



**SUBJECT: L STREET RECONSTRUCTION AND DRAINAGE IMPROVEMENTS –
CONSTRUCTION**

COMMISSION ACTION REQUESTED ON: January 16, 2019

PURPOSE:

Approval of a contract for construction of the L Street Reconstruction and Drainage Improvements project to improve storm drainage and roadway conditions on L Street between Martin Luther King, Jr. Boulevard and Stacy Street

HISTORY:

L Street is a very heavily travelled east-west corridor through the City of Brunswick. Due to its alignment with the Torras Causeway, L Street is a major traffic route between Newcastle Street (US Hwy 341) and St. Simons Island. The segment of the L Street corridor between Martin Luther King, Jr. Boulevard and US Highway 17 includes a mixture of commercial, industrial, and residential property along the right-of-way.

The primary storm drainage along this portion of L Street is accomplished through curb inlets, catch basins, and underground pipes. However, the existing storm drainage system is insufficient to capture and convey storm water runoff from the roadway. This causes significant flooding along this area of L Street during rainfall events. Additionally, the asphalt roadway has experienced settlement in several areas, especially in the east end of the project area near Edo Miller Field. This roadway settlement and standing water causes very poor and possibly dangerous driving conditions along the corridor.

FACTS AND ISSUES:

EMC Engineering was hired by the City to design the roadway and storm drainage improvements for L Street. The design includes new storm drainage inlets and pipes to capture and convey the storm water runoff away from the roadway. The additional, larger inlets will serve to capture more runoff from the roadway, reducing flooding within the roadway along the corridor.

Along the west end of the project, the storm water is directed to the north toward the N Street outfall. Along the east end, the storm water is directed to the east under US Highway 17 to the

marsh. By directing the storm water to the existing outfalls, no outfall permitting is required for the project.

The project also includes new asphalt roadway, concrete curb and gutter, and concrete sidewalks within the project limits. The roadway will be replaced in its current alignment and lane configuration. Sidewalks and ADA ramps will be improved as necessary to provide better pedestrian access throughout the corridor. Pedestrian-actuated beacons will also be installed to assist pedestrians crossing L Street to access the new Burroughs-Molette Elementary School.

In addition, the City is partnering with the Brunswick-Glynn Joint Water and Sewer Commission (BGJWSC) to install a new 12" water main throughout the length of the project while the roadway is under repair. This new water main and appurtenances will provide improved drinking water and fire protection service to the homes and businesses along the corridor. The water utility improvements portion of this contract will be financed by BGJWSC through a separate Intergovernmental Agreement.

The project was advertised in accordance with the City's procurement guidelines, and one contractor's bid was received. The bid was received from Georgia Asphalt Producers in the amount of \$2,676,345.00. Engineering department staff has reviewed the bid, verified references, and recommends awarding the contract to Georgia Asphalt Producers.

BUDGET INFORMATION:

This project is to be funded by money designated for drainage improvements and roadway improvements in SPLOST VI. The SPLOST VI fund contains \$3.2 million designated for storm drainage improvements, and \$4.6 million designated for paving of streets. As previously stated, the water utility improvements included in the contract (\$1,000,890) will be paid by BGJWSC as outlined in an intergovernmental agreement to be approved as a separate item. The City's portion of the project cost will be \$1,675,455.00.

OPTIONS:

1. Authorize the Mayor to sign a contract with Georgia Asphalt Producers in the amount of \$2,676,345.00 for construction of the L Street Reconstruction and Drainage Improvements project.
 2. Do not authorize the Mayor to sign a contract with Georgia Asphalt Producers in the amount of \$2,676,345.00 for construction of the L Street Reconstruction and Drainage Improvements project.
 3. Take no action at this time.
-

DEPARTMENT RECOMMENDATION ACTION:

Authorize the Mayor to sign a contract with Georgia Asphalt Producers in the amount of \$2,676,345.00 for construction of the L Street Reconstruction and Drainage Improvements project.

DEPARTMENT: **Engineering**

Prepared by: Garrow Alberson, P.E., City Engineer

ADMINISTRATIVE COMMENTS:

ADMINISTRATIVE RECOMMENDATION:

Authorize the Mayor to sign a contract with Georgia Asphalt Producers in the amount of \$2,676,345.00 for construction of the L Street Reconstruction and Drainage Improvements project.



City Manager

1-8-19

Date

SECTION 00500

AGREEMENT

THIS AGREEMENT, made this ____ day of _____, 2019, by and between the City of Brunswick, Georgia, hereinafter called "OWNER" and _____ doing business as a _____ in the State of Georgia, hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the L STREET RECONSTRUCTION and all other incidental work required by the Contract Documents for a complete project hereinafter called the "WORK". The "WORK" shall also include General and Special Conditions and the price included in the items in the CONTRACT and no separate payment will be made for same.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the cleaning, edging, construction and completion of the WORK.
3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS on the date indicated in the NOTICE TO PROCEED and will complete the project in **365 calendar days** unless the contract time is extended as provided in the General Conditions. A liquidated damage penalty will be assessed at a unit rate of \$1,000 per day for each day the work exceeds the allotted time unless a written extension request and justification for delays are submitted to the City and approved in writing by the City a minimum of (30) days prior to the contract deadline.

4. The CONTRACTOR agrees to perform all of the Work described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$ 2,676,345.00 _____, or as shown in the Proposal schedule.

5. The term "CONTRACT DOCUMENTS" means and includes the following:

- 00100 Advertisement for Bids
- 00200 Instructions to Bidders
- 00450 Bid Bond
- 00480 Summary of Quantities – Bid Form
- 00500 Agreement
- 00600 Performance Bond
- 00610 Payment Bond
- 00615 E-Verify and Oath
- 00620 Certificate of City of Brunswick's Attorney
- 00700 General Conditions
- 00800 Project Specifications
- 01600 Special Conditions
- 01700 Measurement and Payment
- 02100 Clearing
- 02200 Earthwork
- 02270 Erosion and Sedimentation Controls
- 02400 Storm Drainage
- 02485 Grassing
- 02549 Full Depth Reclamation with Portland Cement
- 02600 Pavement
- 03300 Cast-in-Place Concrete
- BGJWSC Standards for Water and Sewer Design and Construction
- 05500 Record Drawings

Addenda: No. _____, dated, _____
 No. _____, dated, _____
 No. _____, dated, _____
 No. _____, dated, _____
 No. _____, dated, _____

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS. Partial pay estimates shall be in accordance with the Supplementary Conditions.

7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in five (5) counterparts each of which shall be deemed an original on the date first above written.

CITY OF BRUNSWICK:

BRUNSWICK, GEORIGIA

BY: _____

(SEAL)

NAME: Cornell L. Harvey

Title: Mayor

ATTEST:

Name: _____

Title: _____

CONTRACTOR:

BY: _____

NAME: _____

(SEAL)

ADDRESS: _____

ATTEST:

Name: _____

END OF SECTION

Item No.	Item Description	Est. Qty.	Unit	Unit Price	Total Price
Miscellaneous					
1	Mobilization	JOB	LS	42,000.00	42,000.00
2	Clearing	JOB	LS	5,000.00	5,000.00
3	Grading Complete	JOB	LS	225,000.00	225,000.00
4	Remove and Replace Unsuitable Material	2000	CY	24.00	48,000.00
5	Traffic Control	JOB	LS	10,000.00	10,000.00
Subtotal					330,000.00
Erosion and Sedimentation Control					
1	Temporary Construction Exit	2	EA	\$2,200.00	4,400.00
2	Construct and Remove Inlet Sediment Trap	21	EA	200.00	4,200.00
3	Maintenance of Inlet Sediment Trap	21	EA	100.00	2,100.00
4	Temporary Silt Fence - NS	1000	LF	3.00	3,000.00
5	Maintenance of Temp Silt Fence - NS	1000	LF	1.50	1,500.00
6	Temporary Grassing	6500	SY	0.30	1,950.00
7	Permanent Grassing	8000	SY	0.50	4,000.00
Subtotal					21,150.00
Storm Drainage					
1	Storm Drain Pipe, 18" RCP	440	LF	68.00	29,920.00
2	Storm Drain Pipe, 24" RCP	2200	LF	77.00	169,400.00
3	Storm Drain Pipe, 30" RCP	65	LF	100.00	6,500.00
4	Catch Basin, Type A	3	EA	3,200.00	9,600.00
5	Catch Basin, Type B	32	EA	3,200.00	102,400.00
6	Catch Basin, Type C	5	EA	3,200.00	16,000.00
7	Storm Manholes	7	EA	2,550.00	17,850.00
8	Flared End Section, 24"	1	EA	2,500.00	2,500.00
9	Stone Dumped Rip Rap, Type 3, 18 Inch	15	SY	100.00	1,500.00
10	Underdrain Pipe, Incl Drainage Aggr 4"	1000	LF	57.00	57,000.00
11	Remove Existing Storm Line	415	LF	10.00	4,150.00
12	Remove Existing Storm Structure	30	EA	250.00	7,500.00
13	Flowable Fill for Storm Lines	750	LF	12.00	9,000.00
Subtotal					433,320.00
Roadway					
1	Graded Aggr Base Crs, 8 Inch	16,400	SY	18.40	301,760.00
2	Asphalt Conc 19 MM Superpave (3 Inch)	16,400	SY	16.00	262,400.00
3	Asphalt Conc 9.5 MM Superpave (1 1/2 Inch)	16,400	SY	8.00	131,200.00
4	Bituminous Tack Coat	1,640	GAL	3.00	4,920.00
5	Adjust Tops of Existing Inlets, Manholes, and Valve Boxes	20	EA	200.00	4,000.00
6	24" Curb and Gutter	9,900	LF	12.00	118,800.00
7	Concrete Pavement, 8 Inch	75	SY	72.00	5,400.00
8	Concrete Driveways and Sidewalks (6")	280	SY	54.00	15,120.00
9	Concrete Sidewalk (4")	310	SY	36.00	11,160.00
Subtotal					854,760.00
Signing and Marking					
1	Thermoplastic Solid Traf Stripe, 5" Yellow	9500	LF	0.45	4,275.00
2	Thermoplastic Solid Traf Stripe, 8" White	2200	LF	0.75	1,650.00
3	Thermoplastic Solid Traf Stripe, 18" White	250	LF	4.00	1,000.00
4	Thermoplastic Solid Traf Stripe, 24" White	60	LF	5.00	300.00
5	Permanent Traffic Signs	JOB	LS	4,000.00	4,000.00
6	Pedestrian Hybrid Beacon	2	EA	12,500.00	25,000.00
Subtotal					36,225.00
Total					1,675,455.00
Item No.	Item Description	Est. Qty.	Unit	Unit Price	Total Price
Alternate					
1	Full Depth Reclamation of Roadway	JOB	LS	188,640.00	188,640.00

Item No.	Item Description	Est. Qty.	Unit	Unit Price	Total Price
Miscellaneous					
1	Mobilization	JOB	LS	35,000.00	35,000.00
2	Clearing	JOB	LS	6,500.00	6,500.00
3	Traffic Control	JOB	LS	10,000.00	10,000.00
Subtotal					51,500.00
Erosion and Sedimentation Control					
1	Temporary Construction Exit	1	EA	2,200.00	2,200.00
2	Construct and Remove Inlet Sediment Trap	21	EA	200.00	4,200.00
3	Maintenance of Inlet Sediment Trap	21	EA	100.00	2,100.00
4	Temporary Silt Fence - NS	1000	LF	3.00	3,000.00
5	Maintenance of Temp Silt Fence - NS	1000	LF	1.50	1,500.00
6	Temporary Grassing	6500	SY	0.30	1,950.00
7	Permanent Grassing	8000	SY	0.50	4,000.00
Subtotal					18,950.00
Water System					
1	2" PVC Watermain	140	LF	40.00	5,600.00
2	4" PVC Watermain	70	LF	42.00	2,940.00
3	6" PVC Watermain	490	LF	48.00	23,520.00
4	8" PVC Watermain	120	LF	51.00	6,120.00
5	10" PVC Watermain	80	LF	54.00	4,320.00
6	12" PVC Watermain	5,000	LF	57.00	285,000.00
7	2" Valve in Box	5	EA	3,150.00	15,750.00
8	4" Valve in Box	1	EA	4,350.00	4,350.00
9	6" Valve in Box	8	EA	6,000.00	48,000.00
10	8" Valve in Box	4	EA	6,500.00	26,000.00
11	10" Valve in Box	1	EA	6,800.00	6,800.00
12	12" Valve in Box	24	EA	7,000.00	168,000.00
13	6" Fire Hydrant Assembly	9	EA	6,500.00	58,500.00
14	1 1/2" Service Lateral	40	LF	1,250.00	50,000.00
15	1" Meter Assembly	3	EA	1,800.00	5,400.00
16	Flowable Fill for Watermains	8400	LF	15.00	126,000.00
17	Concrete Pavement, 8 Inch	75	SY	72.00	5,400.00
18	Concrete Driveways and Sidewalks (6")	310	SY	54.00	16,740.00
19	Concrete Sidewalk (4")	2,000	SY	36.00	72,000.00
Subtotal					930,440.00
Total					1,000,890.00
Roadway, Drainage & Water System Improvements					Total
TOTAL					2,676,345.00

Roadway & Water Imp. Total \$2,676,345.00
 Alternate: Full Depth Total 188,640.00