



Brunswick-Glynn County Joint Water and Sewer Commission
1703 Gloucester Street, Brunswick GA 31520
Wednesday, June 19, 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 June 5, 2019 Facilities Committee Meeting (*subject to any necessary changes*)**
- 2. SR27 Resurfacing Contract Agreement – A. Burroughs**
- 3. Mainland Smoke Testing Project Budget Approval – A. Burroughs**
- 4. SPLOST 2016 North Mainland CIPP Contract Award – A. Burroughs**

DISCUSSION

- 1. WPCF Plant Flows Report – A. Burroughs**
- 2. Project Report – A. Burroughs**

MEETING ADJOURNED



Brunswick-Glynn County Joint Water & Sewer Commission
1703 Gloucester Street, Brunswick, GA 31520
Commission Meeting Room
Wednesday, June 19, 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: Donald Elliott, 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 June 5, 2019

Commissioner Duncan made a motion seconded by Commissioner Copeland to approve the minutes from the Facilities Committee Meeting held on June 5, 2019. Motion carried 3-0-0.

2. SR27 Resurfacing Contract Agreement – A. Burroughs

Chairman Turnipseed provided that JWSC has a current agreement with the Georgia Department of Transportation for SR27 resurfacing for which the actual bid cost came in at about \$24,000 higher than the original estimated cost.

Commissioner Duncan made a motion seconded by Commissioner Copeland to move that the Facilities Committee amend the SR27 Resurfacing Project funding to a total amount of \$102,000.00 and that this project funding approval be forwarded to the full Commission for approval contingent upon Finance Committee approval.

Commissioner Duncan questioned if the amount of the increase was just the unit cost increase, and Mr. Burroughs advised there was no increase in the scope of work and this was the bid price on the unit costs. Commissioner Duncan then asked if this was directionally what's occurring on the DOT projects or from a construction activity in our region. Mr. Burroughs commented that he believed the limited amount of contractors who could handle this DOT project likely played a role in the price coming in higher than expected. Commissioner Duncan then asked about using these unit costs provided and as we move forward on other similar type projects if we will have better unit pricing for estimations. Mr. Burroughs advised that tracking of unit costs on bids is kept and this information will be kept and used also.

Motion carried 3-0-0.

3. Mainland Smoke Testing Project Budget Approval– A. Burroughs

Mr. Burroughs recalled for the committee that the smoke and dye testing had been done on St. Simons Island and that prior to doing that part of the study, flow monitoring was done to determine which of the basins needed smoke testing. He advised that the same study will be done on the mainland, however will include only the smoke testing and will not include flow monitoring which will save about \$300,000.00. Staff will be able to analyze the pump run times on the mainland to determine which basins to smoke test.

Commissioner Copeland made a motion seconded by Commissioner Duncan to move that the Facilities Committee approve project funding in the amount of \$325,000.00 for the Mainland Smoke Testing project and that this project funding approval be forwarded to the full Commission for approval contingent upon Finance Committee approval.

Mr. Burroughs provided that this study will include more than twice the amount of linear feet of pipe than what was done on the Island. Two maps were included for review of the basins in Brunswick and the North Mainland. Chairman Turnipseed inquired as to the RFP being sent out and what happens if the bids are higher than the approved budget amount of \$325K for the project. Mr. Burroughs noted that staff can either come back to the committee to ask for a budget increase or remove some of the footage from the project scope to reduce the cost and prioritizing the basins that have the highest flow. Chairman Turnipseed asked how many basins will be looked at for this study, and Mr. Burroughs advised there are 25. The chairman suggested breaking down the group of basins where some could be removed from the scope if needed. Mr. Burroughs advised staff will obtain a price per linear foot and also include language in the RFP indicating that some basins might not be done based on budget. The committee discussed the options of how to request the pricing information in the RFP in the case that not all basins are included. The RFP is expected to go out in July and the study is expected to begin by the end of the year.

Motion carried 3-0-0.

4. SPLOST 2016 North Mainland CIPP Contract Award – A. Burroughs

Mr. Burroughs advised that about 7,800 feet of 30 inch concrete pipe, 425 feet of 42 inch concrete pipe, and approximately 70 manholes will be repaired by CIPP. He noted that the unit cost for point repairs was included in case they are needed. Five firms provided bids of which the lowest apparent bid came from Inland Pipe Rehabilitation Southeast out of North Georgia. Mr. Burroughs mentioned that the design engineer for the project, Thomas & Hutton submitted a letter recommending IPR and noted that have worked with them in the past and approved and recommended their work. IPR also had a more cost effective manhole rehab set-up. The bid from IPR came in at just under \$100K what was expected. Mr. Burroughs commented that with the bid coming in lower than expected there is a chance that the available SPLOST funds may cover the total amount of the project. The project is expected to start by August 1st and the 120 day contract should be done by the end of November. IPR Southeast, LLC is offering a guarantee for 10 years including product quality and craftsmanship.

Commissioner Duncan made a motion seconded by Commissioner Copeland to move that the Facilities Committee approve the award of a contract to IPR Southeast, LLC in the amount of \$2,550,519.00 for CIPP sewer main gravity and manhole repairs as part of the 2016 SPLOST North Mainland Project and forward to the full Commission for approval. Motion carried 3-0-0.

DISCUSSION

1. WPCF Plant Flows Report – A. Burroughs

Mr. Burroughs reviewed the reports for the plant flows for Academy Creek, Dunbar Creek and Southport Wastewater Treatment Plants with the Commissioners. He advised that the month of May was dry and it could be seen by the reduced flows from the treatment plants and noted that with less fluids the influent concentrations are higher. Mr. Burroughs provided that all three plants are operating well within permit levels and operating at below capacity.

2. Project Report – A. Burroughs

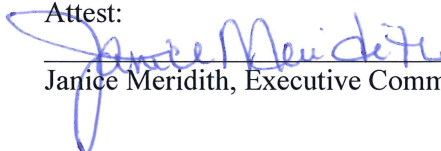
Mr. Burroughs stated that he has received the draft version of the Sewer Expansion Study from Georgia Water Environmental Services for his comments. They provided some cost figures for providing water and sewer services to the three unserved areas identified for the study. Mr. Burroughs noted that the rough draft of the Odor Control Study was due by Friday from Stantec. He added that based off preliminary findings it appears that the best course of action at Academy Creek would be to cover up the wet well and put in a vapor phase system. It does not appear to be cost effective to put in chemicals upstream due to the volume it would require to remove the sulfides. Upstream treatment can be done for odor control, however at the treatment plant there would not be much of an impact treating with the chemicals. Mr. Burroughs commented that on the wastewater treatment plant rehab, the kickoff meeting will be held on Monday with Goodwyn, Mills, Cawood. The Sea Palms Water and Sewer Rehab Project will go out for bid ASAP. Todd Kline reported on PS4021 project and provided his recommended to go with duplex pumps to lessen the amount of work needed on pipes there with less construction and disturbance for the businesses there. The advertising package should be ready in 30 days. Mr. Kline also updated the committee on the Magnolia Park Project that staff is coordinating with City of Brunswick. Do have determination from the City on the cost sharing expected. Design plans are essentially complete and the City plans to go out for bid soon. Mr. Burroughs advised that as a part of the North Mainland Project, we now have a better indication of where the Canal Road Widening Project is going from Glynn County's perspective. Now that we have that information we will start seeing some progress on the Canal Road to Glynco 12 inch loop that has been planned for and was held up due to not knowing the final plans the County had for widening the road. Chairman Turnipseed asked Mr. Burroughs if he could give the committee an idea of the number of leaks per mile on the transite pipes in Sea Palms. Mr. Burroughs noted he could provide those numbers. Chairman Turnipseed requested an update on the L Street Project. Mr. Kline advised the site meeting was held this week. The waterline is just past Bartow. Challenges have been recognized with existing infrastructure mainly with gas lines. The gas company is working on their lines while the roads are under construction which has caused the City to fall behind in following JWSC in the roadwork.

There being no further committee business, Chairman Turnipseed adjourned the meeting at 3:33 p.m.



G. Ben Turnipseed, Chairman

Attest:



Janice Meredith, Executive Commission Administrator



Brunswick-Glynn County Joint Water and Sewer Commission

MEMO for Recommendation

To: BGJWSC – Facilities Committee
From: Todd Kline, P.E. (Planning & Construction, Director of Engineering)
Date: 19 June 2019
Re: Resurfacing SR27 from Yellow Bluff Creek to SR25; budget increase

Background

Capital Project #903 is a GDOT project that consists of 6.89 miles of milling and resurfacing beginning at the South end of Yellow Bluff Creek and ending at the intersection for SR25 (**See attached Exhibit A**). The project also includes curb and gutter, sidewalks, handicap ramps, loop detectors and striping.

Staff Report

The JWSC entered into an MOU with GDOT to facilitate adjustments to JWSC utilities that are in conflict with the subject project. An initial cost estimate of \$77,250.00 was included in the MOU provided by GDOT and approved by the JWSC Board of Commissioners on July 19, 2018 (**See attached Exhibit B**).

Plant Improvement Co., Inc., was awarded the contract by GDOT on April 5, 2019. The installation of JWSC facilities in conflict with the project have been included in the project as requested by the JWSC. The agreement was based upon the initial GDOT estimate of \$77,250.00, however the actual bid for the cost of JWSC infrastructure work is \$101,928.59 (**See attached Exhibit C**).

Fiscal Impact

This project is to be funded from Repair & Replacement Capital Reserves. The proposed budget increase is \$24,678.59.

Action Options

1. Do nothing. GDOT will still proceed with work and invoice the JWSC at their discretion.
2. Obtain GDOT permitting to coordinate and perform the necessary adjustments during the roadway Construction by JWSC forces.
3. Facilitate necessary adjustments to JWSC infrastructure via GDOT contractor forces by increasing the project budget to meet the realized bid value provided by GDOT.

Staff recommends Option #3.

Recommended Committee Action

I make a motion that the Facilities Committee amend the SR27 Resurfacing Project funding to a total amount of \$102,000.00 and that this project funding approval be forwarded to the full Commission for approval contingent upon Finance Committee approval.

P. I. NO: M005770
COUNTY: GLYNN





Brunswick-Glynn County

Joint Water and Sewer Commission

Commission Memo

To: Brunswick- Glynn Co. Joint Water & Sewer Commission; Jimmy Junkin (Executive Director)
From: Todd Kline, P.E. (Planning & Construction, Director of Engineering)
Date: July 19, 2018
Re: MOU with GDOT; Resurfacing SR 27 (Yellow Bluff Cr. to SR 25)

Quick Facts:

Project Type:	Grade adjustments to existing JWSC valves & manholes; GDOT R/W.
Schedule:	GDOT begin construction October 2018.
Cost:	\$77,000 (preliminary GDOT estimate; pricing same as prior GDOT project).
Funding Source:	Repair & Replacement fund.
Legal:	MOU has been reviewed and approved by JWSC legal.

Background

The Georgia Department of Transportation (GDOT) has scheduled 6.9 miles of resurfacing on US341 beginning at Yellow Bluff Creek and ending at the intersection of SR 25/US17 (**see attached map; Exhibit A**). In accordance with GDOT's Utility Accommodation Policy and Standards Manual, the JWSC has located and identified all existing JWSC facilities located within the pavement and presumed to be affected by the project. JWSC staff has completed and submitted a Manhole, Valve and Utility Assessment Form per G-DOT's request (**see attached Exhibit B**).

GDOT has provided an estimate for the above mentioned work in the amount of \$77,000.00. The actual cost may vary depending on the quantities adjusted during the project (**see attached Exhibit C**). GDOT will issue a Contract Item Agreement (CIA) to the JWSC if this MOU is executed. Payment would be due within 60 days of CIA execution.

Options for Action

1. Do nothing and accept risk to JWSC infrastructure.
2. Self-perform the work via JWSC or contracted labor.
3. Enter into agreement with GDOT to utilize their contract to facilitate asset adjustments.

Staff Recommended Action

To comply with permit requirements and ensure timely/correct adjustment of the JWSC assets staff recommends Option #3; entering into agreement with GDOT to incorporate the work into their project. JWSC staff will inspect all work to confirm final quantities and compliance to standards.

Recommended Motion

I move that the Brunswick-Glynn Joint Water & Sewer Commission authorize the Commission Chairman and Executive Director to facilitate the above described improvements through execution of the attached Memorandum of Understanding (**Exhibit D**) and the following Contract Item Agreement, as required.

MANHOLE, VALVE AND UTILITY ASSESSMENT FORM

County: Glynn State Route: 27

Project Description: Resurfacing SR27 from Yellow Bluff Creek to SR 25

Date: 06-07-2018

Utility Owner: Brunswick-Glynn Joint Water & Sewer Commission

Preparer: Harry Patel Office No. 912-261-7125 Cell No. 912-288-5636

Email: hpatel@bgjwsc.org

The Department recommends that corrective work or needs for future taps and services that require pavement cuts be done in advance of this project. A permit application through the Georgia Utility Permitting System (GUPS) will be required to cover any proposed work.

Disclaimer: This form is provided for information only. All attempts have been made to provide reliable information based on the milling and/or resurfacing limits.

DESCRIPTION	QUANTITY	COMMENTS/DEPENDENT ACTIVITIES
Manholes to be adjusted prior to milling (lowered)	47	
Manholes to be adjusted after resurfacing (raised)	47	
Manholes to remain under pavement after milling	0	
"Barton-Southern" style manhole	0	
Total Manholes	047	

DESCRIPTION	QUANTITY	COMMENTS/DEPENDENT ACTIVITIES
Valves to be adjusted prior to milling (lowered)	55	
Valves to be adjusted after resurfacing (raised)	55	
Valves to remain under pavement after resurfacing	0	
Total Valves	055	

DESCRIPTION	QUANTITY	COMMENTS/DEPENDENT ACTIVITIES
Estimated days to complete the work prior to milling		
Estimated days to complete the work after resurfacing		
Total Days	0	

Leak test performed: Yes ☐ No ☒ Date Performed: n/a

Repairs needed: Yes ☒ No ☐

If yes, describe repairs needed: GUPS-1177160 - Replacing of FH valve for GA ports authority.

Anticipated date to complete repairs: 06-30-2018

Proposed pavement cuts anticipated: Yes ☒ No ☐

Does any cathodic protection require payment cuts: Yes ☐ No ☒

Anticipated date to install cathodic protection: n/a

Are any proposed future taps and/or services anticipated that involve pavement cuts: Yes ☐ No ☒

If yes, the anticipated date of installation: n/a

Would you like for your facilities to be adjusted in the GDOT contract: Yes ☒ No ☐

If yes, a Contract Item Agreement will be required. The cost for adjustments will be at the utility owner's expense.

Summary Quantities for Brunswick-Glynn Joint Water and Sewer Commission

P.I. M005770 SR 27

ITEM NO.	UNITS	UNITS	DESCRIPTION	UNIT PRICE	TOTAL
611-8050	EA	47	ADJUST MANHOLE TO GRADE	\$1,000.00	\$47,000.00
611-8140	EA	55	ADJUST WATER VALVE BOX TO GRADE	\$550.00	\$30,000.00
				TOTAL	\$77,000.00

GDOT P.I.: M005770
County: Glynn

CONTRACT ITEM AGREEMENT MEMORANDUM OF UNDERSTANDING

between the
Georgia Department of Transportation (hereafter the DEPARTMENT)
and
the Brunswick-Glynn County Joint Water and Sewer Commission (hereinafter
called the OWNER)

Whereas the DEPARTMENT proposes to undertake a project to resurface SR 27 from Yellow Bluff Creek to SR 25 in Glynn County by contract through competitive bidding, and:

Whereas the OWNER has the following utility facilities which will be within the project limits: 47 Manholes and 55 Water Valve Boxes.

Whereas the OWNER does not have adequate equipment and staff to adjust its facilities or for other reasons considers it advantageous to have this work included in the roadway contract to be let by the DEPARTMENT; and, now therefore:

The following is hereby mutually agreed to and understood by both parties:

1. The preliminary engineering, including preparation of detailed plans and contract estimate for the required water and sewer items will be accomplished by the OWNER or OWNER'S Consultant, the cost of which will be the responsibility of the OWNER. The plans shall provide for adjustment, relocation, or new installation of the OWNER'S facilities in accordance with the OWNER'S customary practices, standards, and details subject to conformance with the DEPARTMENT'S standard pay items and procedures for including such items in the project contract. In cases of discrepancy, the governing descending order will be as follows: (1) Special Provisions, (2) Project Plans (prepared by OWNER'S Consultant) including Special Plan Details, (3) Supplemental Specifications, (4) Standard Plans including DEPARTMENT'S Standard Construction Details, (5) Standard Specifications. The OWNER'S standard details should be labeled as "Special Plan Details" and included immediately in sequence behind the OWNER'S plans to avoid confusion with the DEPARTMENT's Standard Plans and Standard Construction Details. The OWNER shall provide plans using the DEPARTMENT'S title block design and in Microstation file format, and, if requested, on Mylar sheets.
2. The plans and estimate shall be subject to approval by both the DEPARTMENT and OWNER prior to advertising for bids.

3. All work necessary for the adjustment or relocation of the described facilities in accordance with the final plans when approved shall be included in the highway contract and let to bid by the DEPARTMENT except as follows:

If necessary, the Owner will provide additional temporary and permanent easements, at its own expense, for any work outside of the acquisition limits shown on the project right of way plans, and shall certify possession in accordance with DEPARTMENT requirements prior to the Certification deadline for the project.

4. All construction engineering (layout, inspection) and contract supervision shall be the responsibility of the DEPARTMENT and the DEPARTMENT shall be responsible to assure that all utility work is accomplished in accordance with plans and specifications and to consult with the OWNER before authorizing any changes or deviations which might affect the OWNER'S facility. Engineering for plan revisions for the OWNER'S facilities shall be the responsibility of the OWNER and OWNER'S Consultant.
5. The OWNER and OWNER'S Consultant shall have the right to visit and inspect the work at any time and advise the DEPARTMENT'S Engineer of any observed discrepancies or potential problems. The cost of any OWNER or OWNER'S Consultant's visits or inspections will be the responsibility of the OWNER. The DEPARTMENT agrees to notify the OWNER when all utility work is complete and ready for final inspection and invite the OWNER to attend the final inspection or provide a corrections list to the DEPARTMENT prior to the final inspection.
6. After award of the highway contract, the OWNER will continue to maintain its facilities until adjustment or relocation begins on any segment of the facilities. Once adjustment or relocation begins on a segment of the facilities, the DEPARTMENT or its contractor will be responsible for the maintenance of the adjusted or relocated facilities until final acceptance is made for the work. Upon acceptance of the work and upon certification by the DEPARTMENT'S Engineer that the work has been completed in accordance with the plans and specifications, the OWNER will accept the adjusted or relocated facilities and will thereafter operate and maintain said facilities without further cost to the DEPARTMENT and its contractor.
7. The DEPARTMENT and OWNER agree that all matters will be governed by the DEPARTMENT'S Utility Accommodation Policy and Standards. It is contemplated by the DEPARTMENT and OWNER that a Contract Item Agreement will be executed by both parties that will supersede this memorandum. The cost for the water/sewer facilities shall be the responsibility of the OWNER and reimbursement to the DEPARTMENT shall be handled thru a Contract Item Agreement.

APPROVED FOR THE OWNER BY:

Donald E. Elia

(Signature)

Chairman, JWSC

(Title)

7/9/2018

(Date)

APPROVED FOR THE DEPARTMENT BY:

Robert J. Smith

(Signature)

State Utilities Engineer

(Title)

8/3/18

(Date)

Contract Item Agreement to be required? Yes
Preliminary Engineering Agreement to be required? No

Account No. – Class: 733005-309

Department ID: 4848010000

Program No.: 4181401

STANDARD UTILITY AGREEMENT
CONTRACT ITEM AGREEMENT

Georgia Project No.: N/A, Glynn County
G.D.O.T. P.I. No.: M005770

THIS AGREEMENT, made this April 29, 2019, by and between the Department of Transportation, an agency of the State of Georgia, hereinafter called the DEPARTMENT, first party, and Brunswick-Glynn Joint Water & Sewer Commission, a political subdivision of the State of Georgia, hereinafter called the LOCAL AGENCY, second party;

WITNESS that:

WHEREAS, the DEPARTMENT proposes under the above numbered project to resurface SR 27 from Yellow Bluff Creek To SR 25 in Glynn County, Georgia; and

WHEREAS, due to the construction of this project, it will become necessary to make certain adjustments or additional installation of utility facilities of the LOCAL AGENCY, the cost of which shall be determined in accordance with Articles 8, 9, & 10 below; and

WHEREAS, the LOCAL AGENCY has requested that the DEPARTMENT include the adjustment or installation of water and sewer facilities in its highway construction contract as shown on the attached plans; and

WHEREAS, this Agreement being for the sole purpose of providing a contractor for work performed on the LOCAL AGENCY'S water and sewer facilities, the LOCAL AGENCY shall bear the cost of said work to be determined as hereinafter set forth;

WHEREAS, the preliminary engineering, including preparation of detailed plans and contract estimate for adjustment of the utilities described above have been accomplished by the LOCAL AGENCY;

WHEREAS, the plans for the utility work have been approved by both the DEPARTMENT and the LOCAL AGENCY prior to commencing work;

NOW THEREFORE, in consideration of the premises and the mutual covenants of the parties hereinafter set forth, it is agreed:

1. All construction engineering and contract supervision shall be the responsibility of the DEPARTMENT and the DEPARTMENT shall be responsible to assure that all utility work is accomplished in accordance with plans and specifications and to consult with the LOCAL AGENCY or LOCAL AGENCY'S Consultant before authorizing any changes or deviations which affect the LOCAL AGENCY'S facility.

STANDARD UTILITY AGREEMENT
CONTRACT ITEM AGREEMENT

2. The LOCAL AGENCY or the LOCAL AGENCY'S Consultant shall have the right to visit and inspect the work at any time and advise the DEPARTMENT'S Engineer of any observed discrepancies or potential problems. The DEPARTMENT agrees to notify the LOCAL AGENCY when all utility work is completed and ready for final inspection by the LOCAL AGENCY.

3. It is specifically understood that the project number shown above is for the DEPARTMENT'S identification purposes only and may be subject to change by the DEPARTMENT. In the event it becomes necessary for the DEPARTMENT to assign a different project number, the DEPARTMENT shall notify the LOCAL AGENCY of the new project designation. Such change in project designation shall have no effect whatsoever on any of the other terms of this Agreement.

4. The DEPARTMENT shall include in its contract for this project all work necessary to accomplish the adjustment of the LOCAL AGENCY'S facilities as shown on the highway plans along with the necessary specifications to assure that the work conforms to sound construction practices.

5. In the event it becomes necessary to add pay items that are not provided for in the contract, the DEPARTMENT shall negotiate prices with the contractor and enter into a supplemental agreement with the contractor for completion of the additional items. Upon notification, the LOCAL AGENCY shall furnish a check for the additional cost as determined in Article 8 below.

6. The DEPARTMENT shall furnish on the project the construction engineering inspection and testing by its own forces required to assure that the work is done in accordance with the plans, specifications and Special Provisions.

7. Upon completion of the work and upon certification by the DEPARTMENT'S engineers that the work has been completed in accordance with the aforesaid plans and specifications, the LOCAL AGENCY shall accept the adjusted and additional facilities and shall thereafter operate and maintain the adjusted and additional facilities without further cost to the DEPARTMENT or its contractor. Such maintenance and all operations and activities shall be subject to the DEPARTMENT'S rules, policies and procedures as contained in its Utility Accommodation Policy and Standards, current edition.

8. The DEPARTMENT shall include in its highway contract those items shown as "materials" for permanent installation on the aforesaid plans. The price bid for the appropriate items shall include all labor, materials and incidentals necessary to complete the work. The cost of the requested work shall be determined from unit quantities and unit prices as shown in the DEPARTMENT'S tabulation of bids. The approximate non-binding pre-let estimate, not including betterment, is **\$77,250.00** based on the LOCAL AGENCY'S estimate attached hereto of which the Department shall bear **\$0.00 or 0% and the LOCAL AGENCY shall bear \$77,250.00 or 100%.**

STANDARD UTILITY AGREEMENT
CONTRACT ITEM AGREEMENT

9. It is mutually agreed that as soon as practicable after the opening of bids and acceptance of a bid by the DEPARTMENT, the DEPARTMENT shall notify the LOCAL AGENCY in writing of the amount due the DEPARTMENT. The LOCAL AGENCY shall pay to the DEPARTMENT the amount due within sixty (60) days.

10. It is further mutually agreed that the final cost of the work performed on behalf of the LOCAL AGENCY shall be determined by measurement of the actual quantities of installed materials, including added items under Article 5, multiplied by the actual bid prices. Accordingly, after the project has been completed, the DEPARTMENT shall determine the final cost to be borne by the LOCAL AGENCY and, as the case may be, shall refund to the LOCAL AGENCY or shall request of the LOCAL AGENCY an additional payment in the amount of the difference between the final cost to be borne by the LOCAL AGENCY and the amount which the LOCAL AGENCY has previously paid to the DEPARTMENT. In the event additional payment is due to the DEPARTMENT, the LOCAL AGENCY agrees to pay same within sixty (60) days after the statement is received from the DEPARTMENT. In the event a refund is due the LOCAL AGENCY, the DEPARTMENT agrees to pay the LOCAL AGENCY within sixty (60) after the refund amount is determined or final acceptance is made by the DEPARTMENT.

11. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

12. Pursuant to O.C.G.A. Sec. 50-5-85, LOCAL AGENCY hereby certifies that it is not currently engaged in, and agrees that for the duration of this contract, it will not engage in a boycott of Israel.

13. It is mutually agreed between the parties hereto that this document shall be deemed to have been executed in the Fulton County, Georgia, and that all questions of interpretation and construction shall be governed by the laws of the State of Georgia.

STANDARD UTILITY AGREEMENT
CONTRACT ITEM AGREEMENT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in three counterparts, each to be considered as original by their authorized representative the day and date hereinabove written.

WITNESS AS TO SECOND PARTY:

BY: *Pippa Diner*
WITNESS

BY: *Christa Free*
NOTARY PUBLIC (SEAL)

BRUNSWICK-GLYNN JOINT
WATER AND SEWER COMMISSION

BY: *Donald McElroy*
CHAIRMAN

SWORN TO AND SUBSCRIBED
BEFORE ME THIS 23 DAY
OF October, 20 18.

Christa Free
Notary Public
My commission expires:

CHRISTA J. FREE
NOTARY PUBLIC
GLYNN COUNTY
STATE OF GEORGIA
My Commission Expires May 29, 2021

Signed on behalf of Brunswick-Glynn Joint Water & Sewer Commission pursuant to resolution
dated October 23, 2018.

FEIN 74-3229050

BY: *Janice B. Meredith*
CLERK
(OFFICIAL SEAL)

RECOMMENDED:

BY: *Peter [Signature]*
STATE UTILITIES ADMINISTRATOR

ACCEPTED:

DEPARTMENT OF TRANSPORTATION

BY: *Will R. McRae*
COMMISSIONER

PROJECT NO.: N/A
COUNTY: Glynn
G.D.O.T. P.I. NO.: M005770
DATE: October 17, 2018, TYH

Signed, sealed and delivered this 29th
day of April, 20 19,

(OFFICIAL SEAL OF THE DEPARTMENT)

I attest that the seal imprinted herein is the Official Seal of the DEPARTMENT.

BY: *Angela Whitburn*
TREASURER
OFFICIAL CUSTODIAN OF THE SEAL



STANDARD UTILITY AGREEMENT
CONTRACT ITEM AGREEMENT

RESOLUTION

STATE OF GEORGIA

BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION

BE IT RESOLVED by the Chairman and Board of Commissioners of BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION, and it is hereby resolved, that the foregoing attached Agreement, relative to project N/A, GLYNN, P.I. No. M005770 to resurface SR 27 from Yellow Bluff Creek to SR 25 in Glynn County and that Mr. DON ELLIOT as Chairman of the Board and Janice B. Meridith, as Clerk, be and they are, thereby authorized and directed to execute the same for and in behalf of said by the CHAIRMAN and BOARD OF COMMISSIONERS of BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION.

Passed and adopted, this the 23rd day of October, 2018.

ATTEST:

Janice B. Meridith
COMMISSION CLERK

BY: Donald E. Elliot
CHAIRMAN

STATE OF GEORGIA,

BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION

I Janice B. Meridith, as Clerk, do hereby certify that I am custodian of the books and records of the same, and that the above and foregoing copy of the original is now on file in my office, and was passed by the Chairman and Board of Commissioners of BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION. WITNESS my hand and official signature, this the 23rd day of October,

2018.

BY: Janice B. Meridith
CLERK



GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT

Contractor's Name:	BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION
Solicitation/Contract No. / Call No. or Project Description:	N/A, M005770, GLYNN COUNTY RESURFACE SR 27 FROM YELLOW BLUFF CREEK TO SR 25

CONTRACTOR AFFIDAVIT

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, entity or corporation which is engaged in the physical performance of services on behalf of the Georgia Department of Transportation has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

135433
Federal Work Authorization User Identification Number
(EEV/E-Verify Company Identification Number)
Brunswick - Glynn Joint
Water + Sewer Commission
Name of Contractor

July 10, 2008
Date of Authorization

I hereby declare under penalty of perjury that the foregoing is true and correct

Jimmy Junkin
Printed Name (of Authorized Officer or Agent of Contractor)

Jimmy Junkin
Signature (of Authorized Officer or Agent)

Executive Director
Title (of Authorized Officer or Agent of Contractor)

October 23, 2018
Date Signed

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE

23 DAY OF October, 2018

Janice B. Meidath
Notary Public
My Commission
Expires Sept. 5, 2020

[NOTARY SEAL]



My Commission Expires: _____

Tabulation of Bids

Page: 139

Contract ID: B1CBA1900886-0

Counties: Glynn

Letting Date: March 22, 2019

District(s): District 5 - Jesup, Area Office 3 - Brunswick

Call Order: 016

Project(s): M005770

Contract Time:

Contract Description: 6.893 MILES OF MILLING, INLAY, PLANT MIX RESURFACING AND SHOULDER REHABILITATION ON SR 27 BEGINNING SOUTH OF YELLOW BLUFF CREEK BRIDGE AND EXTENDING TO US 17/SR 25.
(E)

Line No / Item ID Item Description			(1) PLANT IMPROVEMENT CO., INC.		(2) EAST COAST ASPHALT, LLC			
Alt Set / Alt Member	Quantity and Units		Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION:	0001	ROADWAY	Cat Alt Set:		Cat Alt Member:		LCC:	
0060	441-6022	40.000	32.49000	1,299.60	50.00000	2,000.00		
CONC CURB & GUTTER, 6 IN X 30 IN, TP 2		LF						
0065	441-7014	56.000	1,218.27000	68,223.12	1,900.00000	106,400.00		
CURB CUT WHEELCHAIR RAMP, TYPE D		EA						
0070	453-1000	50.000	1,098.59000	54,929.50	625.00000	31,250.00		
PORTLAND CEMENT CONCRETE WHITETOPPING		CY						
0075	611-8050	47.000	1,218.27000	57,258.69	50.00000	2,350.00		
ADJUST MANHOLE TO GRADE		EA						
0080	611-8140	55.000	812.18000	44,669.90	50.00000	2,750.00		
ADJUST WATER VALVE BOX TO GRADE		EA						

P.I. M005770 Glynn County - Brunswick-Glynn County Joint Water and Sewer Commission - Water & Sewer

[illegible]



Brunswick-Glynn County Joint Water and Sewer Commission

Memo

To: JWSC Facilities Committee
From: Andrew Burroughs, Interim Executive Director
Date: June 19, 2019
Re: **APPROVAL** – Mainland Smoke Testing Project Budget Approval

Background

Smoke testing is a simple and fast method of testing the sewer system. The testing is also a cost effective way to find areas of the sewer system that need improvement. Smoke testing can help locate improper connections to the systems and areas where unwanted water is entering the system.

Dye testing involves adding a non-toxic dye to stormwater drains located on private property. The dye mixes with fluid carried by the drains, giving it a visible color that can easily be traced. The flow of the fluid through the sewer system is then monitored by inspecting sanitary manholes located downstream of the testing start point.

Staff Report

Currently, JWSC is in the final stages of a Smoke and Dye Testing project for the SSI district. Initial findings have identified many potential points of inflow and infiltration within that service district. A final report is due in the next (30) days and will provide valuable information for more efficient management of assets. Corrective actions plans will be developed to communicate and address those repair needs.

At this time, staff would like to conduct the same type of Smoke and Dye Testing project for the Brunswick and North Mainland service districts. This project would cover a larger area than the SSI test and would include approximately 556,887 linear feet of sanitary sewer gravity pipeline. These basins were selected by looking at wet weather run time data compared to dry weather to determine stations with likely infiltration and inflow issues.

Staff has identified the following priority basins for the proposed project:

- Smoke testing in the following meter basins: 4001, 4002, 4003, 4006, 4007, 4009, 4012, 4013, 4015, 4017, 4021, 4023, 4024, 4027, 4028, 4029, 4035, 4036, 4038, 4039, 4043, 4043, 4044, 4048, 4056
- Dye Water testing estimated of (35) dye traces and (35) dye floods.

A probable cost estimate and map for each service district are included for your reference.

MAINLAND SMOKE & DYE TESTING - PROBABLE COST ESTIMATE

Item No.	Item Description	Est. Qty.	Unit	Unit Price	Total Price
1	Mobilization, Traffic, & PR Notifications	1	LS	\$ 25,000.00	\$ 25,000
2	Smoke Testing	556,887	LF	\$ 0.35	\$ 194,911
3	Dye Water Tracing	35	Each	\$ 550.00	\$ 19,250
4	Dye Water Flooding	35	Each	\$ 900.00	\$ 31,500
5	Report	1	LS	\$ 25,000.00	\$ 25,000
6	Contingency			10%	\$ 29,567

Total Project Estimate \$ 325,228

Recommended Action

Staff recommends that a project be approved to perform Smoke and Dye Testing in the Brunswick and North Mainland service districts. The estimated budget for this project will be \$325,000.00. Staff recommends that this funding come from the R&R Reserve.

Recommended Motion

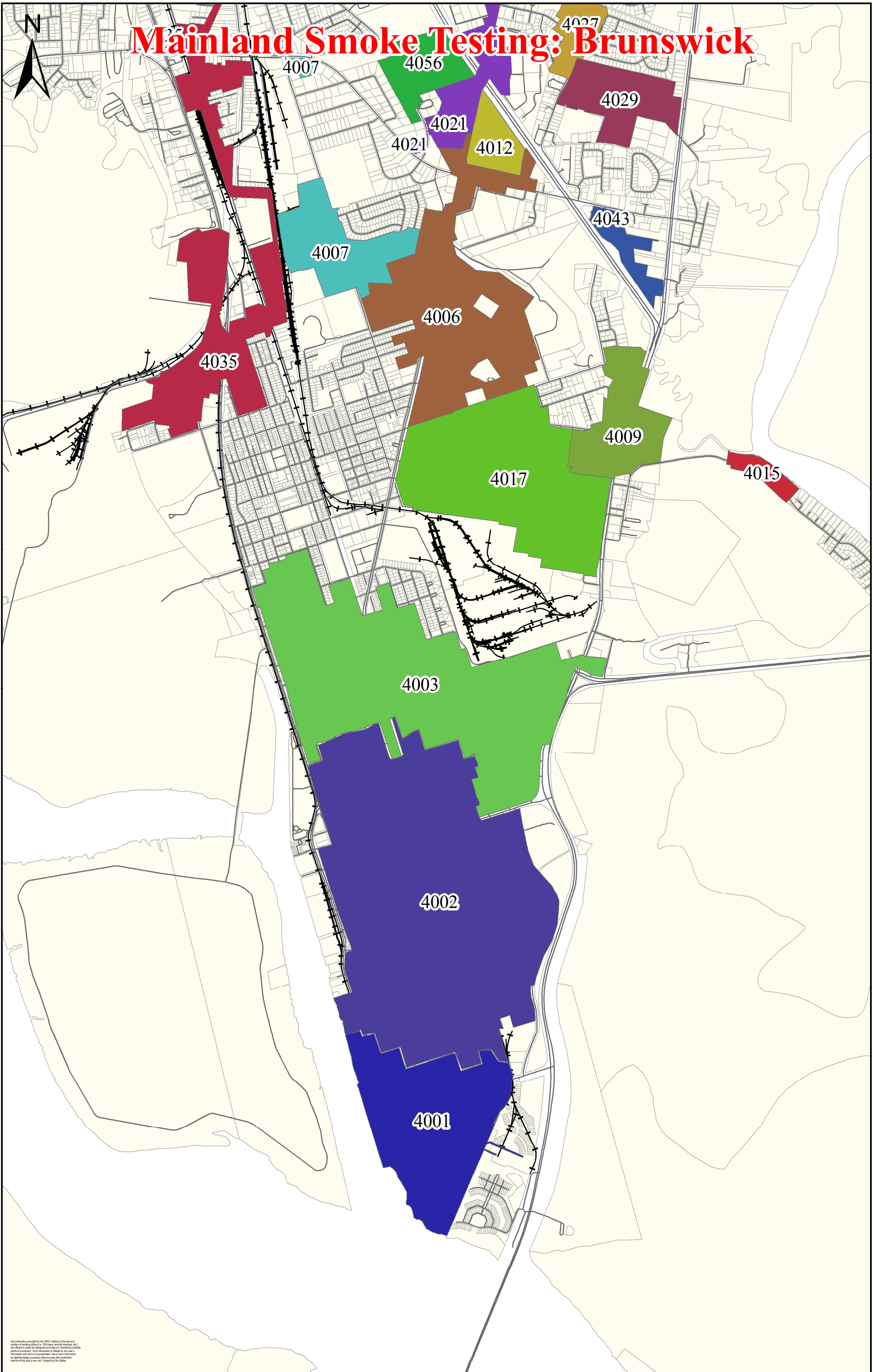
"I make a motion that the Facilities Committee approve project funding in the amount of \$325,000.00 for the Mainland Smoke Testing project and that this project funding approval be forwarded to the full Commission for approval contingent upon Finance Committee approval."

Enclosures:

Proposed Map for Smoke & Dye Testing Project – Brunswick District

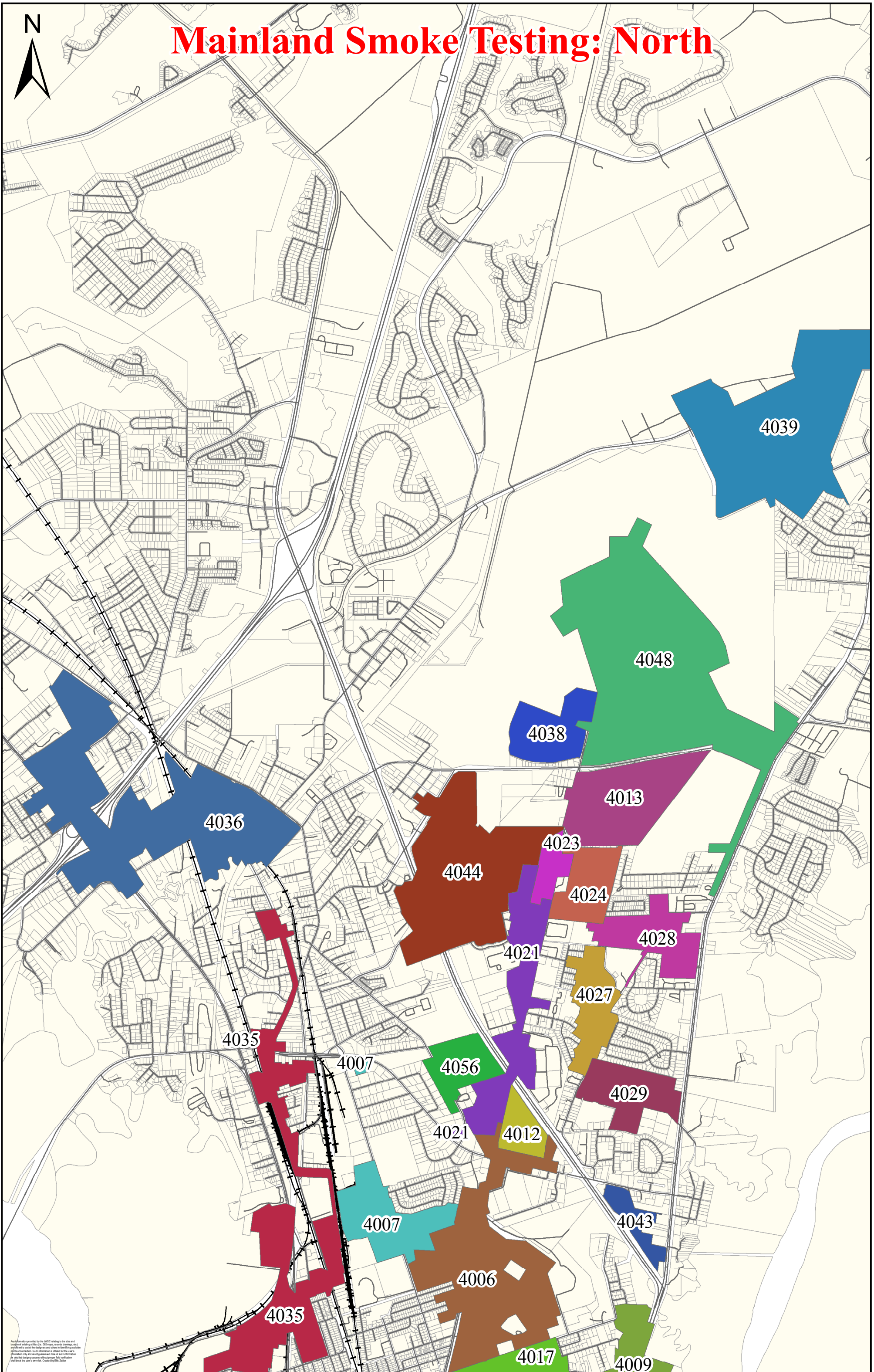
Proposed Map for Smoke & Dye Testing Project – North Mainland District

Mainland Smoke Testing: Brunswick



Any information provided by the JAGS is subject to the size and location of existing infrastructure. JAGS is not responsible for any errors or omissions in this information. Use of this information for detailed design purposes without proper field verification shall be at the user's own risk. Created by CH2M Hill.

Mainland Smoke Testing: North



Any information provided by the JNSC relating to the size and location of smoke testing areas is for information only and is not guaranteed. Use of such information for detailed design purposes without proper field verification shall be at the user's own risk. Created by CHS 201601



Brunswick-Glynn County Joint Water and Sewer Commission

Memo

To: JWSC Facilities Committee
From: Andrew Burroughs, Interim Executive Director
Date: June 19, 2019
Re: **APPROVAL** – Contract Award – ITB No. 19-017
2016 SPLOST North Mainland Phase II and III Improvements – Division 1 CIPP Sewer

Background

As part of the design for the 2016 SPLOST-funded North Mainland Phase II and III Sewer Improvement project, CCTV inspection of sewer pipeline and manhole structures within the affected basins was conducted. The design engineering firm for this project, Thomas and Hutton Engineering, Inc., and the JWSC staff reviewed the footage of CCTV inspection provided and worked to develop specifications to include the repair of gravity sewer mains located from B and W Grade Road to the Academy Creek Water Pollution Control Facility. The proposed construction included the following:

- Repair by Cured-In-Place (CIPP) of:
 - Approximately 7,800 linear feet of 30-inch diameter RCP pipe
 - Approximately 425 linear feet of 42-inch diameter RCP pipe
- Repair of approximately 70 manholes

Staff Report

The JWSC issued an Invitation to Bid on Monday, May 13, 2019 for the repair of gravity sewer mains located from B and W Grade Road to the Academy Creek Treatment Plant. A non-mandatory, pre-bid meeting was held on Tuesday, June 4th with attendance from (13) individuals representing (8) different firms as potential prime contractors, sub-contractors or suppliers for the proposed project.

Bids were received on Tuesday, June 18th from the following firms for consideration:

Bid Provided By	Bid Price
IPR Southeast, LLC	\$ 2,550,519.00
Lanzo Trenchless Technologies South	\$ 3,319,254.00
Bio-Nomic Services Inc.	\$ 3,346,572.82
SAK Construction LLC	\$ 3,897,372.00
Gulf Coast Underground	\$ 6,674,759.37

Recommended Action

Staff has reviewed the bid submissions and recommends award of the contract to the apparent low bidder IPR Southeast, LLC, in the amount of \$2,550,519.00.

Recommended Motion

"I make a motion that the JWSC approve the award of a contract to IPR Southeast, LLC in the amount of \$2,550,519.00 for CIPP sewer main gravity and manhole repairs as part of the 2016 SPLOST North Mainland Project and forward to the full Commission for approval."

Enclosure:

Combined Bid Tab – IFB No. 19-017



IFB NO. 19-017
NORTH MAINLAND PHASE II AND III IMPROVEMENTS - DIVISION I CIPP
BID TABULATION
JUNE 18, 2019

SANITARY SEWER REHABILITATION			
Item	Description	Quantities	Units
1	Cleaning and TV Inspection	5,680	LF
2	Re-Establish Service Connection	6	EA
3	Bypass Pumping	1	LS
4	Traffic Control	1	LS
5	Traffic Control Along Old Jesup Road (From Manhole #40350390 to Manhole #40350280)	1	LS
6	Trim Intruding Rebar Within Gravity Sewer Pipe	20	EA
7	Trim Intruding Sealing Rings Within Gravity Sewer Pipe	20	EA
8	Cured-In-Place (CIPP) - 30" RCP Sanitary Sewer Main	7,594	LF
9	Cured-In-Place (CIPP) - 42" RCP Sanitary Sewer Main	414	LF
10	Standard Point Repair, 30" RCP Sanitary Sewer with 30" PVC (AWWA C900, DR18)	8	EA
11	Standard Point Repair, 36" VCP Sanitary Sewer with 36" PVC (AWWA C900, DR18)	2	EA
12	Standard Point Repair, 42" RCP Sanitary Sewer with 42" PVC (AWWA C900, DR18)	2	EA
13	16" Dia PVC Force Main (AWWA C900, DR18)	115	LF
14	Force Main Fittings	606	LBS
15	Asphalt Pavement Replacement	100	SY
16	Concrete Sidewalk Replacement	200	SY
Sub-Total: SANITARY SEWER REHABILITATION			

SANITARY SEWER MANHOLE REHABILITATION			
Item	Description	Quantities	Units
17	Remove and Replace Existing MH #40350440	1	LS
18	Proposed 8' I.D. Saddle MH #40350431	1	LS
19	Rehabilitate MH #40350430 - Clean and Coat Existing Manhole	1	LS
20	Rehabilitate MH #40350420 - Clean and Coat Existing Manhole	1	LS
21	Rehabilitate MH #40350410 - Clean and Coat Existing Manhole	1	LS
22	Rehabilitate MH #40350400 - Clean and Coat Existing Manhole	1	LS
23	Rehabilitate MH #40350390 - Clean and Coat Existing Manhole	1	LS
24	Rehabilitate MH #40350380 - Clean and Coat Existing Manhole	1	LS
25	Rehabilitate MH #40350370 - Clean and Coat Existing Manhole	1	LS
26	Rehabilitate MH #40350360 - Clean and Coat Existing Manhole	1	LS
27	Rehabilitate MH #40350350 - Clean and Coat Existing Manhole	1	LS
28	Rehabilitate MH #40350340 - Clean and Coat Existing Manhole	1	LS
29	Rehabilitate MH #40350330 - Clean and Coat Existing Manhole	1	LS
30	Rehabilitate MH #40350320 - Clean and Coat Existing Manhole	1	LS
31	Rehabilitate MH #40350310 - Clean and Coat Existing Manhole	1	LS
32	Rehabilitate MH #40350300 - Clean and Coat Existing Manhole	1	LS
33	Rehabilitate MH #40350290 - Clean and Coat Existing Manhole	1	LS
34	Rehabilitate MH #40350280 - Clean and Coat Existing Manhole	1	LS
35	Rehabilitate MH #40350270 - Clean and Coat Existing Manhole	1	LS
36	Rehabilitate MH #40350260 - Clean and Coat Existing Manhole	1	LS
37	Rehabilitate MH #40350250 - Clean and Coat Existing Manhole	1	LS
38	Rehabilitate MH #40350240 - Clean and Coat Existing Manhole	1	LS
39	Rehabilitate MH #40350230 - Clean and Coat Existing Manhole	1	LS
40	Rehabilitate MH #40350220 - Clean and Coat Existing Manhole	1	LS
41	Rehabilitate MH #40350210 - Clean and Coat Existing Manhole	1	LS
42	Rehabilitate MH #40350200 - Clean and Coat Existing Manhole	1	LS
43	Rehabilitate MH #40350190 - Clean and Coat Existing Manhole	1	LS
44	Rehabilitate MH #40350180 - Clean and Coat Existing Manhole	1	LS
45	Rehabilitate MH #40350170 - Clean and Coat Existing Manhole	1	LS
46	Rehabilitate MH #40350160 - Clean and Coat Existing Manhole	1	LS
47	Rehabilitate MH #40350150 - Clean and Coat Existing Manhole	1	LS
48	Rehabilitate MH #40350140 - Clean and Coat Existing Manhole. Re-Build Benches.	1	LS
49	Rehabilitate MH #40350130 - Clean and Coat Existing Manhole	1	LS
50	Rehabilitate MH #40350120 - Clean and Coat Existing Manhole	1	LS

IPR Southeast, LLC		Lanzo Trenchless Technologies Inc	
Unit Price	Total	Unit Price	Total
\$12.00	\$68,160.00	\$18.00	\$102,240.00
\$300.00	\$1,800.00	\$118.00	\$708.00
\$426,000.00	\$426,000.00	\$502,628.00	\$502,628.00
\$1,240.00	\$1,240.00	\$7,115.00	\$7,115.00
\$30,000.00	\$30,000.00	\$12,766.00	\$12,766.00
\$500.00	\$10,000.00	\$564.00	\$11,280.00
\$500.00	\$10,000.00	\$564.00	\$11,280.00
\$121.00	\$918,874.00	\$130.00	\$987,220.00
\$268.00	\$110,952.00	\$272.00	\$112,608.00
\$16,900.00	\$135,200.00	\$16,924.00	\$135,392.00
\$18,100.00	\$36,200.00	\$18,052.00	\$36,104.00
\$20,300.00	\$40,600.00	\$20,308.00	\$40,616.00
\$142.00	\$51,404.00	\$141.00	\$51,042.00
\$56.50	\$34,239.00	\$56.00	\$33,936.00
\$93.00	\$9,300.00	\$90.00	\$9,000.00
\$60.00	\$12,000.00	\$59.00	\$11,800.00
\$1,895,969.00		\$2,065,735.00	

IPR Southeast, LLC		Lanzo Trenchless Technologies Inc	
Unit Price	Total	Unit Price	Total
LUMP SUM	\$29,000.00	LUMP SUM	\$28,206.00
LUMP SUM	\$0.00	LUMP SUM	\$28,206.00
LUMP SUM	\$2,100.00	LUMP SUM	\$7,249.00
LUMP SUM	\$2,100.00	LUMP SUM	\$7,249.00
LUMP SUM	\$3,200.00	LUMP SUM	\$9,618.00
LUMP SUM	\$3,600.00	LUMP SUM	\$10,969.00
LUMP SUM	\$3,800.00	LUMP SUM	\$16,838.00
LUMP SUM	\$3,500.00	LUMP SUM	\$10,453.00
LUMP SUM	\$2,800.00	LUMP SUM	\$8,938.00
LUMP SUM	\$2,400.00	LUMP SUM	\$8,173.00
LUMP SUM	\$2,500.00	LUMP SUM	\$9,301.00
LUMP SUM	\$3,200.00	LUMP SUM	\$9,615.00
LUMP SUM	\$3,300.00	LUMP SUM	\$10,630.00
LUMP SUM	\$3,400.00	LUMP SUM	\$10,634.00
LUMP SUM	\$3,200.00	LUMP SUM	\$9,618.00
LUMP SUM	\$3,200.00	LUMP SUM	\$9,166.00
LUMP SUM	\$3,300.00	LUMP SUM	\$10,763.00
LUMP SUM	\$4,200.00	LUMP SUM	\$14,241.00
LUMP SUM	\$4,300.00	LUMP SUM	\$6,117.00
LUMP SUM	\$4,900.00	LUMP SUM	\$15,681.00
LUMP SUM	\$4,900.00	LUMP SUM	\$16,384.00
LUMP SUM	\$4,800.00	LUMP SUM	\$5,102.00
LUMP SUM	\$5,200.00	LUMP SUM	\$5,557.00
LUMP SUM	\$4,900.00	LUMP SUM	\$5,215.00
LUMP SUM	\$5,000.00	LUMP SUM	\$7,094.00
LUMP SUM	\$5,000.00	LUMP SUM	\$7,383.00
LUMP SUM	\$4,700.00	LUMP SUM	\$7,383.00
LUMP SUM	\$4,200.00	LUMP SUM	\$12,890.00
LUMP SUM	\$4,500.00	LUMP SUM	\$12,890.00
LUMP SUM	\$4,300.00	LUMP SUM	\$16,642.00
LUMP SUM	\$4,800.00	LUMP SUM	\$16,642.00
LUMP SUM	\$4,600.00	LUMP SUM	\$8,374.00
LUMP SUM	\$4,700.00	LUMP SUM	\$20,559.00
LUMP SUM	\$4,500.00	LUMP SUM	\$20,590.00

Bio-Nomic Services, Inc.	
Unit Price	Total
\$16.00	\$90,880.00
\$250.00	\$1,500.00
\$350,422.22	\$350,422.22
\$5,000.00	\$5,000.00
\$5,000.00	\$10,000.00
\$500.00	\$10,000.00
\$500.00	\$10,000.00
\$153.50	\$1,165,679.00
\$251.40	\$104,079.60
\$38,500.00	\$308,000.00
\$38,500.00	\$77,000.00
\$38,500.00	\$77,000.00
\$110.00	\$39,820.00
\$13.50	\$8,181.00
\$66.00	\$6,600.00
\$49.50	\$9,900.00
\$2,274,061.82	

Bio-Nomic Services, Inc.	
Unit Price	Total
LUMP SUM	\$16,500.00
LUMP SUM	\$19,250.00
LUMP SUM	\$6,425.00
LUMP SUM	\$6,425.00
LUMP SUM	\$8,525.00
LUMP SUM	\$9,722.00
LUMP SUM	\$14,924.00
LUMP SUM	\$9,265.00
LUMP SUM	\$7,922.00
LUMP SUM	\$7,244.00
LUMP SUM	\$8,244.00
LUMP SUM	\$8,522.00
LUMP SUM	\$9,422.00
LUMP SUM	\$9,425.00
LUMP SUM	\$8,525.00
LUMP SUM	\$8,124.00
LUMP SUM	\$9,540.00
LUMP SUM	\$12,622.00
LUMP SUM	\$5,422.00
LUMP SUM	\$13,899.00
LUMP SUM	\$14,522.00
LUMP SUM	\$4,522.00
LUMP SUM	\$4,925.00
LUMP SUM	\$4,622.00
LUMP SUM	\$6,288.00
LUMP SUM	\$6,544.00
LUMP SUM	\$6,544.00
LUMP SUM	\$11,425.00
LUMP SUM	\$11,425.00
LUMP SUM	\$14,750.00
LUMP SUM	\$14,750.00
LUMP SUM	\$7,422.00
LUMP SUM	\$18,222.00
LUMP SUM	\$18,250.00

SAK Construction, LLC	
Unit Price	Total
\$13.00	\$73,840.00
\$1,000.00	\$6,000.00
\$598,000.00	\$598,000.00
\$10,000.00	\$10,000.00
\$15,000.00	\$15,000.00
\$650.00	\$13,000.00
\$425.00	\$8,500.00
\$250.00	\$1,898,500.00
\$520.00	\$215,280.00
\$15,800.00	\$126,400.00
\$16,850.00	\$33,700.00
\$18,950.00	\$37,900.00
\$132.00	\$47,784.00
\$53.00	\$32,118.00
\$85.00	\$8,500.00
\$53.00	\$10,600.00
\$3,135,122.00	

SAK Construction, LLC	
Unit Price	Total
LUMP SUM	\$27,000.00
LUMP SUM	\$26,350.00
LUMP SUM	\$1,350.00
LUMP SUM	\$1,350.00
LUMP SUM	\$2,000.00
LUMP SUM	\$2,300.00
LUMP SUM	\$2,400.00
LUMP SUM	\$2,200.00
LUMP SUM	\$1,800.00
LUMP SUM	\$1,550.00
LUMP SUM	\$1,600.00
LUMP SUM	\$2,050.00
LUMP SUM	\$2,050.00
LUMP SUM	\$2,150.00
LUMP SUM	\$2,000.00
LUMP SUM	\$1,800.00
LUMP SUM	\$2,100.00
LUMP SUM	\$2,650.00
LUMP SUM	\$2,750.00
LUMP SUM	\$3,000.00
LUMP SUM	\$3,050.00
LUMP SUM	\$2,950.00
LUMP SUM	\$3,250.00
LUMP SUM	\$3,050.00
LUMP SUM	\$3,150.00
LUMP SUM	\$3,350.00
LUMP SUM	\$3,250.00
LUMP SUM	\$2,700.00
LUMP SUM	\$3,250.00
LUMP SUM	\$3,500.00
LUMP SUM	\$3,600.00
LUMP SUM	\$3,650.00
LUMP SUM	\$3,600.00
LUMP SUM	\$4,200.00

Gulf Coast Underground, LLC	
Unit Price	Total
\$20.00	\$113,600.00
\$500.00	\$3,000.00
\$2,742,789.65	\$2,742,789.65
\$92,857.15	\$92,857.15
\$150,000.00	\$150,000.00
\$625.00	\$12,500.00
\$625.00	\$12,500.00
\$213.38	\$1,620,407.72
\$367.00	\$151,938.00
\$33,982.15	\$271,857.20
\$36,922.85	\$73,845.70
\$40,716.33	\$81,432.66
\$204.62	\$74,072.44
\$19.89	\$12,053.34
\$273.22	\$27,322.00
\$107.15	\$21,430.00
\$5,461,605.86	

Gulf Coast Underground, LLC	
Unit Price	Total
LUMP SUM	\$31,719.06
LUMP SUM	\$38,009.25
LUMP SUM	\$8,031.25
LUMP SUM	\$8,031.25
LUMP SUM	\$10,656.25
LUMP SUM	\$12,152.50
LUMP SUM	\$18,655.00
LUMP SUM	\$11,581.25
LUMP SUM	\$9,902.50
LUMP SUM	\$9,055.00
LUMP SUM	\$10,305.00
LUMP SUM	\$10,652.50
LUMP SUM	\$11,777.50
LUMP SUM	\$11,781.25
LUMP SUM	\$10,656.25
LUMP SUM	\$10,155.00
LUMP SUM	\$11,925.00
LUMP SUM	\$15,777.50
LUMP SUM	\$6,777.50
LUMP SUM	\$17,373.75
LUMP SUM	\$18,152.50
LUMP SUM	\$5,652.50
LUMP SUM	\$6,156.25
LUMP SUM	\$5,777.50
LUMP SUM	\$7,860.00
LUMP SUM	\$8,180.00
LUMP SUM	\$8,180.00
LUMP SUM	\$14,281.25
LUMP SUM	\$14,281.25
LUMP SUM	\$18,437.50
LUMP SUM	\$18,437.50
LUMP SUM	\$9,277.50
LUMP SUM	\$22,777.50
LUMP SUM	\$22,812.50

Item	Description	Quantities	Units
51	Rehabilitate MH #40350110 - Clean and Coat Existing Manhole	1	LS
52	Rehabilitate MH #40350100 - Clean and Coat Existing Manhole	1	LS
53	Rehabilitate MH #40350090 - Clean and Coat Existing Manhole	1	LS
54	Rehabilitate MH #40350080 - Clean and Coat Existing Manhole	1	LS
55	Clean MH #40350070	1	LS
56	Rehabilitate MH #40350062 - Clean and Coat Existing Manhole	1	LS
57	Rehabilitate MH #40350061 - Clean and Coat Existing Manhole	1	LS
58	Remove and Replace MH #40350060 with 6-ft I.D. Manhole	1	LS
59	Remove and Replace MH #40350050 with 6-ft I.D. Manhole	1	LS
60	Rehabilitate MH #40350040 - Clean and Coat Existing Manhole	1	LS
61	Rehabilitate MH #40350030 - Clean and Coat Existing Manhole. Re-Build Benches.	1	LS
62	Rehabilitate MH #40350020 - Clean and Coat Existing Manhole	1	LS
63	Remove and Replace MH #40350010 with 6-ft I.D. Manhole	1	LS
64	Rehabilitate MH #4WTP0300 - Clean and Coat Existing Manhole	1	LS
65	Rehabilitate MH #4WTP0290 - Clean and Coat Existing Manhole	1	LS
66	Rehabilitate MH #4WTP0280 - Clean and Coat Existing Manhole	1	LS
67	Clean MH #4WTP0270	1	LS
68	Rehabilitate MH #4WTP0260 - Clean and Coat Existing Manhole. Re-Build Benches.	1	LS
69	Rehabilitate MH #4WTP0250 - Clean and Coat Existing Manhole. Re-Build Benches.	1	LS
70	Rehabilitate MH #4WTP0240 - Clean and Coat Existing Manhole	1	LS
71	Rehabilitate MH #4WTP0230 - Clean and Coat Existing Manhole	1	LS
72	Rehabilitate MH #4WTP0220 - Clean and Coat Existing Manhole	1	LS
73	Rehabilitate MH #4WTP0210 - Clean and Coat Existing Manhole	1	LS
74	Rehabilitate MH #4WTP0200 - Clean and Coat Existing Manhole	1	LS
75	Rehabilitate MH #4WTP0190 - Clean and Coat Existing Manhole	1	LS
76	Clean MH #4WTP0180	1	LS
77	Clean MH #4WTP0170	1	LS
78	Rehabilitate MH #4WTP0160 - Clean and Coat Existing Manhole	1	LS
79	Rehabilitate MH #4WTP0150 - Clean and Coat Existing Manhole	1	LS
80	Rehabilitate MH #4WTP0140 - Clean and Coat Existing Manhole	1	LS
81	Rehabilitate MH #4WTP0130 - Clean and Coat Existing Manhole	1	LS
82	Rehabilitate MH #4WTP0120 - Clean and Coat Existing Manhole	1	LS
83	Rehabilitate MH #4WTP0110 - Clean and Coat Existing Manhole	1	LS
84	Rehabilitate MH #4WTP0100 - Clean and Coat Existing Manhole	1	LS
85	Rehabilitate MH #4WTP0090 - Clean and Coat Existing Manhole	1	LS
86	Rehabilitate MH #4WTP0020 - Clean and Coat Existing Manhole	1	LS
87	Stone Backfill	50	CY
88	Sand Backfill	50	CY
Sub-Total: SANITARY SEWER MANHOLE REHABILITATION			
Sub-Total: SANITARY SEWER REHABILITATION			
Sub-Total: SANITARY SEWER MANHOLE REHABILITATION			
TOTAL BID			
ALTERNATE BID ITEMS			
Item	Description	Quantity	Units
1	Composite Manhole Frame and Cover (H2O Load Rated)	64	EA
TOTAL ALTERNATE BID			
TOTAL BID FOR ALL ESTIMATED PRICES			

Unit Price	Total	Unit Price	Total
LUMP SUM	\$4,000.00	LUMP SUM	\$12,887.00
LUMP SUM	\$4,200.00	LUMP SUM	\$14,267.00
LUMP SUM	\$4,200.00	LUMP SUM	\$14,015.00
LUMP SUM	\$4,000.00	LUMP SUM	\$15,306.00
LUMP SUM	\$340.00	LUMP SUM	\$338.00
LUMP SUM	\$3,300.00	LUMP SUM	\$15,820.00
LUMP SUM	\$2,900.00	LUMP SUM	\$15,852.00
LUMP SUM	\$120,000.00	LUMP SUM	\$124,107.00
LUMP SUM	\$132,000.00	LUMP SUM	\$135,389.00
LUMP SUM	\$2,800.00	LUMP SUM	\$23,056.00
LUMP SUM	\$3,100.00	LUMP SUM	\$23,056.00
LUMP SUM	\$3,200.00	LUMP SUM	\$24,395.00
LUMP SUM	\$99,000.00	LUMP SUM	\$101,542.00
LUMP SUM	\$2,500.00	LUMP SUM	\$7,249.00
LUMP SUM	\$2,300.00	LUMP SUM	\$7,249.00
LUMP SUM	\$2,600.00	LUMP SUM	\$8,602.00
LUMP SUM	\$340.00	LUMP SUM	\$338.00
LUMP SUM	\$3,720.00	LUMP SUM	\$11,871.00
LUMP SUM	\$3,400.00	LUMP SUM	\$11,871.00
LUMP SUM	\$3,300.00	LUMP SUM	\$11,871.00
LUMP SUM	\$3,700.00	LUMP SUM	\$14,667.00
LUMP SUM	\$4,000.00	LUMP SUM	\$15,794.00
LUMP SUM	\$4,100.00	LUMP SUM	\$15,707.00
LUMP SUM	\$3,600.00	LUMP SUM	\$15,707.00
LUMP SUM	\$3,300.00	LUMP SUM	\$15,707.00
LUMP SUM	\$340.00	LUMP SUM	\$338.00
LUMP SUM	\$340.00	LUMP SUM	\$338.00
LUMP SUM	\$2,400.00	LUMP SUM	\$16,642.00
LUMP SUM	\$2,000.00	LUMP SUM	\$16,642.00
LUMP SUM	\$1,900.00	LUMP SUM	\$11,553.00
LUMP SUM	\$1,900.00	LUMP SUM	\$13,945.00
LUMP SUM	\$1,900.00	LUMP SUM	\$11,914.00
LUMP SUM	\$1,900.00	LUMP SUM	\$12,887.00
LUMP SUM	\$1,900.00	LUMP SUM	\$15,258.00
LUMP SUM	\$1,900.00	LUMP SUM	\$15,258.00
LUMP SUM	\$1,900.00	LUMP SUM	\$16,161.00
\$100.00	\$5,000.00	\$96.00	\$4,800.00
\$81.00	\$4,050.00	\$79.00	\$3,950.00
\$601,430.00		\$1,200,719.00	
\$1,895,969.00		\$2,065,735.00	
\$601,430.00		\$1,200,719.00	
\$2,497,399.00		\$3,266,454.00	
Unit Price	Total	Unit Price	Total
\$830.00	\$53,120.00	\$825.00	\$52,800.00
\$53,120.00		\$52,800.00	
\$2,550,519.00		\$3,319,254.00	

Unit Price	Total
LUMP SUM	\$11,422.00
LUMP SUM	\$12,645.00
LUMP SUM	\$12,422.00
LUMP SUM	\$13,566.00
LUMP SUM	\$300.00
LUMP SUM	\$14,022.00
LUMP SUM	\$14,050.00
LUMP SUM	\$93,500.00
LUMP SUM	\$93,500.00
LUMP SUM	\$20,435.00
LUMP SUM	\$20,435.00
LUMP SUM	\$21,622.00
LUMP SUM	\$93,500.00
LUMP SUM	\$6,425.00
LUMP SUM	\$6,425.00
LUMP SUM	\$7,624.00
LUMP SUM	\$300.00
LUMP SUM	\$10,522.00
LUMP SUM	\$10,522.00
LUMP SUM	\$10,522.00
LUMP SUM	\$13,000.00
LUMP SUM	\$13,999.00
LUMP SUM	\$13,922.00
LUMP SUM	\$13,922.00
LUMP SUM	\$13,922.00
LUMP SUM	\$300.00
LUMP SUM	\$300.00
LUMP SUM	\$14,750.00
LUMP SUM	\$14,750.00
LUMP SUM	\$10,240.00
LUMP SUM	\$12,360.00
LUMP SUM	\$10,560.00
LUMP SUM	\$11,422.00
LUMP SUM	\$13,524.00
LUMP SUM	\$13,524.00
LUMP SUM	\$14,324.00
\$71.50	\$3,575.00
\$44.00	\$2,200.00
\$1,008,511.00	
\$2,274,061.82	
\$1,008,511.00	
\$3,282,572.82	
Unit Price	Total
\$1,000.00	\$64,000.00
\$64,000.00	
\$3,346,572.82	

Unit Price	Total
LUMP SUM	\$3,700.00
LUMP SUM	\$4,000.00
LUMP SUM	\$4,050.00
LUMP SUM	\$4,100.00
LUMP SUM	\$400.00
LUMP SUM	\$3,900.00
LUMP SUM	\$3,950.00
LUMP SUM	\$115,800.00
LUMP SUM	\$126,400.00
LUMP SUM	\$4,050.00
LUMP SUM	\$4,250.00
LUMP SUM	\$4,300.00
LUMP SUM	\$94,750.00
LUMP SUM	\$1,600.00
LUMP SUM	\$1,450.00
LUMP SUM	\$1,650.00
LUMP SUM	\$400.00
LUMP SUM	\$2,350.00
LUMP SUM	\$2,250.00
LUMP SUM	\$2,550.00
LUMP SUM	\$2,800.00
LUMP SUM	\$3,050.00
LUMP SUM	\$3,150.00
LUMP SUM	\$2,950.00
LUMP SUM	\$2,950.00
LUMP SUM	\$400.00
LUMP SUM	\$400.00
LUMP SUM	\$2,950.00
LUMP SUM	\$2,800.00
LUMP SUM	\$2,050.00
LUMP SUM	\$2,300.00
LUMP SUM	\$2,250.00
LUMP SUM	\$2,300.00
LUMP SUM	\$2,900.00
LUMP SUM	\$2,850.00
LUMP SUM	\$3,050.00
\$90.00	\$4,500.00
\$74.00	\$3,700.00
\$570,250.00	
\$3,135,122.00	
\$570,250.00	
\$3,705,372.00	
Unit Price	Total
\$3,000.00	\$192,000.00
\$192,000.00	
\$3,897,372.00	

Unit Price	Total
LUMP SUM	\$14,277.50
LUMP SUM	\$15,806.25
LUMP SUM	\$15,527.50
LUMP SUM	\$16,957.50
LUMP SUM	\$375.00
LUMP SUM	\$17,527.50
LUMP SUM	\$17,562.50
LUMP SUM	\$70,757.90
LUMP SUM	\$70,757.90
LUMP SUM	\$25,543.75
LUMP SUM	\$25,543.75
LUMP SUM	\$27,027.50
LUMP SUM	\$70,757.90
LUMP SUM	\$8,031.25
LUMP SUM	\$8,031.25
LUMP SUM	\$9,530.00
LUMP SUM	\$375.00
LUMP SUM	\$13,152.50
LUMP SUM	\$13,152.50
LUMP SUM	\$16,250.00
LUMP SUM	\$17,498.75
LUMP SUM	\$17,402.50
LUMP SUM	\$17,402.50
LUMP SUM	\$17,402.50
LUMP SUM	\$375.00
LUMP SUM	\$375.00
LUMP SUM	\$18,437.50
LUMP SUM	\$18,437.50
LUMP SUM	\$12,800.00
LUMP SUM	\$15,450.00
LUMP SUM	\$13,200.00
LUMP SUM	\$14,277.50
LUMP SUM	\$16,905.00
LUMP SUM	\$16,905.00
LUMP SUM	\$17,905.00
\$101.19	\$5,059.50
\$47.69	\$2,384.50
\$1,147,553.51	
\$5,461,605.86	
\$1,147,553.51	
\$6,609,159.37	
Unit Price	Total
\$1,025.00	\$65,600.00
\$65,600.00	
\$6,674,759.37	

June 18, 2019

Mr. Andrew Burroughs
Brunswick–Glynn Joint Water & Sewer Commission
1703 Gloucester St.
Brunswick, GA 31520

Re: BGCJWSC
Bid No. 19-017 – 2016 SPLOST
North Mainland Phase II and III Improvements
Division I — CIPP Sewer for the BGJWSC
Recommendation of Award

Dear Mr. Burroughs:

This letter serves as our recommendation of award of a construction contract for the referenced project.

After legal advertisement on the Commission's website and State Procurement page, sealed bids were received at JWSC offices until 12:00 p.m., Tuesday, June 18, 2019 and were then publicly opened and read aloud.

Five bids were received. The Commission staff reviewed the bids, checked the line item prices for any errors, and have prepared a bid abstract for the project. The apparent low bidder was Inland Pipe Rehabilitation/Southeast with a base bid of \$2,550,519.00.

We are familiar with IPR. They have a history of successfully completing projects of this scale and complexity. We have checked the State of Georgia – Suspended and Debarred Suppliers list on the Georgia Department of Administrative Services website to determine the debarment status of the company and the low bidder is not on the list. We therefore recommend award of a construction contract to Inland Pipe Rehabilitation/Southeast as the lowest responsive, responsible bidder.

Should you have any questions, please do not hesitate to call.

Sincerely,

THOMAS & HUTTON

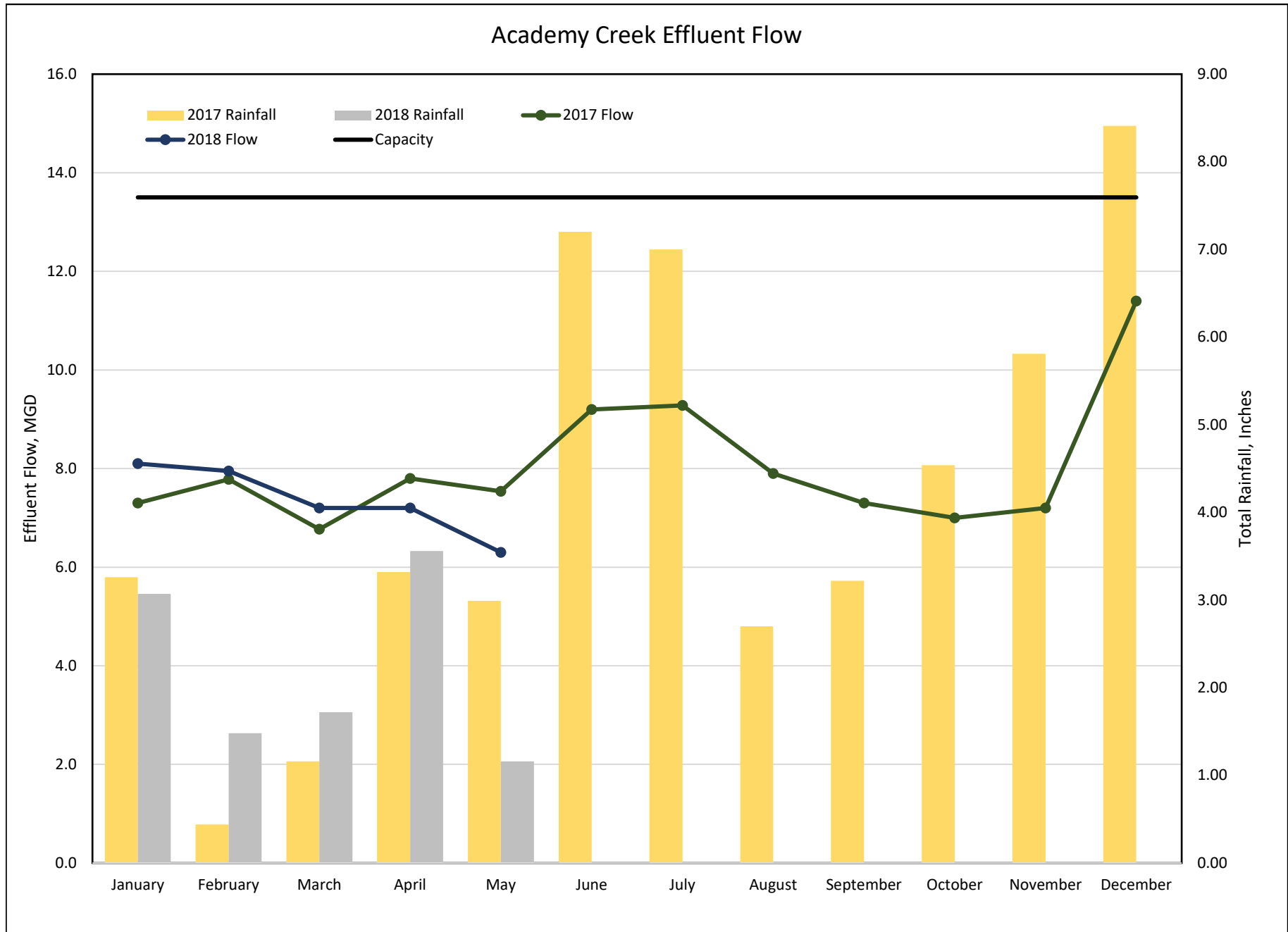


A. Christopher Stovall, P.E.

ACS/kts

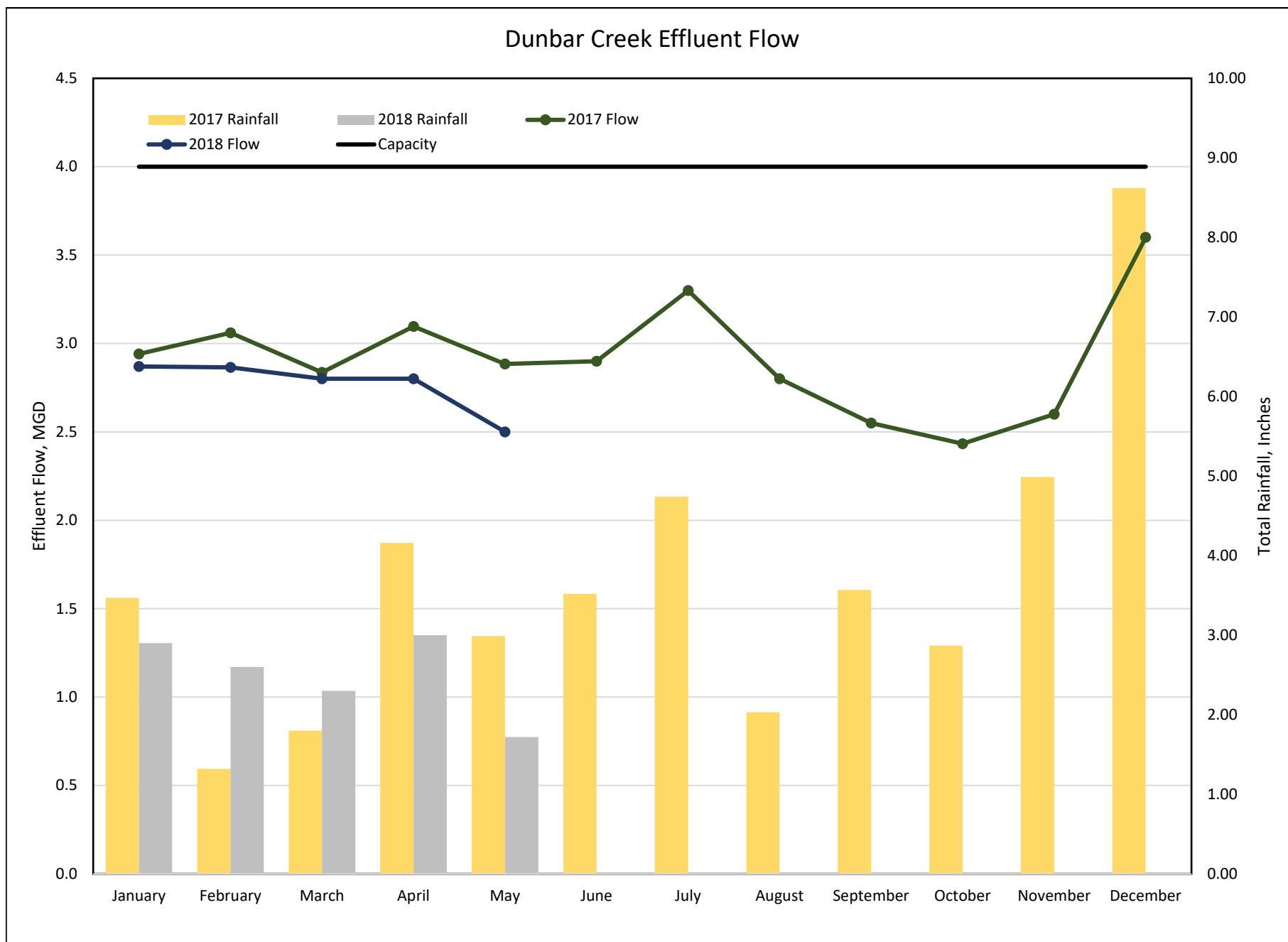
ACADEMY CREEK WWTP	FLOW (MGD)				Influent Concentrations					Effluent Concentrations								Removal Efficiency		Rainfall		Water Meter Monthly MGal	Sludge Tons to Landfill
	INF	PINOVA	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	TRC mg/L	Fecal #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total 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																							
July 2019																							
August 2019																							
September 2019																							
October 2019																							
November 2019																							
December 2019																							
Average	7.0	0.7	7.8	58%	7.5	176.7	192	20.8	8.96	6.7	6.2	8.3	11.8	7.2	0.04	29	4.7	95.19%	93.44%	1.39	3.59	0.482	81.29
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	0.08	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



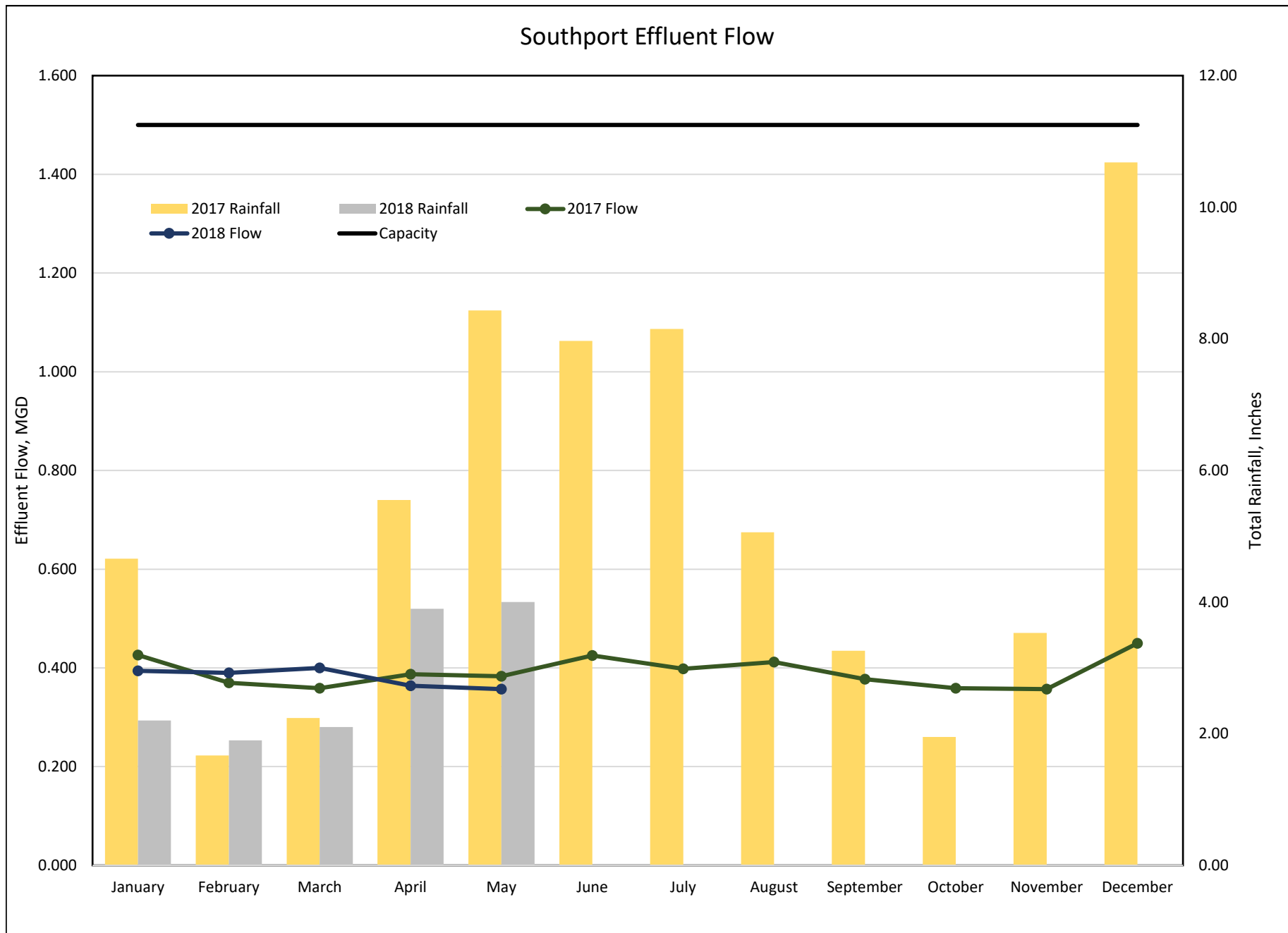
DUNBAR CREEK WWTP	FLOW (MGD)			Influent Concentrations					Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter	Sludge
	INF	EFF	% Cap.	pH s.u.	BOD mg/L	TSS mg/L	NH3 mg/L	Phos mg/L	pH s.u.	D.O. mg/L	BOD mg/L	TSS mg/L	NH3 mg/L	Entero. #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total Inches	Monthly M/Gal	Tons to Landfill
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																					
July 2019																					
August 2019																					
September 2019																					
October 2019																					
November 2019																					
December 2019																					
Average	3.4	2.9	72%	7.3	154.5	153.4	22.9	3.52	7.5	8.0	2.3	1.9	0.7	17	2.5	98.46%	98.74%	1.2	3.3	0.040	19.53
Max	4.4	3.6	90%	7.5	206.0	237.0	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	7.41
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



SOUTHPORT WWTP	FLOW (MGD)			Influent Concentrations					Effluent Concentrations							Removal Efficiency		Rainfall		Water Meter Monthly	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	Fecal #/100 mL	Phos. mg/L	BOD %	TSS %	Maximum Inches	Total Inches		
Month																					
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																					
July 2019																					
August 2019																					
September 2019																					
October 2019																					
November 2019																					
December 2019																					
Average	0.376	0.389	26%	6.9	130.0	133.1	29.0	3.64	7.3	8.4	4.3	4.5	1.1	11	0.6	96.70%	96.31%	1.5	4.5	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	111.0	78.0	23.0	1.20	6.8	7.0	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



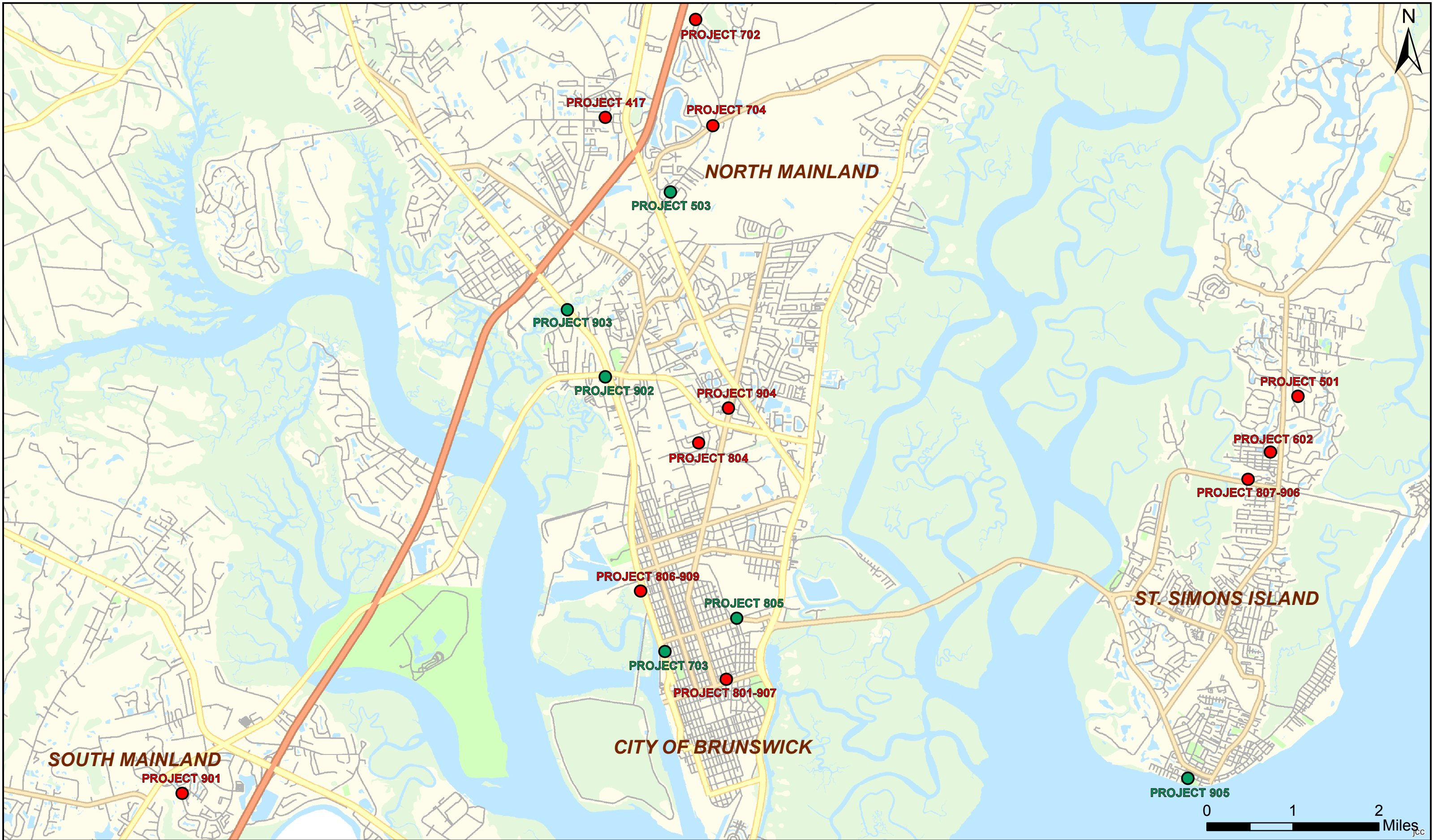
PROJECT REPORT
Financial Data as of 05-31-2019

							BOC APPROVED FUNDING & SOURCE(1)				BUDGET VS. EXPENDITURES							PROJECT STATUS					
Proj #	Project Name	Original Project Estimate	Proj Mgr.	Concept Design	Detail Design	Construction	R&R Reserve	CIF Reserve	SPLOST	Total Approved Funds	Purchase Orders Issued	BOC Approved Change Orders	Total PO+CO	Expenditures Paid to PO's	Remaining Expenditures	Misc Expenditures	Total Expenditures	Uncommitted \$\$\$ (App Fund - Exp)	% Approved Budget Available	Current Phase Completion	Next Phase Length of Time	Total Project Anticipated Completion	Status
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	0	65,943	65,943	934,057	93.41%	TBD	TBD	TBD	Construction admin awarded to Elmo A. Richardson, Jr., P.E, LLC. Bid doc kick off meeting scheduled for 06.17.19.
501	Alder Circle/Sea Palms W&S Improvements	300,000	T. Kline/ A. Burroughs	JWSC	EMC	TBD	35,300		178,599	213,899	45,296	14,550	59,846	45,546	14,550		60,096	153,803	71.90%	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		561,795	607,795	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	4,199,522	671,823	0	4,871,345	10,028,655	67.31%	Winter 2019	180 days	Fall 2020	Div I (CIPP Sewer) pre-bid meeting held on 06.4.2019. Bids due on 06.18.19.
703	PS 4003 Decommission and Gravity Sewer	3,300,000	T. Kline	JWSC	HGB	TBD			3,300,000	3,300,000	248,599	0	248,599	16,456	232,143	3,589	252,188	3,047,812	92.36%	Winter 2019	120 days	Fall 2020	EOR has provided 3 options for wetwell modifications. Staff has requested profiles of proposed options prior to confirmation/recommendation.
704	Canal Road to Glynco 12" Watermain Loop	1,200,000	T. Kline	JWSC	JWSC	TBD		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	Design at concept stage. Utilize surplus 12" C900 PVC material. Connect Glynco Pkwy. to Canal Rd. loop. JWSC engr. & const. Installation under Altamaha Canal complete.
801	FEMA Hazard Mitigation-Academy Creek	3,188,000	A. Burroughs	Haggerty	TBD	TBD	3,188,000			3,188,000	33,908		33,908	28,083	0	83,040	111,123	3,076,877	96.51%	TBD	TBD	TBD	Final applications submitted. State approvals received. Awaiting FEMA decision.
804	Magnolia Water Improvements	1,150,000	T. Kline	JWSC	City of BWK / EMC	TBD	1,150,000			1,150,000	117,050	0	117,050	28,071	88,979	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	751,780	0	751,780	68,560	683,221	0	751,781	35,553	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	1,012,002	0	1,012,002	503,972	496,435	0	1,000,407	39,593	3.81%	7/1/2019	N/A	7/1/19	Piping sections and valve replacements underway, programming of blowers underway.
807	SSI Phase II Smoke & Dye Testing	150,000	E. Zettler	TBD	TBD	McKim & Creed	150,000			150,000	119,656	0	119,656	0	119,656	0	119,656	30,344	20.23%	Spring 2019	30 Days	Fall 2019	All field work completed. Awaiting final report.
901	Lift Station 3114 Upgrades Phase 1	60,000	K. Young	JWSC	JWSC	JWSC		60,000		60,000	53,600	0	53,600	53,756	0	0	53,756	6,244	10.41%	Spring 2019	TBD	Spring 2019	Coordinating GA Power service entrance modifications, panels installed.
903	SR 27 Resurfacing from Yellow Bluff Creek to US 25	77,000	T. Kline	JWSC/GDOT	GDOT	GDOT	77,000			77,000	0	0	0	0	0	0	0	77,000	100.00%	TBD	TBD	TBD	Budget adjustment request to Commission 6/20/19.
904	Lift Station 4021 Improvements	275,000	T. Kline	JWSC	JWSC	TBD		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	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	0	0	0	0	0	0	0	16,480,647	100.00%	March 2020	270 days	Fall 2021	Contract negotiations underway with GMC. Kickoff meeting tentatively schedule 6/24/19
907	Sewer Expansion Study - Brunswick	60,000	A. Burroughs	JWSC	GWES	TBD	60,000			60,000	17,636	0	17,636	2,698	14,938	0	17,636	42,364	70.61%	June 2019	60	June 2019	Expected completion 6/14/19
909	PS 4105 CCTV and Cleaning	48,000	A. Burroughs	JWSC	---	Southeast Pipe	48,000			48,000	48,494	0	48,494	46,912	1,582	0	48,494	-494	-1.03%	June 2019	60	June 2019	Expected completion 6/14/19
TOTALS							7,641,634	15,435,000	8,721,041	46,797,675	7,784,475	588,507	8,372,982	6,562,510	2,560,700	435,144	9,558,354	37,239,321	79.58%				

UNSOLICITED PROPOSALS		DESCRIPTION	Concept	Application	Preliminary Engineering	Comprehensive Agreement	Project	Capital Fees Generated	STATUS
Sinclair S/D residential development (SSI)		121 Lot 5/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		Complete	*	*	Application under review.
Boomers Bakery (fmr. Pumpkin Patch) W&F 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.
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COMPLETED			
213 NM WTP NPDES Permit	418 Southport Water Production Facility	705 Hautala to Old Jesup Watermain Loop	
225 CMMS System Upgrade	419 Canal Rd to Old Jesup W/S Improvements	706 Dunbar Creek WWTP Project Evaluation	
301 SCADA Upgrade Project	424 Low Pressure Sewer Design-Community Rd	707 Academy Creek WWTP Project Evaluation	
304 SSI Village Area Water Improvements	425 Low Pressure Sewer Design-Epworth Acres	708 Academy Creek WWTP Odor Control	
319 Urbana	503 Canal Crossing W/S Improvements	709 Mainland Sewer Transmission Sys Cap	
421 Mansfield	504 Canal Rd Pump Station	710 LF 2002 Upgrades	
403 SCADA Upgrade	505 Lift Station 2032 and Forcemain	802 VT SCADA	
409 LS 2030 and FM Rehab	701 PS 4048 Force Main Improvements	803 SSI Sanitary Sewer Flow Monitoring	
413 Frederica/Atlantic Sewer & FM Rehab	702 (P1) North Mainland Sewer Improvements	902 Friendly Express	
416 Hampton Water Production Facility		909 CCTV Pump Station 4105 Reroute	



Any information provided by the JWSC relating to the size and location of existing utilities (i.e. GIS maps, records, drawings, etc.) are offered to assist the designers and others in identifying available points of connection. Such information is offered for the user's information only and is not guaranteed. Use of such information for detailed design purposes without proper field verification shall be at the users own risk. Created by H. Patel

BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION
1703 GLOUCESTER STREET, BRUNSWICK, GA 31520
JWSC R&R/CAPITAL PROJECTS - 05/13/2019

- CONSTRUCTION IN PROGRESS
- DESIGN IN PROGRESS

