnolia Water Improvements | 1,150,000 | T. Kline | JWSC | City of BWK / EMC | TBD | 1,150,000 | | 1,150,000 | 1,150,000 | 117,050 | 0 | 117,050 | 44,684 | 72,366 | 0 | 117,050 | 1,032,950 | 89.82% | Winter 2019 | 270 days | Winter 2019 | City Project/contract. EOR completing bid docs and EOPC for waterline route in shoulder. City has determined JWSC 50/50 cost sharing for paving. Need to compare estimates and finalize bidding options. | |
| 805 | L Street Water Improvements | 650,000 | T. Kline | JWSC | City of BWK / EMC | Georgia Asphalt Producers | 787,334 | | 787,334 | 787,334 | 751,780 | 0 | 751,780 | 71,956 | 679,824 | 0 | 751,780 | 35,554 | 4.52% | Winter 2019 | 180 days | Fall 2019 | Construction in process. WM installation revised to obtain separation from existing gas main, structures and existing water main. Meeting held with Pinova to discuss WM crossing at entrance. | |
| 806 | Academy Creek Oxygen System Rehab | 650,000 | A. Burroughs | HGB | HGB | A&G / Matheson | 1,040,000 | | 1,040,000 | 1,040,000 | 1,012,002 | 0 | 1,012,002 | 713,978 | 288,486 | 0 | 1,002,464 | 37,536 | 3.61% | July 2019 | N/A | July 2019 | Waiting on programming of LELs and connection of Tank 1 to new system | |
| 807 | SSI Phase II Smoke & Dye Testing | 150,000 | E. Zettler | TBD | TBD | McKim & Creed | 150,000 | | 150,000 | 150,000 | 119,656 | 0 | 119,656 | 94,556 | 0 | 0 | 94,556 | 55,444 | 36.96% | Spring 2019 | 30 Days | Fall 2019 | Awaiting final billing | |
| 903 | SR 27 Resurfacing from Yellow Bluff Creek to US 25 | 77,000 | T. Kline | JWSC/GDOT | GDOT | GDOT | 102,000 | | 102,000 | 102,000 | 77,250 | 24,750 | 102,000 | 0 | 0 | 0 | 0 | 102,000 | 100.00% | TBD | TBD | TBD | Budget adjusted 06/20 | |
| 904 | Lift Station 4021 Improvements | 275,000 | T. Kline | JWSC | JWSC | TBD | | 275,000 | 275,000 | 275,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275,000 | 100.00% | TBD | TBD | Summer 2019 | In-House Engineering in progress. Staff evaluating options for duplex or triplex pump setup. | |
| 905 | Glynn County Village Storm Improvements Phase 1 | 60,000 | T. Kline | JWSC | GWES/ GlynnCo | Hiers/Griffin Utility | 60,000 | | 60,000 | 60,000 | 60,000 | 0 | 60,000 | 0 | 60,000 | 0 | 60,000 | 0 | 0.00% | Winter 2019 | 60 days | Winter 2019 | Construction Complete. Finalizing shared costs with County. | |
| 906 | Water Pollution Rehab-Academy & Dunbar | 15,000,000 | A. Burroughs | JWSC | GMC | TBD | | 1,480,647 | 16,480,647 | 16,480,647 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,480,647 | 100.00% | March 2020 | 270 days | Fall 2021 | Kickoff held 06/24/19, NTP dated 7/1/19 | |
| 907 | Sewer Expansion Study - Brunswick | 60,000 | A. Burroughs | JWSC | GWES | TBD | 60,000 | | 60,000 | 60,000 | 17,636 | 0 | 17,636 | 8,703 | 8,933 | 0 | 17,636 | 42,364 | 70.61% | Complete | Complete | Complete | Complete, awaiting final billing | |
| TOTALS | | | | | | | 7,618,634 | 15,375,000 | 8,721,041 | 46,714,675 | 7,759,631 | 613,257 | 8,372,888 | 6,867,583 | 2,216,617 | 451,798 | 9,535,998 | 37,178,677 | 79.59% | | | | | |

| UNSOLICITED PROPOSALS | DESCRIPTION | Concept | Application | Preliminary Engineering | Comprehensive Agreement | Project | Capital Fees Generated | STATUS |
|---|--|----------------|--------------|-------------------------|-------------------------|---------|------------------------|---|
| Sinclair S/D residential development (SSI) | 121 Lot S/D; proposed improvements to PS2056 and force main. | Complete | Complete | Complete | Complete | * | * | Development still in planning review with Glynn County. |
| Bergen Woods Apartments | Proposed 252 apartment development; PS4105 and force main improvements. | Complete | Complete | Complete | Complete | * | * | Waiting on offsite forcemain & PS improvement plans for approval. |
| Frederica Township | Downstream upgrades to accommodate 200 additional lots; cooperative w/ Sinclair U.P. | Complete | Complete | Complete | Complete | * | * | Waiting on offsite forcemain & PS improvement plans for approval. |
| Oak Grove/Carolina Partners | Force main improvements to serve proposed development on Oak Grove Island. | Complete | Complete | Complete | Under review | * | * | Executed. |
| Saddlebrook Subdivision / Wade Journey Homes | Improve PS4105 sewer capacity for the addition of 41 new homes | Complete | Complete | Complete | Complete | * | * | Executed. Capital fees paid. |
| Hillpointe LLC Apts. (link to Proj 904) | Improve PS4056 & 4059 for proposed 240 unit apt. complex 3061 Old Cypress Mill Rd. | Complete | Under review | | | * | * | Application under review. |
| Boomers Bakery (fmr. Pumpkin Patch) W& FM extension | Extend W&S from Friendly Exp #71 to 341; obtain easement | In discussions | | | | * | * | In discussions with developer to obtain easement access to US341. |

| BULL PEN (Proposed) | |
|--|---|
| Glynn County Village Storm Improvements- Phase II JWSC 2020 SPLOST projects | Opportunity project with Glynn County to replace/upgrade sections of W&S in common with areas of storm improvements. Proposed list under Staff/BOC review. |

| COMPLETED | | |
|---|---|---|
| 213 NM WTP NPDES Permit | 418 Southport Water Production Facility | 706 Dunbar Creek WWTP Project Evaluation |
| 225 CMMS System Upgrade | 419 Canal Rd to Old Jesup W/S Improvements | 707 Academy Creek WWTP Project Evaluation |
| 301 SCADA Upgrade Project | 424 Low Pressure Sewer Design-Community Rd | 708 Academy Creek WWTP Odor Control |
| 304 SSI Village Area Water Improvements | 425 Low Pressure Sewer Design-Epworth Acres | 709 Mainland Sewer Transmission Sys Cap |
| 319 Urbana | 503 Canal Crossing W/S Improvements | 710 LF 2002 Upgrades |
| 421 Mansfield | 504 Canal Rd Pump Station | 802 VT SCADA |
| 403 SCADA Upgrade | 505 Lift Station 2032 and Forcemain | 803 SSI Sanitary Sewer Flow Monitoring |
| 409 LS 2030 and FM Rehab | 701 PS 4048 Force Main Improvements | 901 Lift Station 3114 Upgrades Ph 1 |
| 413 Frederica/Atlantic Sewer & FM Rehab | 702 (P1) North Mainland Sewer Improvements | 902 Friendly Express |
| 416 Hampton Water Production Facility | 705 Hautala to Old Jesup Watermain Loop | 909 CCTV Pump Station 4105 Reroute |