

Clay County Agreement/Contract No. 2019/2020 – 196 AM8

**EIGHTH AMENDMENT TO AGREEMENT FOR OWNER’S REPRESENTATIVE
SERVICES FOR 2020 TRANSPORTATION BOND PROGRAM
[WGI, INC.]**

This Eighth Amendment to Agreement for Owner’s Representative Services for 2020 Transportation Bond Program (“Eighth Amendment”) is made and entered into on this ____ day of July, 2023 by and between Clay County, a political subdivision of the State of Florida (the “County”) and WGI, Inc., a Florida Profit Corporation (“Owner Rep”).

RECITALS

WHEREAS, on September 8, 2020, the parties entered into an Agreement for Owner’s Representative Services for 2020 Transportation Bond Program (“Bond Program”), Clay County Agreement/Contract No. 2019/2020-196 (“Agreement”), which is incorporated herein by reference, wherein the Owner Rep agreed to serve as the County’s owner’s representative in relation to the Bond Program; and

WHEREAS, the Bond Program is comprised of seven roadway Projects identified as follows:

- 1) Project No. 1: CR218 from Cosmos Ave. to Pine Tree Lane
- 2) Project No. 2: CR 209 from Highway 17 to CR 315B
- 3) Project No. 3: CR 209 from Sandridge Road to CR 315B
- 4) Project No. 4: Sandridge Road from Henley Road to CR 209
- 5) Project No. 5: CR 220 from Baxley Road to Henley Road
- 6) Project No. 6A: First Coast Connector, Maryland Ave. (CR 315) to Highway 17
- 7) Project No. 6B: First Coast Connector, SR 23 to Maryland Ave. (CR 315); and

WHEREAS, the categories of Services to be provided by the Owner Rep in relation to these seven Projects are as follows:

- 1) Program Wide Management Services
- 2) Design Criteria Package Services for Design Build
- 3) Program Wide Right of Way Acquisition Services
- 4) CMAR Wide Stormwater and Environmental Strategy Services
- 5) CMAR Wide Surveying Services
- 6) Program Wide Construction Engineering and Inspection (“CEI”) Services
- 7) Program Wide Reimbursables Services; and

WHEREAS, on February 23, 2021, the parties entered into the First Amendment to the Agreement, incorporated herein by reference, to remove all references to subcontractor Birchfield and Humphrey, Inc., its associated legal services, and all associated costs; and

WHEREAS, on January 19, 2022, the parties entered into the Second Amendment to the

Agreement, incorporated herein by reference, to provide an additional means for payment related to appraisal work completed by the subcontractor, CBRE Group, Inc. based on its unit rates; and

WHEREAS, on March 8, 2022, the parties entered into the Third Amendment to the Agreement, incorporated herein by reference, to amend the scope of services to provide for Owner Rep Services in the total amount of \$95,197.88 in relation to the roundabout study, typical analysis, and Sandridge realignment in connection with CMAR Group #1, Project 3 of the Bond Program; and

WHEREAS, on March 8, 2022, the parties entered into the Fourth Amendment to the Agreement, incorporated herein by reference, to include a new roadway project under the Agreement identified as CR 218 from Carter Spencer Road to Cosmos Ave. to be paid by the County using Impact Fee District 2 funding; and

WHEREAS, on September 26, 2022, the parties entered into the Fifth Amendment to the Agreement, incorporated herein by reference, to include Cultural Resource Assessment Survey (CRAS) as required by the St. Johns River Water Management District in relation to CMAR Group #2, Project 2 in the total amount of \$28,890.57, create a new subcategory under Service category 1 called “Cultural Resource Assessment” for the Owner Rep to provide support services in relation to these surveys/reports, amend Article 8.1 to add SEARCH, Inc. as a subcontractor under the Agreement, amend Composite Attachment G to provide for a CPI rate adjustment for the rates associated with the cost reimbursement Services for FY 22/23, amend Article 9.1 to increase the total not to exceed amount to account for the CRAS Services, and amend Article 9.2 A-G to reference Attachment F instead of the amounts; and

WHEREAS, on October 25, 2022, the parties entered into the Sixth Amendment to the Agreement, incorporated herein by reference, to include additional Services to be performed by the Owner Rep under the Service categories for Program Wide Management, Design Criteria Package for Design Build, Program Wide Right of Way Acquisition, CMAR Wide Stormwater and Environmental Strategy, and CMAR Wide Surveying related to design services and support, permitting support, and right of way/establishment of right of way monumentation and plat creation in the total amount of \$3,532,555.78; and

WHEREAS, effective May 10, 2023, the Design-Build Agreement for the design and construction of Project #1 of the Bond Program was mutually terminated between the County and the design-build contractor; and

WHEREAS, on July 19, 2023, the parties entered into the Seventh Amendment to the Agreement, incorporated herein by reference, to amend the scope of services for Project #1 from a design-build to a design-bid-build Project, provide for additional services to be performed by the Owner Rep in relation to the design-bid-build of Project #1 in the total amount of \$967,981.64 to include finalizing the design with a modified scope, permitting, utility coordination, right of way, assisting the County with a bid for the construction, and post design services, and reduce amounts for certain Projects under the Service categories for Program Wide Right of Way Acquisition and Program Wide CEI Services in the total amount of (-\$967,981.64), which resulted in a zero cost amendment to the total not to exceed under the Agreement; and

WHEREAS, on October 25, 2022, the County entered into an agreement with Kiewit Infrastructure South Co. (“Kiewit”) for Phase 2 Construction of Project #4, Clay County Agreement/Contract No.: 2022/2023-18, wherein Kiewit agreed to construct Project 4 in accordance with the Contract Plans and approved GMP; and

WHEREAS, on January 10, 2023, the County entered into an Interlocal Agreement with Clay County Utility Authority (“CCUA”) Re: Road Work and Utility Work for the Improvement of Sandridge Road, Clay County Agreement/Contract No.: 2022/2023-80 (“Interlocal Agreement”), to address CCUA’s coordination with the County to perform utility work improvement and relocation within the County right of way and CCUA utility easements adjacent to the road work improvements (Utility Work) associated with Project #4 at the same time as the design and construction of road work improvements for Sandridge Road (Road Work) utilizing the County’s contracts for design with GAI Consultants, Inc. and construction with Kiewit; and

WHEREAS, in accordance with the Interlocal Agreement, CCUA desires to cooperate with the County so that the services of one CEI firm may be utilized for Project #4; and

WHEREAS, CCUA has agreed to pay the County for certain costs associated with the incorporation of the Utility Work into the County’s contracts for the design and construction of the Road Work, including CEI costs, so that the Road Work, Utility Work, and associated CEI Services may be completed as an integrated whole; and

WHEREAS, the Owner Rep is facilitating the CEI Services for the Projects in the Bond Program which are subcontracted out by the Owner Rep; and

WHEREAS, Article 3 of the Agreement provides that if the County identifies or the Owner Rep recommends any additional services to be provided by the Owner Rep that are not covered under the Agreement but are beneficial to the Bond Program, such additional services, including scope, timing, and fees of any additional services must be mutually agreeable between the County and the Owner Rep and be made a part of this Agreement by a written amendment; and

WHEREAS, the parties desire to amend the Agreement to provide for CEI Services for the Utility Work and coordination with CCUA’s representative for Project #4 in the amount of \$119,658.61, which amount has been approved by CCUA; and

WHEREAS, the parties desire to enter into this Eighth Amendment to amend the scope of services to include CEI Services for the Utility Work for Project #4, amend Article 9.1 of the Agreement, amend **Attachment D** (Summary of Services), and amend **Attachment F** (Schedule of Values) as set forth herein.

NOW THEREFORE, in consideration of the foregoing Recitals, the mutual covenants and promises set forth herein, and for other good and valuable consideration, the receipt of which is hereby acknowledged and all objections to the sufficiency and adequacy of which are hereby waived, the parties agree as follows:

1. The above recitals are true and correct and are incorporated herein by reference.
2. The Agreement, as previously amended, is hereby amended to include CEI Services for the Utility Work and coordination with CCUA's representative for Project #4 in the amount of \$119,658.61 as reflected in the amended Summary of Services attached hereto as **Attachment D** and the amended Schedule of Values attached hereto as **Attachment F**. The estimated work effort for the CEI Services is attached to this Eighth Amendment as **Attachment H**.
3. The total not to exceed amount, as amended, is hereby increased by \$119,658.61 from \$18,843,822.92 to \$18,963,481.53. This amended amount has been allocated into Service category 6 for Program Wide CEI Services under Project #4 as reflected in amended **Attachment F** attached hereto. Accordingly, Article 9.1 of the Agreement is hereby amended and replaced in its entirety with the following:
 - 9.1. The County agrees to pay the Owner Rep for the Services performed for the Bond Program in accordance with the terms of this Agreement, on a cost reimbursement and lump sum basis, in an amount that **shall not exceed the total sum of \$18,963,481.53**. This amount includes the Services performed by the Owner Rep and all other costs, expenses and reimbursables associated with the Owner Rep's performance of the Services to complete the Bond Program.
4. Attachment D (Summary of Services) to the Agreement, as amended, is hereby removed and replaced in its entirety with **Attachment D** (Summary of Services) attached hereto which amends the Service category for Program Wide CEI Services.
5. Attachment F (Schedule of Values) to the Agreement, as amended, is hereby removed and replaced in its entirety with **Attachment F** (Schedule of Values) attached hereto which amends the amount for Project #4 under Service category 6 for Program Wide CEI Services to include the CEI Services for the Utility Work.
6. All provisions in the Agreement and any amendments, attachments, schedules or exhibits thereto in conflict with this Eighth Amendment shall be and hereby are changed to conform to this Eighth Amendment.
7. Except as expressly provided herein, all other terms and conditions of the Agreement, as amended, not affected by this Eighth Amendment are incorporated herein and shall remain in full force and effect.
8. The parties agree to utilize electronic signatures and that the digital signatures of the parties set forth below are intended to authenticate this Eighth Amendment and have the same force and effect as manual written signatures. Each person signing on behalf of the parties represents and warrants that he/she has full authority to execute this Eighth Amendment on behalf of such party and that the Eighth Amendment will constitute a legal and binding obligation of such party.

IN WITNESS WHEREOF, the parties hereto have executed this Eighth Amendment to the Agreement as of the date and year first written above.

WGI, INC.

By: _____
Gregory Sauter
Its President

CLAY COUNTY, a political subdivision of the State of Florida

By: _____
Betsy Condon
Its Chairman

ATTEST:

Tara S. Green
Clay County Clerk of Court and Comptroller
Ex Officio Clerk to the Board

Total Amount	\$15,187,178.69
AM1	No Price Change
AM2	No Price Change
AM3	\$ 95,197.88
AM4	Impact Fee District 2 Funding
AM5	\$ 28,890.57
AM6	\$ 3,532,555.78
AM7	Zero Cost Amendment
AM8	\$ 119,658.61
Adjusted Total Amount	\$18,963,481.53

ATTACHMENT D

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ATTACHMENT D

SUMMARY OF SERVICES

The Owner Rep shall provide Services as detailed in the Agreement, the RFQ Scope of Services attached as Attachment B to the Agreement, and the Owner Rep's Response attached as Attachment C to the Agreement. This Summary of Services is to set forth the associated cost reimbursable and lump sum amounts for the seven categories of Services agreed upon by the parties to ensure performance of the Services as described in the table below:

	Service Categories	Contract Amounts
1	Program Wide Management	Cost Reimbursable \$6,801,642.69
2	Design Criteria Package for Design Build (DB)	Cost Reimbursable \$2,343,725.59
3	Program Wide Right of Way Acquisitions	Cost Reimbursable \$3,767,322.06
4	CMAR Wide Stormwater and Environmental Strategy	\$636,757.17
5	CMAR Wide Surveying	Lump Sum \$633,677.71
6	Program Wide Construction Engineering Inspection (CEI)	Lump Sum \$4,626,493.84
7	Program Wide Reimbursables	Cost Reimbursable \$153,862.48
	TOTAL OWNER'S REP FEE	\$18,963,481.53

Each service category has been further divided into subcategories by the parties to reflect the work effort to be performed under each service category and the associated cost within each service category. The following tables for each service category identify the subcategories and associated contract amount and are followed by a description of work effort attributed to the subcategories.

SERVICE CATEGORY 1 - PROGRAM WIDE MANAGEMENT

Category	Contract Amount	Comments
Roadway Reviews (Support)	\$966,693.83	All DB Projects and CMAR Projects oversight
Drainage Reviews (Support)	\$545,714.07	Technical oversight services for all DB Projects and CMAR Projects
Utility Verification (Support)	\$304,090.02	Technical oversight services for all DB Projects and CMAR Projects
Geo-Tech (Support)	\$115,781.32	Technical oversight services for all DB Projects and CMAR Projects
Public Involvement (GIS Support)	\$73,301.02	Support services for all DB Projects and CMAR Projects
Cultural Resource Assessment	\$183,723.33	Support services for all DB and CMAR projects
Program Management	\$4,100,947.02	All DB Projects and CMAR Projects
Project Controls	\$387,480.01	HDR – Subcontractor services for all DB Projects and CMAR Projects
Post Design	\$123,912.08	CR 218 Post Design Services during Construction
Sub-Total Program Wide Management Services	\$6,801,642.69	

DESCRIPTION:

The Services to be provided under the Program Wide Management Service Category include, but are not limited to, professional services necessary to manage the study, design, right of way acquisitions/relocations, construction and inspections of the Bond Program and are divided into the following described subcategories.

Roadway Reviews:

These Services are program wide support services for all seven Projects and are described as tracking and close-out of all comments and responses related to each Project through the entire design review process for Project plans and Project submittals, including design exceptions and quality control assurance reviews to include the technical review of plans and supporting documentation for all seven Projects at 30%, 60%, 90%, and 100% submittals. Design analysis as required for recommendations for cost savings or to meet the scope of the project. Prepare for and attend meetings related to design guidance including MOT, quantities, and interface issues.

Drainage Reviews:

These Services are for technical oversight review support services for all seven Projects and are described as services to determine all Project drainage design and construction methods in accordance with standard drainage practices (see the most current edition of the FDOT Drainage Manual for reference). These Services also include the technical review of plans and supporting documentation for all seven Projects at 30%, 60%, 90%, and 100% submittals. Design analysis as required for recommendations for cost savings or to meet the scope of the project. Prepare for and attend meetings related to design guidance including stormwater and drainage systems, shared use ponds, and coordination with permitting agencies such as SJRWMD and DEP.

Utility Verification:

These Services are for technical oversight review support services for all seven Projects and are described as the process of obtaining all utility information available to develop a plan which incorporates all utilities (electric, water, wastewater, communications, data and gas) into the Project(s) work plan which includes all existing aerial and underground utilities. The plan includes reviewing permits for applicability and completeness, tracking each permit through each project, work with utility agencies to ensure timely deliverable of existing conditions or planned improvements, and confirming final work to the satisfaction of the county. This addendum includes finalizing the CR 218 Utility Work Schedule for a conventional design bid build project.

Geo-Tech:

These Services are for technical oversight review support services for all seven Projects and are described as using principles of soil mechanics to investigate subsurface conditions and materials; determining the relevant physical/mechanical and chemical properties of these materials; evaluating stability of natural slopes and man-made soil deposits; assessing risks posed by site conditions; designing earthworks and structure foundations; monitoring site conditions, earthwork and foundation construction; reviewing Geo-tech scopes, reports and recommendations; and providing feedback and recommendations to the Program Administrator.

Public Involvement (GIS Support):

These Services, which may be requested by the County, are program wide support services

for all seven Projects and may consist of public outreach; assisting the County with developing a Program Wide Public Outreach Plan; attending and participating in public meetings and workshops related to public awareness, preparing flyers, brochures, and hand-outs; notifying media sources of Project actions; and performing any other related awareness/communication services if authorized by the Program Administrator.

Cultural Resource Assessment

Prepare a Cultural Resource Assessment Survey/Report for each project as required by the permitting agency(s).

Program Management:

These Services are program wide support services for all seven Projects and are described as:

- Schedule: Per the Agreement, establish a Master Program Plan and Schedule consisting of individual plans and schedules for each Project based on the following Project groupings, and throughout the Bond Program review schedule and sequencing and provide recommendations:
 - a. Conventional Project #1, CR 218 – Mimosa Ave to Pine Tree Lane:
 - Deliver as a Conventional Design-Bid- Build
 - b. Design Build Project #6B, First Coast Connector (FCC) – new road connecting CR 315 to First Coast Expressway (FCE):
 - Deliver as a low-bid Design Build
 - c. CMAR Project Group #1
 - Project #3, Russell Road (CR 209) – Sandridge Road to CR 315B
 - Project #4, Sandridge Road – Henley Road to Russell Road (CR 209)
 - d. CMAR Project Group #2
 - Project #2, CR209 – US 17 to CR 315B
 - Project# 5, CR 220 – Baxley Road to Henley Road
 - Project #6A, CR 315 – US 17 to Project #6B (FCC)
 - e. Draw from the Master Program Plan and Schedule to establish and monitor individual Project scheduling requirements and major milestone/critical path events for engineering/ construction activities such as the following:
 - Review, coordinate and manage Project consultants and contractors.
 - Review design development compliance with approved Project design criteria.
 - Oversee the work between Design Consultants and CMARs as they work together to develop Project budgets and ultimately GMP's.
 - Develop scope of work and special contract provisions.
 - Review Project consultants progress reports and review and recommend approval of Project consultants' and contractors' invoices.

- Provide oversight and support services during the construction period to ensure compliance with contract documents and industry best practices.
- Budget: Review and update conceptual budget and scope; Establish financial accounting systems, advise the County of projected funding needs monthly, perform cash flow analyses, and validate program requirements and budgets for financial/accounting support, general administrative, and professional support; Develop baseline Cash Flow metric (specifically linking Program Wide Funding to the detailed Project activity and projected needs) that will be updated throughout the life of the Bond Program; Develop a baseline Master Program Budget, Schedule and Cash Flow that is a living document and develop metric-based Program Management dashboards. Incorporate mobility fee credits, interest income, and other sources into budget and plan for availability for construction payments. Support the County in an effort to apply for additional funding sources.
- Project Services Support:
 - a. Develop design documentation to support each project which may include typical section development and/or changes, alignment changes due to new or changing information. Prepare roundabout layout at locations deemed appropriate for its consideration. Prepare shared use pond analysis or other drainage analysis to support changing conditions, or changing approaches to the project
 - b. Prepare white papers as needed to support shared use ponds, location of County facilities, or other analyses as requested by the County.
 - c. Prepare a Cultural Resource Assessment Survey/Report for each project as required by the permitting agency(s).
 - d. Provide document controls and filing systems, establish Project schedules, conduct production meetings, provide status reports, and other general administrative services.
 - e. Review scope of services for Project design, review contract agreements, provide baseline surveying, right of way mapping and legal descriptions, and prepare paperwork and documentation necessary for submittal to the County's Board of County Commissioners.
 - f. Coordinate the timing of the roadway construction, including analysis of other construction that may impact the roadways to determine the most efficient means and timing to conduct the work to minimize the impact on the public.
 - g. Use proactive management and technical oversight in all areas of planning through construction to ensure success in delivery of the Projects within budget and on-time before the mandated deadlines.
 - h. Establish Project controls protocols and coordinate with County Administrative Staff on how to make the linkages as seamless as possible:
 - Accounting Systems
 - Purchasing and Procurement Systems
 - Project Scheduling and Tracking Systems

- Meetings
 - a. Attend progress meetings to status the program and report progress.
 - b. Hold regularly scheduled meetings with team members to coordinate with partners, assign responsibility, and track progress.
 - c. Attend BOCC meetings to report progress and provide material as needed.
 - d. Prepare for and attend quarterly meetings with the County senior leadership team to report progress and receive guidance on proper implementation of the program.
 - e. Prepare for and attend meetings with developers including for geometric coordination as well as design and permitting requirements for stormwater system design.
- Risk Management:
 - a. Develop a Risk Profile and prepare a Risk Management Plan and maintain a Risk Register from task authorization through completion of the Bond Program. Risk assessment will be discussed weekly with the County so the County and the Owner Rep are aware of the current exposure and probability and continue to effectively address issues.
 - b. Consider all potential risks, including, but not limited to, COVID-19 and any other infectious disease outbreak, cybersecurity, and natural disasters/extreme weather such as hurricanes, etc.
 - c. Work with the County to establish response protocols and hold industry forums to communicate with the industry and seek feedback to mitigate any potential risks.
- Right of Way: Review the existing right of way and establish an acquisition strategy that includes an evaluation of the proposed typical section for each Project to determine if alternatives might yield less right of way impacts.
- Design Build Project (CR 216 Cathedral Oak Parkway)
 - a. For design-build work, perform constructability review; perform geotechnical advisory support; and perform surveying support.
 - b. Conduct an in-depth constructability review and conduct a Quality Control (QC) pre-construction meeting to review specifications, outline testing procedures, review responsibilities, and resolve contractor questions.
 - c. Review Project schedules against FDOT or other Project improvements to coordinate traffic control plans and other Project coordination.
 - d. Implement partnering in improving communications, increasing trust, managing goals, and expediting decision-making time.
 - e. Assist in value engineering; review periodic progress payment requests;
- Conventional Design Bid Build (CR 218)
 - a. Finalize the CR 218 Plans for Permitting, From Cosmos Ave to Pine Tree Lane
 - b. Prepare plans for Base Bid from Pine Tree Ln to Masters Rd (Omega Park)
 - c. Prepare Alternative Bid Option 1 to Extend the project to Mimosa Ave
 - d. Prepare Alternative Bid Option 2 for Intersection Improvements at Mimosa Ave
 - e. Prepare Alternative Bid Option 3 to Extend the Shared Use Path from Mimosa Ave to Cosmos Ave

- CMAR Projects:
 - a. Assist with selecting two Engineering design consultants (“Design Consultants”) to design the five roadway Projects associated with the two CMAR Projects. This will include, but not be limited to, assisting with preparation of Request for Qualifications, assisting with negotiations with Design Consultants, and assisting with issuing the Notices to Proceed to each Design Consultant.
 - b. Assist with developing the process needed to secure the services of two CMAR entities for the CMAR Projects and assist with negotiations with CMAR entities for pre-construction services.
 - c. While working in conjunction with the Design Consultants and CMARs, Owner Rep, Design Consultants, and CMARS will work together through 100% design developing an Open Estimate Guaranteed Maximum Price (GMP). The Owner Rep will help manage the Design Consultants and CMARs in the development of a set of construction plans with a GMP for each Project.
 - d. Submit the GMP and construction plans for the CMAR Projects to the County for the County’s review and approval. Review and recommend whether the County should continue with the CMARs or competitively bid the Project(s). If the County accepts the GMP, then construction will begin, and the CMAR will become the point of responsibility for construction of its assigned Projects. If the GMP and construction plans are not accepted, the Project(s) will be bid competitively.
- Both Design Build and CMAR Projects:
 - a. Perform preliminary design activities including development criteria, standards and elements that will be transferred to the Design Consultants to establish consistency and assist with the review and negotiation of the design fee proposals, monitor Design Consultants performance; review/comment on the 30%, 60%, 90%, and 100% submittals; review design criteria development compliance; assist in value engineering; review periodic progress payment requests.
 - b. Value engineering will include cost mitigation meetings including review of 60% plans with a full-service design team to investigate changes that will result in cost savings to the County. This may include design analysis including realignment, typical section changes, construction phasing changes, and elimination of scope of work.
 - c. During the construction, provide CEI Services as outlined in Service Category 6, schedule and conduct pre-construction and weekly meetings, enforce construction documents, review shop drawings and RFIs, review and analyze change orders, review monthly progress payment requests, prepare/maintain monthly progress schedules and reports, test construction materials, collect and deliver documents and deliverables prior to recommending final payments, deliver financial accounting reports, and conduct warranty reviews as needed.
 - d. Serve as an expert witness and perform any other design support services.
- CEI Services: Oversee and manage CEI services for all seven Projects.

Project Controls:

These Services are program wide support services for all seven Projects and are described as Project data gathering, management and analytics to predict, understand and constructively influence the time and cost outcomes of the Projects through the communication of information in formats that will assist effective management and decision making of the Bond Program.

SERVICE CATEGORY 2 – DESIGN BUILD CRITERIA PACKAGES (DB)

Categories	Contract Amounts	Comments
Survey (Topo/ Right of Way)	\$429,847.15	Surveying effort to support the preparation of the Design Build Criteria Package and all other needs related to the delivery of Project #1, CR 218 and Project #6B, FCC
Structures (BDR, Bridge Development Report) CR 218 Strain Pole Design	\$147,223.18	All this effort related to Project #6B, FCC over Peter's Creek - preparation of 30% Structures Plans and a Bridge Development Report (BDR) to be included in the Design Criteria Package
Roadway (Conceptual Plans CR 216) (Final Plans for CR 218)	\$568,539.89	Develop a 30% set of plans for both Design Build Projects and secure SJRWMD ERP, Formal Wetland Delineation, and USACE permit
Drainage (Conceptual plans CR 216) (Final Plans for CR 218)	\$165,320.81	Develop a 30% set of plans for both Design Build Projects and secure SJRWMD ERP, Formal Wetland Delineation, and USACE permit
Geotech (Reviews and Borings)	\$216,412.79	For Project 6B, FCC – Roadway borings at every 500 ft. (35 max), 3 bridge borings and one boring per pond (5 max) CR 218 finalize Geotech Documents
Drainage (Analysis and Permitting)	\$455,947.37	Develop preliminary drainage basins, ponds and bridge hydraulics report as needed to secure SJRWMD ERP, Formal Wetland Delineation, and USACE permit
Wetland Delineation	\$243,252.66	Delineate State & Federal jurisdictional wetlands and

		prepare wetland application for SJRWMD and USACE as needed to support the issuance of SJRWMD ERP
CCUA Plans	\$36,791.32	Finalize CCUA Plans for Work by Highway contractor
S&PM, Signal, Lighting Analysis and Plans	\$80,390.41	Final Component Plans Sets
Sub-Total Supporting Professional Services to Develop Design Criteria Packages	\$2,343,725.59	

DESCRIPTION:

The Services to be provided under the Design Build Criteria Package Service Category include but are not limited to professional services necessary to develop Design Build (DB) and Design Bid Build criteria packages for:

- Project #1, CR 218 –Cosmos Avenue to Pine Tree Lane (Design Bid Build)
- Project #6B, First Coast Connector (FCC) – new road connecting CR 315 to FCE

The Low Bid Design Build delivery method will be used on Project #6B, FCC – FCE to CR 315. It was determined that a low bid Design Build delivery model would allow the County to leverage existing investments on this Project and to immediately begin a process that would lead to an early start on construction activity and shift appropriate risks to the Design Build contractors. Project #1, CR 218 – Cosmos Avenue to Pine Tree Lane will be delivered as a Conventional Design Build Bid, with a Base Bid and alternative bid options.

The design build packages will be designed to a 30% design completion by the Owner Rep. These packages will be of sufficient quality to issue Design Build Request for Proposals and/or Qualifications. The Owner Rep may assist the County through the procurement process. The preparation of the Design Build Criteria Packages will involve the development of design and contract documents of sufficient strength to allow Design Build contractors to evaluate and bring forth competitive responses. The general objective is for the Owner Rep to develop Design Build Request for Proposals and/or Qualifications to be used by the County for procurement of Design Build Firm(s) (DBFs) on the two Project(s). In addition, the Owner Rep will provide Services to support the DB Projects during the DBF procurement effort. The professional Services authorized under this category include due diligence and planning; limited Geotechnical Services; preliminary Engineering Design, preparing bid documentation and assisting in the evaluation of industry responses, including transition into construction

phase services.

The conventional Package will include final construction documents and assistance with the Design Build Bid Request for Proposal in selecting the Qualified Contractor.

The Program Manager will prepare analysis and review of Construction Saving Initiatives (CSI) as submitted by the design-builder from time to time.

Project #1, CR 218 - Cosmos Avenue to Pine Tree Lane:

This Project has been previously designed and permitted by others and it is our understanding that Clay County owns the property where the stormwater treatment facility was proposed to be located under that previous set of permitted design documents. However, the St. Johns River Water Management District (SJRWMD) has advised that due to the time that has elapsed between the issuance of the above referenced permit, it has been rendered null and void.

This proposal includes the effort required to secure the SJRWMD ERP, Formal Wetland Delineation, and USACE permit. The Owner Rep will use DB 90% design (drainage system, stormwater management and environmental permitting) as a baseline and revise it as needed to comply with current industry best practices and regulatory requirements. It is anticipated that this effort will include the preparation of drainage maps, stormwater pond sheets, drainage detail sheets, erosion control plans, SWPPP sheets and stormwater calculations that will be signed and sealed as a part of the submittal of SJRWMD ERP and USACE applications. The Owner Rep work effort will involve some of the more detailed effort as described below:

- Review the SJRWMD ERP (17128-4) and USACE permit including any special conditions.
- Review the stormwater management system to determine compliance with current industry best practice and regulatory requirements:
 - a. Drainage maps
 - b. Pond designs
 - c. SWPPP & Erosion Control Plans
 - d. Drainage System Design and adjust as needed for changing conditions
- Conduct field reviews to determine any significant change in condition.
- Wetland delineation and general wildlife surveys for due diligence.
- Perform UMAM analysis on proposed wetland impacts.
- Review of DB permit modification(s) as needed for their design including both early-works plans and their final design adjustments.
- Determine mitigation requirements and develop a mitigation plan.
- Perform plans updates and obtain SJRWMD ERP and USACE permit, including:
 - a. Drainage maps
 - b. Pond detail sheets
 - c. SWPPP and erosion control plans (assumes County will provide CADD files of permitted plans)

- d. Secure the SJRWMD Stormwater ERP, USACE permit, and Formal Wetland Delineation
- e. Concurrence letters from DHR, FWC, & USFWS
- f. RFP preparation assistance (if requested)
- g. Final Construction plans and calculations
- h. Post Design Support

Project #6B, FCC – FCE to CR 315:

A preliminary alignment has been established, and the County will obtain from the landowner the Right of Way for the roadway and stormwater ponds. The proposed stormwater ponds will likely be joint use requiring coordination with the proposed development.

- Owner Rep will develop 30% level plans to be able to obtain permits for the Project and include:
 - a. Adjust plans to accommodate requested changes such as typical section, median width, and layout, change in alignment location and addition of roundabout, relocation of the shared use path, joint use ponds and additions of cross drains, and attendance at technical meetings to coordinate the changes.
 - b. Pond Siting analysis to include recommended ponds sites, preliminary storage requirements and acreage. Estimated 5 ponds.
 - c. Preliminary drainage maps on aerials.
 - d. Storm system layout (cross drain preliminary pipe sizes only).
 - e. RFP preparation assistance (if requested).
 - f. Perform 60%, 90% and 100% phase plans and calculations reviews.
 - g. Secure SJRWMD Stormwater ERP, Formal Wetland Delineation and USACE permit.
 - h. Concurrence letters from DHR, FWC, & USFWS
 - i. SWPPP and erosion control plans
 - j. Bridge Hydraulics Report for the Peters Creek Crossing.
 - k. FEMA No-rise Certification for the Peters Creek crossing (It is a FEMA Floodway).
 - l. Jurisdictional agency coordination.
 - m. Bridge Development Report.

The Design Build Service Category is divided into the following subcategories for cost allocation:

Survey:

These Services are to support the preparation of the DB package and all other needs related to the delivery of Project #1, CR 218 and Project #6B, FCC with the general statement of work described as:

- Survey work will be in accordance with Rule 5J-17, Florida Administrative Code, pursuant to Chapter 472 of the Florida Statutes.
- Survey work shall adhere to the required work zone safety for each task.

- Vertical control will be based on the North American Vertical Datum of 1988 (NAVD88).
- Horizontal control will be based on the State Plane Coordinate System of 1983, Florida East Zone.
- Existing Right of Way Survey:
 - a. Establish primary horizontal control
 - b. Establish primary vertical control
 - c. Survey of existing right of way based upon supplied right of way maps and adjacent property descriptions (legal descriptions, plats, etc.)
 - d. Right of way maps shall be created of the existing right of way to aid in the creation of property acquisitions, temporary construction easements, etc.
 - e. Project #1, CR 218 - Cosmos Avenue to Pine Tree Lane: Review existing right of way maps and locate existing control to determine current County right of way
 - f. Project #6B, FCC – FCE to CR 315: Prepare maps and stake alignment/right of way (to be staked at 1000' intervals or changes in direction) acquired by the County
- Topographic Survey:
 - a. Establish secondary horizontal/vertical control for LiDAR scans and additional topo
 - b. LiDAR scan of project corridor
 - Task includes the data acquisition, post processing, and extraction
 - c. Topographic survey of obscured areas and pond sites
 - Topographic limits to extend 10 feet past the right of way
 - d. Drainage survey of existing structures
 - e. Bridge survey (if applicable)
 - f. Channel survey (if applicable)
 - g. Jurisdiction line survey (wetlands as flagged by others)
 - h. SUE (CR 218 only)
 - Quality Level "A" (test holes)
 - Quality Level "B" (horizontal designates)
 - i. Project #1, CR 218 - Cosmos Avenue to Pine Tree Lane: Survey of 2.59-mile Project limits to extend 10 feet on either side of the proposed right of way and proposed pond sites
 - j. Project #6B, FCC – FCE to CR 315: Survey of 3.94-mile Project limits to extend 10 feet on either side of the acquired right of way and proposed pond sites; Locate monumentation; locate section corners; Establish R/W monumentation as required by plat

Structures:

These Services are in connection with Project #6B, FCC and include the preparation of 30% Structures Plans and a Bridge Development Report (BDR) to be included in the Design Criteria Package for Project #6B. Additionally, the CR 218 Stain Pole Design at Mimosa Ave will be Finalized.

Roadway:

These Services are for both Project #1, CR 218 and Project #6B, FCC and include the development of a 30% set of plans as well as the securing of the SJRWMD ERP, Formal Wetland Delineation and USACE permit. Final Construction Plans for CR 218 will be provided.

Drainage (30% Plans):

These Services are for both Project #1, CR 218 and Project #6B, FCC and include the development of a 30% set of plans and securing of the SJRWMD ERP, Formal Wetland Delineation, and USACE permit. Final Drainage Plans for CR 218 will be provided.

Geotech:

These Services are for Project #6B, FCC and include roadway borings at every 500 ft. (35 max), 3 bridge borings and one boring per pond (5 max). Final Geotechnical Information for CR 218 will be reviewed.

Drainage (Analysis and Permitting):

These Services are for both Project #1, CR 218 and Project #6B, FCC and include developing preliminary drainage basins, ponds and bridge hydraulics report (BHR) as needed to secure SJRWMD ERP, Formal Wetland Delineation, and USACE permit. Final Drainage analysis and Permit for CR 218 will be acquired.

Wetland Delineation:

These Services are for both Project #1, CR 218 and Project #6B, FCC and are to delineate State & Federal jurisdictional wetlands and prepare wetland application for SJRWMD and USACE as needed to support the issuance of SJRWMD ERP.

SERVICE CATEGORY 3 – PROGRAM WIDE
RIGHT OF WAY ACQUISITION

Category	Contract Amount	Comments
Acquisition (HDR & WGI)	\$2,249,649.63	DB Project #1 and CMAR Projects
Appraisal (CBRE)	\$947,225.41	DB Project #1 and CMAR Projects
Legal Description	\$163,806.85	DB Project #1 and CMAR Projects
Environmental Phase I	\$35,970.82	DB Project #1 and CMAR Projects
Environmental Phase II	\$353,745.00	Technical oversight services for DB Project #1 and CMAR Projects
Environmental Phase III	\$5,074.36*	Technical oversight services for DB Projects and CMAR Projects
Title Search (Barrie)	\$11,850.00	Title searches for parcels to be acquired All CMAR projects
Sub-Total Right of Way Acquisition Services	\$3,767,322.06	* is a designated Allowance to be used at the discretion of the County

DESCRIPTION:

The Services to be provided under the Right of Way Acquisition Service Category are set forth in the RFQ Scope of Services, Attachment B to the Agreement, and will be subcontracted out by the Owner Rep. The subcontractor(s)' right of way acquisition services shall include but not be limited to all services needed for the County to acquire complete or partial properties for construction and are divided into the following described subcategories for cost allocation:

Acquisition:

These Services are for the acquisition of necessary right of way property for Design Build (DB) Project #1 and the CMAR Projects and are described as including, but not limited to, negotiating purchases; assisting in relocation; preparing suit packages for eminent domain; performing title searches; serving as expert witness; providing recorded deeds; maintaining financial accounting of all real estate transactions; preparing bid packages for demolishing

structures; utility adjustment and relocation needs; permitting requirements; and general site conditions.

Appraisal:

These Services are for any appraisals necessary for acquisition of right of way property for DB Project #1 and the CMAR Projects and are described as including but not limited to performing appraisals and confirming accuracy thereof.

Legal Description:

These Services are for the preparation of the legal descriptions for the acquisitions necessary for DB Project #1 and the CMAR Projects and are described as:

- Boundary rectification surveys shall be completed on parcels that will be affected by acquisitions or easements. Only sufficient field work shall be completed to allow for the County to understand the approximate location of common boundary lines of adjacent parcels. Extensive boundary surveys of each adjacent parcel shall not be performed.
- Legal descriptions of each of the parcels shall be created to be included in the right of way process.
- This phase will not begin until the parcels being affected have been identified.
- Includes staking parcels for appraisals, as requested.
- It is noteworthy that the specific proposal for right of way services provides an outline of the number of parcels that are estimated to be impacted by takings and temporary construction estimates and there is a direct correlation between the number of parcels and the stated fee.
 - a. DB Project #1:
 - CR 218 – Cosmos Avenue to Pine Tree Lane: Number of parcels based on conceptual right of way is 45.
 - b. CMAR Project Group #1:
 - Project #3, Russell Road (CR 209) – Sandridge Road to CR 315B: Number of parcels based on conceptual right of way is 20.
 - Project #4, Sandridge Road – Henley Road to Russell Road (CR 209): Number of parcels based on conceptual right of way is 26.
 - c. CMAR Project Group #2:
 - Project #2, CR 209 – US 17 to CR 315B: Number of parcels based on conceptual right of way is 8.
 - Project #5, CR 220 – Baxley Road to Henley Road: Number of parcels based on conceptual right of way is 14.
 - Project # 6A, CR 315 (FCC) – US 17 to FCC (Project #6B): Number of parcels based on conceptual right of way is 10.
 - d. No legal descriptions or associated survey will be required for DB Project #2-Project #6B, FCC - as the County will acquire the necessary right of way for the road and ponds.

Environmental Phase I:

These Services are for conducting any required environmental phase I in connection with DB Project #1 and the CMAR Projects and are described as identifying and recognizing environmental conditions for the potential of impacts to the Projects.

Environmental Phase II:

These Services are for providing technical oversight services for DB Project #1 and the CMAR Projects if authorized and are described as environmental testing of soils, groundwater, subsurface, and such for environmental impact.

Environmental Phase III*:

These Services are for providing technical oversight services for the DB Projects and the CMAR Projects if authorized and are described as any remediation services identified through testing in Environmental Phases I and II for the DB Projects and the CMAR Projects.

SERVICE CATEGORY 4 – CMAR WIDE STORMWATER AND ENVIRONMENTAL STRATEGY

Category	Contract Amount
Stormwater Strategy	\$245,270.48
Wetland Delineation	\$391,486.69
Sub-Total CMAR Wide Stormwater and Environmental Strategy Services	\$636,757.17

DESCRIPTION:

The Services to be provided under the CMAR Wide Stormwater and Environmental Strategy Service Category are divided into two subcategories for cost allocation:

Stormwater Strategy:

These Services are for the CMAR Projects and include, but are not limited to, the following:

- Gather and review existing data including but not limited to historic plans, right of way maps, aerial photography, soil surveys, FEMA maps, topographic data, existing and proposed land uses, wetland areas, etc.
- Field review to document hydrologic and hydraulic features including potential outfalls.
- Preliminary drainage basin maps.
- Pond Siting Analysis Report (recommend pond site, type, acreage required).
- Jurisdictional agency coordination.
- Develop a comprehensive stormwater and wetland permitting strategy, guide Design Consultants through the permitting process, review permit application and documentation packages, and perform any other needed Services.
- Perform shared use pond analysis and recommendations
- Lead contact and communication with agency partners such as SJRWMD and DEP.
- Attend and report at technical meetings.
- Review additional ponds sites as may be required as a result of the right-of-way.
- Review and take into consideration new permits that may affect the progress of Design-build or CMAR projects.

Wetland Delineation:

These Services are for the CMAR Projects and are to identify and flag any jurisdictional wetlands in, along and adjacent to any of the CMAR Projects. To include the realignment of Sandridge Rd and CR 209B.

The above stated effort will be to support and provide assistance to the CMAR Projects as they seek to acquire the stormwater and environmental permits.

SERVICE CATEGORY 5 – CMAR WIDE SURVEYING

Category	Contract Amount
Right of Way Survey	\$256,609.20
Topographic Survey	\$377,068.51
Sub-Total CMAR Wide Surveying Services	Lump Sum \$633,677.71

DESCRIPTION:

The Survey Services to be provided under the CMAR Wide Surveying Service Category are for the CMAR Projects and will be performed either in house by the Owner Rep or subcontracted out by the Owner Rep, with payment on a lump sum basis. The Services shall adhere to the following general principles:

- Survey work will be in accordance with Rule 5J-17, Florida Administrative Code, pursuant to Chapter 472 of the Florida Statutes.
- Survey work shall adhere to the required work zone safety for each task.
- Vertical control will be based on the North American Vertical Datum of 1988 (NAVD88).
- Horizontal control will be based on the State Plane Coordinate System of 1983, Florida East Zone.

The CMAR Project Groups are as follows:

- CMAR Project Group #1:
 - a. Project #3, Russell Road (CR 209) – Sandridge Road to CR 315B -Survey of 2.70-mile project limits to extend 10 feet on either side of the acquired right of way and proposed pond sites. To include the realignment of Sandridge Rd with CR 209 B. Boundary survey for 3 affected parcels; update plat locations; Establish monumentation along plat boundary;
 - b. Project #4, Sandridge Road – Henley Road to Russell Road (CR 209) - Survey of 3.7-mile project limits to extend 10 feet on either side of the acquired right of way and proposed pond sites. Additional topo sites as required for pond site located at school; additional drainage information offsite for updated pond site; and roadway information updates; stakeout for land owner.
- CMAR Project Group #2:
 - a. Project #2, CR 209 – US 17 to CR 315B - Survey of 0.66-mile project limits to extend 10 feet on either side of the acquired right of way and proposed pond sites.
 - b. Project #5, CR 220 – Baxley Road to Henley Road - Survey of 1.28-mile project

limits to extend 10 feet on either side of the acquired right of way and proposed pond sites.

- c. Project # 6A, CR 315 (FCC) – US 17 to FCC (Project #6B) - Survey of 0.83-mile project limits to extend 10 feet on either side of the acquired right of way and proposed pond sites. Additional survey for additional pond sites and roundabout. Locate additional SUE designated by other for roundabout areas. Topo related to additional pond sites and boundary work for property affected.

The CMAR Wide Surveying Service Category and lump sum allocation is divided into the following described subcategories:

Right of Way Survey:

These Services are described as:

- Establish primary horizontal control.
- Establish primary vertical control.
- Survey of existing right of way will be based upon existing right of way maps if available and adjacent property descriptions (legal descriptions, plats, etc.).
- Right of way maps shall be created of the existing right of way to aid in the creation of property acquisitions, temporary construction easements, etc.
- Review existing right of way maps and locate existing control to determine current county right of way.

Topographic Survey:

These Services are described as:

- Establish secondary horizontal/vertical control for LiDAR scans and additional topo.
- LiDAR scan of Project corridor.
 - Task includes the data acquisition, post processing, and extraction.
- Topographic survey of obscured areas and pond sites.
 - Topographic limits to extend 10 feet past the right of way.
 - Drainage survey of existing structures.
 - Bridge survey (if applicable).
 - Channel survey (if applicable).
 - Jurisdiction line survey (wetlands as flagged by others).

**SERVICE CATEGORY 6 – PROGRAM WIDE CONSTRUCTION
ENGINEERING INSPECTION SERVICES (CEI)**

Category	Contract Amount
Inspection Services	\$4,449,068.84
Material Testing	\$ 177,425.00
Sub-Total CEI SERVICES	Lump Sum \$4,626,493.84

DESCRIPTION:

The CEI Services to be performed for the lump sum amount are set forth in the RFQ Scope of Services, Attachment B to the Agreement, and will be subcontracted out by the Owner Rep. The subcontractor’s services are intended to provide the professional services necessary to oversee the construction (by others) of all Bond Program Projects. Services are divided into construction inspection and material testing subcategories for the work effort being performed. Addendum No. 8 includes CEI services for CCUA utility adjustment work along Sandridge Rd (BTP Project No. 4) and Coordination with CCUA’s representative.

Inspection Services:

These Services will specifically include, but not be limited to:

- Review safety measures and perform daily safety review checklists; perform daily inspections and report deficiencies to contractor for immediate correction.
- Monitor contractors’ erosion control practices daily and measure pay item quantities daily.
- Inspect construction work and document the findings in the daily report of construction, review verification testing and perform monthly QC records to confirm appropriate testing and controls are performed and documented.
- Ensure contract compliance with plans, specifications, and other contract documents prior to the end of each shift.
- Conduct bi-weekly meetings with contractors and utility owners, resolve problems that arise in the field, and avoid claims by identifying potential conflicts early.
- Track the Critical Path Method (CPM) schedule during construction and make suggestions to get the Project(s) back on track if schedule is threatened.
- Monitor contractors’ performance on addressing the punch lists and monitor contractors’ completion of all of their obligations under the warranty periods of the contracts.

Material Testing:

These Services encompass the testing necessary to confirm compliance with design requirements for the materials such as concrete testing, asphalt testing, density and moisture testing, etc.

SERVICE CATEGORY 7 – PROGRAM WIDE REIMBURSABLES

Category	Contract Amount
Software Solutions (ProjectWise, Sharepoint, etc.)	\$33,600.00
Permitting Fees	\$20,000.00
Recording Fees	\$5,500.00
Legal Fees on behalf of the County	\$15,000.00
Direct Costs (printing, mileage, etc.)	\$20,000.00
Misc./ Other Direct Costs	\$59,762.48
Sub-Total Reimbursable	\$153,862.48

DESCRIPTION:

The Program Wide Reimbursables Service Category is to allocate funds for software, permitting fees, recording fees, legal fees on behalf of the County, certain direct costs and any other minor unforeseen associated reimbursable expense(s) as preapproved by the Program Administrator.

The Software Solutions subcategory is for the provision of programs such as ProjectWise and Sharepoint to manage the Bond Program documentation. Owner Rep agrees to grant up to 5 ProjectWise external licenses to Clay County for the length of the Owner Rep Agreement (up to 6 years). The current fee is \$280 a quarter/per license. These licenses can be used by up to 5 assigned staff members for use in connection with the Bond Program on WGI Data Source.

ATTACHMENT F
SCHEDULE OF
VALUES

Clay County Owner's Rep	1	2	3	4	5	6A	6B	
1) Program Wide Management	CR 218 -DB	CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)	FCC-6B (DB)	Check
Roadway Review (Support)	\$91,830.36	\$179,828.00	\$186,534.66	\$104,927.66	\$148,337.66	\$113,300.68	\$141,934.80	\$966,693.83
Drainage Reviews (Support)	\$70,833.34	\$96,041.65	\$71,917.32	\$68,797.46	\$71,928.77	\$39,966.05	\$126,229.48	\$545,714.07
Utility Verification (Support)	\$84,841.90	\$37,399.04	\$41,413.28	\$31,031.78	\$32,921.00	\$30,224.22	\$46,258.79	\$304,090.02
Geotech (Wood) Support	\$8,429.73	\$11,653.01	\$26,359.31	\$27,073.66	\$21,878.49	\$9,121.41	\$11,265.71	\$115,781.32
Public Involvement (GIS Support)	\$10,374.50	\$14,109.32	\$12,127.96	\$7,561.79	\$10,374.50	\$7,109.64	\$11,643.30	\$73,301.02
CRAS Survey (SEARCH)	\$16,261.28	\$28,890.57	\$29,661.80	\$37,071.50	\$12,089.10	\$28,197.17	\$31,551.91	\$183,723.33
Program Management	\$552,966.70	\$817,657.02	\$668,315.37	\$436,946.91	\$621,392.50	\$478,304.63	\$525,363.88	\$4,100,947.02
Project Controls (HDR)	\$92,315.89		\$108,338.91	\$0.00	\$89,893.00	\$0.00	\$96,932.21	\$387,480.01
Post Design (RFI, RFM, Etc.)	\$123,912.08							
Section 1 Sub-total	\$1,051,765.78	\$1,185,578.61	\$1,144,668.62	\$713,410.77	\$1,008,815.02	\$706,223.81	\$991,180.09	\$6,801,642.69

	1						6B	
2) Design Criteria Package (DB)	CR 218 -DBB						FCC-6B (DB)	Check
Survey (RW & Topo Survey)	\$164,628.42						\$265,218.73	\$429,847.15
Structures (Strain Poles)	\$10,138.16						\$137,085.02	\$147,223.18
Roadway Analysis and Plans	\$427,759.13						\$140,780.76	\$568,539.89
Drainage Plans	\$68,306.53						\$97,014.28	\$165,320.81
Geotech (WSP)	\$10,000.00						\$206,412.79	\$216,412.79
Drainage (Analysis and Permitting)	\$262,036.47						\$193,910.90	\$455,947.37
Wetland (Delineation)	\$83,066.76						\$160,185.90	\$243,252.66
CCUA Plans	\$36,791.32						\$0.00	\$36,791.32
S&PM, Signal, Lighting Analysis and Plans	\$80,390.41						\$0.00	\$80,390.41
Section 2 Subtotal	\$1,143,117.20						\$1,200,608.39	\$2,343,725.59

	1	2	3	4	5	6A	6B	
3) Program Wide Right of Way Acquisition	CR 218 -DB	CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)	FCC-6B (DB)	Check
Acquisition (WGI)	\$0.00	\$40,500.00	\$55,750.00	\$31,500.00	\$66,250.00	\$121,750.00	\$0.00	\$315,750.00
Acquisition (HDR)	\$232,590.00	\$264,599.28	\$334,366.19	\$217,015.05	\$270,591.00	\$614,738.11	\$0.00	\$1,933,899.63
Appraisal (CBRE)	\$0.00	\$205,920.00	\$204,187.75	\$36,560.00	\$238,518.36	\$262,039.30	\$0.00	\$947,225.41
Env-PH 1 (WGI)	\$32,000.00	\$37,209.60	\$29,023.46	\$24,048.00	\$24,640.00	\$16,885.79	\$0.00	\$163,806.85
Env-PH 2 (AES)	\$5,440.00	\$4,460.80	\$6,549.12	\$4,959.90	\$8,640.00	\$5,920.99	\$0.00	\$35,970.82
Legal Description	\$67,500.00	\$36,320.00	\$63,337.00	\$55,308.50	\$51,000.00	\$80,279.50	\$0.00	\$353,745.00
Env-PH 3 (ERS)	\$715.00	\$972.40	\$842.20	\$537.32	\$715.00	\$489.99	\$802.44	\$5,074.36
Title Search (Barrie)	\$0.00	\$2,100.00	\$2,250.00	\$600.00	\$4,200.00	\$2,700.00	\$0.00	\$11,850.00
Section 3 Subtotal	\$338,245.00	\$592,082.08	\$696,305.72	\$370,528.77	\$664,554.36	\$1,104,803.68	\$802.44	\$3,767,322.06

		2	3	4	5	6A		
4) CMAR Wide Stormwater and Environmental Strategy		CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)		Check
Stormwater Strategy		\$42,751.55	\$56,308.53	\$57,066.13	\$33,620.31	\$55,523.96		\$245,270.48
Wetland (Delineation)		\$79,386.85	\$103,518.90	\$87,479.47	\$70,654.90	\$50,446.56		\$391,486.69
Section 4 Subtotal		\$122,138.40	\$159,827.44	\$144,545.60	\$104,275.21	\$105,970.52		\$636,757.17

		2	3	4	5	6A		
5) CMAR Wide Surveying		CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)		Check
RW Survey		\$41,969.33	\$88,272.61	\$47,815.63	\$43,730.44	\$34,821.19		\$256,609.20
Topographic Survey		\$39,291.84	\$122,514.82	\$97,386.33	\$49,542.32	\$68,333.20		\$377,068.51
Section 5 Subtotal		\$81,261.17	\$210,787.43	\$145,201.96	\$93,272.76	\$103,154.39		\$633,677.71

	1	2	3	4	5	6A	6B	
6) Program Wide Construction Engineering Inspection (E&R, VIA, CSI, Alrod, WGI)	CR 218 -DB	CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)	FCC-6B (DB)	Check
Inspection	\$503,757.18	479,084.62	\$479,257.80	\$911,875.45	\$487,198.11	404,042.64	\$1,183,853.05	\$4,449,068.84

Amendment 8 adds \$119,658.61

	Material	\$25,000.00	\$34,000.00	\$29,447.50	\$18,787.50	\$25,000.00	\$17,132.50	\$28,057.50	\$177,425.00
	Section 6 Subtotal	\$528,757.18	\$513,084.62	\$508,705.30	\$930,662.95	\$512,198.11	\$421,175.14	\$1,211,910.55	\$4,626,493.84

		1	2	3	4	5	6A	6B	
7)	Program Wide Reimbursables	CR 218 -DB	CR 209 (Group 2)	CR 209 (Group 1)	Sandridge (Group 1)	CR 220 (Group 2)	CR 315-FCC-6A (Group 2)	FCC-6B (DB)	Check
	Reimburses	\$21,500.00	\$30,625.61	\$25,269.19	\$16,129.05	\$21,500.00	\$14,830.27	\$24,008.36	\$153,862.48
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Section 6 Subtotal	\$21,500.00	\$30,625.61	\$25,269.19	\$16,129.05	\$21,500.00	\$14,830.27	\$24,008.36	\$153,862.48

8)	Project Totals	\$3,083,385.16	\$2,524,770.49	\$2,745,563.69	\$2,320,479.10	\$2,404,615.46	\$2,456,157.81	\$3,428,509.82	\$18,963,481.53	Amendment 8 adds \$119,658.61
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ATTACHMENT H
ESTIMATED
WORK EFFORT

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT
CCUA Utility Adjustment Works - Along Sandridge from Henley Road to West of Russell Rd.)

Name of Project: Project #4 - Sandridge Rd from Henley Rd to CR 209
 County: Clay
 FPN: N/A
 FAP No.: N/A

Consultant Name: WGI, Inc.
 Consultant No.: 5613.04
 Date: 3/23/2023
 Estimator: C. Campos

Staff Classification	Total Staff Hours From "SH Summary -	Program Manager	Project Manager	Sr. Engineer	Engineer	Sr. Professional Surveyor	Professional Surveyor	Sr. Survey Tech	Survey Tech	Sr. Env. Scientist	Env. Scientist	Sr. Utility Coord.	Utility Coord.	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$259.43	\$234.65	\$251.81	\$200.18	\$176.75	\$155.02	\$117.03	\$101.41	\$212.99	\$101.78	\$190.65	\$151.07			
3. Project General and Project Common Tasks	96	38	58	0	0	0	0	0	0	0	0	0	0	96	\$23,468	\$244.46
Total Staff Hours	96	38	58	0	0	0	0	0	0	0	0	0	0	96		
Total Staff Cost		\$9,858.34	\$13,609.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$23,468.04	\$244.46

Check = \$23,468.04

Survey Field Days by Subconsultant 4 - Person Crew:
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Notes:

1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SALARY RELATED COSTS:				\$23,468.04
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
Survey (Field - if by Prime)	0	4-person crew days @	\$ 1,597.78 / day	\$0.00
SUBTOTAL ESTIMATED FEE:				\$23,468.04
E&R CEI				\$96,190.57
SUBTOTAL ESTIMATED FEE:				\$119,658.61
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$119,658.61
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$119,658.61

Project Activity 3: General Tasks

Estimator:

Project #4 - Sandridge Rd from Henley Rd to CR 209
N/A

Representing	Print Name	Signature / Date
Clay County	Ed Dendor	
WGI	Carlos Campos	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Preparing Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					0	
3.2	Interlocal Agreements	EA	1	12	12	Review Interloca and Coordination
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	0	0	
3.3.2	Review Contractors Quantites and Bid Price	LS	1	16	16	Validate Contractors Quantites & Unit Cost against FDOT Area 5 for Concurance
3.4	Contract Maintenance and Project Documentation	LS	1	12	12	Gather all Documents for Contract amendment to GAI and Kiewit
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	48	48	See listing below
3.7	RGB Plan Review	LS	1	8	8	Review RGB Plans for Quantity Concurance

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
3. Project Common and Project General Tasks Total					96	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Negotiations with Contractor on Price	EA	8	1	8	Negotiation of Bid Price Meetings
Weekly CEI Meetings	EA	26	1	26	Weekly meeting for 6 months
Change Order Review	EA	2	4	8	
Quaterly SLT Meetings	EA	0	5	0	
Value Engineering	EA	0	5	0	
MOT Workshop	EA	0	1	0	
Quantities Workshop	EA	0	1	0	
DRC Meetings	EA	0	1	0	
Developer Meetings	EA	0	1	0	
White Papers (Shared Use Pond Agreements)	EA	0	1	0	
Alternative Fundign Sources (Impact, Mobility, Grants)	EA	0	1	0	
Response to Public Request	EA	0	1	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	6	1	6	4 Field Reviews to Check on Progress
Total Project Manager Meetings		42		48	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

