



ENGINEERING SERVICES COMMITTEE MEETING AGENDA

Commission Chamber

Tuesday, February 24, 2026

1:10 PM

ENGINEERING SERVICES

- 1.** **Mr. Robert Sheffer** regarding the **Birdwell Road Bridge over Spirit Creek** was washed out 12 years ago and still has not been repaired. This is causing hardship, diminished property values, and, potential safety issues for residents. Furthermore, it constitutes violation of O.C.G.A 32-4-41 requiring Cities/Counties to maintain roads and bridges within their jurisdiction to insure safe and accessible passage.
- 2.** Motion to determine that portion of Montgomery Street as shown on the attached plat as Tract "D" and consisting of approximately .07 acre, has ceased to be used by the public to the extent that no substantial public purpose is served by it or that its removed from the county road system is otherwise in the best public interest, and a public hearing shall be held regarding the issue of abandonment pursuant to O.C.G.A. 32 -7-2, with the abandoned property to be quit-claimed to the appropriate party(ies).
- 3.** Approve entering into Intergovernmental Agreement (IGA) with the Georgia Department of Transportation (GDOT) for Traffic Signal Operations Program (SigOps) Coordination. Also, authorize Augusta Mayor and Clerk of Commission to execute IGA and its associated documents (electronic and hard copy). /AE
- 4.** Approve Construction Contract supplement (SA1) to Reeves Construction in the amount of \$1,500,000.00 for subsurface utilities conflicts & unsuitable material improvements construction for Transportation Investment Act (TIA) Project, Greene Street Improvements Project. Also, approve recapture \$440,072.00 from SPLOST IV (as listed under Financial Impact Section of this Agenda) and reallocate to Greene Street Project to cover utilities conflict construction partial cost. AE/ RFP 22-294
- 5.** Approve and award Construction Contract to The Reeves Construction Company in the amount \$1,824,495.70 for Jones Alley Improvement project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/ Bid 26-128
- 6.** Approve and award Construction Contract to The Reeves Construction Company in the amount Not to Exceed \$1,283,740.00 for roads repair related to Hurricane Helene storm damage project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/ Bid 26-138
- 7.** Approve contracting with Alfred Benesch & Company, Inc. (Benesch) to provide engineering services for Utilities Department's Cyber CoE Campus Sanitary Sewer Extension Phase 2 North Trunk project. (RFQ 24-132)

- 8.** Approve supplemental funding in the amount of \$202,250.00 for Cavanaugh & Associates to perform a 2026 Program Review and Analysis of the Utilities Department's Water Loss Program (22AUA120)
- 9.** **Discuss and approve** Engineering Workforce Upward Mobility Plan. **(Requested by Commissioner Brandon Garrett)**
- 10.** **Mr. Reginald Coney** regarding broken bridge on Birdwell Road which limit access to their church.
- 11.** Motion to **approve** the minutes of the February 10, 2026 Engineering Services Committee Meeting.



Engineering Services Committee

February 24, 2026

Birdwell Road Bridge over Spirit Creek

Department: N/A

Presenter: N/A

Caption: **Mr. Robert Sheffer** regarding the **Birdwell Road Bridge over Spirit Creek** was washed out 12 years ago and still has not been repaired. This is causing hardship, diminished property values, and, potential safety issues for residents. Furthermore, it constitutes violation of O.C.G.A 32-4-41 requiring Cities/Counties to maintain roads and bridges within their jurisdiction to insure safe and accessible passage.

Background: N/A

Analysis: N/A

Financial Impact: N/A

Alternatives: N/A

Recommendation: N/A

Funds are available in the following accounts: N/A

REVIEWED AND APPROVED BY: N/A

- Commission Meetings are held on the first and third Tuesday of each month, beginning at 1:00 PM.
- Committee Meetings are held on the second and last Tuesday of each month, beginning at 2:00 PM.

Click [here](#) to view the full Commission and Committee Calendar.

Meeting Type *

- Commission
- Public Safety Committee
- Public Services Committee
- Administrative Services Committee
- Engineering Services Committee
- Finance Committee

Meeting Date *

2/24/2026

Contact Information for Individual/Presenter Making the Request:

Name *

Robert Sheffer

Address *

861 Tyler Parkway, Grovetown, GA 30813

Telephone Number *

706-840-5859

Fax Number

Email Address *

rmshef@aol.com

Caption/Topic of Discussion to be placed on the Agenda: *

The Birdwell Road Bridge over Spirit Creek was washed out 12 years ago and still has not been repaired. This is causing hardship, diminished property values, and, potential safety issues for residents. Furthermore it constitutes violation of O.C.G.A 32-4-41 requiring Cities/Counties to maintain roads and bridges within their jurisdiction to insure safe and accessible passage. I would like there to be a discussion of the problem so that citizens could have some understanding of when this situation will be corrected.

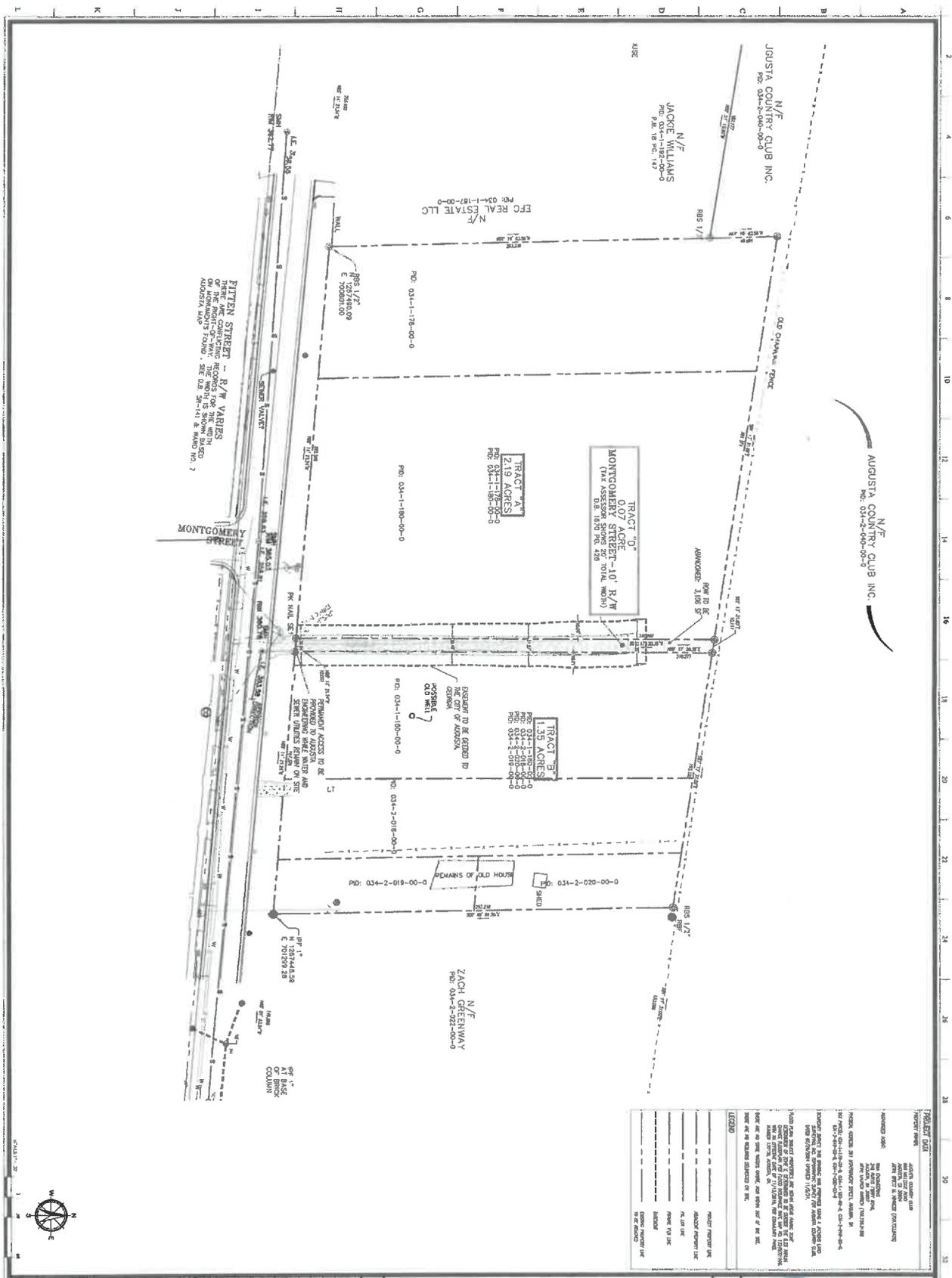
Requests must be received in the Clerk's Office no later than 9:00 a.m. on the Thursday preceding the Commission and Committee meetings of the following week. A five-minute time limit will be allowed for presentations.

Meeting location:

Lee N. Beard Commission Chamber, 2nd Floor
Augusta, GA Municipal Building
535 Telfair Street
Augusta, GA 30901

Submission Date

1/26/2026 5:25 PM



 <p>W&A ENGINEERING 248 Hug's Ferry Road Augusta, GA 30607 www.waengineering.com</p>	<p>MONTGOMERY STREET ROW ABANDONMENT AUGUSTA, GA</p>	<p>Project Name: _____ Client: _____ Date: _____ Comment: _____</p>	<p>ISSUE PURPOSE DATE: _____ ISSUE DATE: 01/14/2015</p>
<p>W&A PROJECT # 240191 ROW ABANDONMENT C212</p>	<p>Scale: 1" = 100'</p>	<p>North Arrow</p>	



Engineering Services Committee Meeting

2/24/2025 1:10PM

Determination of Montgomery Street for abandonment

Department:	Legal Department
Presenter:	Jim Plunkett
Caption:	Motion to determine that portion of Montgomery Street as shown on the attached plat as Tract "D" and consisting of approximately .07 acre, has ceased to be used by the public to the extent that no substantial public purpose is served by it or that its removed from the county road system is otherwise in the best public interest, and a public hearing shall be held regarding the issue of abandonment pursuant to O.C.G.A. 32 -7-2, with the abandoned property to be quit-claimed to the appropriate party(ies).
Background:	Engineering Department has been requested to abandon a portion of Montgomery Street. The abandonment request has been reviewed by all essential county departments and administrators and no objections were made to this abandonment request. Engineering noted that if there are any sewer or waterlines an easement would need to be signed. The legal description and plat of the portion of Montgomery Street to be abandoned are attached.
Analysis:	In addition to the information provided in the above Background section, publication notices will be made for a public hearing to be held, with results to be presented to the Commission. Notice to the property owners located thereon will be made, pursuant to O.C.G.A. §32-7-2(b)(1)
Financial Impact:	Cost of publication and advertisement of public hearing.
Alternatives:	Do not approve and Augusta maintains responsibility for the road.
Recommendation:	Approve the determination process to allow Engineering to review Montgomery Street for road abandonment process subject to Engineering Department's request for restrictions.
Funds are available in the following accounts:	N/A
<u>REVIEWED AND APPROVED BY:</u>	Law. Engineering. Planning. Fire.

**Intergovernmental Agreement
BETWEEN
THE GEORGIA DEPARTMENT OF TRANSPORTATION
AND
AUGUSTA, GEORGIA
FOR
TRAFFIC SIGNAL OPERATIONS PROGRAM (SigOps) COORDINATION**

THIS AGREEMENT (“Agreement”) is made and entered into this ____ day of _____, 20__, (“Effective Date”) by and between the Georgia Department of Transportation (hereinafter “GDOT” or “DEPARTMENT”) an agency of the State of Georgia, and the CITY OF AUGUSTA LOCAL GOVERNMENT(hereinafter the “LOCAL GOVERNMENT”)(hereinafter sometimes individually referred to as “PARTY”, or collectively referred to as the “PARTIES”).

WHEREAS, the State of Georgia can benefit substantially through improved traffic signal operations; and

WHEREAS, cooperation and coordination across jurisdictional boundaries can improve efficiencies in traffic flow; and

WHEREAS, the DEPARTMENT has created a Statewide Traffic Signal Operations Program, SigOps, (hereinafter the “PROGRAM”) to actively manage and monitor traffic signals across jurisdictional boundaries within the State of Georgia through the use of applications, software, telecommunications, and other advanced technologies commonly known as intelligent transportation systems (“ITS”); and

WHEREAS, the PROGRAM will include management and monitoring of traffic signals that the LOCAL GOVERNMENT is responsible for operating and maintaining; and

WHEREAS, the PROGRAM’s vision statement is to provide consistent, safe, reliable, and secure travel through improved traffic signal operations (“VISION STATEMENT”).

NOW THEREFORE, the DEPARTMENT and the LOCAL GOVERNMENT, governmental entities of the State of Georgia, pursuant to Article IX, Section III, Paragraph I (a) of the Constitution of the State of Georgia of 1983, are authorized to enter into this intergovernmental agreement, and in consideration of mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the LOCAL GOVERNMENT hereby agree as follows:

I. RESPONSIBILITIES

- a. The LOCAL GOVERNMENT shall cooperate with the DEPARTMENT and the DEPARTMENT shall cooperate with the LOCAL GOVERNMENT to share access to data gained from traffic signals through ITS.

- b. The DEPARTMENT will maintain and update traffic signal timing in coordination with the LOCAL GOVERNMENT in a manner consistent with the VISION STATEMENT of the PROGRAM. The DEPARTMENT will coordinate with the LOCAL GOVERNMENT prior to making adjustments that will substantially impact the normal operation of traffic signals.
- c. The LOCAL GOVERNMENT will remain responsible for maintenance, repair, and upgrades for the traffic signals and will retain responsibility for any and all emergency maintenance. The DEPARTMENT may assist with the maintenance, repair, and upgrades of traffic signals and other activities needed to improve and optimize traffic signal operations and performance upon LOCAL GOVERNMENT request.
- d. The DEPARTMENT may assist the LOCAL GOVERNMENT with remote monitoring, notification, and remediation of traffic signal and ITS malfunctions within the LOCAL GOVERNMENT's jurisdiction.
- e. During special events and/or occurrences, including planned events, unplanned events, severe weather, and emergency events, the DEPARTMENT will coordinate with the LOCAL GOVERNMENT to gain temporary access to additional traffic signals and ITS in order to provide active traffic management.
- f. Nothing contained in this Agreement shall be deemed to alter the responsibility of the LOCAL GOVERNMENT for responding and making adjustments to traffic signals to protect the safety of the traveling public. The LOCAL GOVERNMENT shall report all adjustments to the DEPARTMENT within five (5) calendar days of the adjustment.
- g. The LOCAL GOVERNMENT shall provide feedback about the traffic signals and traffic operations, including citizen complaints, to the DEPARTMENT.
- h. The DEPARTMENT will fund 100% of the cost for the PROGRAM.
- i. The PARTIES shall cooperate to determine the extent of PROGRAM involvement in the LOCAL GOVERNMENT's operation and maintenance of traffic signals in its jurisdiction to be covered in this Agreement. As the PROGRAM develops, the PARTIES may modify the PROGRAM's level of involvement in local traffic signal operations and maintenance under this Agreement.

II. DURATION

This Agreement shall become effective upon its execution by the PARTIES and shall continue for ten (10) years from the Effective Date, unless otherwise extended by mutual consent of the PARTIES in writing or terminated earlier pursuant to Section III of this Agreement.

III. TERMINATION

- a. Termination for Convenience: Either PARTY may terminate this Agreement for any reason upon providing sixty (60) days' advanced written notice to the other PARTY.
- b. Immediate Termination: This Agreement will terminate immediately and absolutely if the DEPARTMENT determines that adequate funds are no longer available for GDOT to satisfy its obligations.
- c. Termination for Breach: Should either PARTY fail to comply with any of its responsibilities contained in this Agreement, then other PARTY shall provide written notice to that PARTY requesting that the breach or noncompliance be remedied within fourteen (14) days of receipt written notice. If the breach or noncompliance is not remedied within the 14-day cure period, the PARTY shall have the option to immediately terminate this Agreement without additional written notice.

IV. AMENDMENTS

Any and all modifications to this Agreement shall be by mutual consent in writing by the PARTIES. The Parties shall execute extension(s) of time or changes to scope in writing with the same formality as the execution of the original Agreement.

V. NOTICES

Any notices, requests, demands and other communications which may be required hereunder shall be in writing and shall either be mailed or transmitted by either first class United States certified mail, return receipt requested; delivery by carrier or personally delivered to the appropriate Party; or facsimile transmission:

Georgia Department of Transportation
 935 United Avenue
 Atlanta, GA 30316
 Attn: State Traffic Engineer
 Phone: 404-635-2800
 Email:

LOCAL GOVERNMENT
 Address: 452 Walker Street, STE110, Augusta, GA 30901
 Attn: Director Augusta Engineering
 Phone: (706)796-5068
 Email: hmalik@augustaga.gov

VI. GENERAL PROVISIONS

- a. **ASSIGNMENT**. The PARTIES hereto will not transfer or assign all or any of their rights, titles or interests hereunder or delegate any of their duties or obligations hereunder without the prior written consent of the other PARTY, which consent will not be unreasonably withheld.

- b. **NON-WAIVER.** No failure of either PARTY to exercise any right or power given to such party under this Agreement, or to insist upon strict compliance by the other PARTY with the provisions of this Agreement, and no custom or practice of either party at variance with the terms and conditions of this Agreement, will constitute a waiver of either PARTY's right to demand exact and strict compliance by the other PARTY with the terms and conditions of this Agreement.
- c. **NO THIRD PARTY BENEFICIARIES.** Nothing contained herein shall be construed as conferring upon or giving to any person, other than the PARTIES hereto, any rights or benefits under or by reason of this Agreement.
- d. **SOVEREIGN IMMUNITY.** Notwithstanding any other provision of this Agreement to the contrary, no term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protection, or other provisions under the Georgia Constitution or the United States Constitution.
- e. **CONTINUITY.** Each of the provisions of this Agreement will be binding upon and inure to the benefit and detriment of the PARTIES and the successors and assigns of the PARTIES.
- f. **TIME OF THE ESSENCE.** All time limits stated herein are of the essence of this Agreement.
- g. **WHEREAS CLAUSE.** The Whereas Clauses herein are a part of this Agreement and are incorporated herein by reference.
- h. **SEVERABILITY.** If any one or more of the provisions contained herein are for any reason held by any court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability will not affect any other provision hereof, and this Agreement will be construed as if such invalid, illegal or unenforceable provision had never been contained herein.
- i. **CAPTIONS.** The brief headings or titles preceding each provision hereof are for purposes of identification and convenience only and should be completely disregarded in construing this Agreement.
- j. **GOVERNING LAW.** This Agreement will be governed, construed under, performed, and enforced in accordance with the laws of the State of Georgia.
- k. **RISK ALLOCATON.** Each Party shall conduct its own functions under this Agreement in accordance with state law at its sole cost, risk and responsibility.
- l. **INTERPRETATION.** Should any provision of this Agreement require judicial interpretation, it is agreed that the court interpreting or construing the same shall not apply a presumption that the terms hereof shall be more strictly construed against one

PARTY by reason of the rule of construction that a document is to be construed more strictly against the PARTY who itself or through its agent prepared the same, it being agreed that the agents of all PARTIES have participated in the preparation hereof.

- m. **EXECUTION IN COUNTERPARTS.** This Agreement may be executed in any number of counterparts with the same effect as if all Parties had all signed the same document. All counterparts will be construed together and will constitute one Agreement.
- n. **AUTHORITY/SIGNATURE.** The individuals executing this Agreement on behalf of each PARTY represents that they are authorized to execute this Agreement on behalf of their respective entities, and to bind such PARTY to the terms and conditions of this Agreement.
- o. Pursuant to O.C.G.A. Sec. 50-5-85, LOCAL GOVERNMENT 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.
- p. **ENTIRE AGREEMENT.** This Agreement supersedes all prior negotiations, discussion, statements and agreements between the PARTIES and constitutes the full, complete and entire agreement between the PARTIES with respect hereto; no member, officer, employee or agent of either PARTY has authority to make, or has made, any statement, agreement, representation or contemporaneous agreement, oral or written, in connection herewith, amending, supplementing, modifying, adding to, deleting from, or changing the terms and conditions of this Agreement. No modification of or amendment to this Agreement will be binding on either PARTY hereto unless such modification or amendment will be properly authorized, in writing, properly signed by both PARTIES.

The remainder of this page intentionally left blank.

Signatures are on the following page.

IN WITNESS WHEREOF, the DEPARTMENT and the LOCAL GOVERNMENT have caused these presents to be signed, sealed and delivered all as of the date hereof.

Georgia Department of Transportation

Augusta, Georgia

Commissioner

Mayor

ATTEST:

Witness

Signed, Sealed & Delivered

This ____ Day of _____, 20__.
in the presence of:

Signed, Sealed & Delivered

This ____ Day of _____, 20__.
in the presence of:

NOTARY PUBLIC

NOTARY PUBLIC



Engineering Services Committee Meeting

Meeting Date: February 17, 2026

Augusta/Richmond County Traffic Signals Operations Program

GDOT & Augusta, Georgia Intelligent Transportation Systems Coordination

File Reference: 26 – 014(A)

Department:	Engineering & Environmental Services
Presenter:	Dr. Hameed Malik, Director
Caption:	Approve entering into Intergovernmental Agreement (IGA) with the Georgia Department of Transportation (GDOT) for Traffic Signal Operations Program (SigOps) Coordination. Also, authorize Augusta Mayor and Clerk of Commission to execute IGA and its associated documents (electronic and hard copy). /AE
Background:	GDOT has created a Statewide Traffic Signal Operations Program, SigOps, (“PROGRAM”) to actively manage and monitor traffic signals across jurisdictional boundaries within the State of Georgia through the use of applications, software, telecommunications, and other advanced technologies commonly known as intelligent transportation systems (“ITS”). The PROGRAM will include management and monitoring of traffic signals that the local government is responsible for operating and maintaining. The PROGRAM’s vision statement is to provide consistent, safe, reliable, and secure travel through improved traffic signal operations.
Analysis:	GDOT and Augusta Engineering has ongoing Traffic ITS operations coordination. GDOT assisted by providing additional funds to complete implementation of TIA funded Augusta Traffic ITS Program Phase 1, including Traffic Management Center (TMC). Under IGA, GDOT may assist with the maintenance, repair, and upgrades of traffic signals and other activities needed to improve and optimize traffic signal operations and performance upon Augusta request. GDOT may also assist Augusta with remote monitoring, notification, and remediation of traffic signal and ITS malfunctions within its jurisdiction.
Financial Impact:	N/A. IGA enables Augusta receiving GDOT assistance with its Traffic ITS operations.
Alternatives:	Not proposed.

Recommendation: Approve entering into Intergovernmental Agreement (IGA) with the Georgia Department of Transportation (GDOT) for Traffic Signal Operations Program (SigOps) Coordination. Also, authorize Augusta Mayor and Clerk of Commission to execute IGA and its associated documents (electronic and hard copy). /AE

Funds are available in the following accounts: N/A

REVIEWED AND APPROVED BY: HM/sr



Hameed Malik, Ph.D., P.E., Director

MEMORANDUM

TO: Andy Penick, Director Procurement

FROM: *HM* Hameed Malik, Ph.D., PE, Director- Engineering & Environmental Services

DATE: Monday, February 9, 2026

SUBJECT: Greene Street Improvements Project (5th Street to East Boundary)
TIA Project Number: RC07-000117/PI# 001389
Bid: 22-294
File Reference: 25-014(A)

Augusta Engineering & Environmental Services Department (AE) is seeking Augusta Commission approval of adding funds to in progress Greene Street construction. The project is under construction and roadway improvements are in progress. Present construction zone is historic old town corridor. It is Old Town corridor with aging infrastructure and historically area served by combined sewer system. During construction unforeseen multiple subsurface utilities conflicts encountered requiring mitigation to complete road improvements. This is supplement construction to primary contacted improvements and its completion with road improvements is necessary for safe management of respective services and safe construction of road improvements. To ensure continuity of construction activity and resolving utilities conflicts as these encountered is cost effective timely mitigation measure keeping construction on its completion primary schedule. Funds added to cover cost of aforementioned conflicts presently encountered during roadway improvements construction and completed. Due to unknown nature of encountered conflicts, it was not feasible to determine conflicts complexity, locations, and magnitude; hence determine associated construction cost in advance was not viable option.

Thank you.



Engineering Services Committee Meeting

Meeting Date: February 17, 2026

Greene Street Improvements Project

TIA Project Number: RC07-000117 / PI#0011389

RFP #22-294

File Reference: 26-014 (T)

- Department:** Engineering & Environmental Services
- Presenter:** Dr. Hameed Malik, Director
- Caption:** Approve Construction Contract supplement (SA1) to Reeves Construction in the amount of \$1,500,000.00 for subsurface utilities conflicts & unsuitable material improvements construction for Transportation Investment Act (TIA) Project, Greene Street Improvements Project. Also, approve recapture \$440,072.00 from SPLOST IV (as listed under Financial Impact Section of this Agenda) and reallocate to Greene Street Project to cover utilities conflict construction partial cost. AE/ RFP 22-294
- Background:** The Greene Street Improvements are projects from the “Approved Investment List” of TIA that was approved by voters of the CSRA on July 31, 2012 referendum. This is Band 3 project. The improvements consist of improving roadway safety by resurfacing, reconstructing the existing curb and gutter, replacing sidewalks and improving the storm water system. Improvements also include James Brown Linear Park. The project will improve pedestrian safety at intersections with new high visibility crosswalks. New street landscaping and lighting will be provided, where possible, to enhance pedestrian use and improvement of roadway aesthetics. The Project is divided into two Segments; one is 5th Street to East Boundary and other is 13th Street to 5th Street.
- On December 6, 2022, Augusta Commission awarded the project construction contract to Reeves Construction. The project is constructed in two phases. Presently the roadway segment between 5th Street to East Boundary is in-construction. It is in the Old Town corridor with aging infrastructure and historically the area was served by the combined sewer system. During construction unforeseen multiple subsurface utilities conflicts were encountered, requiring mitigation to complete road improvements. This is a supplement construction to the primary contacted improvements and its completion with road improvements is necessary for safe management of respective services and safe construction of road improvements.

Analysis: The project is under construction and roadway improvements are in progress. Additional identified supplement work is critical for completing roadway improvements for roadway operation and safety. Funds are added to maintain project construction schedule and resolved the aforementioned conflicts presently encountered. Reeves Construction submitted unit cost was analyzed and determined to be reasonable and cost effective for the type of work being performed.

Financial Impact: Funds are available in amount of \$1,500,000.00 available as follows

Projects TIA Funds	\$400,000.00
SPLOST VIII – Grading & Drainage	\$211,000.00
SPPLOST VIII- Resurfacing	\$100,000.00
SPLOST IV (Recaptured funds/Berckmans Rd Utilities Relocation)	\$105,050.00
SPLOST IV (Recaptured funds/Utilities Funds)	\$317,607.00
SPLOST IV (Recaptured funds/ Utilities Resurfacing Road)	\$17,415.00
Augusta Utilities Funds (516043410-5414110/82500040-5414110)	\$350,000.00

Alternatives: 1) Do not approve and find alternative to complete utilities conflicts and unsuitable material supplemental construction and meet TIA project completion schedule.

Recommendation: Approve Construction Contract supplement (SA1) to Reeves Construction in the amount of \$1,500,000.00 for subsurface utilities conflicts & unsuitable material improvements construction for Transportation Investment Act (TIA) Project, Greene Street Improvements Project. Also, approve recapture \$440,072.00 from SPLOST IV (as listed under Financial Impact Section of this Agenda) and reallocate to Greene Street Project to cover utilities conflict construction partial cost. AE/ RFP 22-294

Funds are available in (\$1,500,000) the following accounts:
400,000 – 371041110-54.14110 / T15040117-54.14110 TIA Funds
211,000 – 330044320-52.23110 SPLOST 8 Grading & Drainage
100,000 – 330041120-54.14110/222830908-54.14110 SPLOST 8 Resurfacing
105,050 –324043510-54.144110/219634707-54.14110 Berckmans Rd Utilities Recaptured funds
317,600 – 324041110-54.14110 Recapture-Utilities project
16,350 – 324041110-54.14110 Utilities-Resurfacing Roads Recaptured funds
350,000 – 516043410-54.14110/825000040-54.14110 AUD funds

REVIEWED AND APPROVED BY: HM/sr



Engineering Services Committee Meeting

Meeting Date: February 17, 2026

Jones Alley Improvements Project

Bid #26-128

File Reference: 26-014 (A)

Department: Engineering & Environmental Services

Presenter: Dr. Hameed Malik, Director

Caption: Approve and award Construction Contract to The Reeves Construction Company in the amount \$1,824,495.70 for Jones Alley Improvement project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/ Bid 26-128

Background: This project is primarily funded through the state grant. The purpose of this project is to enhance the functionality and aesthetically improve the area around the Augusta Commons by enhancing the connectivity to the Commons, Augusta Convention Center and other businesses around it and keeping traffic and pedestrian functionality as a top priority. Improvements includes Jones Alley widening & paving, sidewalks, lighting, building partial demolition for extending Jones connectivity to Augusta Commons. Construction also include limited building structural support reconstruction and building enclosure on both sides of the proposed roadway.

Analysis: Bids were received on January 28, 2026 with The Reeves Construction Company being the low responsible bidder. The bid results are as follow:

CONTRACTORS	BID
1. Reeves Construction Company	\$1,824,495.00

It is the recommendation of the Engineering to award this project to Reeves Construction Company.

Financial Impact: Funds are in amount of \$1,824,495.70 available as follow:

State Grant Project Funds:	\$1,606,336.00
Engineering SPLOSt8-Resurfacing:	\$118,159.70
Engineering SPLOST8-Grading & Drainage:	\$100,000.00

Alternatives: Do not approve and abandon the project.

Recommendation: Approve and award Construction Contract to The Reeves Construction Company in the amount \$1,824,495.70 for Jones Alley Improvement project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/ Bid 26-128

Funds are available in (\$1,824,495.70)

the following accounts: 1,606,336.00 – 220013211-54.14110 State Grant Project Funds
118,159.70 – 330041120-54.14110 SPLOST 8 Resurfacing
100,000 – 330044320-52.23110/222830907-52.23110 SPLOST 8 Grading & Drainage

REVIEWED AND
APPROVED BY: HM/sr

Invitation to Bid

Sealed bids will be received at this office until **Monday, January 21, 2026 @ 3:00 p.m. and will be opened publicly. Opening may also be viewed via Teams: Meeting ID: 225 967 435 720 31; Passcode: uB2NU7Hw** for furnishing:

Bid Item #26-128 Jones Alley Improvements Project for Augusta, GA – Augusta Engineering and Environmental Services Department
Bids will be received by Augusta, GA Commission hereinafter referred to as the OWNER at the offices of **Andy Penick, Procurement Director**. No bid will be accepted by email; all bids must be received by mail or hand delivered. All submittals must be received during our normal office hours from 8:30 a.m. to 5:00 p.m., Monday through Friday.

Bid documents may be examined at the office of the Augusta, GA Procurement Department, 535 Telfair Street – Suite 605, Augusta, GA 30901 (706-821-2422). **Plans and specifications for this project shall be obtained by all prime, subcontractors and suppliers exclusively from Augusta Blueprint. There is a non-refundable fee of \$125.00 for the plans and specifications for this project. Addenda will also be posted on the plan room's websites.**

It is the wish of the Owner that all businesses are given the opportunity to submit on this project. To facilitate this policy the Owner is providing the opportunity to view plans online (www.augustablue.com) at no charge through Augusta Blueprint (706-722-6488) beginning **Thursday, December 4, 2025**. Bidders are cautioned that submitting a package without Procurement of a complete set are likely to overlook issues of construction phasing, delivery of goods or services, or coordination with other work that is material to the successful completion of the project.

Mandatory pre-bid conference will held on Tuesday, January 6, 2026 @ 11:00 a.m. at 452 Walker Street; Augusta, GA 30901 on the Second Floor, in the Hicks Conference Room with an optional site visit to follow. Parking for the conference room is available on the Northside of the building. Please contact Tevia Brown at (706) 796-5069 in advance.

Questions, request for clarifications or interpretations regarding this Bid must be submitted to the Procurement Department:

Augusta Procurement Department
Attn: Tywana Scott
535 Telfair Street - Room 605
Augusta, Georgia 30901
Phone: 706-821-2422
Email: procbidandcontract@augustaga.gov

All request for clarifications or interpretations must for this bid must be submitted in writing by electronic email to procbidandcontract@augustaga.gov to the Procurement Department on or before the close of business Wednesday, January 7, 2026 @ 5:00 P.M.

No bids may be withdrawn for a period of ninety (90) days after bids have been opened, pending the execution of contract with the successful bidder. **A 5% Bid bond is required to be submitted along with the bidders' qualifications. A 100% performance bond and a 100% payment bond will be required for award**

Invitation for bids and specifications. An invitation for bids shall be issued by the Procurement Office and shall include specifications prepared in accordance with Article 4 (Product Specifications), and all contractual terms and conditions applicable to the procurement. **All specific requirements contained in the invitation to bid including, but not limited to, the number of copies needed, the timing of the submission, the required financial data, and any other requirements designated by the Procurement Department are considered material conditions of the bid which are not waivable or modifiable by the Procurement Director.** All requests to waive or modify any such material condition shall be submitted through the Procurement Director to the appropriate committee of the Augusta, Georgia Commission for approval by the Augusta, Georgia Commission. Please mark BID number on the outside of the envelope.

GEORGIA E-Verify and Public Contracts: The Georgia E-Verify law requires contractors and all sub-contractors on Georgia public contract (contracts with a government agency) for the physical performance of services over \$2,499 in value to enroll in E-Verify, regardless of the number of employees. They may be exempt from this requirement if they have no employees and do not plan to hire employees for the purpose of completing any part of the public contract. Certain professions are also exempt. All requests for proposals issued by a city must include the contractor affidavit as part of the requirement for their bid to be considered.

TITLE VI

Augusta in accordance with Title VI of the Civil Rights Act of 1964 and 78 Stat. 252, 42 USC 2000d—42 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, part 21, Nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award.

Bidders are cautioned that acquisition of BID documents through any source other than the office of the Procurement Department is not advisable. Acquisition of BID documents from unauthorized sources placed the bidder at the risk of receiving incomplete or inaccurate information upon which to base his qualifications.

No bid will be accepted by email; all bids must be received by mail or hand delivered.

Publish:

Augusta Chronicle

December 4, 11, 18, 25, 2025



**BID Opening: BID Item #26-128 Jones Alley Improvements Project
for Augusta, GA - Augusta Engineering and Environmental Services Department
BID Date: Wednesday, January 28, 2026 @ 3:00 p.m.**

**Total Number Specifications Mailed Out: 16
Total Number Specifications Download (Demandstar): 8
Total Electronic Notifications (Demandstar): 351
Georgia Procurement Registry: 2070
Pre-Bid Conference Attendees: 16
Total Packages Submitted: 1
Total Non-Compliant: 0**

Vendors	Attachment "B"	Addendum 1 & 2	E-Verify Number	SAVE Form	Bid Bond	Bid Total
Reeves Construction Co. 1 APAC Industrial Way Augusta, GA 30907	Yes	Yes	667047	Yes	Yes	\$1,824,495.70



Hameed Malik, Ph.D., P.E., Director

MEMORANDUM

TO: Andy Penick, Procurement Director

FROM:  Hameed Malik, Ph.D., PE, Director- Engineering & Environmental Services

DATE: February 11, 2025

SUBJECT: Jones Alley Improvements Project
For Augusta, GA -Engineering Department
Bid: 26-128
File Reference: 26-014(A)

It is recommendation of Augusta Engineering to award Bid 26-128 (Jones Alley Improvements Project) to the lowest qualified bidder, Reeves Construction Company (Reeves). Contract award will be contingent upon The Reeves submitting all required documents such as bid bonds, insurance documents. Accordingly, Augusta Engineering will prepare bid contract award agenda item for Augusta Commission approval.

Should you require additional information, please do not hesitate to contact me at (706)796-5040.

Thank you.

/hm

cc: Nancy Williams, Procurement Department
June Hamal, AE Associate Director-Construction & Program Delivery
Program File



**BID Opening: BID Item #26-128 Jones Alley Improvements Project
for Augusta, GA - Augusta Engineering and Environmental Services Department
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Reeves Construction Co. 1 APAC Industrial Way Augusta, GA 30907	Yes	Yes	667047	Yes	Yes	\$1,824,495.70

SECTION 4: BID PROPOSAL

Date: 1/28/2026

Gentlemen:

In compliance with your invitation for bids dated 11/24/2025, 2026, the undersigned hereby proposed to furnish all labor, equipment, and materials, and to perform all work for the installation of roadway improvements, and appurtenances referred to herein as:

Jones Alley Improvements Project

In strict accordance with the Contract Documents and in consideration of the amounts shown on the Bid Schedule attached hereto and totaling:

One Million Eight Hundred Twenty-Four Thousand Four Hundred Ninety-Five Dollars & 70/100 Cents DOLLARS
(\$ 1,824,495.70)

The undersigned hereby agrees that, upon written acceptance of this bid, he will within 10 days of receipt of such notice execute a formal contract agreement with the OWNER, and that he will provide the bond or guarantees required by the Contract Documents.

The undersigned hereby agrees that, if awarded the contract, he will commence the work within 10 calendar days after the date of written notice to proceed, and that he will complete all work within 230 (based on start of 3/15/2026 finish 10/31/2026) calendar days.

The undersigned acknowledges receipt of the following addenda:

Addendum Number:
1
2

Addendum Date:
1/12/2026
1/20/2026

Respectfully submitted:

Reeves Construction Company
(Name of the Firm)

1 APAC Industrial Way Augusta, GA 30907
(Business Address)

By: [Signature]

Title: Region Manager



AUGUSTA ENGINEERING DEPARTMENT
Jones Alley Improvements Project

PAY ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL PRICE
001-1000	FORCE ACCOUNT	1	LS	\$250,000.00	\$250,000.00
005-0002	INSTALLATION OF LIGHTING FACILITIES AND ELECTRICAL WORK (PRICE INCLUDES ALL MATERIALS FOR INSTALLATION AND RELATED)	1	LS	\$239,000.00	\$239,000.00
150-1000	TRAFFIC CONTROL	1	LS	\$129,500.00	\$129,500.00
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS, INCL MAINTENANCE	1	EA	\$2,130.00	\$2,130.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP, INCL MAINTENANCE- PIGS	4	EA	\$410.00	\$1,640.00
163-0551	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP, INCL MAINTENANCE- FILTER FABRIC	4	EA	\$400.00	\$1,600.00
163-0552	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP, INCL MAINTENANCE- LOW PROFILE	19	EA	\$445.00	\$8,455.00
171-0030	TEMPORARY SILT FENCE, TYPE C, INCL MAINTENANCE	260	LF	\$13.50	\$3,510.00
210-0100	GRADING COMPLETE (INCL AS-BUILT SURVEY)	1	LS	\$402,000.00	\$402,000.00
310-5080	GRAGGR BASE CRS, 8 INCH, INCL MATL	740	SY	\$40.00	\$29,600.00
402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	192	TN	\$140.25	\$26,928.00
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	82	TN	\$218.00	\$17,876.00
413-0750	TACK COAT	192	CL	\$3.10	\$595.20
432-0208	MILL ASPH CONC PVMT, 2 IN DEPTH	900	SY	\$5.00	\$4,500.00
441-0104	CONC SIDEWALK, 4 IN	305	SY	\$112.00	\$34,160.00
441-4010	OGEE CURB AND GUTTER, 4 IN	121	LF	\$38.00	\$4,598.00
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	205	LF	\$35.00	\$7,175.00
500-3650	CLASS AA-1 CONCRETE	20	CY	\$600.00	\$12,000.00
550-5180	STORM DRAIN PIPE, 18 IN, CLASS III	575	LF	\$92.00	\$52,900.00
610-0007	BUILDING DEMOLITION AND RENOVATIONS (PRICE INCLUDES ALL MATERIALS FOR INSTALLATION AND RELATED INCLUDING BUT NOT LIMITED TO HAUL OFF MATERIAL, ELECTRICAL DEMO, CMU, GROUT, STEEL REINFORCEMENT, ASBESTOS TESTING, ETC.)	1	LS	\$230,000.00	\$230,000.00
652-0105	PAVEMENT MARKING, BIKE SHARED LANES SYMBOL	2	EA	\$300.00	\$600.00
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	2	EA	\$75.00	\$150.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	450	LF	\$3.50	\$1,575.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	18	LF	\$12.00	\$216.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE (INCL WHITE PAINTED CONCRETE BORDER FOR STAMPED ASPHALT SIDEWALK)	460	LF	\$4.00	\$1,840.00
653-2602	THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, YELLOW	395	LF	\$1.50	\$592.50
668-1100	CATCH BASIN, GP 1	2	EA	\$10,000.00	\$20,000.00
668-1101	CATCH BASIN, GP 1 - OGEE CURB GRATE	2	EA	\$10,000.00	\$20,000.00
668-1102	CATCH BASIN, GP 1 - 18" DIA ADA NYLOPLAST DOME	4	EA	\$10,000.00	\$40,000.00
668-4300	STORM SEWER MANHOLE, TP 1	3	EA	\$10,000.00	\$30,000.00
702-0365	ILEX CORNUTA BURFORDI - 10 GAL (DWARF BURFORD HOLLY)	48	EA	\$150.00	\$7,200.00
702-9025	LANDSCAPE MULCH	135	SY	\$115.00	\$15,525.00
900-0035	BRICK PAVERS SIDEWALK, INCL 6 IN TK CONC AND 6 IN TK GRAGGR BASE	1330	SF	\$60.00	\$79,800.00
900-0527	REMOVABLE BOLLARDS	8	EA	\$3,500.00	\$28,000.00
999-1500	INTEGRALLY COLORED HOT APPLIED SYNTHETIC ASPHALT (STAMPED ASPHALT WITH BRICK COLOR)	100	SY	\$210.00	\$21,000.00
999-5200	DETECTABLE WARNING SURFACE	48	SF	\$85.00	\$4,080.00
S-15	WATER MAIN CROSSINGS (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	3	EA	\$20,000.00	\$60,000.00
S-19	ADJUST MANHOLE TO GRADE, INCL. CONC MANHOLE COLLAR (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	8	EA	\$3,750.00	\$30,000.00
W-19	ADJUST WATER VALVE BOX TO GRADE (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	1	EA	\$3,750.00	\$3,750.00
W-20	ADJUST WATER METER TO GRADE (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	4	EA	\$500.00	\$2,000.00

GRAND TOTAL

\$1,824,495.70 One Million Eight Hundred Twenty-Four Thousand Four Hundred Ninety-Five Dollars & 70/100 Cents **DOLLARS**

GRADING COMPLETE: THE REMOVAL AND DISPOSAL OF ALL MISCELLANEOUS ROADWAY ITEMS, UTILITY ITEMS, AND DRAINAGE ITEMS (I.E. DEMOLITION ITEMS), SHALL BE INCLUDED IN THE ITEM OF GRADING COMPLETE, UNLESS OTHERWISE ESTABLISHED AS SEPARATE CONTRACT ITEMS. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE REMOVAL OF PAVEMENT, CONCRETE, CURBS, GUTTERS, DRAINAGE STRUCTURES, LIGHT POLES, CONCRETE FOUNDATIONS, ABANDONED UTILITIES, AND ANY OTHER MISCELLANEOUS REMOVAL ITEMS WHETHER SHOWN ON THE PLANS OR NOT. THE ITEM OF GRADING COMPLETE SHALL ALSO INCLUDE OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION NOT OTHERWISE SHOWN AS A SEPARATE PAY ITEM SUCH AS MOB/DEMOB, GENERAL CLEARING, CUT AND FILL, CONSTRUCTING SHOULDER AND SUBGRADE, SAWCUTTING, FINISH GRADING, CONSTRUCTION LAYOUT, THE HAULING AND DISPOSAL OF UNDESIRABLE OR SURPLUS MATERIALS, THE REMOVAL AND STORAGE OF SALVAGED MATERIALS, BONDS AND INSURANCE, ETC. ALL OF THIS WORK SHALL BE PAID FOR AS GRADING COMPLETE.

*****LS (LUMP SUM) – FOR ALL LUMP SUM ITEMS, ATTACH AN ITEMIZED BREAKDOWN OF LUMP SUM AMOUNT ON SEPARATE SHEET.**

AUGUSTA ENGINEERING DEPARTMENT
Jones Alley Improvements Project

ADD ALTERNATE #1						
GDOT NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	
REMOVE						
441-0104	CONC SIDEWALK, 4 IN	257	SY	\$(112.00)	\$(28,784.00)	
ADD						
900-0035	BRICK PAVERS SIDEWALK, INCL 6 IN TK CONC AND 6 IN TK GRAGGR BASE	2310	SF	\$60.00	\$138,600.00	
					ADDITIONAL COST: \$109,816.00	

ADD ALTERNATE #2						
GDOT NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	
REMOVE						
310-5080	GRAGGR BASE CRS, 8 INCH, INCL MATL	30	SY	\$(40.00)	\$(1,200.00)	
402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	10	TN	\$(140.25)	\$(1,402.50)	
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	4	TN	\$(218.00)	\$(872.00)	
413-0750	TACK COAT	13	GL	\$(3.10)	\$(40.30)	
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE (INCL FOR WHITE BORDER OF STAMPED ASPHALT)	350	LF	\$(4.00)	\$(1,400.00)	
999-1500	INTEGRALLY COLORED HOT APPLIED SYNTHETIC ASPHALT (STAMPED ASPHALT WITH BRICK COLOR)	100	SY	\$(210.00)	\$(21,000.00)	
ADD						
500-3650	CLASS AA-1 CONCRETE	8.5	CY	\$1,100.00	\$9,350.00	
900-0035	BRICK PAVERS SIDEWALK, INCL 6 IN TK CONC AND 6 IN TK GRAGGR BASE	1050	SF	\$60.00	\$63,000.00	
					ADDITIONAL COST: \$46,435.20	

ADD ALTERNATE #3						
GDOT NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	
REMOVE						
402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	57	TN	\$(140.25)	\$(7,994.25)	
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	57	TN	\$(218.00)	\$(12,426.00)	
413-0750	TACK COAT	82	GL	\$(3.10)	\$(254.20)	
ADD						
301-5011	BLACK PIGMENT FOR PORTLAND CEMENT CONCRETE PAVING, 8 IN REINF CONC	510	SY	\$130.00	\$66,300.00	
					ADDITIONAL COST: \$45,625.55	

CONTINGENCY PAY ITEMS						
PAY ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	
611-5592	RELOCATE WATER METER	0	EA	\$10,000.00		
670-9731	RELOCATE BACKFLOW PREVENTION ASSEMBLY	0	EA	\$10,000.00		
M-1	CDYS FLOWABLE FILL (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	0	CY	\$1,000.00		
M-2	CLASS B CONCRETE (3000 PSI) (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	0	CY	\$1,000.00		
W-5	INSTALL NEW FIRE HYDRANT (PRICE SHALL BE PER AUD UNITS AND MEASUREMENTS)	0	EA	\$10,000.00		
	UTILITY CONFLICT BOX	0	EA	\$25,000.00		

GRIFFIN CONTRACTING
ATTN: TROY DAVIS
122 PIPEMAKERS CIRCLE
SUITE 207
POOLER, GA 31322

ER SNELL CONTRACTOR
1785 OAK ROAD
SNELLVILLE, GA 30078

C&H PAVING
204 MAIN STREET
THOMSON, GA 30824

SUMMERS CONCRETE CONTRACTING, INC.
5538 COPPAGE ROAD
HAHIRA, GA 31832

ATC SITE CONSTRUCTION
614 BRIGHAM ROAD
NORTH AUGUSTA, SC 29841

BLAIR CONSTRUCTION
PO BOX 770
EVANS, GA 30809

C.W. MATTHEWS CONTRACTING
1600 KENVIEW DRIVE
MARIETTA, GA 30060

J & H GRADING & PAVING
1579 EDGEFIELD HIGHWAY
AIKEN, SC 29801

QUALITY PLUS SERVICES INC.
2929 QUALITY DRIVE
PETERBURG, VA 23805

PAVEWAY OF AUGUSTA/AIKEN
306 SILVER BLUFF RD.
AIKEN, SC 29803

REYNOLDS CONSTRUCTION
300 E. BROAD STREET
FAIRBURN, GA 30213

BEAM'S CONTRACTING
ATTN: DARRELL CAUDILL
15030 ATOMIC ROAD
BEECH ISLAND, SC 29842

GEARIG CIVIL WORKS
322 GRIMAUDE BLVD.
GROVETOWN, GA 30813

REEVES CONSTRUCTION
ATTN: GREG HAMILTON
1 APAC INDUSTRIAL WAY
AUGUSTA, GA 30907

JHC CORPORATION
15 FRESH BRU DRIVE
NEWNAN, GA 30263

GARNTO SOUTHERN CONSTRUCTION, LLC
ATTN: JASON GARNTO
4811 CLARK DRIVE
EVANS, GA 30809

Hameed Malik
Engineering & Environmental
Services

June Hamal
Engineering & Environmental Services

Yolanda Jackson
Compliance

Bid Item #26-128
Jones Alley Improvements Project
for Augusta, GA – Augusta Engineering and
Environmental Services Department
DUE: Mon., January 21, 2026 @ 3:00 p.m.

Bid Item #26-128
Jones Alley Improvements Project
for Augusta, GA – Augusta Engineering and
Environmental Services Department
Mailed: 12/4/2025

Tywanna Scott

From: bidnotice.donotreply@doas.ga.gov
Sent: Friday, December 5, 2025 10:55 AM
To: Tywanna Scott
Subject: [EXTERNAL] Confirmation of the Event Batch Email process - PE-72155-NONST-2026-000000168

Dear Tywanna Scott,
tscott@augustaga.gov

Please review the particulars of an event for 72155-AUGUSTA, CITY OF furnished below.

Event Number: PE-72155-NONST-2026-000000168
Event Title: 26-128 Jones Alley Improvements Project
Event Type: Non-State Agency

Process Log

2025/12/05 10:41:06 : Log starts for - 38377885 - EVENT_RELEASE_TO_SUPL
2025/12/05 10:41:24 : Email Process Log for the Event#: PE-72155-NONST-2026-000000168
2025/12/05 10:41:24 : Email Batch# 2512058784
2025/12/05 10:41:24 : Notification Type: EVENT_RELEASE_TO_SUPL
2025/12/05 10:42:55 : Bad Email not sent to tworiversrc&d@hotmail.com of TWO RIVERS RESOURCE CONSERVATION &
2025/12/05 10:51:52 : Bad Email not sent to ATTN: Trsargo Direct Procurement (trsargodirect@trsives.com) of Trsargo Direct
2025/12/05 10:54:47 : Total No of Contacts found for sending Email: 2072
2025/12/05 10:54:47 : No of Email(s) not sent due to Bad Email Address: 2

The sourcing event can be reviewed at:
<https://ssl.doas.state.ga.us/gpr/eventDetails?eSourceNumber=PE-72155-NONST-2026-000000168&sourceSystemType=gpr20>

12/05/2025 10:54:47 AM

[NOTICE: This message originated outside of the City of Augusta's mail system -- DO NOT CLICK on links, open attachments or respond to requests for information unless you are sure the content is safe.]

Planholders

Add Supplier

Export To Excel

Supplier (8)

Supplier	Download Date
Augusta Landworks Bush Hog & Tree Removal	01/08/2026
Beato Group. Inc.	12/05/2025
Caliber 1 Construction	12/05/2025
Dodge Data	12/05/2025
Onvia, Inc. - Content Department	12/05/2025
Primoris T&D Services	12/05/2025
Schofield Excavation Company LLC	12/22/2025
Triple R Paving	12/05/2025

Add Supplier

Supplier Details

Supplier Name	Augusta Landworks Bush Hog & Tree Removal
Contact Name	Tony Pearson
Address	2820 Fleming Dr (B) , Augusta, GA 30906
Email	augustalandworks@gmail.com
Phone Number	(70-6) -831-9948

Remove

Documents

Filename	Type	Action
26-128_ITB	Attachment	View History

Augusta Blueprint & Microfilm, Inc

#26-128 Jones Alley Improvements Project for Augusta, Georgia Augusta Engineering & Environmental Services Department

Set#	Rec'd By	Del	Shipped	Pick-Up	Email	Address	Phone	Fax
1	Construct Connect				X	3825 Edwards, Ste 800 Cincinnati, OH 45209 joan.bassett@constructconnect.com	905-752-5449	
2	Reeves Construction				X	1APAC Industrial Way Augusta, GA 30809 bcooper@reevescc.com	706-731-5230	706-731-8620
3	E.R. Snell				X	1785 Oak Road Snellville, GA 30078 kpollard@ersnell.com	770-985-0600	770-985-2957
4	QPS				X	1736 Lovers Lane Augusta, GA 30901 Jimmyh1@qpsbest.com	706-831-7191	
5	S. A. Brown				X	1200 McIntosh Street Vidalia, GA 30474 antonio@sabrownenterprises.com	912-293-6466	
6	JHC Corporation				X	15 Fresh Bru Dr Newnan, GA 30265 Melissa@jhccorporation.com	770-487-3258	770-487-4254

Budget Summary--When you have completed this budget worksheet, the totals for each category will transfer to the spaces below. The total costs and total project costs will be computed via Excel formula. Indicate the amount of grant funds required and the amount of non-grant funds that will support the project.

Item 5.

Budget Category	Amount
1. Personnel	\$0
2. Fringe Benefits	\$0
3. Travel	\$0
4. Equipment	\$0
5. Supplies	\$0
6. Contracts/Consultants/Subawards	\$1,605,760
7. Other	\$160,576
TOTAL	\$1,766,336



Engineering Services Committee Meeting

Meeting Date: February 17, 2026

Augusta Infrastructure-Road Repair Related to Hurricane Helene Storm Damage

Bid #26-138

File Reference: 26-014 (A)

- Department:** Engineering & Environmental Services
- Presenter:** Dr. Hameed Malik, Director
- Caption:** Approve and award Construction Contract to The Reeves Construction Company in the amount Not to Exceed \$1,283,740.00 for roads repair related to Hurricane Helene storm damage project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/ Bid 26-138
- Background:** This project is funded through the Federal Emergency Management Agency’s (FEMA) and focuses on restoring community safety, accessibility, and storm resilience following the severe impacts of Hurricane Helene. This Project addresses storm-related damage to road infrastructure across Augusta-Richmond County. The FEMA Infrastructure Repair Project focuses on repairing and replacing pavement that sustained damage due to severe weather, flooding, over rooting of trees and storm impacts. The work includes the removal and replacement of damaged road pavement, and site stabilization as needed.
- Analysis:** Bids were received on January 30, 2026 with The Reeves Construction Company being the low responsible bidder. The bid results are as follow:

CONTRACTORS	BID
1. Reeves Construction Company	\$1,283,740.00

It is the recommendation of the Engineering to award this project to Reeves Construction Company.
- Financial Impact:** Funds are available in this project FEMA approved amount (75% of actual cost) and Engineering SPLOST8-Resurfacing or GDOT committed funds for this work (25%).
- Alternatives:** Not proposed

Recommendation: Approve and award Construction Contract to The Reeves Construction Company in the amount Not to Exceed \$1,283,740.00 for roads repair related to Hurricane Helene storm damage project. Award is contingent upon receipt of signed contracts, proper bonds, and contract associated documents. AE/
Bid 26-138

Funds are available in the following accounts: (1,283,740) 962,805 – FEMA Reimbursement funds
320,935 – 330041120-54.14110 SPLOST 8 Resurfacing or
GDOT funds

REVIEWED AND APPROVED BY: HM/sr

Invitation to Bid

Sealed bids will be received at this office until **Wednesday, January 21, 2026 @ 11:00 a.m. and will be opened publicly. Opening may also be viewed via Teams: Meeting ID: 293 330 731 836 15; Passcode: Qn24Es6y** for furnishing:

Bid Item #26-138 Augusta Infrastructure-Road Repair Hurricane Helene Storm Damage for Augusta, GA – Augusta Engineering and Environmental Services Department

Bid documents may be obtained through the Augusta, Georgia web site under the Procurement Department **ARCbid, Euna OpenBids, or Georgia Procurement Registry**. Bid documents may also be obtained at the offices of Augusta, GA Procurement Department, 535 Telfair Street – Suite 605, Augusta, GA 30901 **(706-821-2422)**.

Bid documents may be examined at the office of the Augusta, GA Procurement Department, 535 Telfair Street – Suite 605, Augusta, GA 30901 **(706-821-2422)**. Bid documents may be obtained through the Augusta, Georgia web site under the Procurement Department **ARCbid, Euna OpenBids, and Georgia Procurement Registry**. Bid documents may also be obtained at the offices of Augusta, GA Procurement Department, 535 Telfair Street – Suite 605, Augusta, GA 30901 **(706-821-2422)**.

Mandatory Pre-Bid Conference will be held on Wednesday, January 7, 2026 @ 10:00 a.m. via Teams: Meeting ID: 255 221 210 667 39; Passcode: 2nc9Mv3t.

Questions, request for clarifications or interpretations regarding this Bid must be submitted to the Procurement Department:

Augusta Procurement Department
Attn: Jamye Mortley
535 Telfair Street - Room 605
Augusta, Georgia 30901
Phone: 706-821-2422
Email: procbidandcontract@augustaga.gov

All request for clarifications or interpretations must for this bid must be submitted in writing by electronic email to procbidandcontract@augustaga.gov to the Procurement Department on or before the close of business Thursday, January 8, 2026 @ 5:00 P.M.

No bids may be withdrawn for a period of ninety (90) days after bids have been opened, pending the execution of contract with the successful bidder. **A 5% Bid bond is required to be submitted along with the bidders' qualifications. A 100% performance bond and a 100% payment bond will be required for award.**

Invitation for bids and specifications. An invitation for bids shall be issued by the Procurement Office and shall include specifications prepared in accordance with Article 4 (Product Specifications), and all contractual terms and conditions applicable to the procurement. **All specific requirements contained in the invitation to bid including, but not limited to, the number of copies needed, the timing of the submission, the required financial data, and any other requirements designated by the Procurement Department are considered material conditions of the bid which are not waivable or modifiable by the Procurement Director.** All requests to waive or modify any such material condition shall be submitted through the Procurement Director to the appropriate committee of the Augusta, Georgia Commission for approval by the Augusta, Georgia Commission. Please mark BID number on the outside of the envelope.

GEORGIA E-Verify and Public Contracts: The Georgia E-Verify law requires contractors and all sub-contractors on Georgia public contract (contracts with a government agency) for the physical performance of services over \$2,499 in value to enroll in E-Verify, regardless of the number of employees. They may be exempt from this requirement if they have no employees and do not plan to hire employees for the purpose of completing any part of the public contract. Certain professions are also exempt. All requests for proposals issued by a city must include the contractor affidavit as part of the requirement for their bid to be considered.

Bidders are cautioned that acquisition of BID documents through any source other than the office of the Procurement Department is not advisable. Acquisition of BID documents from unauthorized sources placed the bidder at the risk of receiving incomplete or inaccurate information upon which to base his qualifications.

No bid will be accepted by email; all bids must be received by mail or hand delivered.

Publish:

Augusta Chronicle

December 11, 18, 24, 31, 2025



Bid Opening Item #26-138
Augusta Infrastructure-Road Repair Hurricane Helene Storm Damage
for Augusta, GA – Engineering Department
Bid Date: Friday, January 30, 2026 @ 11:00 a.m. via TEAMS

Total Number Specifications Mailed Out: 30
Total Number Specifications Download (Demandstar): 5
Total Electronic Notifications (Demandstar): 136
Georgia Procurement Registry: 1078
Pre-Bid Conference Attendees: N/A
Total packages submitted: 1
Total Non-Compliant: 0

VENDORS	Attachment "B"	Addendum 1 & 2	E-Verify Number	SAVE Form	Original & 1 USB Drive	Bid Bond	Bid Total
Reeves Construction Company 1 APAC Industrial Way Augusta, GA 30907	YES	YES	667047	YES	YES	YES	\$1,283,740.00

**ENGINEERING & ENVIR. SVCS. DEPARTMENT**

Hameed Malik, Ph.D., P.E., Director

MEMORANDUM

TO: Andy Penick, Procurement Director

FROM:  Hameed Malik, Ph.D., PE, Director- Engineering & Environmental Services

DATE: February 11, 2025

SUBJECT: Augusta Infrastructure-Road Repair Hurricane Helene Storm Damage
For Augusta, GA -Engineering Department
Bid: 26-138
File Reference: 26-014(A)

It is recommendation of Augusta Engineering to award Bid 26-138 (Augusta Infrastructure-Road Repair Hurricane Helene Storm Damage) to the lowest qualified bidder, Reeves Construction Company (Reeves). Contract award will be contingent upon The Reeves submitting all required documents such as bid bonds, insurance documents. Accordingly, Augusta Engineering will prepare bid contract award agenda item for Augusta Commission approval.

Should you require additional information, please do not hesitate to contact me at (706)796-5040.

Thank you.

/hm

cc: Nancy Williams, Procurement Department
June Hamal, AE Associate Director-Construction & Program Delivery
Program File

CONTRACT MANAGEMENT INC
1827 KILLINGSWORTH
AUGUSTA, GA. 30904

MURPHY BROS. CONSTRUCTION
P.O. BOX459
APPLING, GA. 30802

DJ CONSTRUCTION CO
611 SEA ISLE DRIVE
AUGUSTA, GA 30901

BEAMS CONTRACTING, INC.
15030 ATOMIC RD.
BEECH ISLAND, SC 29842

J & B CONSTRUCTION AND SERVICES, INC.
3550 GORDON HIGHWAY
GROVETOWN, GA 30813

LARRY MCCORD LLC DESIGN BUILD
2016 HIGHLAND AVE.
AUGUSTA, GA 30904

M & C LAWN CARE & MAIN SVCS LLC
ATTN CORY TYLER
3958 WRIGHTSBORO RD, SUITE C
AUGUSTA, GA 30909

BLOUNTS COMPLETE HOME
2907C TOBACCO ROAD
HEPHZIBAH, GA. 30815

HARRIS CONSTRUCTION
ATTN: JEFFERY HARRIS
1736 BARTON CHAPEL ROAD
AUGUSTA, GA. 30909

POND MAINTENANCE OF AUGUSTA
3707 COLBERT ST.
AUGUSTA, GA 30906

PCJ QUALITY ASSURANCE LLC
1072 PLUM ROAD
JACKSON, SC 29831

T. GARRETT ENTERPRISE LLC
2326 WALDEN DR. STE B.
AUGUSTA, GA 30904

HORIZON LANDSCAPE GROUP
4008 ENTERPRISE CT.
MARTINEZ, GA. 30907

BLAIR CONSTRUCTION
PO BOX 770
EVANS, GA. 30809

NOVA
ATTN. BERTRAND WILSON
1601 HARTRICH ROAD
AUGUSTA, GA 30906

GA-CAROLINA PAVING
3020 MILLEDGEVILLE RD.
AUGUSTA, GA. 30904

GA-CAROLINA PAVING
920 MOLLY POND ROAD
AUGUSTA, GA. 30903

REEVES CONSTRUCTION CO.
1 APAC INDUSTRIAL WAY
AUGUSTA, GA 30907

E.R. Snell
1785 Oak Road
Snellville, GA 30078

POND MAINTENANCE OF AUGUSTA
3707 COLBERT ST.
AUGUSTA, GA 30906

R. W. Allen Construction
1015 Broad Street
Augusta, GA 30901

McKnight Construction Company
635 NW Frontage Road
Augusta, GA 30907

B.R. Walden Construction Inc
2320 Walden Dr
Augusta, GA 30904

R.B. Wright Construction Co
1227 Gordon Park Rd
Augusta, GA 30901

E.R. Snell
5102 Pierce Court
Evans, GA 30809

Pave-Way of Augusta, Inc.
1353 Gordon Hwy #3825
Augusta, GA 30901

South Eastern Commercial Prop. Svcs
4812 Jefferson Davis Hwy
Beech Island, SC 29842

BID ITEM #26-138 Augusta Infrastructure
Road Repair Hurricane Helene Storm Damage
FOR - AUGUSTA EEESD
MAILED: THURS., 12/11/25

BID ITEM #26-138 Augusta Infrastructure
Road Repair Hurricane Helene Storm Damage
FOR - AUGUSTA EEESD
BID DUE: WED, 1/21/25@11:00 A.M.

1 of 2

Garden City Asphalt Solutions
1927 Hopie Road
Augusta, GA 30904

Sitemaster Inc
4318-Wheeler Road
Augusta, GA 30906

S.D. Clifton Construction Inc
4324-Wheeler Road
Augusta, GA 30907

HAMEED MALIK
AEESD

JUNE HAMAL
AEESD

YOLANDA JACKSON
COMPLIANCE

BID ITEM #26-138 Augusta Infrastructure Road
Repair Hurricane Helene Storm Damage
FOR - AUGUSTA EEESD
MAILED: THURS., 12/11/25

BID ITEM #26-138 Augusta Infrastructure
Road Repair Hurricane Helene Storm Damage
FOR - AUGUSTA EEESD
BID DUE: WED, 1/21/26 @ 11:00 A.M.

2 of 2

Jamye Mortley

From: bidnotice.donotreply@doas.ga.gov
Sent: Friday, December 12, 2025 3:15 PM
To: Jamye Mortley
Subject: [EXTERNAL] Confirmation of the Event Batch Email process - PE-72155-NONST-2026-000000169

Dear Jamye Mortley,
jmortley@augustaga.gov

Please review the particulars of an event for 72155-AUGUSTA, CITY OF furnished below.

Event Number: PE-72155-NONST-2026-000000169
Event Title: Bid Item #26-138 Augusta Infrastructure Road Repair Hurricane Helene Storm Damage
Event Type: Non-State Agency

Process Log

2025/12/12 15:07:55 : Log starts for - 38693781 - EVENT_RELEASE_TO_SUPL
2025/12/12 15:08:01 : Email Process Log for the Event#: PE-72155-NONST-2026-000000169
2025/12/12 15:08:01 : Email Batch# 2512129031
2025/12/12 15:08:01 : Notification Type: EVENT_RELEASE_TO_SUPL
2025/12/12 15:08:54 : Bad Email not sent to tworiversrc&d@hotmail.com of TWO RIVERS RESOURCE CONSERVATION &
2025/12/12 15:13:56 : Bad Email not sent to ATTN: Trsargo Direct Procurement (trsargodirect@trsives.com) of Trsargo Direct
2025/12/12 15:15:10 : Total No of Contacts found for sending Email: 1078
2025/12/12 15:15:10 : No of Email(s) not sent due to Bad Email Address: 2

The sourcing event can be reviewed at:
<https://ssl.doas.state.ga.us/gpr/eventDetails?eSourceNumber=PE-72155-NONST-2026-000000169&sourceSystemType=gpr20>

12/12/2025 03:15:10 PM

[NOTICE: This message originated outside of the City of Augusta's mail system -- DO NOT CLICK on links, open attachments or respond to requests for information unless you are sure the content is safe.]

Planholders

Add Supplier

Export To Excel

Supplier (6)

Supplier 

Download Date

Dodge Data	12/12/2025	
E.R. Snell Contractor, Inc.	12/16/2025	
Gosalia Concrete Constructors, Inc.	12/12/2025	
Onvia, Inc. - Content Department	12/12/2025	
Southeastern Traffic Supply	01/27/2026	
Titan Construction Management LLC (dba Titan Civil Construction)	12/17/2025	

Add Supplier

SECTION 3: BID PROPOSAL

Date: 1/21/2026

Gentlemen:

In compliance with your invitation for bids dated Dec. 11, ²⁰²⁵~~2026~~, the undersigned hereby proposed to furnish all labor, equipment, and materials, and to perform all work for the installation of roadway improvements, and appurtenances referred to herein as:

ITB 26-138 Augusta Infrastructure – Road Repair Hurricane Helene Storm Damage

In strict accordance with the Contract Documents and in consideration of the amounts shown on the Bid Schedule attached hereto and totaling:

One Million Two Hundred Eighty Three DOLLARS (\$ \$1,283,740.00)
Thousand Seven Hundred Forty Dollars

The undersigned hereby agrees that, upon written acceptance of this bid, he will within 10 days of receipt of such notice execute a formal contract agreement with the OWNER, and that he will provide the bond or guarantees required by the Contract Documents.

The undersigned hereby agrees that, if awarded the contract, he will commence the work within **10** calendar days after the date of written notice to proceed, and that he will complete all work within 90 Calendar days.

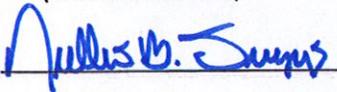
The undersigned acknowledges receipt of the following addenda:

Addendum Number:	Addendum Date:
<u>1</u>	<u>1/12/2026</u>
<u>2</u>	<u>1/20/2026</u>

Respectfully submitted:

Reeves Construction Company
(Name of the Firm)

1 APAC Industrial Way Augusta, GA 30907
(Business Address)

By: 

Title: Assistant Secretary

Scope of Work:

This project will be funded through the Federal Emergency Management Agency's (FEMA) and focus on restoring community safety, accessibility, and storm resilience following the severe impacts of Hurricane Helene. The purpose of this contract is to restore roadway, curb, gutter, shoulder, base, drainage, driveway, sidewalk, and guardrail components damaged during Hurricane Helene (DR-4830, 9/24/24–10/30/24) to their pre-disaster condition.

All quantities and locations shall match the FEMA Damage Description & Dimensions (DDD) .All work under this RFP shall be paid on a Lump Sum (LS) basis. The Contractor shall be responsible for providing all mobilization labor, equipment, materials, supervision, traffic control and incidentals necessary to complete the work as described in the scope. No additional amount or claim for extra compensation will be considered or paid beyond the approved lump sum price

SECTION 3- PRICE PROPSOAL

**Augusta Infrastructure – Road Repair
Hurricane Helene Storm Damage**

The Price include the furnishing of all labor, material, grading, and mob/demobilization traffic c0ntr0l for the construction complete in place.

Description	Notes	
Asset ID 2112 Beman St		Lump Sum <u>\$15,775.00</u>
Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees	Remove Curb, Concrete Curb & Gutter, 22 LF long x 30 IN wide x 1 FT high = 2.04 CY	
Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace Curb, Concrete Curb & Gutter, 22 LF long x 30 IN wide x 1 FT high = 2.04 CY	
Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling	Remove Surface, 0.27 CY of Asphalt, 22 FT long x 2 FT wide x 2 IN deep,(22*2/9 = 4.9 SY)	
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included	Remove Surface, 0.27 CY of Asphalt, 22 FT long x 2 FT wide x 2 IN deep,(22*2/9 = 4.9 SY)	
Rough grading sites, 3,100-5,000 S.F., skid steer & labor		
Compaction, riding, vibrating roller, 3 passes, 6" lifts		
Asset ID 2163 Milledge Rd		Lump Sum <u>\$9,460.00</u>
Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees	Remove Curb, Concrete Curb & Gutter, 39 LF long x 5 IN wide x 6 IN high = 0.3 CY	
Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace Curb, Concrete Curb & Gutter, 39 LF	

Asset ID 2163 Milledge Rd**Lump
Sum** \$16,200.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 31 LF long x 30 IN wide x 12 IN high = 2.87 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 31 LF

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, 0.57 CY of Asphalt, 31 FT long x 3 FT wide x 2 IN deep, $(31 \times 3 / 9 = 4.9 \text{ SY})$

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove Surface, 0.27 CY of Asphalt, 22 FT long x 2 FT wide x 2 IN deep, $(22 \times 2 / 9 = 10.33 \text{ SY})$

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2213 Heath St**Lump
Sum** \$16,335.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 27 LF long x 20 IN wide x 10 IN high = 1.39 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 27 LF

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, 1.3 CY of Asphalt, 21 FT long x 10 FT wide x 2 IN deep, $(21 \times 10 / 9 = 23.33 \text{ SY})$

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface, 1.3 CY of Asphalt, 21 FT long x 10 FT wide x 2 IN deep, $(21 \times 10 / 9 = 23.33 \text{ SY})$

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2217 Heath St**Lump
Sum** \$9,035.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 30 LF long x 16 IN wide x 10 IN high = 1.23 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 30 LF

Asset ID 2222 Meigs St

Lump Sum \$9,080.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 31 LF long x 5 IN wide x 6 IN high =0.24CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 31 LF

Asset ID 2226 Baker St GPS

Lump Sum \$12,280.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 21 LF long x 30 IN wide x 1 FT high =1.94 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 1 LF

Demolish, remove pavement & curb, remove concrete, rod reinforced, to 6" thick, excludes hauling and disposal fees

Remove Surface, 1.2 CY of Concrete driveway, 11 FT long x 6 FT wide x 6 IN deep, (11*6/9 = 7.33SY)

Sidewalks, driveways, and patios, sidewalk, concrete, cast-in-place with 6 x 6 - W1.4 x W1.4 mesh, broomed finish, 3,000 psi, 6" thick, excludes base

Replace Surface, 1.2 CY of Concrete driveway, 11 FT long x 6 FT wide x 6 IN deep, (11*6 =66 SF)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2233 Beman St

Lump Sum \$9,225.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 34 LF long x 5 IN wide x 6 IN high =0.26CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 34 LF

Asset ID 2233 Beman St**Lump
Sum** \$17,495.00

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Sidewalk, 1.1 CY of
Concrete sidewalk

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace Sidewalk, 1.1 CY of
Concrete sidewalk

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Surface, 2.4 CY of Concrete
driveway,

Sidewalks, driveways, and patios,
sidewalk, concrete, cast-in-place with
6 x 6 - W1.4 x W1.4 mesh, broomed
finish, 3,000 psi, 6" thick, excludes
base

Replace Surface, 2.4 CY of
Concrete driveway, 13 FT long
x 10 FT wide x 6 IN
deep,,(13*10 =130 SF)

Rough grading sites, 3,100-5,000
S.F., skid steer & labor

Compaction, riding, vibrating roller, 3
passes, 6" lifts

Asset ID 2236 Baker St**Lump
Sum** \$18,780.00

Utility area drain, catch basins or
manholes, frames and covers, cast
iron, heavy traffic, 36" diameter,
1,150 lb., excluding footing &
excavation

Replace 1 each of Reinforced
concrete catch basin top (right
wing), 7 FT long x 5 FT wide x 5

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Curb, Concrete Curb &
Gutter, 32 LF long x 5 IN wide x
8 IN highh =0.33CY

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb
& Gutter, 32 LF

Cold milling asphalt paving, 1" to 3"
asphalt pavement, 5,000 to 10,000
S.Y., cold planing & cleaning

Rough grading sites, 3,100-5,000
S.F., skid steer & labor

Asset ID 2238 Murphy St**Lump
Sum** \$16,535.00

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Curb, Concrete Curb &
Gutter, 22 LF long x 30 IN wide
x 1 FT high =2.04 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 22LF

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove Surface, 0.41 CY of Asphalt, 22 FT long x 3 FT wide x 2 IN deep, (22*3/9 = 23.33SY)
Replace Surface, 1.3 CY of Asphalt, 21 FT long x 10 FT wide x 2 IN deep, (21*10/9 = 7.33SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2239 Murphy St

Lump Sum \$16,230.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove Surface, 1.7 CY of Asphalt, 31 FT long x 9 FT wide x 2 IN deep, (31*9/9 = 31 SY)
Replace Surface, 1.7 CY of Asphalt, 31 FT long x 9 FT wide x 2 IN deep, (31*9/9 = 31 SY)

Compaction, riding, vibrating roller, 3 passes, 6" lifts
Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 22 LF long x 30 IN wide x 1 FT high =2.04 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 22LF

Asset ID 2241 McDowell St

Lump Sum \$9,650.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 43 LF long x 2 FT wide x 8 IN high =2.12 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 43 LF

Asset ID 2243 McDowell St**Lump
Sum** \$8,320.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 15 LF long x 6 IN wide x 6 IN high =0.14 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 15 LF

Asset ID 2244 McDowell St**Lump
Sum** \$9,315.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 36 LF long x 6 IN wide x 8 IN high =0.44CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 36 LF

Asset ID 2246 Kings Way**Lump
Sum** \$24,300.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Granite Curb, 23 LF long x 4.5 IN wide x 5.5 IN high =0.15 CY

Granite pavers, thermal face, sawn joints, medium price, gray, light gray, etc., 4" x 4" x 4"

Replace Curb, Granite Curb, 23 LF long x 4.5 IN wide x 5.5 IN high = (23*4.5 = 104 SF)

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, Surface, 0.57 CY of Asphalt, 23 FT long x 4 FT wide x 2 IN deep,(23*4/9 = 10.22 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface, Surface, 0.57 CY of Asphalt, 23 FT long x 4 FT wide x 2 IN deep,(23*4/9 = 10.22 SY)

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Base course drainage layers, aggregate base course for roadways and large paved areas, sand, washed and graded, compacted, 3/4", 3" deep

Replace Base, 0.57 CY of Graded aggregate base (0.57 *1.5 factor =0.86)

Rough grading sites, 1,100-3,000 S.F., skid steer & labor

Asset ID 2247 Heath St.

Lump Sum \$19,535.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb b, 27 LF long x 5 IN wide x 10 IN high =0.35CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb 27 LF

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb 21 LF long x 5 IN wide x 10 IN high=0.27 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb 21 LF

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb 33 LF long x 5 IN wide x 10 IN high =0.42CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb 33 LF

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb10 LF long x 5 IN wide x 10 IN high =0.13 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb 10 LF

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Asset ID 2248 Johns Rd

Lump Sum \$9,125.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, 32 LF long x 5 IN wide x 10 IN high =0.41 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb 32 LF

Asset ID 2252 Johns**Lump
Sum** \$8,795.00Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
feesRemove Curb, 25 LF long x 5 IN
wide x 10 IN high = 0.32 CYCast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concreteReplace Curb, Concrete Curb
25 LF**Asset ID 2255 Johns Rd****Lump
Sum** \$8,750.00Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
feesRemove Curb, 24 LF long x 5 IN
wide x 10 IN high = 0.32 CYCast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concreteReplace Curb, Concrete Curb
24 LF**Asset ID 2256 Johns Rd****Lump
Sum** \$9,080.00Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
feesRemove Curb, 31 LF long x 6 IN
wide x 10 IN high = 0.48 CYCast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concreteReplace Curb, Concrete Curb
31 LF**Asset ID 2257 Anthony Road****Lump
Sum** \$9,035.00Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
feesRemove Curb, 30 LF long x 6 IN
wide x 6 IN high = 0.28 CYCast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concreteReplace Curb, Concrete Curb
30 LF**Asset ID 2261 Milledge Rd****Lump
Sum** \$8,710.00Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
feesRemove Curb, Concrete header
curb, 26 LF long x 5 IN wide x 6
IN high = 0.20 CYCast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concreteReplace Curb, Concrete Curb
26 LF

Asset ID 2262 Milledge Rd**Lump
Sum** \$18,735.00

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Curb, Concrete header
curb, 74 LF long x 5 IN wide x 6
IN high=0.57 CY

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb
74 LF

Asset ID 2280 Cumming Rd**Lump
Sum** \$16,870.00

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Curb, Granite Curb, 18
LF long x 6 IN wide x 1 FT high
=0.33 CY

Granite pavers, thermal face, sawn
joints, medium price, gray, light gray,
etc., 4" x 4" x 4"

Replace Curb, Granite Curb, 23
LF long x 4.5 IN wide x 5.5 IN
high = (23*4.5 = 104 SF)

Demolish, remove pavement & curb,
remove concrete, rod reinforced, to
6" thick, excludes hauling and
disposal fees

Remove Surface, Surface, 1.43
CY of Concrete driveway, 11 FT
long x 7 FT wide x 6 IN
deep, (11*7/9 = 8.6 SY)

Sidewalks, driveways, and patios,
sidewalk, concrete, cast-in-place with
6 x 6 - W1.4 x W1.4 mesh, broomed
finish, 3,000 psi, 6" thick, excludes
base

Replace ,Surface, 1.43 CY of
Concrete driveway, 11 FT long
x 7 FT wide x 6 IN deep, (11*7/9
= 8.6 SY)

Compaction, riding, vibrating roller, 3
passes, 6" lifts

Rough grading sites, 1,100-3,000
S.F., skid steer & labor

Asset ID 2285 Gary St**Lump
Sum** \$18,735.00

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove Curb, Concrete Curb &
Gutter, 73 LF long x 30 IN wide
x 1 FT high = 6.76 CY

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb
74 LF

Asset ID 2289 Heard Ave**Lump Sum** \$15,675.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 18 LF long x 30 IN wide x 1 FT high =1.67 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 18LF

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface,0.56 CY of Asphalt, 18 FT long x 5 FT wide x 2 IN deep,(18*5/9 = 10 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface,0.56 CY of Asphalt, 18 FT long x 5 FT wide x 2 IN deep,(18*5/9 = 10 SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2295 Beattie Lane**Lump Sum** \$11,455.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove 1.3 CY of Asphalt, 21 FT long x 10 FT wide x 2 IN deep,(21*10/9 = 23.33 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace 1.3 CY of Asphalt, 21 FT long x 10 FT wide x 2 IN deep,(21*10/9 = 23.33 SY)

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Base course drainage layers, aggregate base course for roadways and large paved areas, sand, washed and graded, compacted, 3/4", 3" deep

Replace Base,3.9 CY of Graded aggregate base (3.9 *1.5 factor =5.9)

Asset ID 2298 Lackman Ln**Lump Sum** \$7,115.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove 0.24 CY of Asphalt, 13 FT long x 3 FT wide x 2 IN deep,(13*3/9 = 4.33 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace 0.24 CY of Asphalt, 13 FT long x 3 FT wide x 2 IN deep,(13*3/9 = 4.33 SY)

Rough grading sites, 1,100-3,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2330 Norris Ct**Lump Sum** \$15,990.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, Concrete Curb & Gutter, 22 LF long x 2 FT wide x 10 IN high =1.36 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb & Gutter, 22LF

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface,0.95 CY of Asphalt, 22 FT long x 7 FT wide x 2 IN deep,(22*7/9 = 17.11 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface,0.95 CY of Asphalt, 22 FT long x 7 FT wide x 2 IN deep,(22*7/9 = 17.11 SY)

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 3022 Marks Church Rd**Lump Sum** \$6,300.00

Selective demolition, highway guard rails & barriers, corrugated steel

Remove Guard Rail, Guard Rail, 26 LF long x 1 FT high,

Vehicle guide rails, guide/guard rail, Rub Rail, stl, galv, steel posts (not included), 2m OC, x, x

Replace Guard Rail, Guard Rail, 26 LF long x 1 FT high, (Equivalent)

Asset ID 3023 Marks Church Rd**Lump Sum** \$6,300.00

Selective demolition, highway guard rails & barriers, corrugated steel

Remove Guard Rail, Guard Rail, 26 LF long x 1 FT high,

Vehicle guide rails, guide/guard rail, Rub Rail, stl, galv, steel posts (not included), 2m OC, x, x

Replace Guard Rail, Guard Rail, 26 LF long x 1 FT high, (Equivalent)

Asset ID 5167 Maddox Rd**Lump Sum** \$12,630.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface,2.1 CY of Embankment asphalt, 31 FT long x 11 FT wide x 2 IN deep,(31*11/9 = 37.9 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface,2.1 CY of Embankment asphalt, 31 FT long x 11 FT wide x 2 IN deep,(31*11/9 = 37.9 SY)

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Base course drainage layers, aggregate base course for roadways and large paved areas, sand, washed and graded, compacted, 3/4", 3" deep

Replace Base, 12.6 CY of Graded aggregate base (12.6*1.5 factor =19)

Asset ID 9007 Fairfield Dr

Lump Sum \$9,655.00

Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation

Replace 1 each of Reinforced concrete catch basin top , 7 FT long x 5 FT wide x 5

Asset ID 9023 Pleasant Home Rd

Lump Sum \$34,910.00

Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation

Replace 1 each of Reinforced concrete catch basin top , 7 FT long x 5 FT wide x 5

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, 3.6 CY of Asphalt curb, 98 FT long x 1 FT wide x 1 FT high =3.63 CY

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, 98LF

TOTAL GROUP 1: \$465,415.00

Group 2:**Access ID 1005**

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Rough grading sites, 1,100-3,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Replace Surface, 0.33 CY of Class B Asphalt, 6 FT long x 6 FT wide x 3 IN deep, $(6 \times 6 / 9 = 4 \text{ SY})$

Remove Surface, 0.33 CY of Class B Asphalt, 6 FT long x 6 FT wide x 3 IN deep, $(6 \times 6 / 9 = 4 \text{ SY})$

Lump Sum \$7,140.00

Access ID 1012

Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Surface, 1.2345 CY of Structural Concrete Conc CB, MH Cover & DI Lid

Remove Curb, and Gutter, 14 FT long

Replace Curb, 14 LF

Lump Sum \$17,925.00

Access ID 1012

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Granite pavers, thermal face, sawn joints, medium price, gray, light gray, etc., 4" x 4" x 4"

Remove Curb, Granite Curb, 18 Inch 6x6 Inch Curb, 71 FT long x 6 IN wide x 6 IN high, $= 0.66 \text{ CY}$

Replace Curb, Granite 18 Inch 6x6 Inch Curb, 71 FT long x 6 IN wide x 6 IN high, $= (71 \times 0.5 = 36 \text{ SF})$

Lump Sum \$31,325.00

Access ID 2172:

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Sidewalks, driveways, and patios, sidewalk, concrete, cast-in-place with 6 x 6 - W1.4 x W1.4 mesh, broomed finish, 3,000 psi, 6" thick, excludes base

Remove Surface, 1.851 CY of Conc Driveway,

Replace Surface, Surface, 1.851 CY of Conc Driveway, 10 FT long x 10 FT wide x 6 IN deep, $(10 \times 10 = 100 \text{ SF})$

Lump Sum \$33,990.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Curb and Gutter, 79 FT long

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, 0.78 CY of Class B Asphalt, 2 FT long x 2 FT wide x 2 IN deep, (2*2/9 = 1.33 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface, 0.95 CY of Asphalt, 22 FT long x 7 FT wide x 2 IN deep, (22*7/9 = 17.11 SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Access ID 2182

Lump Sum \$21,605.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete
Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation

Replace Curb, Stn 30 inch Base, 24in Gut. Concrete Curb and Gutter, 12 LF long

Replace Surface, 1.14 CY of Structural Concrete Conc CB, MH Cover & DI Lid

Soils for earthwork, screened loam borrow, spread with 200 HP dozer, includes load at pit and haul, 2 miles round trip, excludes compaction

Embankment, 3.33 CY of Select Fill Embankment

Access ID 2191

Lump Sum \$8,890.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, Concrete Valley Gutter, 27 FT long

Access ID 2205

Lump Sum \$9,655.00

Utility area drain, catch basins or manholes frames and covers, cast iron, heavy traffic, 24" diameter, 400 lb., excluding footing & excavation

Replace Structural Concrete Conc CB, MH Cover & DI Lid

Access ID 2304

Lump Sum \$7,210.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, 0.5474 CY of Class B Asphalt, 45 FT long x 2 FT wide x 2 IN deep, (45*2/9 = 10 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface, 0.5474 CY of Class B Asphalt, 45 FT long x 2 FT wide x 2 IN deep, (45*2/9 = 10 SY)

Rough grading sites, 3,100-5,000
S.F., skid steer & labor
Compaction, riding, vibrating roller, 3
passes, 6" lifts

Access ID 2351

**Lump
Sum** \$30,000.00

Concrete culvert, headwall concrete,
precast, 30 degree skewed wingwall,
24" diameter pipe
Rip-rap and rock lining, random,
broken stone, 50 lb. average,
dumped

Replace Ditches, 2.8 CY of
Structural Concrete Concrete
Headwall (Equivalent)
Replace Ditches, 52.96 CY of
Solid Rock Medium Rip Rap
Larger then 8 inch = 78.71 Ton

Geotextile subsurface drainage
filtration, soil drainage mat on vertical
wall, 0.44" thick

Replace 70 SF of Mirafi
Geotextile Fabric, 47 FT long x
10 FT wide (70/9 = 7.8 SY)

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace Concrete Curb and
Gutter, 160 LF long

Demolish, remove pavement & curb,
remove concrete, plain, 7" to 24"
thick, excludes hauling and disposal
fees

Remove 0.66 CY of Concrete
Flume, 12 FT long x 3 FT wide x
6 IN deep

Cast-in place concrete curbs &
gutters, straight, wood forms, 0.055
C.Y. per LF, 6" high curb, 6" thick
gutter, 24" wide, includes concrete

Replace 0.66 CY of Concrete
Flume, 12 FT long x 3 FT wide x
6 IN deep

Cold milling asphalt paving, asphalt
pavement, 1" to 3" deep, removal
from concrete base, rip, load and
sweep, excludes hauling

Remove Surface, 26.257 CY of
Class B Asphalt, (45*2/9 = 10
SY)

Plant-mix asphalt paving, for
highways and large paved areas,
binder course, alternate method for
developing paving costs, 1-1/2" thick,
no hauling included

Replace Surface, 26.257 CY of
Class B Asphalt = 51.5 Ton

Rough grading sites, 3,100-5,000
S.F., skid steer & labor

Compaction, riding, vibrating roller, 3
passes, 6" lifts

26.3 * 1.5 Factor = 39.5 BCY

Seeding athletic fields, seeding
birdsfoot trefoil with mulch and
fertilizer, 0.45 lb. per M.S.F., hydro or
air seeding

Replace , 4,542.22 SY of Hydro
Seed Erosion Control (4,542.22
SY * 9) = 40880 SF, = 40.88
MSF

Access ID 4020

Lump Sum \$7,515.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included
Rough grading sites, 1,100-3,000 S.F., skid steer & labor
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Remove 1.5277 CY of Class B Asphalt, 15 FT long x 11 FT wide x 3 IN deep,(15*11/9 = 18.33 SY)
Replace 1.5277 CY of Class B Asphalt, 15 FT long x 11 FT wide x 3 IN depp,(15*11/9 = 18.33 SY)

Access ID 4026

Lump Sum \$7,470.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Remove 1.37 CY of Class B Asphalt
Replace 1.37 CY of Class B Asphalt

Access ID 4065

Lump Sum \$9,655.00

Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation

Replace strual Concrete Conc CB , MH Cover & DI Lid

Access ID 5053

Lump Sum \$16,400.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete
Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included
Rough grading sites, 1,100-3,000 S.F., skid steer & labor
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Replace CCurb and Gutter, 35 FT long
Remove Surface, 0.44 CY of Class B Asphalt, 12 FT long x 4 FT wide x 3 IN deep,12*4/9 = 5.33 SY)
Replace Surface, Surface, 0.57 CY of Asphalt, 23 FT long x 4 FT wide x 2 IN deep,(23*4/9 = 10.22 SY)

Access ID 5068

Lump
Sum \$60,000.00

Seeding athletic fields, seeding birdsfoot trefoil with mulch and fertilizer, 0.45 lb. per M.S.F., hydro or air seeding	Replace , 277.78 SY of Easement Restoration/Hydroseed (277.78 SY * 9) = 2500 SF, = 2.5 MSF
Utility area drain, catch basins or manholes, frames and covers, cast iron, heavy traffic, 36" diameter, 1,150 lb., excluding footing & excavation	Replace strual Concrete Conc CB , MH Cover & DI Lid
Utility removal, pipe, sewer/water, 27" to 36" diameter, remove, excludes excavation, hauling	Remove CMP 36 inch Culvert, 100 FT long
Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	Excavate (157.15 CY * 1.5 Factor = 235.73 BCY)
Public storm utility drainage piping, corrugated metal pipe, galvanized and bituminous coated with paved invert, 20' lengths, 12 ga., 36" diameter, excludes excavation and backfill	Replace CMP 36 inch Culvert, 100 FT long
Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction	Bedding
Fill by borrow and utility bedding, for pipe and conduit, crushed or screened bank run gravel, excludes compaction	Fill material 151.6 CY * 1.25 Factor = 190 LCY
Storm drainage manholes, rubber boots, 24", dia.	Replace 5 each of CMP Tie In CMP To Catch Basin/MH (Equivalent)
Utility removal, pipe, sewer/water, 27" to 36" diameter, remove, excludes excavation, hauling	Remove CMP 36 inch Culvert, 37 FT long
Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering	Excavate (58.15 CY * 1.5 Factor = 87.3 BCY)
Public storm utility drainage piping, corrugated metal pipe, galvanized and bituminous coated with paved invert, 20' lengths, 12 ga., 36" diameter, excludes excavation and backfill	Replace CMP 36 inch Culvert, 37 FT long
Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction	Bedding
Fill by borrow and utility bedding, for pipe and conduit, crushed or screened bank run gravel, excludes compaction	Fill material 56.09 CY * 1.25 Factor = 70.11 LCY

Utility removal, pipe, sewer/water, 27" to 36" diameter, remove, excludes excavation, hauling

Remove CMP 36 inch Culvert, 73 FT long

Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering

Excavate (114.72 CY * 1.5 Factor = 172 BCY)

Public storm utility drainage piping, corrugated metal pipe, galvanized and bituminous coated with paved invert, 20' lengths, 12 ga., 36" diameter, excludes excavation and backfill

Replace CMP 36 inch Culvert, 73 FT long

Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction
Fill by borrow and utility bedding, for pipe and conduit, crushed or screened bank run gravel, excludes compaction

Bedding

Fill material 110.67 CY * 1.25 Factor = 138.34 LCY

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove Surface, 28.5 CY of Class B Asphalt, 114 FT long x 27 FT wide x 3 IN deep, (114*27/9 = 342 SY)
Replace Surface, 28.5 CY of Class B Asphalt, 114 FT long x 27 FT wide x 3 IN deep, (114*27/9 = 342 SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, C.Curb and Gutter, 20 LF long,

Access ID 5162

Lump Sum \$60,000.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete
Rip-rap and rock lining, random, broken stone, 50 lb. average, dumped

Replace Curb, Concrete Curb and Gutter, 129 FT long

Replace 891 CY of Solid Rock Medium Rip Rap h = 1,323 Ton
Remove 29.77 CY of Class B Asphalt, including Subbase, Base Etc., 134 FT long x 24 FT wide x 3 IN deep, (134*24/9 = 357 SY)
Replace 29.77 CY of Class B Asphalt, including Subbase, Base Etc., 134 FT long x 24 FT wide x 3 IN deep, (134*24/9 =

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

357 SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Utility removal, pipe, sewer/water, 27" to 36" diameter, remove, excludes excavation, hauling

Remove 42Inch RCP, 5 FT long

Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, 1' to 4' deep, excludes sheeting or dewatering

Excavate (10.21 CY * 1.5 Factor = 15.3 BCY)

Public storm utility drainage piping, reinforced concrete pipe (RCP), 42" diameter, 8' lengths, class 3, excludes excavation or backfill, gaskets

Replace 42Inch RCP, 5 FT long

Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction
Fill by borrow and utility bedding, for pipe and conduit, crushed or screened bank run gravel, excludes compaction

Bedding

Fill material 9.89 CY * 1.25 Factor =12.371 LCY

Structural concrete, in place, gravity retaining wall (3000 psi), 4' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing

Replace 1.108 CY of Concrete Slurry Mix Concrete/Brick Headwall Surface Damage, 22 FT long x 5 FT wide x 3 IN dee

Geotextile subsurface drainage filtration, soil drainage mat on vertical wall, 0.44" thick

Replace 891 SF of Mirafi Geotextile Fabric, 89.1 FT long x 10 FT wide, 891/9 = 99 SY)

Access ID 5169

Lump Sum \$16,010.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb and Gutter, 22 FT long

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling

Remove Surface, 1.01 CY of Class B Asphalt, 22 FT long x 5 FT wide x 3 IN deep,(22*5/9 = 12.22 SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace Surface, 1.01 CY of Class B Asphalt, 22 FT long x 5 FT wide x 3 IN deep,(22*5/9 = 12.22 SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Access ID 6000

Lump Sum \$8,655.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb and Gutter, 22 FT long

TOTAL GROUP 2: \$353,445.00

Group 3:

Asset ID 1000 Brown Road

Lump Sum \$8,190.00

Plant-mix asphalt paving, for highways and large paved areas, binder course, 4" thick, no hauling included
Replace , 1.1 CY of Asphalt Asphalt Flume, 9 FT long x 10 FT wide x 4 IN deep (9*10/9 = 9SY)
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 1000 Brown Road

Lump Sum \$9,400.00

Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction
Replace embankment, 1 each of Dirt Embankment settling at 24 Inch RCP Culvert - 16Ft L 9Ft W x 5.5Ft H=792/2/27=15CY (19 LCY)

Asset ID 1038 Laurel Lane

Lump Sum \$99,360.00

Structural concrete, in place, gravity retaining wall (3000 psi), 4' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing
Replace 5 CY of Various stone types /concrete mortar Retaining Stone wall, 61 FT long x 1.1 FT wide x 2 FT deep,

Asset ID 1070 Old Waynesboro Road

Lump Sum \$11,020.00

Selective demolition, highway guard rails & barriers, corrugated steel
Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"
Replace Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Vehicle guide rails, corrugated steel, galvanized, steel posts 6'-3" OC, 6" x 8" posts
Replace Guard Rail, 5 each of Plastic OutLook Blocks, 22 IN long x 4 IN wide x 7.5 IN deep (equivalent) (22*5)/12 = 9.2 LF
Selective demolition, highway guard rails & barriers, corrugated steel
Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Bulk Head, 15.6 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"
Replace Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 15.6 FT long

Asset ID 2008 Prep Phillips Drive

Lump Sum \$7,090.00

Plant-mix asphalt paving, for highways and large paved areas, binder course, 4" thick, no hauling included
Replace , 0.74 CY of I-95 Surface mix Aaphalt pavement, 10 FT long x 3 FT wide x 2 IN deep(3*10/9 = 3.33SY)
Rough grading sites, 1,100-3,000 S.F., skid steer & labor
Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 2211 Raymond Ave

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Granite pavers, thermal face, sawn joints, medium price, gray, light gray, etc., 4" x 4" x 4"

Remove Curb, 0.96 CY of Granite Header Curb 12.5 MM, 13 FT long x 3 FT wide x 2 IN deep

Remove Curb, 0.96 CY of Granite Header Curb 12.5 MM, 13 FT long x 3 FT wide x 2 IN deep

Lump Sum \$10,560.00

Access 2218 Wingfield Street

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, 1 each of Concrete Header Curb - 25Ft L x 6In W x 6In D=18.75 + Gutter 25Ft L x 1.5Ft W x 6In D=6.25 /27=.93CY

Lump Sum \$8,795.00

Access ID 2338 North View Ave

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace 1 each of Concrete Header Curb -12Ft L x 6In W x 6In D=.30 Gutter 12Ft L x 2.5Ft W x 6 In D=7.25 =10.25/27=.38CY

Lump Sum \$8,180.00

Asset ID 3015A Riverwatch Parkway

Selective demolition, highway guard rails & barriers, corrugated steel

Vehicle guide rails, guide rail, steel box beam, 6" x 6"

Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Replace Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long

Lump Sum \$6,275.00

Asset ID 3015B Riverwatch Parkway

Selective demolition, highway guard rails & barriers, corrugated steel

Vehicle guide rails, guide rail, steel box beam, 6" x 6"

Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Replace Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long

Lump Sum \$6,275.00

Asset ID 3016 Riverwatch Parkway

Selective demolition, highway guard rails & barriers, corrugated steel

Vehicle guide rails, guide rail, steel box beam, 6" x 6"

Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Replace Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long

Lump Sum \$6,275.00

Asset ID 3020 Hudson Trace

Borrow, material only, bank run gravel

Replace 6 CY of Dirt material Root Ball, 11 FT long x 5 FT wide x 3 FT deep

Lump Sum \$3,920.00

Asset 4007 West Curb

Lump Sum \$8,320.00

Demolish, remove pavement & curb, remove concrete, plain, 7" to 24" thick, excludes hauling and disposal fees

Remove Curb, 0.28 CY of Concrete Header curb, 15 FT long x 6 IN wide x 1 FT deep

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete

Replace Curb, 0.28 CY of Concrete Header curb, 15 FT long x 6 IN wide x 1 FT deep

Asset ID 4008 Drexel Ave

Lump Sum \$9,655.00

Structural concrete, in place, gravity retaining wall (3000 psi), 4' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing

Replace 1 each of Concrete 10-33D Single Wing Trap Top Storm Drain Basin 9Ft L 4ft W x 4In D=11.88/27 - 4Ft L x 4In W x 4In D=5.28/27 =.64CY (Equivalent)

Asset ID 4008 Drexel Ave

Lump Sum \$6,910.00

Rough grading sites, 400 S.F. or less, hand labor

8 CF of Regrading Ditch, 23 FT long x 2.3 FT wide x 4 FT deep

Asset ID 4053 Old Mims Road

Lump Sum \$7,150.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove 0.35 CY of I-95 Surface mix Asphalt Pavement, 17 FT long x 1.7 FT wide x 4 IN deep,(17*1.7/9 =3.21 SY)
Replace 0.35 CY of I-95 Surface mix Asphalt Pavement, 17 FT long x 1.7 FT wide x 4 IN deep,(17*1.7/9 =3.21 SY)

Rough grading sites, 1,100-3,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 4056 Wilson Road

Lump Sum \$7,510.00

Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Remove 0.18 CY of Asphalt Roll Curb, 8 FT long x 1.8 FT wide x 4 IN deep,(8*1.8/9 =1.6SY)
Replace 0.18 CY of Asphalt Roll Curb, 8 FT long x 1.8 FT wide x 4 IN deep,(8*1.8/9 =1.6SY)

Rough grading sites, 1,100-3,000 S.F., skid steer & labor

Compaction, riding, vibrating roller, 3 passes, 6" lifts

Asset ID 4062 Powell Road

Lump Sum \$16,675.00

Borrow, material only, bank run gravel	Replace 1 each of Dirt Embankment settling / Shoulder over culvert-17Ft L x 7Ft W x 3.2Ft H=380.08/2/27=7CY
Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling	Remove 2.3 CY of Asphalt I-95 Mix Road failure - depression, 17 FT long x 11 FT wide x 4 IN deep,(17*11/9 =20.8SY)
Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included	Replace 2.3 CY of Asphalt I-95 Mix Road failure - depression, 17 FT long x 11 FT wide x 4 IN deep,(17*11/9 =20.8SY)
Rough grading sites, 3,100-5,000 S.F., skid steer & labor	
Compaction, riding, vibrating roller, 3 passes, 6" lifts	
Borrow, material only, bank run gravel	Replace 6 CY of Dirt Shoulder failure - depression, 17 FT long x 3 FT wide x 3.2 FT deep,

Asset IID 4071 Stovall Street Middle

Lump Sum \$13,040.00

Base course drainage layers, aggregate base course for roadways and large paved areas, stone base, compacted, 3/4" stone base, to 6" deep	Replace Base, 810 SF of Gravel Road - washout, 30 FT long x 27 FT wide (810/9 = 90 SY)
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Asset 4072 Stovall Street Middle

Lump Sum \$4,590.00

Base course drainage layers, aggregate base course for roadways and large paved areas, stone base, compacted, 3/4" stone base, to 6" deep	Replace Base 171 SF of Gravel Road - washout, 19 FT long x 9 FT wide (171/9 = 19 SY)
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Asset ID 4008 Drexel Ave

Lump Sum \$9,655.00

Structural concrete, in place, gravity retaining wall (3000 psi), 4' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	Replace 1 each of Concrete 10-33D Single Wing Trap Top Storm Drain Basin 9Ft L 4ft W x 4In D=11.88/27 - 4Ft L x 4In W x 4In D=5.28/27 =.64CY (Equivalent)
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Access ID 5136 Collins Road

Lump Sum \$7,475.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace Curb, 0.11 CY of Asphalt Rolled Curb, 6 FT long x 1.5 FT wide x 4 IN deep,
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AssetID 5138 McComb Road

Lump Sum \$6,300.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 4062 Powell Road

Lump Sum \$4,210.00

Borrow, material only, bank run gravel	Replace Embankment, 1 each of Dirt Embankment settling at shoulder over Culvert - 13Ft L x 8Ft W x 3Ft D=312/2/27=6CY
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Asset ID 5153 Riverwatch Parkway

Lump Sum \$7,120.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide/guard rail, Rub Rail, stl, galv, steel posts (not included), 2m OC, x, x	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 5156 Riverwatch Parkway

Lump Sum \$7,935.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 5157 Riverwatch Parkway

Lump Sum \$7,120.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 12.5 FT long, (Equivalent)

Asset ID 5158 Riverwatch Parkway

Lump Sum \$7,935.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 5159 Riverwatch Parkway

Lump Sum \$6,300.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 5160 Riverwatch Parkway

Lump Sum \$7,115.00

Selective demolition, highway guard rails & barriers, corrugated steel	Remove Guard Rail, 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long
Vehicle guide rails, guide rail, steel box beam, 6" x 6"	Replace 1 each of Aluminum Galvanized Stl. Guard Rail, 25 FT long, (Equivalent)

Asset ID 5166 George C. Wilson CT

Lump Sum \$13,945.00

Structural concrete, in place, gravity retaining wall (3000 psi), 4' high, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	Replace 1 each of Concrete headwall, 6 FT long x 1.1 FT wide, 24" (Equivalent)
Utility removal, pipe, sewer/water, 27" to 36" diameter, remove, excludes excavation, hauling	Remove 1 each of Storm drain pipe, 10 FT long x 18 IN in diameter
Public storm utility drainage piping, corrugated metal pipe, galvanized and bituminous coated with paved invert, 20' lengths, 16 ga., 18" diameter, excludes excavation and backfill	Replace each of Storm drain pipe, 10 FT long x 18 IN in diameter

AcID 5168 Bell Ave and Taylor Street

Lump Sum \$4,120.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace Ditches, 0.07 CY of Type II Valley Gutter, 2 FT long x 2 FT wide x 6 IN high
Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace 0.018 CY of Type II Valley Gutter, 2 FT long x 6 IN wide x 6 IN high

5176 Mike Padgett Hwy

Lump Sum \$86,580.00

Cast-in place concrete curbs & gutters, straight, wood forms, 0.055 C.Y. per LF, 6" high curb, 6" thick gutter, 24" wide, includes concrete	Replace 81 CY of Concrete Valley Gutter, 309 FT long x 17 FT wide x 4 IN dee
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Asse tID 5178 Powell Road

Lump Sum \$28,880.00

Borrow, material only, bank run gravel	Replace Embankment, 1 each of Dirt Embankment settling at shoulder over culvert -25Ft L x 8Ft W x 5.6Ft H=1120/2/27=21CY
Cold milling asphalt paving, asphalt pavement, 1" to 3" deep, removal from concrete base, rip, load and sweep, excludes hauling	Remove 6.47 CY of Asphalt I-95 Mix Road failure - depression, 25 FT long x 21 FT wide x 4 IN deep,(25*21/9 =58.33SY)

Plant-mix asphalt paving, for highways and large paved areas, binder course, 3" thick, no hauling included

Replace 6.47 CY of Asphalt I-95 Mix Road failure - depression, 25 FT long x 21 FT wide x 4 IN deep,(25*21/9 =58.33SY)

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Rough grading sites, 3,100-5,000 S.F., skid steer & labor

Replace 21 CY of Dirt Shoulder failure - depression, 25 FT long x 4 FT wide x 5.6 FT deep

Borrow, material only, bank run gravel

Asse ID 6106 McNutt Way/McNutt Dr

Lump Sum \$1,000.00

Borrow, material only, bank run gravel

Replace 1.6667 CY of Dirt and gravel mixture road surface, 30 FT long x 3 FT wide x 6 IN deep,

TOTAL GROUP 3

\$464,880.00

Grand Total (Group 1, 2, 3)

\$1,283,740.00



Engineering Services Committee Meeting

Meeting Date: 2/24/2026

Engineering Services for Utilities Department’s Fort Gordon Cyber CoE Campus Sanitary Sewer Extension Phase 2 North Trunk

- Department:** Utilities
- Presenter:** Wes Byne, Director
- Caption:** Approve contracting with Alfred Benesch & Company, Inc. (Benesch) to provide engineering services for Utilities Department’s Cyber CoE Campus Sanitary Sewer Extension Phase 2 North Trunk project. (RFQ 24-132)
- Background:**

Augusta Utilities Department (AUD) is the contracted water, sanitary sewer, and irrigation utility provider for Fort Gordon.

In coordination with Fort Gordon, AUD proposes to improve the wastewater collection system by extending the sanitary sewer North Trunk main approximately 10,500 feet to the 67th Motor Pool to eliminate the lift station and extend the sanitary sewer to intercept flow from the 19th Street Battle Lab. Benesch designed the North Trunk Phase 1 and based upon their experience AUD requested a proposal from Benesch to provide design and construction engineering services for this project.

The cost for Benesch to provide engineering services will be recovered within AUD’s project budget paid by Fort Gordon.
- Analysis:** Based upon their qualifications as preapproved consultants under RFQ #24-132 Engineering Consultant Services for Utilities, the Utilities Department recommends contracting with Benesch to provide these engineering services. Utilities Department requests approval in the amount of \$414,100.00 to fund the proposed services.
- Financial Impact:** The cost is \$414,100.00.
- Alternatives:** No alternatives are recommended.
- Recommendation:** Recommend approval for Utilities Department to contract with Alfred Benesch & Company, Inc. for the proposed services in the amount of \$414,100.00.
- Funds are available in the following accounts:** 515043420-5212115 / 88880160-5212115
- REVIEWED AND APPROVED BY:** N/A



January 20, 2026

Augusta Utilities Department
452 Walker Street
Augusta, GA 30901

Attention: Mr. Steven M. Behrend, PE

**Subject: Professional Services – Fort Gordon – North Trunk Sewer Main Improvements – Phase 2
Benesch Proposal # P19-262117**

Mr. Behrend:

Benesch appreciates this opportunity to submit a proposal for the North Trunk Main – Phase 2 Improvements. As discussed in our previous project review meeting, we understand that the Augusta Utilities Department (AUD) would like to proceed with the design of Phase 2 of the North Trunk Sewer Main. As discussed in the preproposal meeting on November 5, 2025, the following goals were identified as part of this project:

1. Expand the gravity sewer main west from the existing North Trunk to the 19th Street Battle Lab.
2. Eliminate the need for the lift station near the 19th Street Motor Pool.
3. Replace existing aging infrastructure along Chamberlain Avenue to facilitate future tie-ins.

This proposal includes our project approach, deliverables, schedule, and manhour/fee estimate. We appreciate this opportunity to continue our work on the Base and are available to initiate services immediately upon your notice to proceed.

Sincerely,

Alfred Benesch & Company

Victor Conover, PE, CFM
Project Manager

Erik Hammarlund, PE
Vice President

Attachments: Benesch Scope and Fee Proposal

Augusta Utilities Department – North Trunk Main Improvements – Phase 2

Project Location & Background

Phase 2 of the North Trunk Main Improvements service the northwest side of the Fort Gordon CoE Campus and are characterized by three (3) alignments, D1, D2 and E as shown in Exhibit 1, attached. These alignments are conceptual in nature and are likely to change through the design process.

- Alignment D1 – Approximately 8,455 LF of 12” diameter PVC pipe that extends from the completed phase 1 of the North Trunk Main project and extends west along the Tributary to Butler Creek to 19th Street, then further south to Chamberlain Avenue and then east to the existing lift station near 20th Street.
- Alignment D2 – Approximately 360 LF of 12” diameter PVC that extends south from the proposed Alignment D1 to the north side of the Motor Pool area on Chamberlain Ave.
- Alignment E – Approximately 1,720 LF of 12” PVC that extends from Alignment D1 on 19th Street north to the Battle Lab located at the north end of 19th Street.

To complete the design, Benesch partnered with Toole Surveying on our team to complete field surveying services, Soil and Materials Engineers, Inc (S&ME) to complete the geotechnical investigations, and Nutter and Associates to complete the environmental documentation and studies. All subconsultants’ scope and fee proposals are included as attachments to this proposal.

General tasks identified for design include Database, Project Management & Construction Documents, Geotechnical Investigations, and Environmental Documentation/Studies. Specific tasks to be completed during each of these phases have been outlined below and on the attached man-hour task sheet.

Task 1 – Database Survey

A summary of sub-tasks associated with Database Survey are as follows:

- Toole Surveying will complete a survey of the project area and develop a basemap to be used for design. A copy of their proposal is attached but some of the surveyed information will include:
 - Basemap of above ground features with 1’ contours.
 - Existing underground utilities.
 - Above ground utilities.

Task 2 – Project Management & Construction Documents

Construction documents will be submitted at 30%, 60%, 90% and 100% milestones. A summary of sub-tasks associated with Project Management & Construction Documents are as follows:

Project Management

- Benesch will provide the AUD with a Major Milestone Schedule following Notice to Proceed.
 - An estimated schedule is included in this proposal and will be updated accordingly.
- Benesch will coordinate schedules, contracts, and deliverables with all subconsultants to ensure cohesive delivery of the project
- Benesch will perform in-depth reviews of all subconsultant deliverables prior to submittal to the AUD or applicable review agencies
- Benesch will facilitate 18 monthly meetings with the AUD to provide progress updates and address upcoming milestones, challenges, and questions.
- Benesch will facilitate 4 specific milestone meetings with the AUD staff with the following intentions:
 - 30% Plan Kickoff
 - 30% Plan Review and 60% Plan Kickoff
 - 60% Plan Review and 90% Plan Kickoff
 - 90% Plan Review and Final Plan Kickoff
- Benesch will document all meetings and provide copies to the Augusta Utilities Department for review and comment. Feedback gathered from all meetings will be addressed as required.

30% Design Documents

- Using the field surveyed basemap, Benesch will develop 30% Preliminary Construction Plans. Specific attention will be directed to the tie-in- locations as well as potential stream crossings. Benesch anticipates the 30% design documents to include: Cover Sheet, General Notes, Horizontal and Vertical Alignment.
- Benesch will prepare a hydraulic model to confirm system flows and evaluate pipe size alternatives.
- Benesch will prepare a technical memo detailing the modelling process and pipe sizing criteria, including existing vs. potential future flows.
- Benesch will prepare an Opinion of Probable Construction Cost (25% Contingency).
- Benesch will facilitate a 30% Project Team Review Meeting.

Easement Maps

- Benesch assumes that all proposed improvements will be located on Fort Gordon and will not require the preparation of separate easement maps. We will show project limits on the construction plans to define allowable workspace for the contractors.

60% Design Documents

- Based on comments received from the 30% review meeting, Benesch will complete 60% plans in a plan and profile format. Benesch anticipates the 60% design documents to include: Cover Sheet, General Notes, Horizontal and Vertical Alignment, Abutment Design, Design Details.
- Benesch will complete a preliminary hydraulic analysis of the aerial sewer crossing.
- Benesch will distribute 60% design documents to utility companies for review.
- Benesch will facilitate a utility coordination meeting for the project.
- Benesch will prepare an Opinion of Probable Construction Cost (20% Contingency).
- Benesch will facilitate a 60% Project Team Review Meeting.

90% Design Documents

- Based on comments received from the 60% review meeting and utility coordination efforts, Benesch will complete 90% plans in a plan and profile format. Benesch anticipates the 90% design documents to include: Cover Sheet, General Notes, Horizontal and Vertical Alignment, Abutment Design, Design Details, Erosion and Sedimentation Control Plans.
- Benesch will finalize the hydraulic analysis of the aerial sewer crossing.
- During the 90% task Benesch will assist AUD to complete Fort Gordon DPW coordination.
- Benesch will prepare Erosion, Sedimentation, and Pollution Control Plans. We anticipate a three-phase (initial, intermediate, and final) erosion control plan format.
- Benesch will coordinate ES&PC design with DPW.
- Benesch will finalize utility coordination efforts with utility companies.
- Benesch will prepare and submit all applicable permits as required:
 - Stormwater and Erosion Control.
 - Land Disturbance Permit.
- Benesch will prepare an Opinion of Probable Construction Cost (10% Contingency).

100% Design Documents

- Benesch will prepare a final deliverable for construction based on comments received during the 90% Plan review.
- Final plans will include all project specific and AUD details for construction.
- Benesch will prepare a final opinion of probable construction cost (10% Contingency).

Pre-Construction Services

- Benesch will attend one (1) pre-bid meeting and will respond to contractor requests for information (RFI).
- Benesch will attend one (1) bid opening, will review bids for general compliance and responsiveness.
- Benesch will issue a recommendation of award following bid review.
- Benesch will assist in preparation of the Notice of Intent.
- Benesch will attend one (1) pre-construction meeting.

Task 3 – Geotechnical Investigations

- Following the completion of 30% Preliminary Plans, Benesch will identify project areas with potentially deep excavation (greater than 10'). We will then discuss the need for soil borings to classify the soil and determine water table.
- Soil and Materials Engineers, Inc (S&ME) will complete the geotechnical investigation for areas identified upon completion of the 30% construction plans. A copy of their proposal is attached providing further details of their scope. In summary their services include:
 - Eight (8) soil test borings of 25 feet (6 alignment borings) to 35 feet (2 crossing borings)
 - Three (3) concrete pavement cores

Task 4 – Environmental Documentation/Studies

- Nutter and Associates (Nutter) will complete the environmental documentation and studies for the project area. A copy of their proposal is attached providing further details of their scope. In summary their services include:

- Aquatic Resource Delineation (Wetlands)
- USACE Permitting
- Stream Buffer Variance Application (if required)
- NEPA Documentation
- Cultural Resources Survey

Task 5 – Owner Allowance: A \$20,000 contingency allowance has been established for this project for unforeseen project conditions that may warrant additional services. No work or fees will be invoiced towards this allowance budget without prior approval from AUD.

Project Assumptions:

- AUD will provide inflow/outflow data from the 19th Street Motor Pool Lift Station.
- AUD will provide any land use plans available for the subject sewer basin.
- The project will be designed in AutoCAD Civil 3d.
- The project will be designed according to “Minimum Standards for the Design and Construction of Water and Wastewater Systems,” latest edition, prepared by the Augusta Utilities Department.

Project Exclusions:

Benesch understands the following services are not required in this contract. Should any of the following services be requested, Benesch will provide a supplemental proposal for approval:

- Easement/Right-of-Way Drawings.
- Right of way Acquisition Services.
- Bid Package Development, Advertising, and Letting Services.
- Construction Management, Oversight, Inspection.
- SUE Services.
- Traffic Control Plans.
- Hydrologic Engineering and Reporting.
- Landscape Architecture/Irrigation Design.

Schedule:

Upon Notice to Proceed, Benesch will provide a full schedule outlining the plan development process. In general, the following outlines an estimation of project duration:

- 1) Field Surveying – Jan 2026 to March 2026.
- 2) Basemap Development – March 2026.
- 3) 30% Construction Plans – April 2026 to May 2026.
- 4) 60% Construction Plans – June 2026 – September 2026.
- 5) 90% Construction Plans – October 2026 to November 2026.
- 6) 100% Construction Plans – December 2026.

Project Fee Summary:

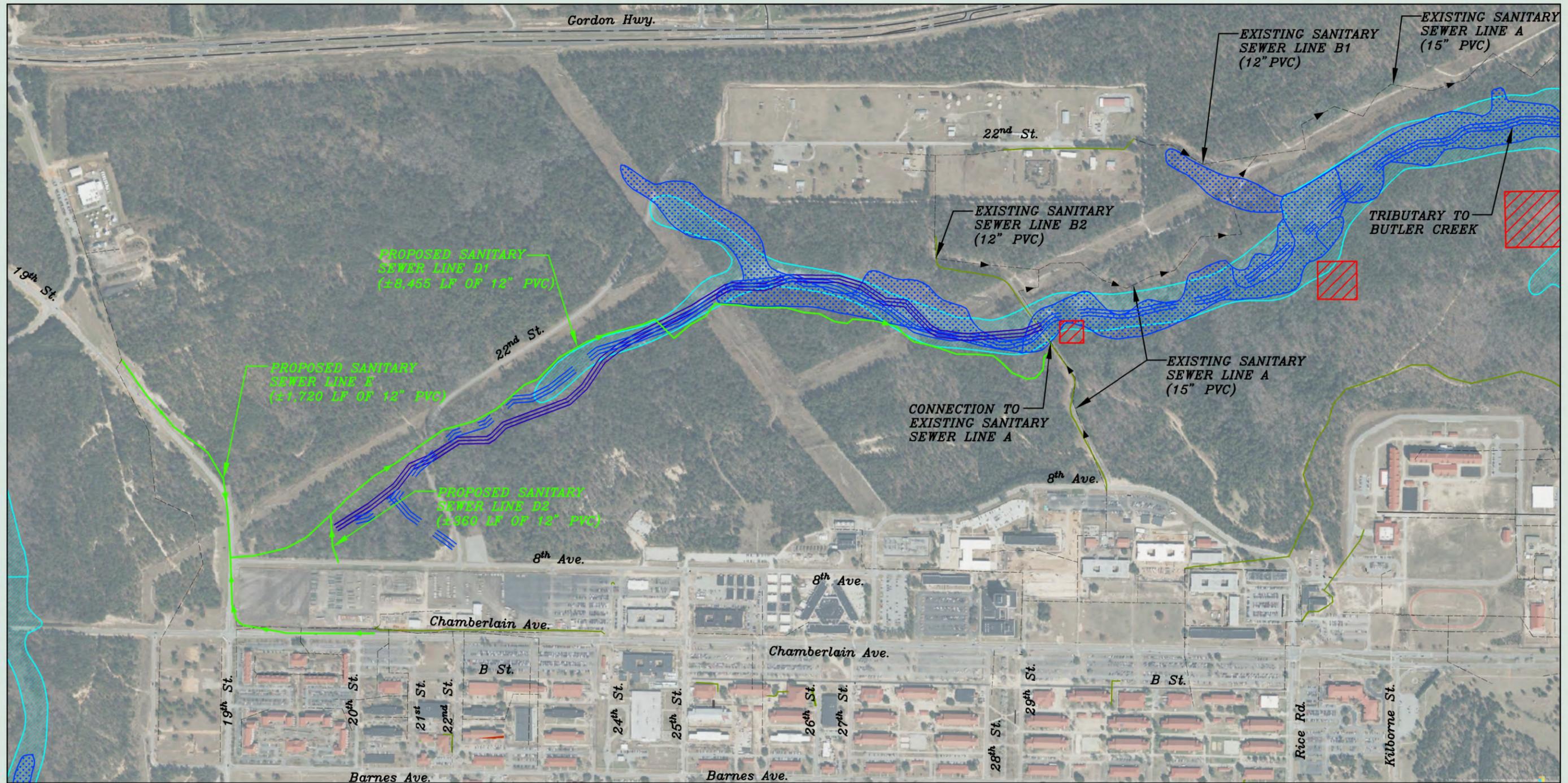
Proposed fees are based upon the scope of work and tasks outlined above and are to be paid for on a time and materials basis with a not to exceed value. Attached are manhour estimates providing a detailed outline of services. Please see below for a summary of fees per phase of work:

Task 1 – Database (Toole):	\$ 60,700.00
Task 2 – Project Management & Construction Plans (Benesch):	\$ 270,090.00
Task 3 – Geotechnical Investigation Allowance (S&ME):	\$ 30,000.00
Task 4 – Environmental Documentation/Studies (Nutter):	\$ 33,310.00
Task 5 – Owner Allowance:	<u>\$ 20,000.00</u>

Total: \$ 414,100.00

- Attachments: Concept Alignment Layout
- Benesch Man-hour Estimates
- Toole Surveying Company Scope and Fee Proposal
- Nutter and Associates Scope and Fee Proposal
- S&ME Scope and Fee Proposal





benesch
 Alfred Benesch & Company
 1005 Broad Street, Suite 200 Augusta, GA 30901
 P 706.722.4114 - www.benesch.com



LEGEND

-  PROPOSED SANITARY SEWER MAIN
-  EXISTING SANITARY SEWER MAIN
-  FLOODPLAIN
-  WETLAND
-  OFF-LIMITS AREA

SANITARY SEWER EXTENSION EXHIBIT

FORT GORDON CYBER CoE CAMPUS
 AUGUSTA, GEORGIA
 AUGUST 8, 2025

JOB NO.: TBD
 DRAWN BY: MR
 CHECKED BY: OS
 SCALE: NOT TO SCALE

1



Date: 1/20/2026
 Project Location: Fort Gordon, GA
 Owner: Augusta Utilities Department
 Project Name: North Trunk Sewer Main Improvements - Phase 2
 Benesch Proposal #: P19-262117

Item/ Task Description	Project Management	Survey	Environmental	Geotechnical	Owner Allowance	Preliminary Plans	Final Plans	Total
Summary								
Benesch	\$ 23,810.00					\$ 97,620.00	\$ 148,660.00	\$ 270,090.00
Toole Survey Company		\$ 60,700.00						\$ 60,700.00
Nutter			\$ 33,310.00					\$ 33,310.00
S&ME				\$ 30,000.00				\$ 30,000.00
Owner Allowance					\$ 20,000.00			\$ 20,000.00
Total	\$ 23,810.00	\$ 60,700.00	\$ 33,310.00	\$ 30,000.00	\$ 20,000.00	\$ 97,620.00	\$ 148,660.00	\$ 414,100.00



Date: 1/20/2026
 Project Location: Fort Gordon, GA
 Owner: Augusta Utilities Department
 Project Name: North Trunk Sewer Main Improvements - Phase 2
 Benesch Proposal #: P19-262117

Item/ Task Description	Principal-In-Charge	Sr. Project Manager	Senior Engineer	Project Manager	Staff Engineer	CAD Designer	Admin	Total
Project Management and Database								
Project Management (Contracts and Invoicing up to 18 months)		18					18	36
QA/QC of Subconsultant Deliverables								
Survey Basemap		4		8	24			36
Environmental Studies		4		16	40			60
Geotechnical Borings and Studies		4		8	16			28
								0
								0
								0
								0
Total	0	30	0	32	80	0	18	160

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Principal-In-Charge	0	\$285.00	\$0.00	
Sr. Project Manager	30	\$210.00	\$6,300.00	
Senior Engineer	0	\$200.00	\$0.00	
Project Manager	32	\$180.00	\$5,760.00	
Staff Engineer	80	\$130.00	\$10,400.00	
CAD Designer	0	\$110.00	\$0.00	
Admin	18	\$75.00	\$1,350.00	
Total per Rate Schedule			\$23,810.00	\$23,810.00
Subconsultant Costs				
	Number	Rate	Est. Cost (\$)	
Toole Survey Company - Survey	1	\$60,700.00	\$60,700.00	
Nutter	1	\$33,310.00	\$33,310.00	
S&ME	1	\$30,000.00	\$30,000.00	
Owner Allowance	1	\$20,000.00	\$20,000.00	
Total Subconsultant Costs				\$144,010.00
Total Proposed Fees				\$167,820.00



Date: 1/20/2026
 Project Location: Fort Gordon, GA
 Owner: Augusta Utilities Department
 Project Name: North Trunk Sewer Main Improvements - Phase 2
 Benesch Proposal #: P19-262117

Item/ Task Description	Principal-In-Charge	Sr. Project Manager	Senior Engineer	Project Manager	Staff Engineer	CAD Designer	Admin	Total
Preliminary Engineering								
30% Design Documents								
Design Documents								
Front End (Cover, General Notes, Standard Details)			1		5	10		16
Sanitary Sewer Plan and Profile			40		80	80		200
Prepare Quantities and Opinion of Probable Construction Costs (25% Contingency)			4		8			12
Internal QA/QC		24						24
60% Design Documents								
Design Documents								
Front End (Cover, Notes, Standard Details)					1	5		6
Sanitary Sewer Plan and Profile			40		120	160		320
Structural Design - Aerial Crossing Abutment			8		40			48
Special Details			2		5	10		17
Design Calculations								
Preliminary hydraulic analysis of stream crossing			8		16			24
Utility Coordination								
Distribute 60% Design Documents to Utility Companies			1		2			3
Facilitate Utility Coordination Meeting			2		2			4
Prepare Quantities and Opinion of Probable Construction Costs (20% Contingency)			2		4			6
Internal QA/QC		24						24
Total	0	48	108	0	283	265	0	704

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Principal-In-Charge	0	\$285.00	\$0.00	
Sr. Project Manager	48	\$210.00	\$10,080.00	
Senior Engineer	108	\$200.00	\$21,600.00	
Project Manager	0	\$180.00	\$0.00	
Staff Engineer	283	\$130.00	\$36,790.00	
CAD Designer	265	\$110.00	\$29,150.00	
Admin	0	\$75.00	\$0.00	
Total per Rate Schedule			\$97,620.00	\$97,620.00
Subconsultant Costs				
	Number	Rate	Est. Cost (\$)	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
Total Subconsultant Costs				\$0.00
Total Proposed Fees				\$97,620.00



Date: 1/20/2026
 Project Location: Fort Gordon, GA
 Owner: Augusta Utilities Department
 Project Name: North Trunk Sewer Main Improvements - Phase 2
 Benesch Proposal #: P19-262117

Item/ Task Description	Principal-In-Charge	Sr. Project Manager	Senior Engineer	Project Manager	Staff Engineer	CAD Designer	Admin	Total
Final Engineering								
90% Design Documents								
Design Documents								
Front End (Cover, General Notes, Standard Details)			1		5	10		16
Sanitary Sewer Plan and Profile			40		80	80		200
Structural Design - Aerial Crossing Abutment			20		20			
Special Details			1		2	5		8
ESPC Plans			24		80	80		184
Utility Coordination								
Finalize Utility Coordination			1		2			3
Prepare Draft Contract Documents and Technical Specificaitons			24		40			64
Submit Documentation for Permitting			8		16	24		48
Prepare Quantities and Opinion of Probable Construction Costs (10% Contingency)			4		8			12
Internal QA/QC		24						24
Final Design Documents								
Design Documents								
Front End (Cover, General Notes, Standard Details)			1		5	10		16
Sanitary Sewer Plan and Profile			20		60	60		140
Special Details			1		2	5		8
ESPC Plans			24		40	40		104
Finalize Contract Documents and Technical Specificaitons			24		40			64
Finalize Permitting Requirements			8		16			24
Prepare Quantities and Opinion of Probable Construction Costs (10% Contingency)			4		8			12
Internal QA/QC		24						24
Pre-Construction Services								
Attend Pre-Bid Meeting			2		2			
Address RFI			8		16			
Attend Bid Opening		2	2					
Bid review and Award Recommendation			2		4			
Notice of Intent Support			4		8			
Total	0	50	223	0	454	314	0	1041

Personnel	Est. Hours	Rate/Hour	Cost (\$)	Totals
Principal-In-Charge	0	\$285.00	\$0.00	
Sr. Project Manager	50	\$210.00	\$10,500.00	
Senior Engineer	223	\$200.00	\$44,600.00	
Project Manager	0	\$180.00	\$0.00	
Staff Engineer	454	\$130.00	\$59,020.00	
CAD Designer	314	\$110.00	\$34,540.00	
Admin	0	\$75.00	\$0.00	
Total per Rate Schedule			\$148,660.00	\$148,660.00
Subconsultant Costs				
	Number	Rate	Est. Cost (\$)	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
Total Subconsultant Costs				\$0.00
Total Proposed Fees				\$148,660.00



Toole Surveying Company, Inc.

308 Fourth Street · Augusta, Georgia 30901
 (Voice) 706-722-4115 · (Fax) 706-722-4118 · www.toolesurveying.com

November 22, 2025

Alfred Benesch
 1005 Broad Street
 Augusta, Georgia 30901

Attention: Oliver Weston, PE

Subject: Fort Gordon North Trunk Line Sanitary Sewer Route Survey
 Database Preparation

Toole Surveying Company, Inc. (TSC) appreciates this opportunity to propose our surveying services to you for the above referenced project. The following proposal briefly outlines our scope of services, a time frame for completion, and the cost associated with these services.

SCOPE OF SERVICES

Toole Surveying Company will provide the following services:

- Horizontal and vertical control will be established using Georgia State Plain coordinates, 1983 (2011) East Zone datum. Carlson BRX7 sub centimeter accuracy GPS units will be used to establish horizontal and vertical control for the project. All horizontal distance will be US Feet, “Ground Coordinates” unless otherwise directed. A minimum of one benchmark per 1000’ will be established for your use.
- A topographic survey along the route indicated in a drawing provided by you. The route is approximately 10,500 linear feet.
- The general width of the corridor to be surveyed is 100’. The Topographic Survey will show 1-foot contour intervals based on 50’ cross sections within the limits of the outlined 100’ corridor. We will provide 200 feet of additional topographic information in either direction at the creek crossing to allow for design adjustment. Topographic surveying outside the project corridor can be provided on an hourly basis or an additional lump sum fee as the need arises.
- Known lateral storm or sanitary sewers line, if any, crossing the proposed route will be located and mapped.
- Wood lines will be delineated. Individual trees will not be located.
- Underground utilities will be compiled from a combination of visible above ground structures and available utility maps provided to us.
- Utility poles (power poles) will be located within the vicinity of the corridor including structure numbers.
- The Flood Plain location will be taken from the Richmond County GIS and COE mapping.
- The wetland flags within the project corridor will be located and mapped (delineation by others).
- Individual sheets will not be set up in ACAD due to design considerations.

FEES

These services will be provided for the lump sum fees shown below:

Sanitary sewer route survey	\$60,700.00
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DELIVERABLES

- 1 Electronic AutoCAD Civil 3D 2025 drawing file.

EXEMPTIONS

- TSC assumes no liability for the inclusion or accurate location of non-visible underground utilities. A qualified Subsurface Engineer would be required to locate any non-visible utilities in the project area. Non-visible underground utility location is not included in this scope of services.
- Wetland delineation will be provided by others. A map of the delineation location with flag numbers will be provided to Toole Surveying by the delineator. Wetland plats for submittal to the C.O.E. are not included in this scope of services.
- Easement plats are not included in this scope of services.
- This proposal assumes a wintertime window for the survey. A summertime window will require a price adjustment.

TIME-FRAME

Field services will be initiated within 14 days of written authorization to proceed and the receipt of Fort Gordon Security Passes. The final topographic survey will be provided to your office within approximately 60 working days thereafter.

Again, Toole Surveying Company, Inc. appreciates the opportunity to offer our professional services to you. Should you have any questions regarding the information contained herein, please do not hesitate to contact us. We look forward to working with you on this project.

Sincerely,

Toole Surveying Company, Inc.
Barry A. Toole, PLS
Project Manager

BAT; tlr

December 9, 2025

Mr. Vic Conover
Benesch
1005 Broad Street, Suite 200
Augusta, GA 30901

Subject: Scope of Work and Budget for Aquatic Resources Delineation, Cultural Resources Survey, and Permitting Assistance, Fort Gordon Cyber CoE Campus Sanitary Sewer Extension, Augusta, Georgia. Proposal No. 26-014.00.

Mr. Conover,

Nutter & Associates, Inc. (NAI) is pleased to provide this scope of work and budget for environmental permitting services at the above-referenced site. We understand the proposed project will include construction of a sewer line extension adjacent to a named stream at Fort Gordon in Augusta. This proposal includes a site visit, cultural resources survey, and aquatic resource delineation to confirm the location of waters of the US that may require US Army Corps of Engineers (USACE) permitting, and waters of the state with a regulated 25-foot buffer.

This proposal also includes tasks necessary to obtain any necessary permits to complete the proposed sewer line construction. NAI will prepare a stream buffer variance (SBV) application to the Georgia Environmental Protection Division (GA EPD) which includes coordination with the Local Issuing Authority (LIA), Augusta-Richmond County (ARC). ARC has the ultimate discretion to determine whether a SBV for any disturbance to the existing 25-foot stream buffer of the unnamed tributary to Butler Creek is necessary. To complete the SBV application, NAI will coordinate with the appropriate project engineers and design professionals to obtain necessary sediment and erosion control documents and construction drawings once they are completed. This SOW also includes a task to prepare a USACE Nationwide Permit application. Finally, a task to prepare necessary reports and documents for US Department of Defense National Environmental Policy Act (NEPA) procedures is included. Coordination with Fort Gordon personnel will be necessary to determine the ultimate scope of the NEPA task.

SCOPE OF WORK

TASK 1: AQUATIC RESOURCE DELINEATION

Nutter & Associates will visit the site and delineate any aquatic resources in general accordance with the *Regional Supplement to the Corps of Engineers Eastern Mountains and Piedmont Region*

(Version 2.0), dated April 2012. The soils, observed dominant plant species and hydrologic conditions will be investigated in all areas that, based on landscape position, are potentially wetlands. Wetland Determination Data Forms will be completed at each location where soil, plants, and hydrologic conditions are described. Identified stream boundaries and wetland boundaries will be flagged in the field and recorded using a Trimble Geo 7X Global Navigation Satellite System (GNSS) receiver.

After completion of the field work, if necessary, we will prepare an Aquatic Resources Delineation Report documenting the field investigation and our findings. The collected GNSS data will be differentially corrected and exported into ArcGIS® software and the wetland and stream features will be plotted to create an aquatic resources delineation map. Additional figures constructed from USGS topographic mapping, NRCS soil mapping, NWI mapping, and FEMA mapping (if available) will also be included in the report. Photographs of the site characteristics and aquatic resources will be presented in the report appendix. Copies of the wetland and stream determination data forms will also be presented in the report appendix.

TASK 2: USACE PERMITTING

Based on a desktop review of the site, existing conceptual drawings, and the project will involve placement of fill within an unnamed tributary to Butler Creek and surrounding floodplain wetlands. Based on the results of the aquatic resources delineation, Nutter & Associates will complete a PCN for a Nationwide 404 Permit No. 58 for Utility Line Activities for Water and Other Substances for submittal to the USACE along with the aquatic resource delineation report and a request for USACE Delineation Review (SAS Appendix 1). Statements regarding the presence of endangered species will be based on site observations and information obtained from the Georgia Natural Heritage Program. Statements regarding the presence of historical or archeological resources will be based on site observations. Any potential resources identified at the site will be checked against the National Register of Historic Sites list. Information regarding construction (e.g., grading plans, materials) will be based on client-provided construction specifications. The PCN and delineation report will be submitted to you upon completion. The PCN documentation will require the signature of the applicant and pertinent landowner(s) prior to submittal to the USACE. This proposal includes a site concurrence visit with the USACE should it be requested. While a site visit is not required for issuance of a NWP, the USACE reserves the right to request one. This scope of work does not include a task for obtaining a USACE Individual Permit should the USACE determine that a NWP is not applicable.

TASK 3: STREAM BUFFER VARIANCE APPLICATION

A Stream Buffer Variance (SBV) is required for most land disturbing activities located within the 25-foot buffer of state waters. Based on proposed design plans, we anticipate that the local issuing

authority will determine that a SBV is required for land disturbing activities within the 25-foot buffer of the unnamed tributary to Butler Creek. The proposed sewer line crossing of the tributary is exempt from the SBV. The final determination concerning the need for a SBV is at the discretion of the Local Issuing Authority (LIA). For the proposed project, Augusta-Richmond County acts as the LIA. This task includes necessary coordination with ARC to determine whether a SBV is necessary. Written documentation from ARC will be provided to Benesch with their determination of whether a SBV is necessary or not.

If a SBV is deemed necessary by the LIA, Nutter & Associates will prepare the SBV application and all necessary supplemental materials in general accordance with Georgia Department of Natural Resources Rule 391-3-7.05. The SBV application requires submittal of design drawings and an Erosion, Sedimentation and Pollution Control Plan (ESPCP). We will coordinate with the project engineer to ensure the drawings and ESPCP contain the information required for the SBV application. The stream buffer variance package will include the buffer application, site map, and physical description of the property including details of the proposed buffer disturbance, a sealed copy of the project engineer's ESPCP, and a copy of the letter from the LIA stating it has determined the project requires a stream buffer variance. These documents are necessary to make the buffer variance application submittal complete. Our scope of services does not include preparation of grading plans, utility plans, or preparation of the ESPCP for the project as required for an EPD stream buffer variance.

We anticipate that a complete SBV application package can be submitted to GA EPD within two to four weeks of receipt of the final ESPCP. Based on recent SBV submittals, we anticipate that GA EPD could take up to 90 or 150 days to issue the SBV.

TASK 4: NEPA DOCUMENTATION

This task includes time to assist in preparation of an Environmental Assessment (EA) or Record of Environmental Consideration (REC) in accordance with current Department of Defense (DoD) NEPA regulations and procedures, as appropriate. Many NEPA regulations were repealed by Executive Order in June 2025, including Department of Defense (DoD) regulations. However, it is currently our understanding that the Army continues to rely upon previously established NEPA guidelines. NAI will coordinate with personnel at Fort Gordon and or DoD with expertise in NEPA to facilitate the appropriate course of action prior to proceeding with assisting in the preparation of an EA or a REC, as directed by DoD.

TASK 5: CULTURAL RESOURCES SURVEY

NAI will conduct a Phase I intensive archaeological survey of the proposed approximately 2-mile long sewer line extension. The survey will be conducted in accordance with Section 106 of the

National Historic Preservation Act of 1966, as amended, which requires that federal agencies that fund, license, or regulate projects consider the project’s effects on significant cultural resources. To complete the survey, a pedestrian survey and one shovel test transect will be performed to identify cultural resources across the project area. Shovel tests will be located approximately 30-m apart, and will consist of 30-cm-diameter holes excavated to subsoil or sterile soil with all excavated fill screened through 0.64-cm (0.25-in) wire mesh. In areas that have experienced significant disturbance, shovel test intervals may be increased according to the Georgia Standards and Guidelines.

If an artifact is recovered from a shovel test, the spatial extent of the artifact scatter will be delineated by the excavation of shovel tests placed in a cruciform pattern on a 10 or 15-m interval. A project specific site form will be completed, a sketch map drawn, GPS location recorded, and photographs taken to further document each site. Artifacts will be analyzed by the investigator and prepared for permanent curation according to State standards and guidelines. Upon completion of all field and laboratory work, a detailed technical report will be provided within 4 weeks after fieldwork concludes that includes context, methods, results, and recommendations as to site eligibility, as appropriate. Should adverse weather conditions persist on the site that make outdoor work unsafe or impractical, fieldwork will be rescheduled to allow safe and effective field operations, and the project timeline will be adjusted accordingly.

BUDGET

Our estimated not-to-exceed cost for the tasks outlined above is:

Task 1. Aquatic Resources Delineation	\$4,300
Task 2. USACE Permitting	\$5,320
Task 3. Stream Buffer Variance	\$7,600
Task 4. NEPA Documentation	\$6,690
<u>Task 5. Cultural Resources Survey</u>	<u>\$9,400</u>
Total	\$33,310

The cost is representative of the actual costs associated with performance of the tasks outlined above. This budget includes all project costs, including all professional fees and expenses, field work, travel, data interpretation, and report preparation. This cost does not include any potential mitigation credit purchasing costs.

Should situations be encountered during the course of the project such that the scope of work and/or budget are changed, Nutter & Associates will contact you prior to performing out-of-scope tasks.

If the Scope of Work meets your needs and the budget is acceptable, please return a signed copy of the attached Professional Services Agreement. This will authorize us to begin work and will serve as your acceptance of our terms.

Nutter & Associates is pleased to provide these services. If you have any questions regarding the proposed budget and/or scope please do not hesitate to contact us. We look forward to working with you.

Sincerely,

NUTTER & ASSOCIATES, INC.



Shelley R. Dodd
Project Scientist



Lane Rivenbark, CPSSc, RF
Principal, Senior Scientist



December 18, 2025

Benesch
1005 Broad Street, Suite 200
Augusta, Georgia 30901

Attention: Mr. Victor Conover, P.E., CFM – Project Manager/Associate

Reference: **Proposal for Geotechnical Exploration Services**
Fort Gordon Cyber CoE Campus Sanitary Sewer Extension
Augusta, Georgia
S&ME Proposal No. 25190091

Dear Mr. Conover:

S&ME, Inc. appreciates the opportunity to submit this proposal for geotechnical exploration services for the above-referenced site. This proposal outlines our approach to completing the requested scope of services, our schedule and an estimate of fees. Our services will be performed in accordance with a mutually agreed upon Subconsultant Services Agreement with Benesch.

Information regarding the project was provided in email correspondence from Mr. Victor Conover, of Benesch, to Mr. Matt Cooke, of S&ME, on December 16, 2025. Included in the correspondence was a *Sanitary Sewer Extension Exhibit*, prepared by Benesch, dated August 8, 2025, depicting the approximate proposed new alignment.

◆ Project Information

From our review of the provided information, we understand the project site consists of a roughly 10,535 linear foot proposed sanitary sewer alignment corridor on the Fort Gordon base, that extends from the intersection of 24th Street and Chamberlain Avenue, along Chamberlain Avenue to the west, then turn north along 19th Street for roughly 2,000 feet. Along the 19th Street alignment, the alignment branches to the northeast, roughly 150 feet south of the existing overhead power easement and extends roughly 3,500 linear feet, to a northwest/southeast crossing of a stream, then continues in an easternly direction for roughly 3,000 linear feet to a connection to existing sanitary sewer line A. Details on the planned depth of the sewer line along the alignment were not known at this time.

◆ Scope of Services

From our review of the provided information and on-line aerial imagery, we understand that the alignment extends within and across the existing roadway right-of-ways, existing overhead power easements and woodlands. There is a potential option for the alignment to also traverse the existing motor pool. Therefore, we have assumed the proposed boring locations are accessible with our ATV-mounted drill rig, and some mechanized clearing will be required. We assume our work can be conducted during normal business hours. We assume Benesch will coordinate with the base for permission to clear/core/drill on-site prior to our mobilization. We



**Proposal for Geotechnical Exploration Services
Fort Gordon Cyber CoE Campus Sanitary Sewer Extension**

Augusta, Georgia
S&ME Proposal No. 25190091

propose to provide the following scope of services to provide information about subsurface conditions at the sites. The following scope of services was concluded from our review of the project information provided.

- Visit the site to observe site surface conditions and stake the boring locations using hand-held GPS equipment. The boring locations will be determined by S&ME personnel considering site access, traffic control factors, and utility locations.
- Contact the Georgia 811 service to mark public utilities within a 30-foot radius of each boring location.
- Subcontract a private locator who will utilize a combination of ground penetrating radar (GPR) and radio-frequency electromagnetic (EM) pipe and cable locators to scan the boring locations prior to drilling in order to avoid encountering subsurface utilities during drilling activities.
- Obtain a dig permit through Fort Gordon, if necessary. Please be aware that our schedule assumes a timely response to our permit application; however, delays associated with the permit that are out of our control may affect the project schedule.
- Subcontract a timber grinder (or similar clearing equipment) and operator to perform clearing for access trails to the proposed boring locations in wooded areas. Trails about 12 to 15 feet wide will be cleared, with trees pushed over and to the side or chipped in-place. No attempt will be made to stack or remove downed trees from the site.
- Subcontract a licensed coring subcontractor to core the existing concrete pavement at three (3) locations within the motor pool for potential alignment to provide concrete thickness measurements.
- Mobilization of an ATV-mounted drill rig and crew to the site.
- S&ME will perform a total of eight (8) soil test borings, extended to depths of 25 feet (6 alignment borings) to 35 feet (2 crossing borings), or refusal, each. Borings will have Standard Penetration Test sampling at intervals of 2½ feet in the upper 10 feet and at 5-foot intervals thereafter. A total drilling footage of 220 feet is planned, and we assume that rock coring will not be required to achieve the planned boring termination depths.
- Groundwater levels will be measured at the time of boring and prior to leaving the site. Groundwater levels will be re-measured at least 24 hours after completion of drilling, if the boreholes can safely be left open overnight.
- Boreholes will be backfilled with auger cuttings with a plastic hole plug will be firmly tamped into place within the backfill at a depth of about two feet. Boreholes within the roadways will be backfilled with bentonite chips and the surface pavements patched with like materials.
- Stratification of the boring samples by a geotechnical professional.
- Perform moisture content, Atterberg Limit, and/or grain size distribution tests on selected soil samples, as deemed necessary by the geotechnical engineer.

Geotechnical Report

Upon completion of the field and necessary laboratory testing, we will prepare a formal report of our findings and recommendations. Among the items included in our report will be:

- Site description,
- Boring location plan,
- Log of each boring which describes site soils and illustrates stratification changes, subsurface data, and groundwater levels,



**Proposal for Geotechnical Exploration Services
Fort Gordon Cyber CoE Campus Sanitary Sewer Extension**

Augusta, Georgia
S&ME Proposal No. 25190091

- Laboratory test results,
- Conclusions and recommendations regarding excavation considerations, dewatering considerations (if necessary), reuse of on-site soils as structural fill, bedding considerations, fill placement and compaction and shallow foundation support for the stream crossing location.

Deliverables

- S&ME will provide a single hardcopy and/or digital copy of the final Geotechnical Report in .pdf format.

Assumptions

- Excess drill cuttings and/or fluids will be spread near the boring location within the existing right-of-way.
- S&ME can perform the borings during a single drill rig mobilization to the project site.

◆ **Excluded Services**

Without attempting to be a complete list or description of all services or potential services that will be excluded from this proposal and performed by S&ME, the following services are specifically excluded from this proposal:

- Environmental, Wetlands, Protected Species or Cultural Resources services.
- Pavement Condition Assessment.
- Surveying of boring locations or elevations.
- On-site or remote site safety training.
- Obtaining any necessary permits (other than Base required).
- Payment of any application fees.
- Repairs to landscaping, hardscaping, pavements, irrigation systems, or other utilities that result from the drill rig accessing the test locations and advancing the boreholes.
- Replacement or reconditioning of site to pre-clearing conditions
- Replacement or reconditioning of surface materials to pre-drilling conditions.
- Damage to utility lines or subsequent loss of service if utility locations are not made known to us or are improperly located by others.
- Re-patching of core holes if settlement occurs.
- Rock coring of auger refusal materials.
- Geophysical studies or testing.
- Traffic control.
- Infiltration or percolation rate testing.
- Field or laboratory determination of soil corrosion properties.
- Field determination of seasonal high water table (SHWT).
- Containerizing or environmental sampling/testing of drill spoils.
- Seismic site classification per IBC, Shear wave velocity measurements, Liquefaction analysis or Site specific response analysis.
- Jack-and-bore or HDD analysis or design recommendations.
- Deep foundation analysis or design recommendations.
- Dewatering system design.



**Proposal for Geotechnical Exploration Services
Fort Gordon Cyber CoE Campus Sanitary Sewer Extension**

Augusta, Georgia
S&ME Proposal No. 25190091

- Rigid pavement thickness and construction recommendations.
- Construction materials testing (CMT) services.
- Expert witness or testimony.
- Addenda to the report to address changes or additions to the proposed project not known to us at the time of this proposal or not provided to us prior to issuance of the report.
- Review of plans, specifications, contractor submittals, or other construction documents.
- Project meetings.
- Aspects of site safety other than safety of S&ME employees.

We can perform the above services and can provide additional information/proposals regarding these services upon request.

◆ Schedule

We can generally make an initial site visit to lay out the borings and conduct a site reconnaissance within 7 to 10 working days of receiving notification to proceed. At the time of this proposal, SPT drill rig mobilization backlogs of 3 to 4 weeks are common, pending driller availability. It is important to note that our mobilization is predicated on receipt of the Base permissions and permit. Pavement coring activities will require approximately 1 working day and can be completed prior to drill rig mobilization. Private utility locate and clearing activities will require approximately 1 working day each to complete and must be performed prior to drill rig mobilization.

After mobilization, SPT drilling activities will require approximately 2 to 3 working days to complete. Field activity durations are weather dependent. Laboratory testing activities may require 5 to 7 working days to complete. Our report will be completed about 7 to 10 working days after completion of necessary laboratory work, or up to roughly 4 weeks after initial rig mobilization.

Holiday Scheduling Note: For projects that are authorized to proceed between now and January 5, 2026, please allow up to two (2) additional weeks in the project delivery schedule beyond the schedule that is described above. This is to accommodate the increased backlog effects associated with the upcoming Christmas and New Year holiday period.

◆ Associated Fees

Based on our present understanding of the proposed project, current site conditions, and our estimate of time and expenses, we can perform the above-described scope of services for the lump sum fee of \$30,000. *This quotation is valid for 90 days.*

During our geotechnical exploration, on-site project delays (excluding weather delays) which occur through no fault of S&ME (such as locked gates or denial of access) will be billed at an additional \$375 per standby hour per mobilized soil test rig and/or \$135 per staff professional.



◆ Client Responsibilities

The Scope of Services, fee and project schedule presented herein are contingent upon the client fulfilling the following responsibilities:

1. Provide written authorization to proceed.
1. Provide access to the property and permission to core/clear/drill on-site.
2. Provide State Plane coordinates for the project prior to our mobilization to the site, if available.
3. Provide Base coordination.
4. Upon receipt of our invoice, payment must be provided in net 30 days.

◆ Use of Proposal/Report

This proposal is solely intended for the Basic Services as described in the Scope of Services. The Scope of Services may not be modified or amended, unless the changes are first agreed to in writing by the Client and S&ME. Use of this proposal and corresponding final report is limited to above-referenced project and Client. No other use is authorized by S&ME.

◆ Authorization

We will perform these services in accordance with a mutually agreed upon Subconsultant Services Agreement with Benesch.

◆ Closure

S&ME appreciates the opportunity to be of service to you. If you have questions regarding the outlined scope of work, or if we may be of further assistance, please call us at 803.561.9024.

Sincerely,

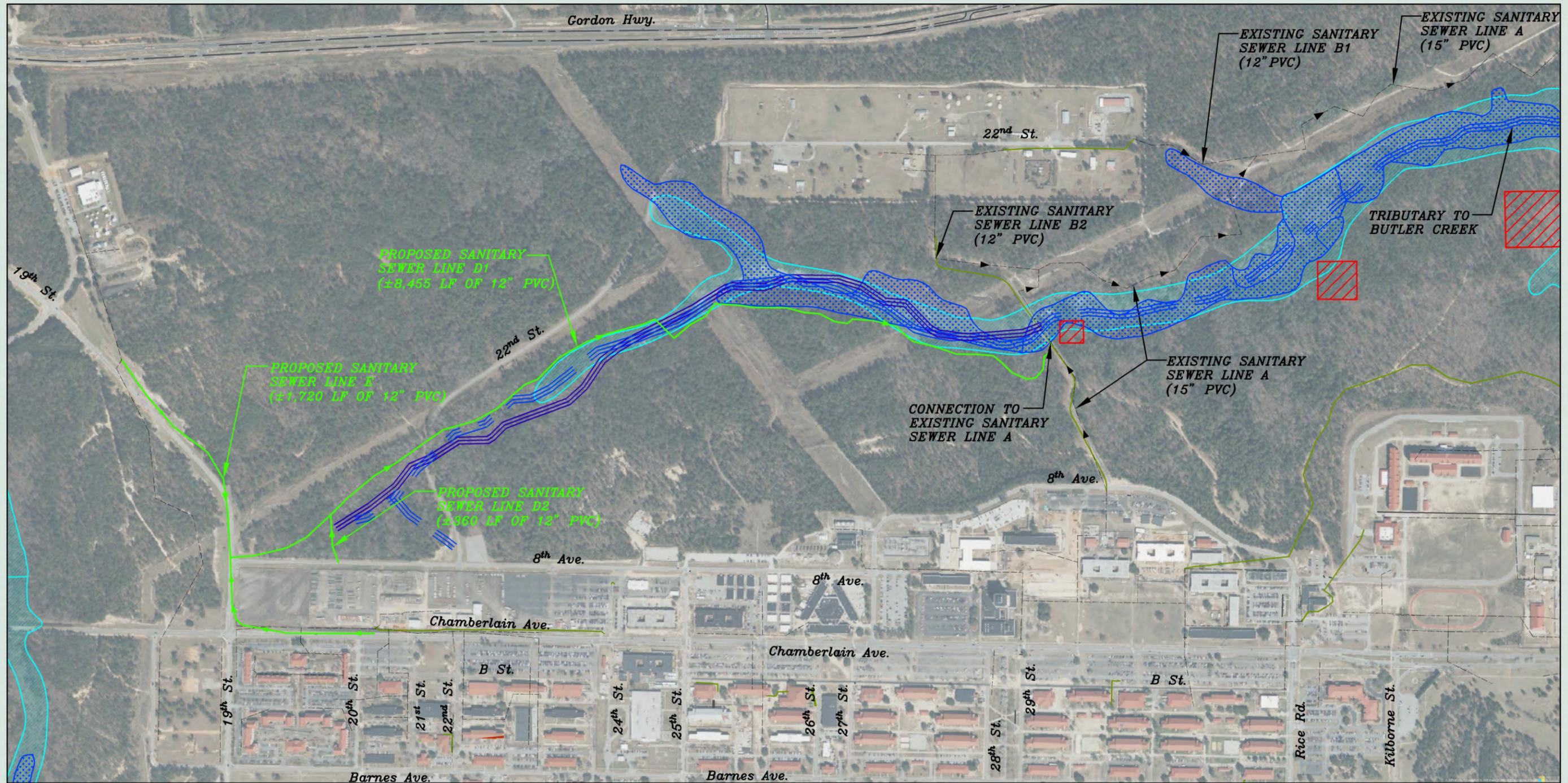
S&ME, Inc.

A handwritten signature in blue ink that reads "R C Bruorton".

Robert C. Bruorton, P.E.
 Principal Engineer/Principal Project Manager

A handwritten signature in blue ink that reads "Kristen Hill".

Kristen H. Hill, P.G., P.E.
 Regional Director



LEGEND

-  PROPOSED SANITARY SEWER MAIN
-  EXISTING SANITARY SEWER MAIN
-  FLOODPLAIN
-  WETLAND
-  OFF-LIMITS AREA

SANITARY SEWER EXTENSION EXHIBIT

FORT GORDON CYBER CoE CAMPUS
 AUGUSTA, GEORGIA
 AUGUST 8, 2025

JOB NO.: TBD	1
DRAWN BY: MR	
CHECKED BY: OS	
SCALE: NOT TO SCALE	



benesch
 Alfred Benesch & Company
 1005 Broad Street, Suite 200 Augusta, GA 30901
 P 706.722.4114 - www.benesch.com





Engineering Services Committee Meeting

Meeting Date: 2/24/2026

AUD Water Loss 2026 Program Review and Analysis Additional Services

Department:	Utilities
Presenter:	Wes Byne, Director
Caption:	Approve supplemental funding in the amount of \$202,250.00 for Cavanaugh & Associates to perform a 2026 Program Review and Analysis of the Utilities Department's Water Loss Program (22AUA120)
Background:	<p>The Georgia Water Conservation Act requires that public water systems conduct water loss audits and implement water efficiency and loss detection programs beginning in 2012. Accordingly, Augusta Utilities conducts a Water Loss Program and submits an annual Water Audit and report to the Georgia Environmental Protection Division (EPD).</p> <p>Cavanaugh & Associates, P.A. is a respected state and national subject matter expert with extensive experience in developing and auditing programs regarding water loss for utilities. Cavanaugh is a member of the Georgia Water Loss Control Committee, which produced EPD's Georgia Water System Audits and Water Loss Control Manual. Cavanaugh also contributed to AWWA Manual M36 Water Audits and Loss Control Programs as a Technical Review Board Member and a Contributor to the 4th Edition.</p> <p>The Utilities Department contracted Cavanaugh in 2022 to perform third party testing, review, and analysis to improve our audit reporting and program processes. These recurring third party reviews are encouraged by EPD. Thus, Augusta Utilities turns to Cavanaugh to continue their services to perform the 2026 third party testing and review as detailed in their proposal.</p>
Analysis:	Cavanaugh works well with Augusta Utilities and has extensive experience with AUD's Water Loss Program. AUD requests supplemental funding for Cavanaugh to perform the 2026 Program Review and Analysis.
Financial Impact:	\$202,250.00
Alternatives:	No alternatives are recommended.
Recommendation:	Recommend approval of \$202,250.00 supplemental funding for Cavanaugh & Associates, P.A. to perform the 2026 Program Review and Analysis for the Utilities Department's Water Loss Program.
Funds are available in the following accounts:	506043110-5212999 / 82200050-5212999

**REVIEWED AND
APPROVED BY:**

N/A

Item 8.

Augusta Utilities - Water Loss Control Program
2026 Program Review & Analysis Professional Services Proposal Oct. 2025

Part 1: Supply Meter Accuracy Testing & Supply Data Analysis

The last round of independent testing conducted was in 2022. Six of the 11 finished-water meters were included in that testing, representing approximately 60% of total system input.

Test methods to be utilized will include a combination of insertion probe and volumetric displacement. AUD's existing ultrasonic meter may be deployed in tandem, if desired, and we will include that data in parallel with our analysis for reference.

Query & compilation of raw SCADA production data to be performed for all 11 finished-water meters. Analysis to be performed for data gaps and anomalies as integrity check for production data recording & archival processes. It is anticipated that the testing will be conducted in the fall of 2026.

Part 1 Budget: 22,500

Part 2: Billing Data Analytics for Level 2 Validation of Billed & Unbilled Consumption

Export of raw billing data at account level, to validate integrity of both 1) the database itself, and 2) the query process that is utilized to provide the monthly and annual consumption volumes. Analytics will include twelve (12) integrity checks, as follows:

1. Count of Accounts per Bill Cycle – A review of the total number of records for each month/bill cycle was conducted. This review provides insight into the completeness of the export as well as identifies any potential issues related to missed bills of existing customers.
2. Verification of Exclusion of Non-Potable Volumes – A utility's billing software is often used to store and bill volumes other than the potable volumes used in the water audit. These volumes are often designated through a rate schedule, customer classification, or other identifier. In this review, any unique identifiers presented in the raw data were used to confirm that only potable volumes were used in the water audit.
3. Duplicate Records – Prior to review of the exported account level data, a check for duplicate records is performed. Often, the export will contain duplicate records where volumes are duplicated in multiple rows of data.
4. Negative Consumption – Negative consumption within the database can be indicative of a data archival issue. Many billing programs maintain a separate database that stores the original, uncorrected readings and usage from the adjusted database where adjustments and corrections are archived. Other negative consumptions are legitimate as a utility may use to correct an errant reading or estimation in a previous period. New meters were installed starting in June of 2024 and read in a bi-directional format and thus, negative reads are plausible based on the type of meter.
5. Monthly Consumption Outliers (High/Low) – A review of each account's monthly consumption pattern was conducted, and outliers were flagged. Many outliers are legitimate, and most were examined by the utility. Higher consumption is to be expected in the summer months and thus, the filters used to determine high volume outliers are less restrictive during those time periods.
6. Active Accounts with Zero Consumption for the Audit Period – An account in the database that is active but has zero consumption for the entire audit period could be indicative of a meter issue or an account that is not active.

Augusta Utilities - Water Loss Control Program
2026 Program Review & Analysis Professional Services Proposal Oct. 2025

7. Consecutive Months of Zero Consumption – Like active accounts with zero consumption, this review identifies accounts with multiple, consecutive months with zero consumption which could be indicative of a meter or data transmission issue on the account.
8. Accounts with “Blank” Consumption – This is an examination of accounts where a read did not occur in the data for that account. This can be caused by an account getting skipped or can show when an account was read twice during the same billing period. For example, a reading on January 1 and January 31 but not read in February.
9. Days in Read Cycle – This is an examination of any accounts with read cycles over the expected days in a read cycle. Identified accounts will be flagged for review.
10. Read Consumption vs. Billed Consumption – Many billing systems separate the read consumption from the billed consumption. Read consumption is defined as the current reading minus the previous reading while billed consumption is the volume billed to the customer. This examination reviews discrepancies between these volumes to determine if there is a systematic issue with customers not being billed for the consumption their meter is reading.
11. Multiplier vs. Meter Size – One common issue in the billing system comes from the use of multipliers. A multiplier is used to convert from units read to units billed, as many meters in the field are read in different units as the published billing rate units. This can either be a full conversion of units (cubic feet to gallons) but is most commonly a conversion to a different form of the same unit (cubic feet to hundred cubic feet or gallons to thousands of gallons). An incorrect multiplier assigned to a given account results in either an under or over billing of the customer, usually by a factor of 10, 100, etc. A comparison of the assigned multiplier to the meter size can be an indication of an issue with accounts, as it would be common to have the same multiplier on like sized meters, assuming the meters are the same make and model.
12. Verification of the Summary Volume – Most utilities utilize a summary report to record and track volumes monthly. For this review, the account level raw data is summed to compare against the summary report volumes to ensure the summary report is sufficient for monthly tracking. Additionally, a lag time adjustment was performed by subtracting volume from the beginning of the audit period and adding volumes to the end of the audit period based on proration of volumes from read dates.

Integrity analysis to be summarized with flags, conclusions and recommendations in a Technical Memo.

Part 2 Budget: \$33,750

Part 3: Practices Assessment, Leakage Component Analysis, and Economic Gap Analysis

3.1 Practices Assessment

Re-orientation meetings with key personnel in pertinent departmental areas to evaluate current processes related to operational and data collection practices. Interviews to include:

- Supply & Distribution
- Customer Meter Reading
- Customer Meter Testing & Maintenance
- Billing & Customer Service
- Financial/Management

Augusta Utilities - Water Loss Control Program
2026 Program Review & Analysis Professional Services Proposal Oct. 2025

- Engineering/IT/GIS

The purpose of the meetings and interviews will be to assess the integrity of data collection relative to the water audit, and water loss control activities relative to best-practices in the AWWA M36 Methodology. Interviews and information gathered will be compiled into a practices summary.

3.2 Leakage Component Analysis

Conduct Leakage Component Analysis to develop Real Loss cost profile. Methodology shall conform to component-based Breaks and Background Estimates (BABE) and Fixed and Variable Area Discharge (FAVAD) analysis, as described in the AWWA M36 Manual and Water Research Foundation Project 4372A, and shall include the following:

- Determination of Background Leakage from system characteristics and infrastructure condition & age, including sensitivity analysis on Infrastructure Condition Factor
- Determination of Reported Leakage from distribution system leak and break repair data, tank overflow data, and analysis of awareness-location-repair times
- Determination of Unreported (Hidden) Leakage via reconciliation between AWWA Water Balance, Background Leakage and Reported Leakage
- Cost assessment for Real Loss components to develop cost profile
- Review leak/break repair tracking protocol to determine if improvements should be recommended

3.3 Economic Gap Analysis

Economic analysis to determine cost of current Water Loss Control Program versus cost of optimized Water Loss Control Program, to establish preliminary business case and prioritization of NRW components; Development of NRW component mapping and economic analysis for preliminary target setting:

- Unbilled Consumption components;
- Apparent Loss components with emphasis on optimizing metering losses;
- Real Loss components with emphasis on optimizing unreported losses;
- Aggregated NRW economic target setting;

Short- and medium- term program recommendations for data improvement, water loss reduction and revenue recovery activities will be developed. Review of AU’s current Water Loss Control Program to be included.

Practices summary, analysis results, recommended targets and Water Loss Control Program recommendations will be provided in a Technical Memo.

Part 3 Budget: \$51,000

Part 4: Program Facilitation

Facilitate bi-monthly meetings over the course of 11 months with key personnel together as the Non-Revenue Water (NRW) team. The purpose of these team meetings is to provide support and accountability for action items related to Water Loss Control Program.

It is anticipated that individual training and education be conducted with new staff members, not previously involved in the program.

Updates to NRW performance metrics tracking tool will be provided. Support for monthly data validation will be provided as needed.



Augusta Utilities - Water Loss Control Program
2026 Program Review & Analysis Professional Services Proposal Oct. 2025

Provide review and oversight of the annual water loss audit reporting prior to submission to the State of Georgia.

Provide analysis of newly replaced small customer meters to evaluate existing customer metering inaccuracies input.

Part 4 Budget: \$95,000

Budget Summary

Table with 3 columns: Part, Description, and Amount. Rows include Part 1 (Supply Meter Accuracy Testing & Supply Data Analysis), Part 2 (Billing Data Analytics for Level 2 Validation of Billed & Unbilled Consumption), Part 3 (Practices Assessment, Leakage Component Analysis, and Economic Gap Analysis), Part 4 (Program Facilitation (11 months)), and Total Lump Sum Fee.

It is anticipated that this scope will be performed from February 2026 through December 2026

This Agreement is respectfully submitted by:

Tory N. Wagoner, P.E.

Vice-President
Cavanaugh & Associates, P.A.

Authorization

Signed _____ Date _____
Augusta Utilities

AUGUSTA, GEORGIA

Item 8.

SUITE 605, PROCUREMENT DEPARTMENT
535 TELFAIR STREET, MUNICIPAL BUILDING 1000
AUGUSTA, GEORGIA 30901-2377
PHONE: (706) 821-2422

PURCHASE ORDER

PURCHASE ORDER NO.
22AUA120

DATE 12/15/23	DEPARTMENT 043110	VENDOR PHONE # (336) 759-1005	REQUISITION/QUOTE NO. R365439
VENDOR # 20904	E-VERIFY # 458252	EMAIL TORY.WAGONER@CAVANAUGHSOLUTIONS.CO	PURCHASE ORDER NUMBER ABOVE MUST APPEAR ON ALL INVOICES, SHIPPING PAPERS, AND PACKAGES.

VENDOR CAVANAUGH & ASSOCIATES P.A. P. O. BOX 11197 WINSTON SALEM, NC 27116	ATTN: CO1 BID NUMBER: CONTRACT #: 22AUA120 BUYER: NANCY
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SHIP TO: AUGUSTA UTILITIES ADMIN 452 WALKER STREET SUITE 200 AUGUSTA, GA 30901	BILL TO: AUGUSTA, GEORGIA ACCOUNTING DEPARTMENT, SUITE 800 535 TELFAIR STREET, MUNICIPAL BUILDING 1000 AUGUSTA, GA 30901-2379 (706) 821-2335 ALL INVOICES AND CORRESPONDENCE MUST BE SENT TO ABOVE ADDRESS REGARDLESS OF SHIPPING DESTINATION.
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ITEM #	QUANTITY	UNIT	PRODUCT ID	DESCRIPTION	UNIT PRICE	AMOUNT
0001	1	EACH		2022 PROF SVCS WATER EFFICIENCY & LOSS DETECTION PROGRAM APPROVED BY COMMISSION 5/17/22, ITEM #25 506-04-3110/52-12999	194,160.00	194,160.00
0002	1	EACH		CO 1: ADDITIONAL SERVICES FOR AUD WATER LOSS PROGERAM APPROVED BY COMMISSION 11/07/2023, ITEM #27 506-04-3110/52-12999	50,000.00	50,000.00

CORRECTION:

DATE: 12/20/23 INITIALS: UW

ENCUMBRANCE:

DATE: _____ INITIALS: _____

- CONDITIONS - READ CAREFULLY**
1. The purchaser is exempt by statute from payment of Federal, State, and Municipal sales, excise and other taxes.
 2. Shipping charges prepaid by vendor.
 3. Payment will be made on complete shipments only, unless otherwise requested.
 4. **DELIVERY TICKET MUST ACCOMPANY GOODS.**
 5. No back orders. We will reorder if available.
 6. Please make deliveries between 9 A.M. and 4 P.M.
 7. All goods received with subsequent privilege to inspect and return at Vendor's expense if defective or not in compliance with our specifications.
 8. Indoor delivery if necessary.
 9. Payment Net 30 or according to contract.

NET TOTAL..... 244,160.00

APPROVED FOR ISSUE

G.A. SHIMS

103

REQUISITIONERPROCUREMENT DIRECTOR



Engineering Services Committee

February 24, 2026

Engineering Workforce Upward Mobility Plan

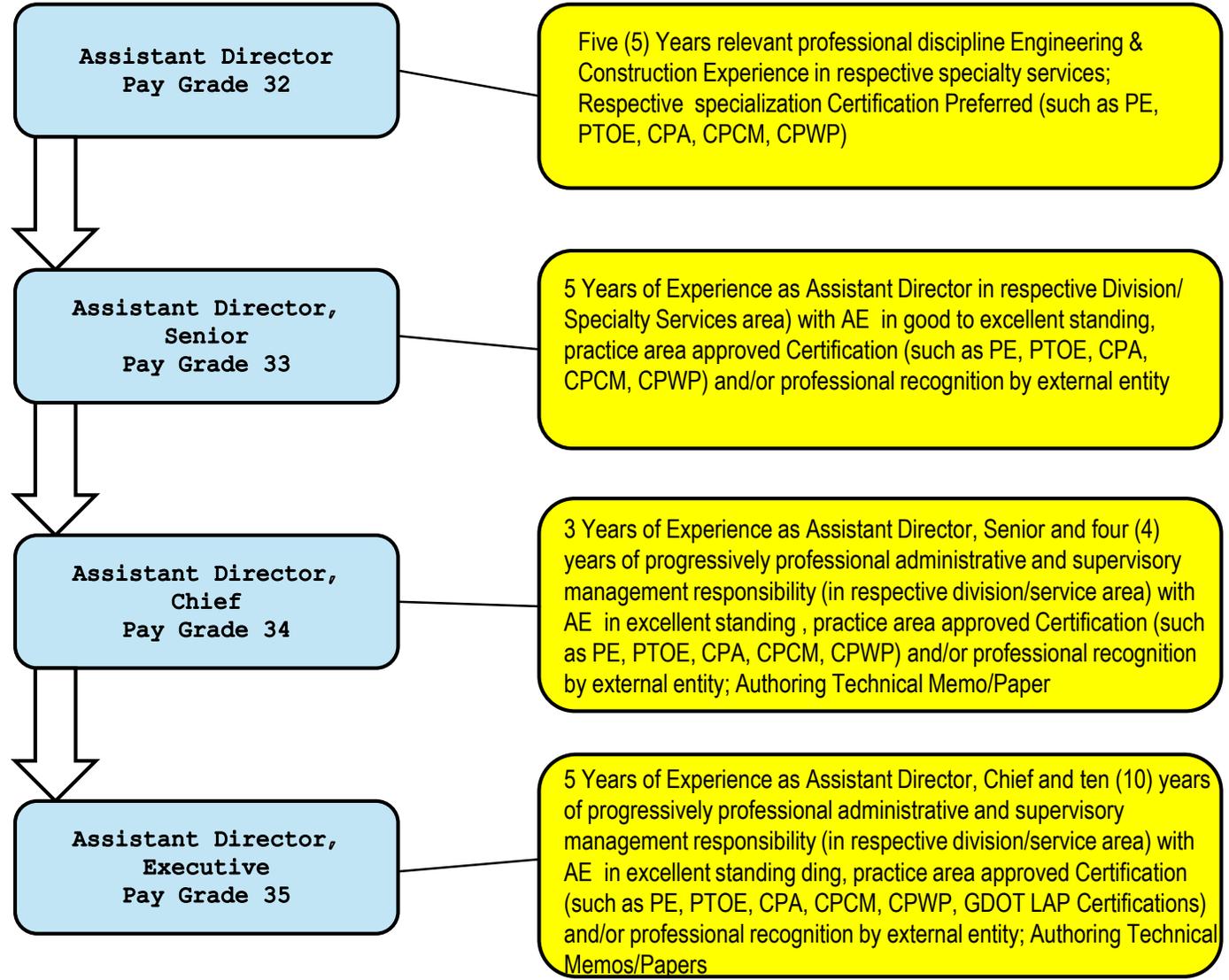
Department:	N/A
Presenter:	N/A
Caption:	Discuss and approve Engineering Workforce Upward Mobility Plan. (Requested by Commissioner Brandon Garrett)
Background:	N/A
Analysis:	N/A
Financial Impact:	N/A
Alternatives:	N/A
Recommendation:	N/A
Funds are available in the following accounts:	N/A
<u>REVIEWED AND APPROVED BY:</u>	N/A

February 17, 2026	Administrative Services Committee
Department:	Engineering & Environmental Services
Caption:	Approve Augusta Engineering Workforce Hiring & Retention-Updated Workforce “Upward Mobility Plan” (Exhibit A) to provide more efficient & productive structure, and enhance the Department specialized skilled experience workforce hiring & retention ability. Also approve “Upward Mobility Plan” Implementation Initiation effective date January 1, 2027.
Background	On January 22, 2009, Augusta Commission approved Augusta Engineering Department (AE) Career Ladder Plan (Plan) to create more efficient structure and increase productivity (EXHIBIT B). Since then AE went through operational restructuring & workforce optimization for increase efficiency & productivity. Hence, Augusta Commission approved 2009 career ladder became outdated and warrants update per AE current operational structure.
Analysis:	AE workforce upward mobility is critical to sustain and enhance improvement/optimization of AE operations efficiency, conflict avoidance, and productivity and work environment stability. Great employees are valuable and the cost of turnover compared to retention is enormous. It is critical to encourage an employee to stay at the Organization. AE updated workforce upward mobility plan is designed to help hire & retain valuable employees during periods of uncertainty and transition.
Financial Impact:	No Impact to Augusta Engineering FY2026 budgets.
Alternative:	Not proposed
Recommendations:	Approve Augusta Engineering Workforce Hiring & Retention-Updated Workforce “Upward Mobility Plan” (Exhibit A) to provide more efficient & productive structure, and enhance the Department specialized skilled experience workforce hiring & retention ability. Also approve “Upward Mobility Plan” Implementation effective date January 1, 2027.

EXHIBIT A
Augusta Engineering Workforce Upward Mobility Plan
2025

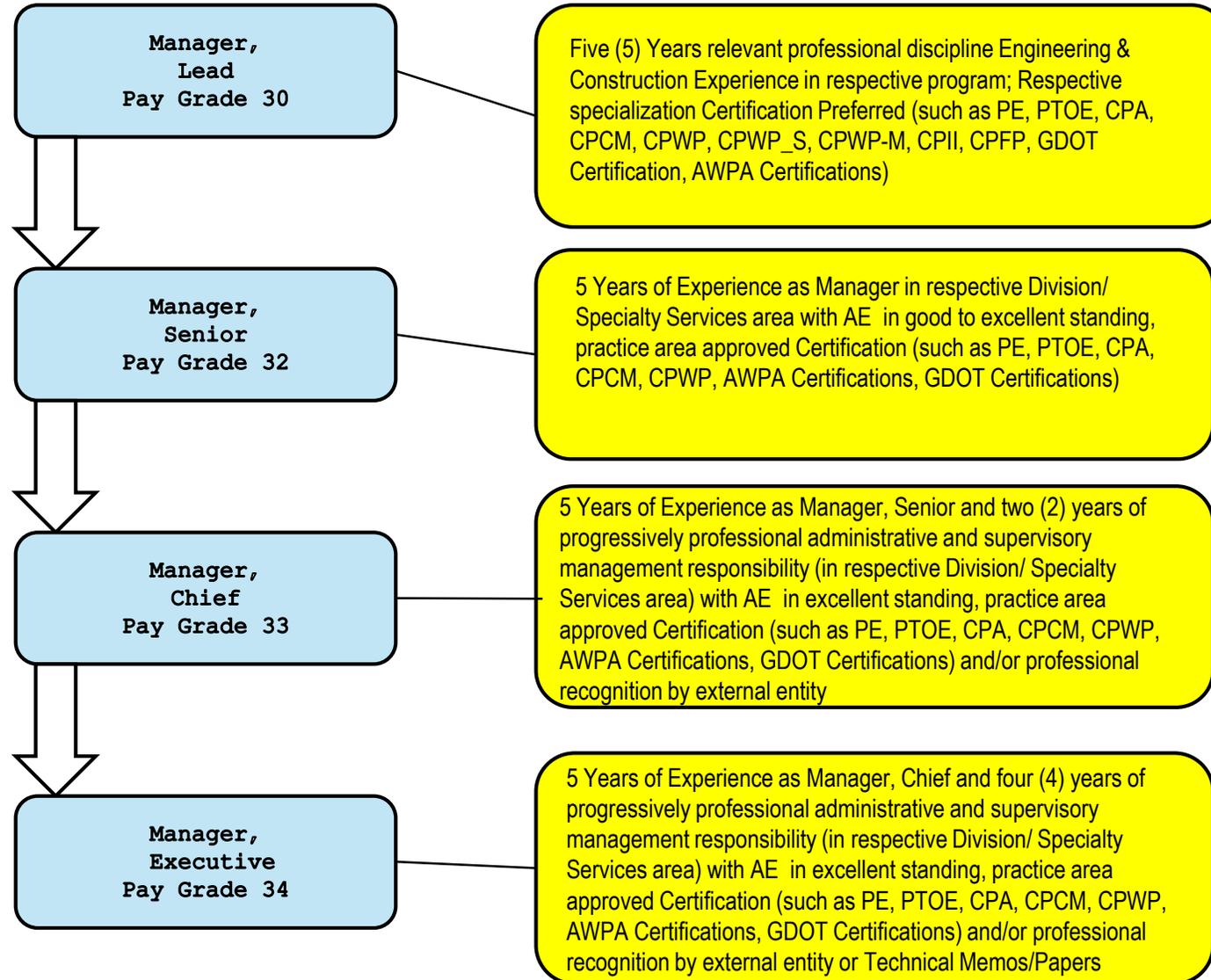
Augusta Engineering (AE) Assistant Director Group CAREER LADDER (Position Upward Mobility)

Engineering Assistant Directors Group



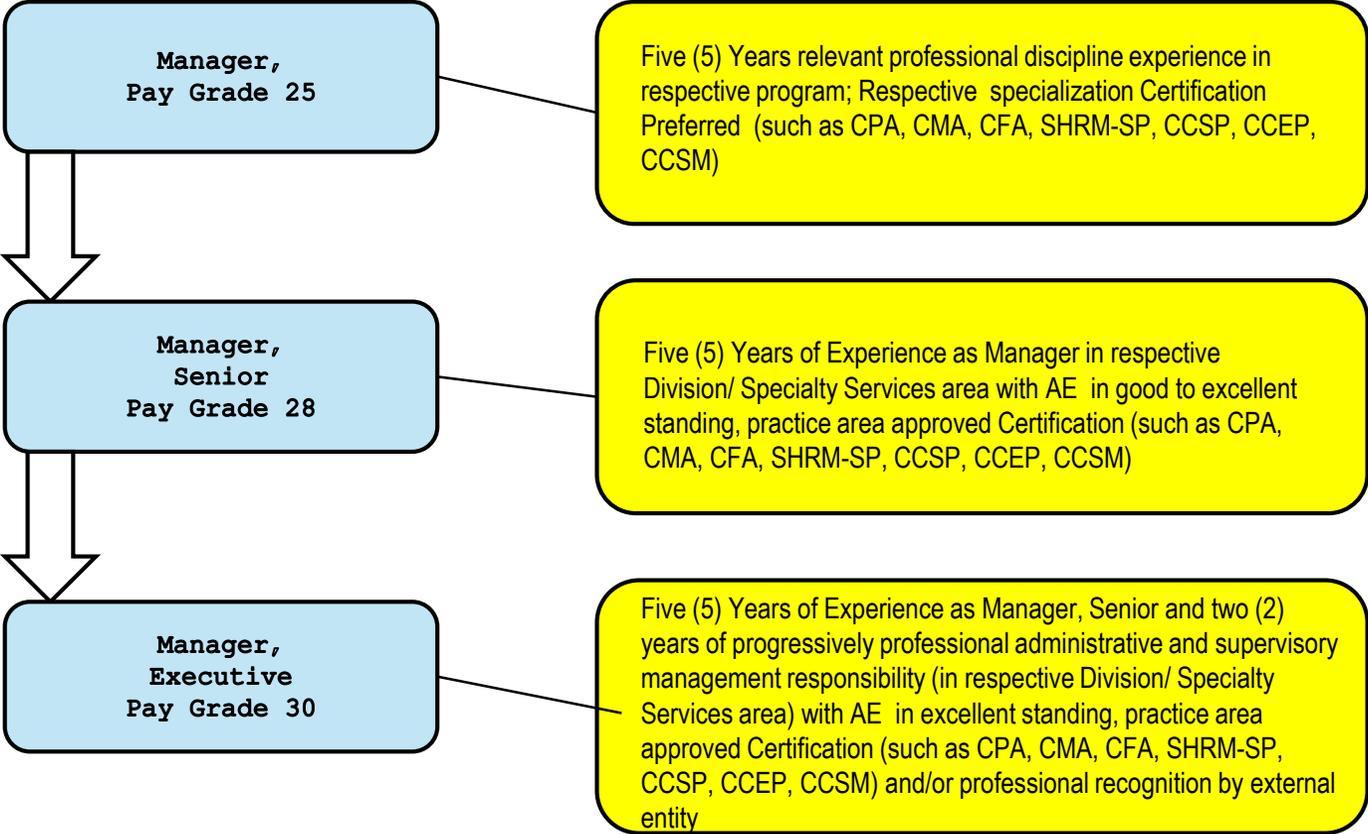
Augusta Engineering (AE) Engineering Manager Group CAREER LADDER (Position Upward Mobility)

Engineering Lead Managers Group



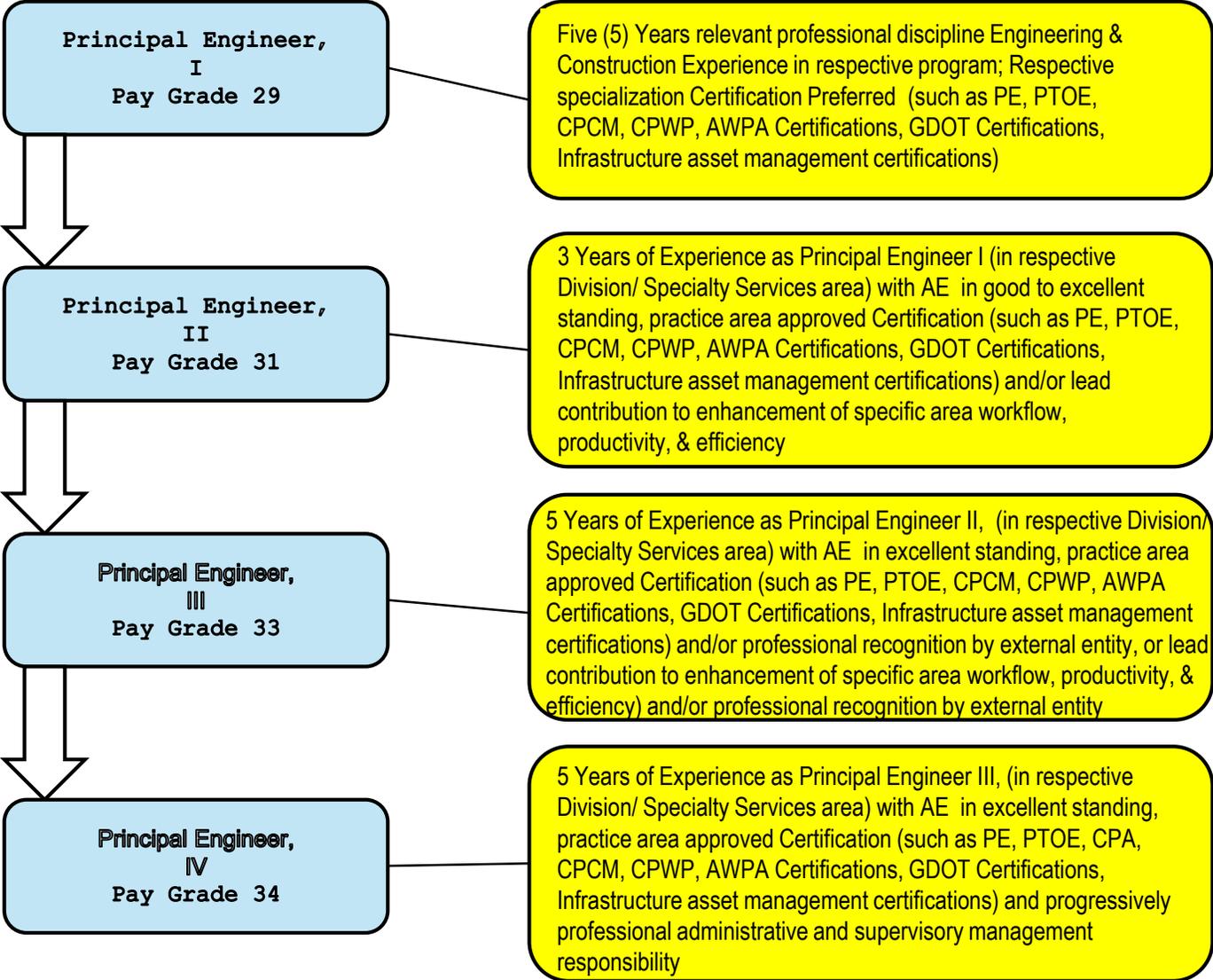
Augusta Engineering (AE) Engineering Manager Group CAREER LADDER (Position Upward Mobility)

Engineering Managers Group



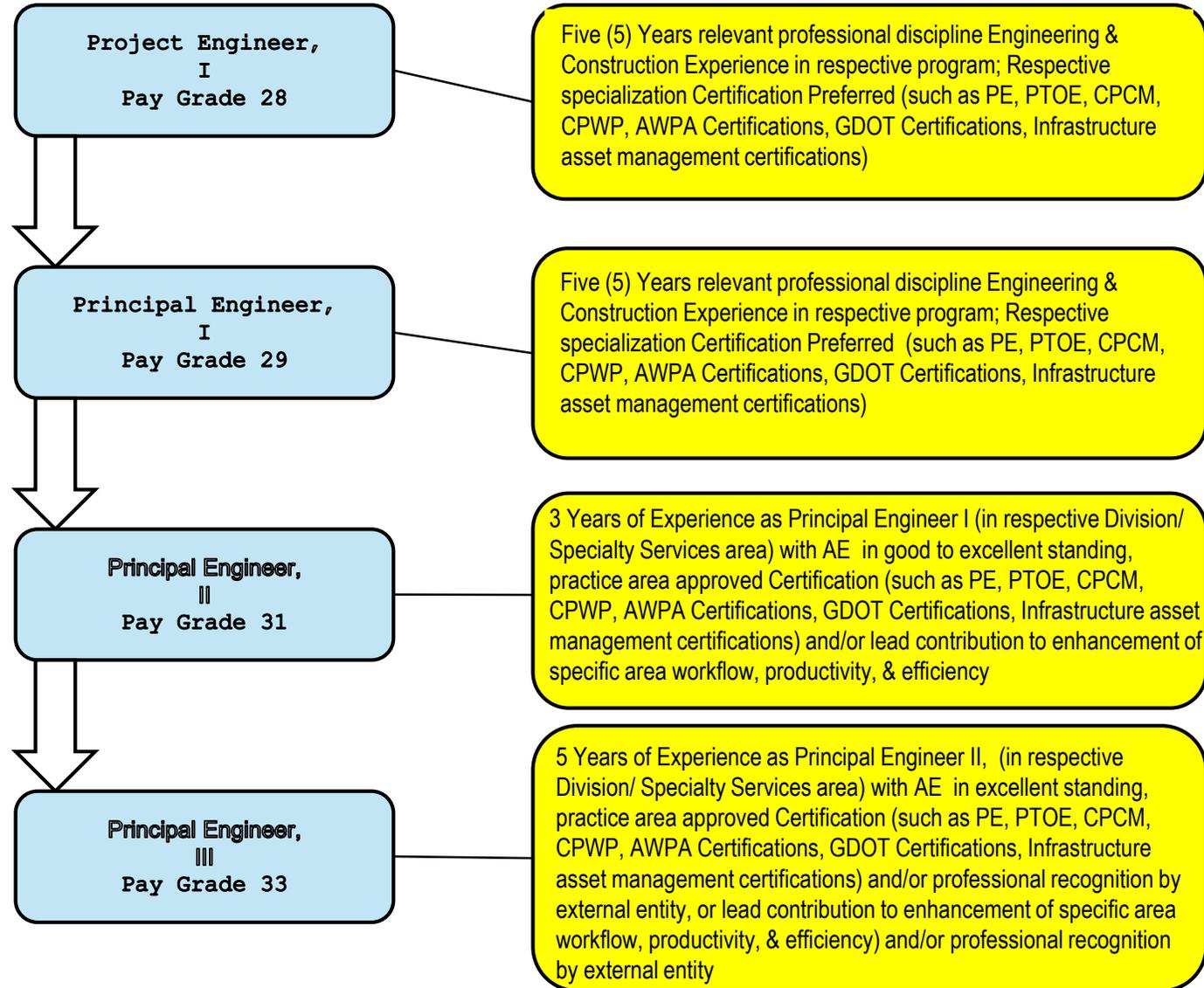
Augusta Engineering (AE) Engineering Principal Engineer & Surveyor Group CAREER LADDER (Position Upward Mobility)

Engineering Principal Engineers Group



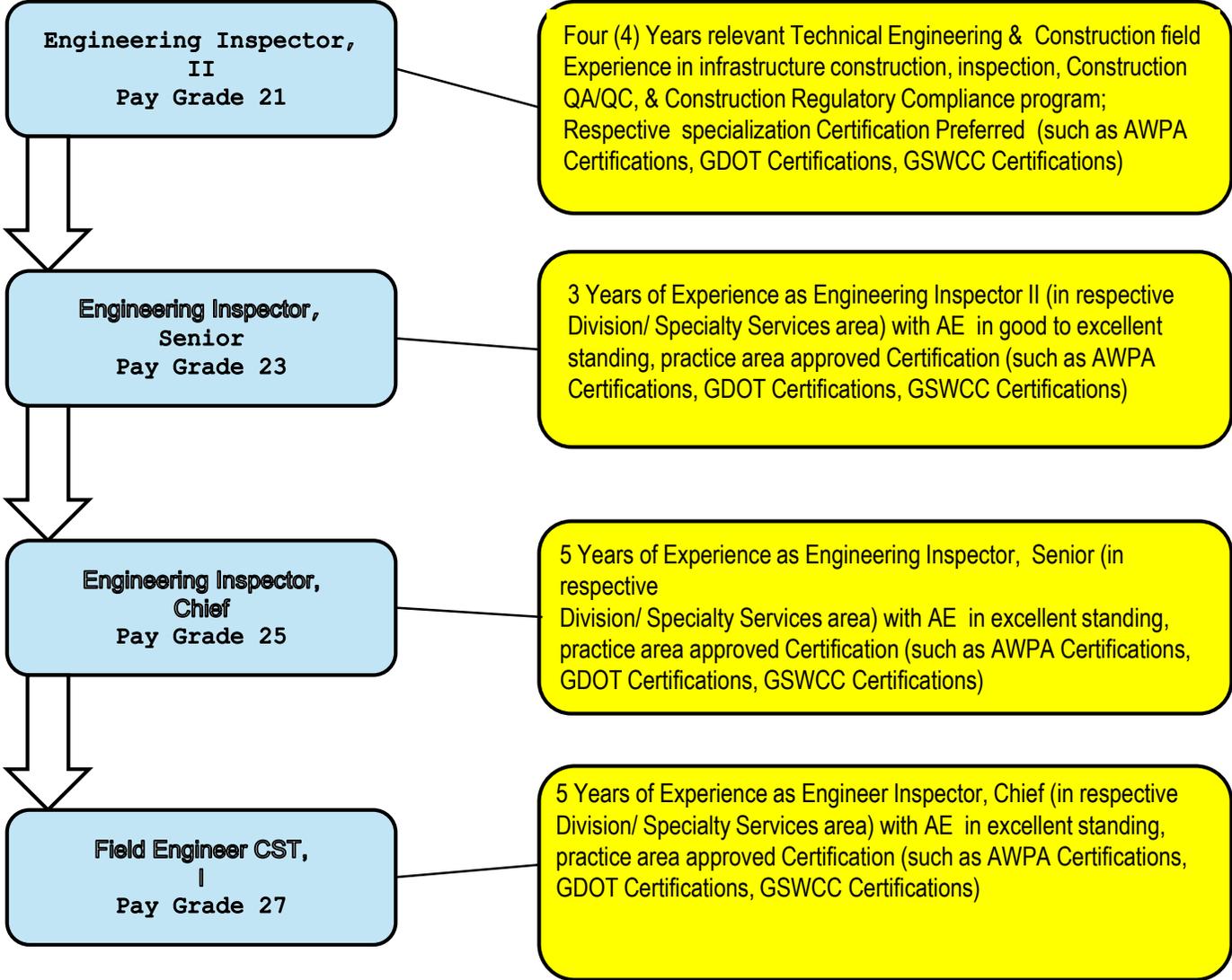
Augusta Engineering (AE) Engineering Project Engineer Group CAREER LADDER (Position Upward Mobility)

Engineering Project Engineers Group



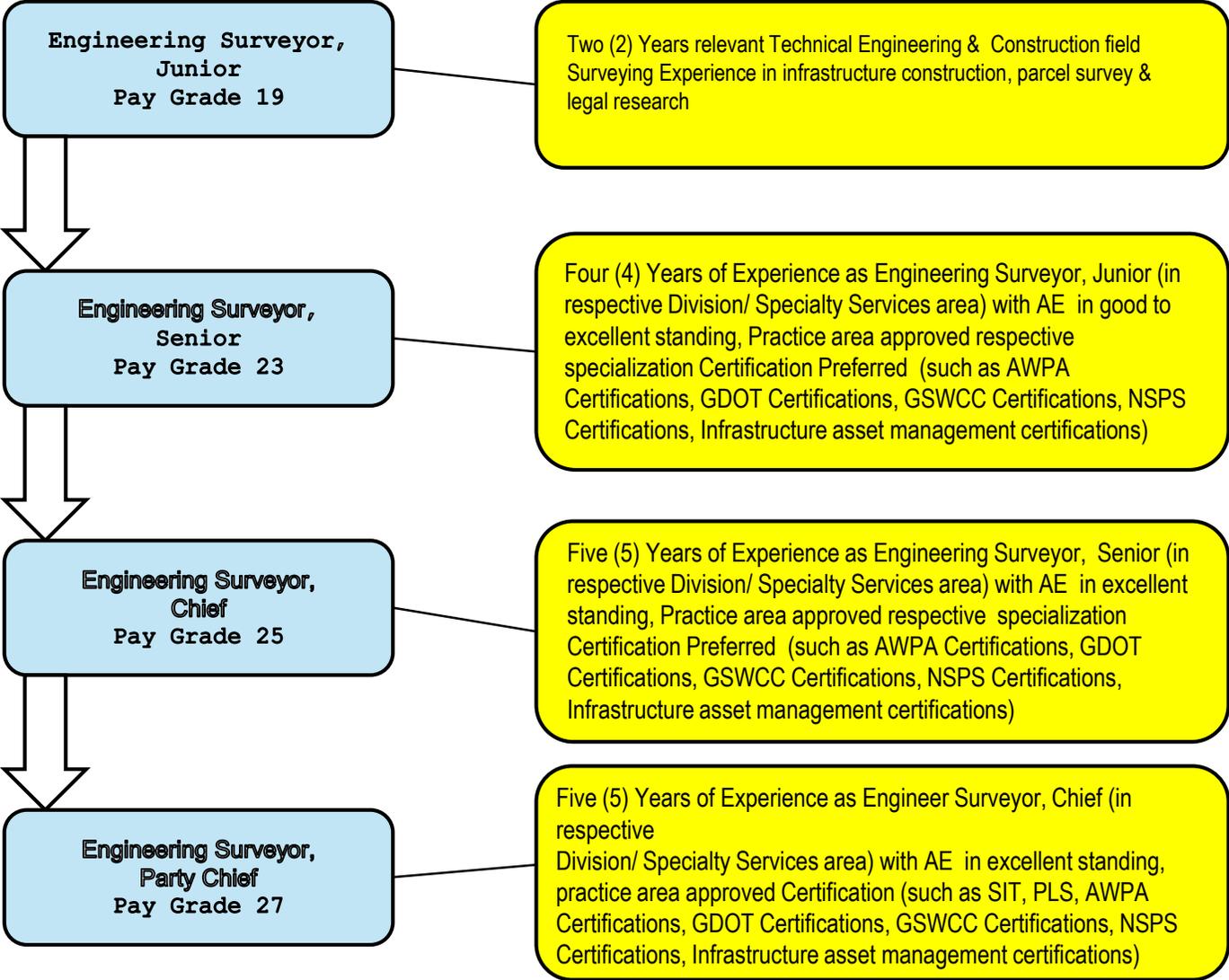
Augusta Engineering (AE) Engineering Infrastructure Inspection Group CAREER LADDER (Position Upward Mobility)

Engineering Infrastructure Construction Inspection & QC Group



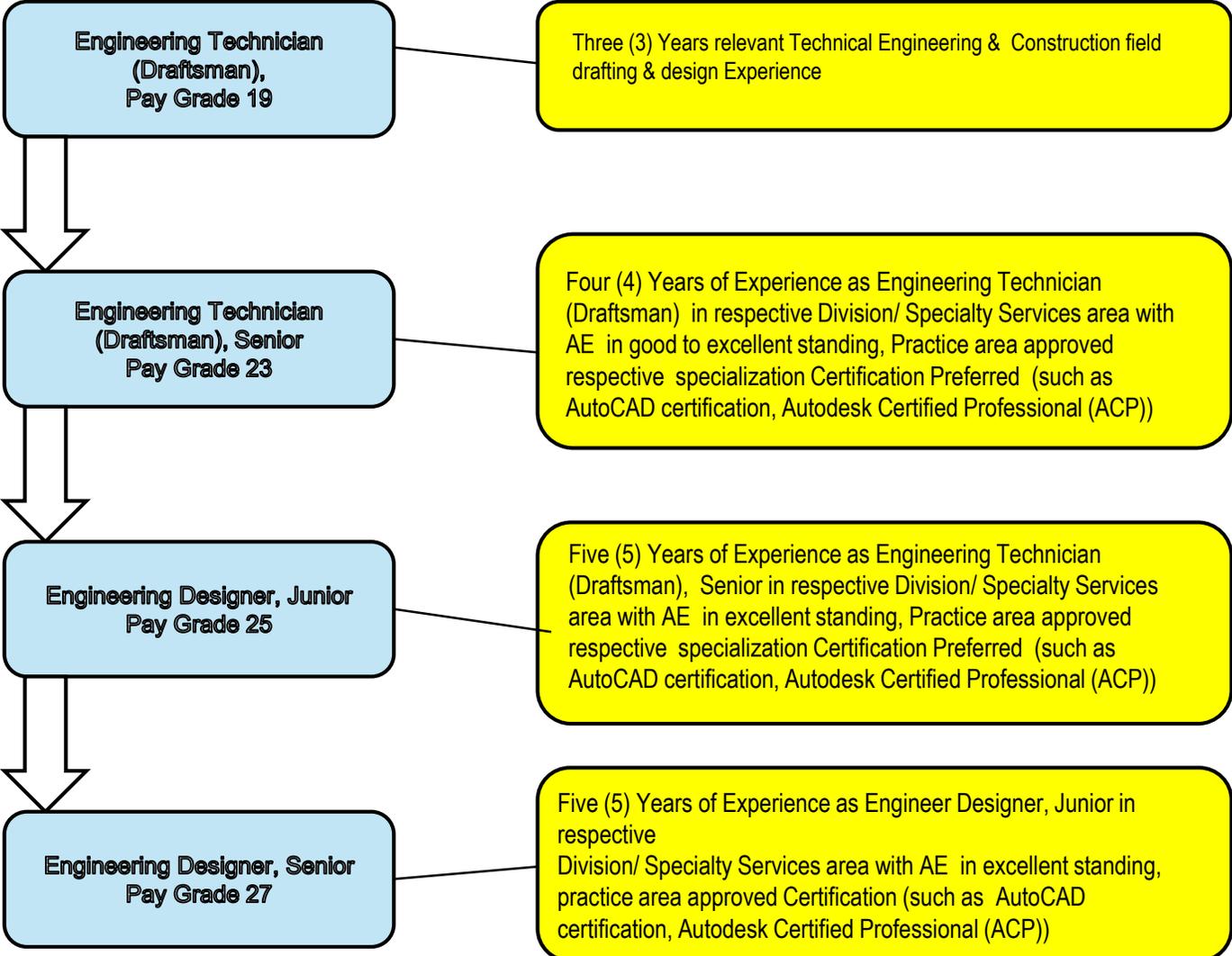
Augusta Engineering (AE) Engineering Surveying Group CAREER LADDER (Position Upward Mobility)

Engineering Surveyors Group



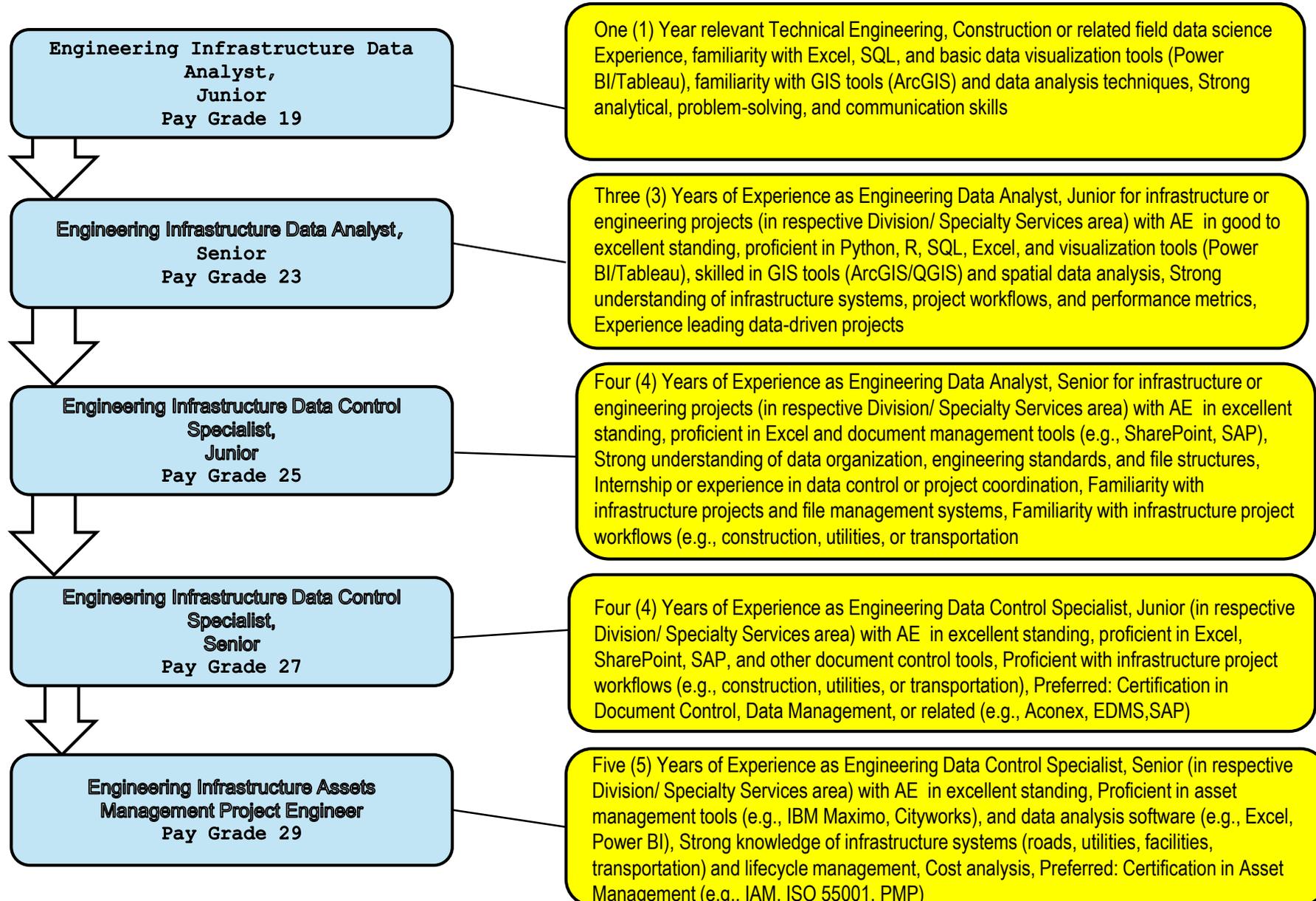
Augusta Engineering (AE) Engineering Surveying Group CAREER LADDER (Position Upward Mobility)

Engineering Drafting Group



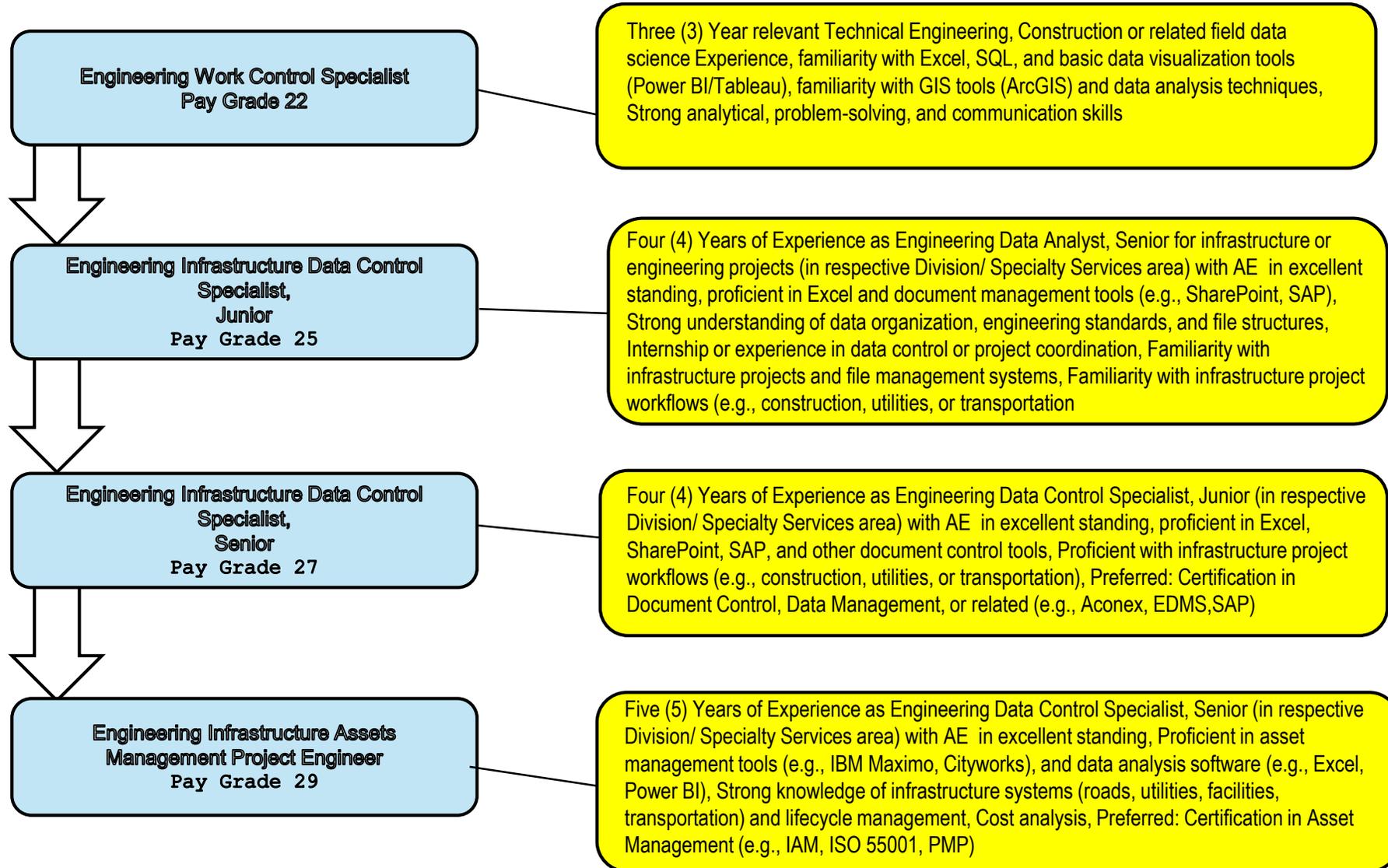
**Augusta Engineering (AE) Engineering Infrastructure Assets Management Group
CAREER LADDER (Position Upward Mobility)**

Engineering Assets & MS4 Data Management Group



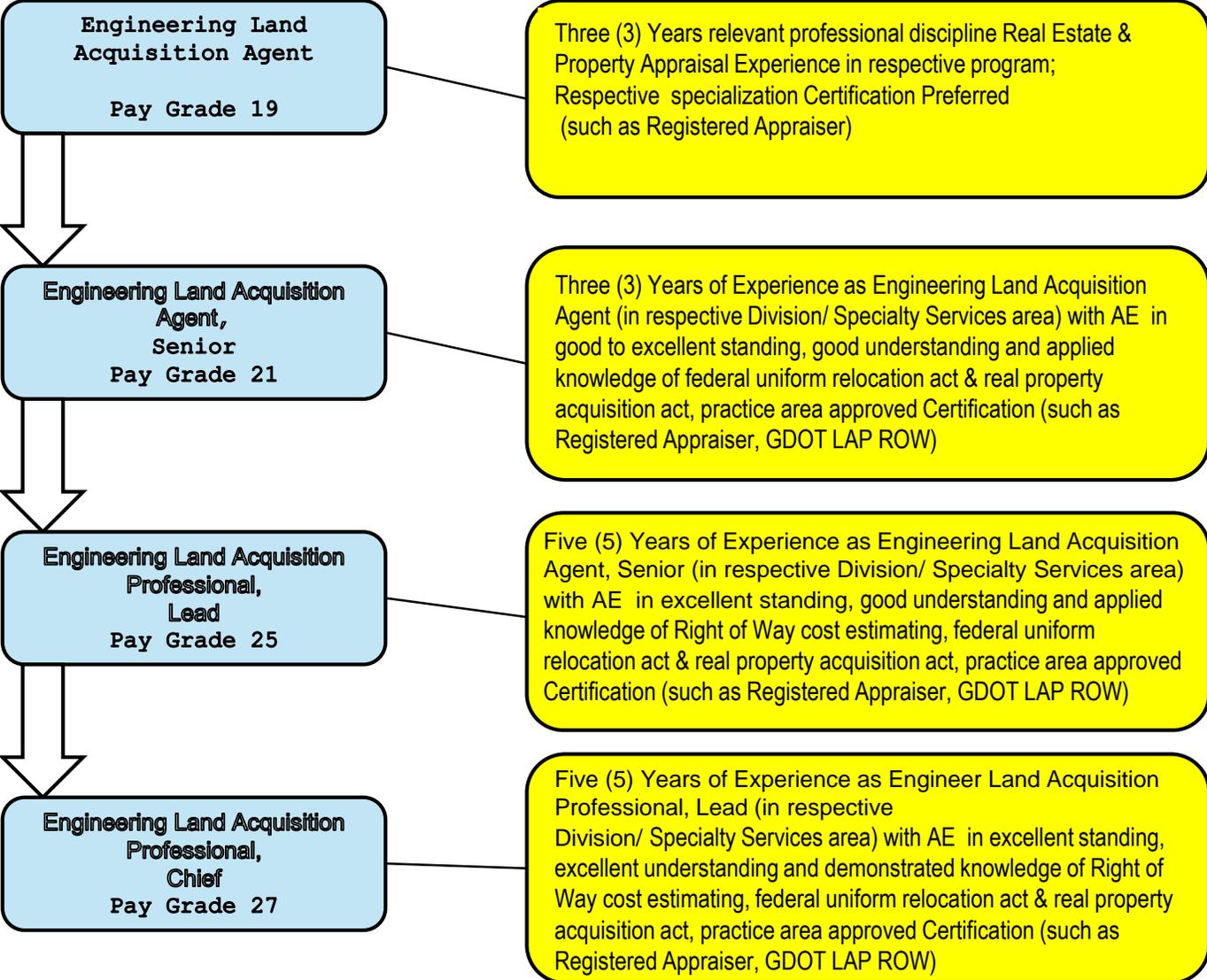
**Augusta Engineering (AE) Engineering Infrastructure Assets Management Group
CAREER LADDER (Position Upward Mobility)**

Engineering Assets & MS4 Data Management Group



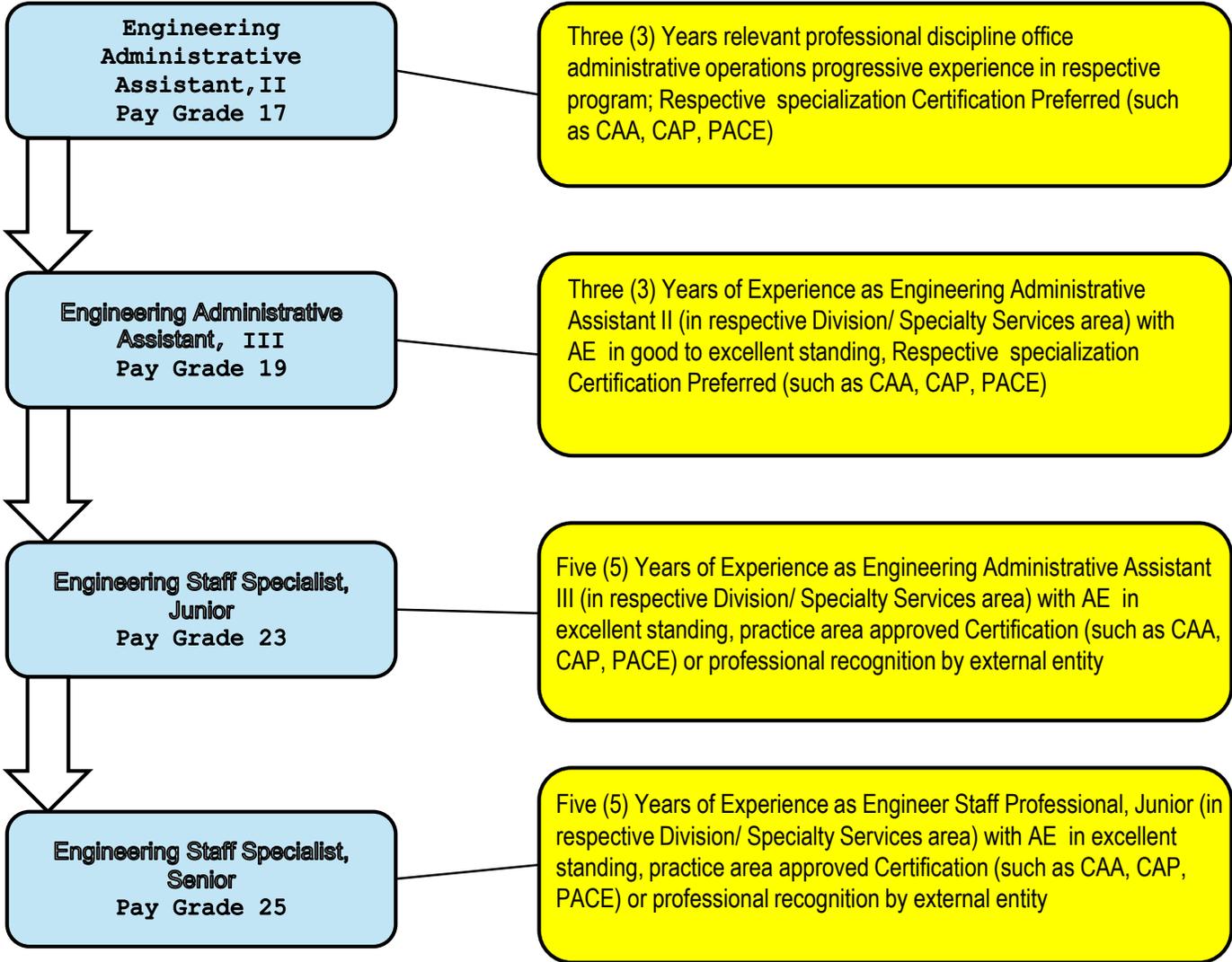
Augusta Engineering (AE) Engineering Land Acquisition & Right of Way Group CAREER LADDER (Position Upward Mobility)

Engineering Land Acquisition Group



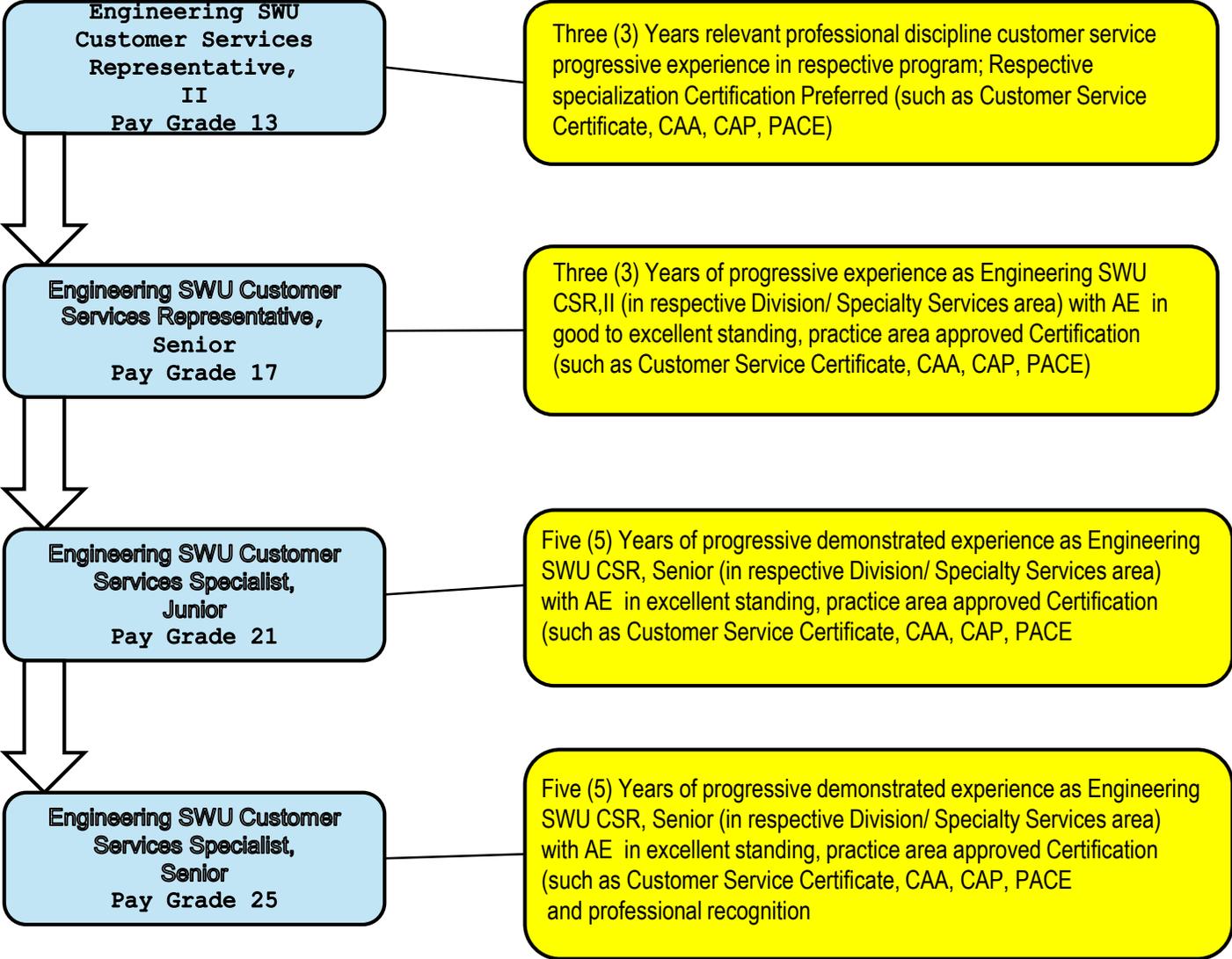
Augusta Engineering (AE) Engineering Office Administrative Group CAREER LADDER (Position Upward Mobility)

Engineering Administrative Assistant Group



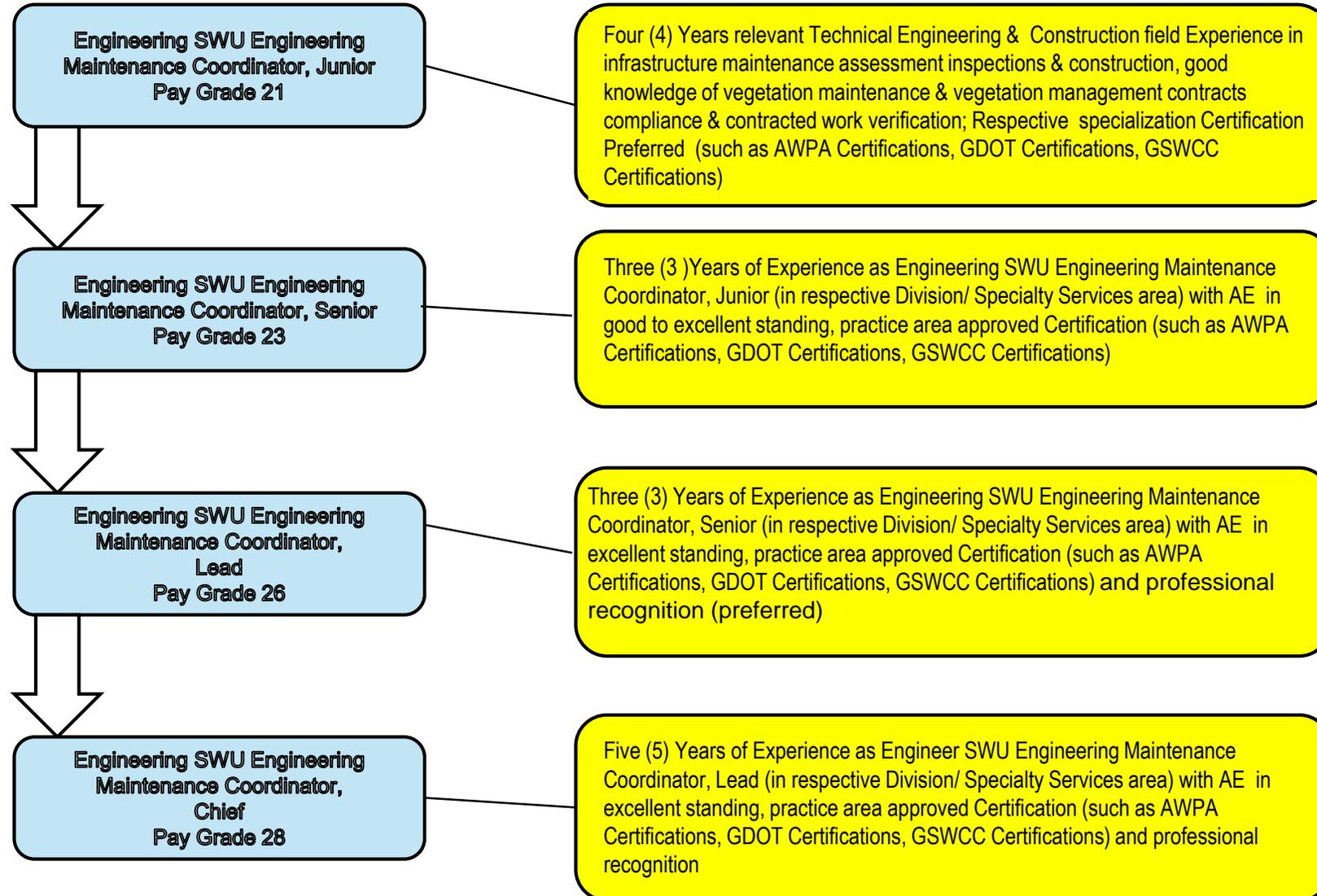
Augusta Engineering (AE) Engineering Stormwater Utility Group CAREER LADDER (Position Upward Mobility)

Engineering SWU CSRs Group



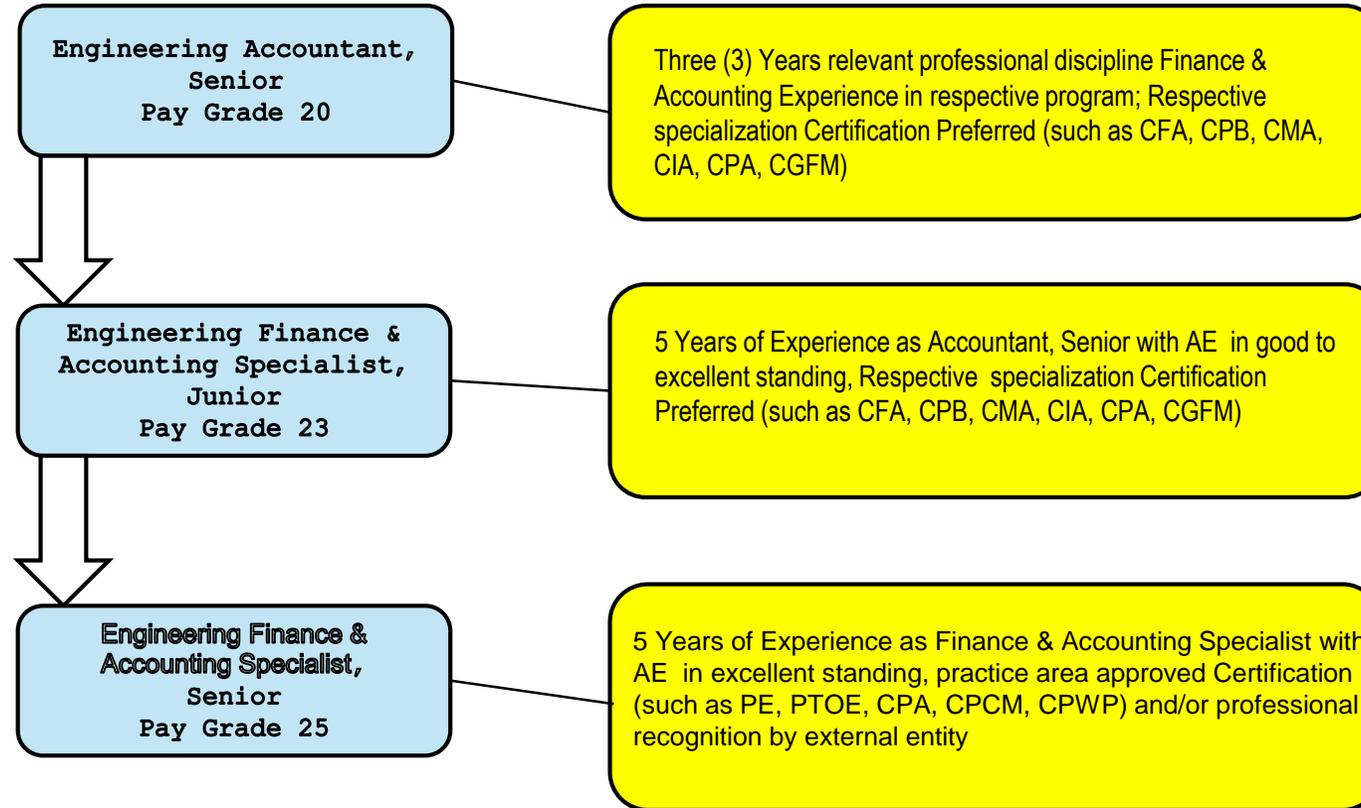
Augusta Engineering (AE) Engineering Stormwater Utility Group CAREER LADDER (Position Upward Mobility)

Engineering SWU Coordinator Group



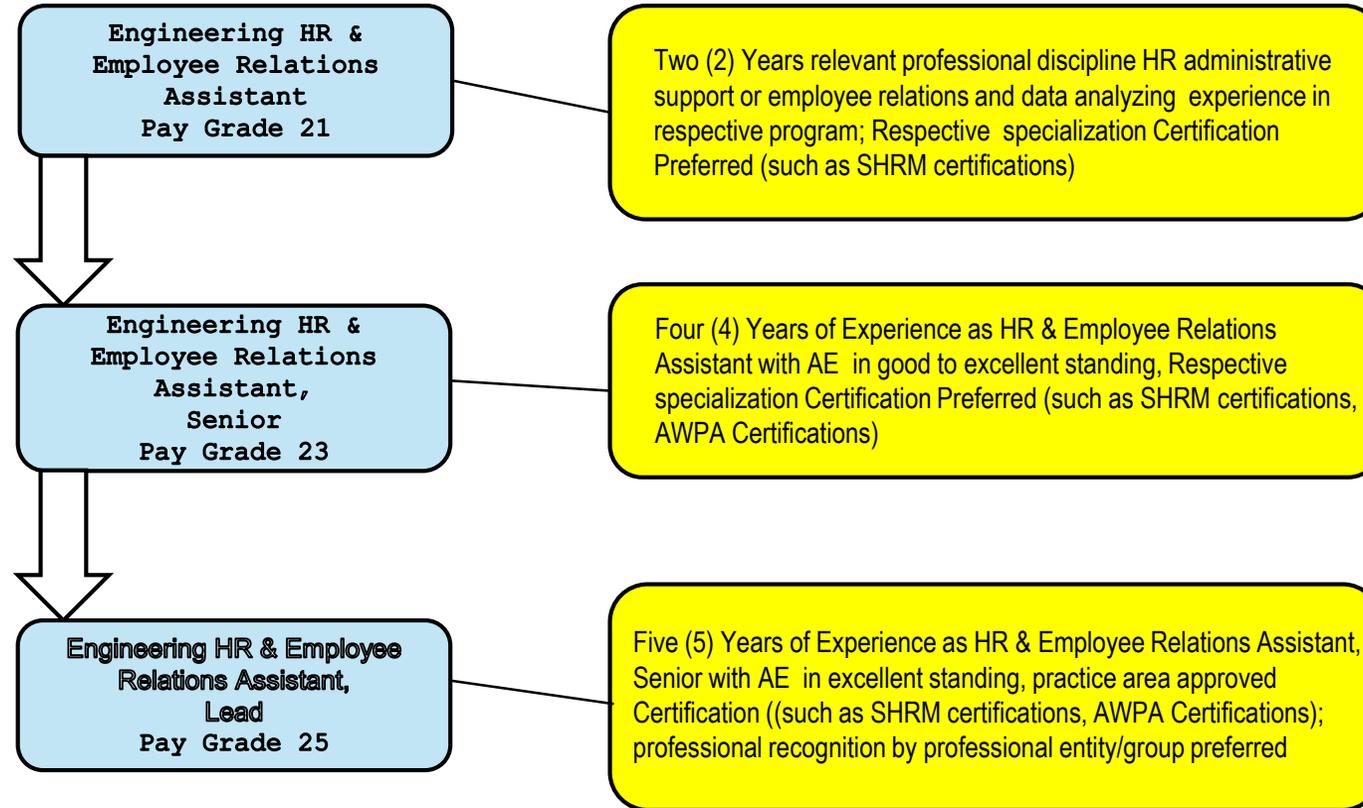
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Finance & Accounting Group



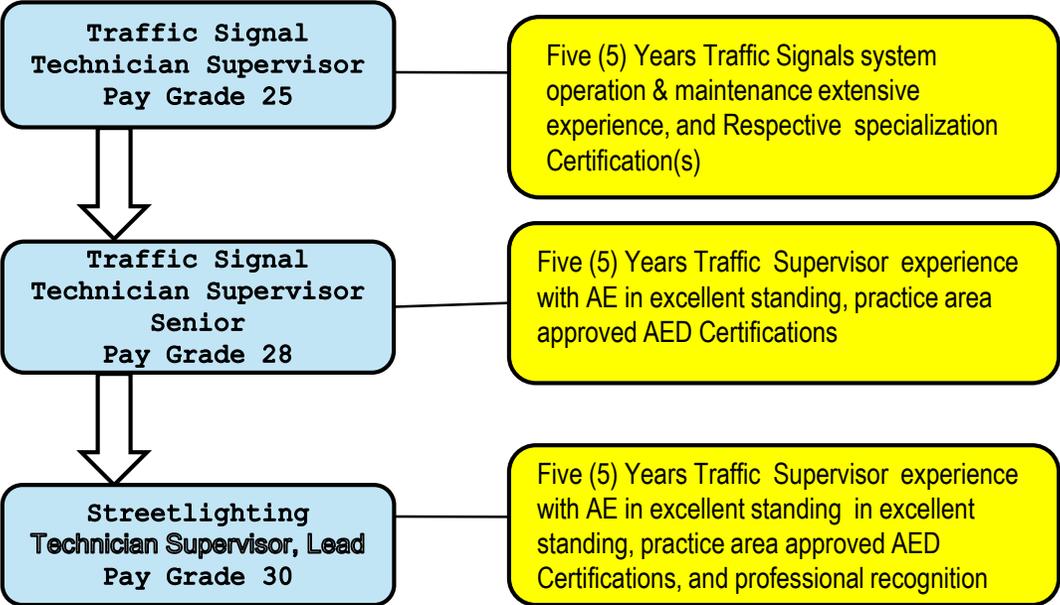
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering HR & Employees Relations Group



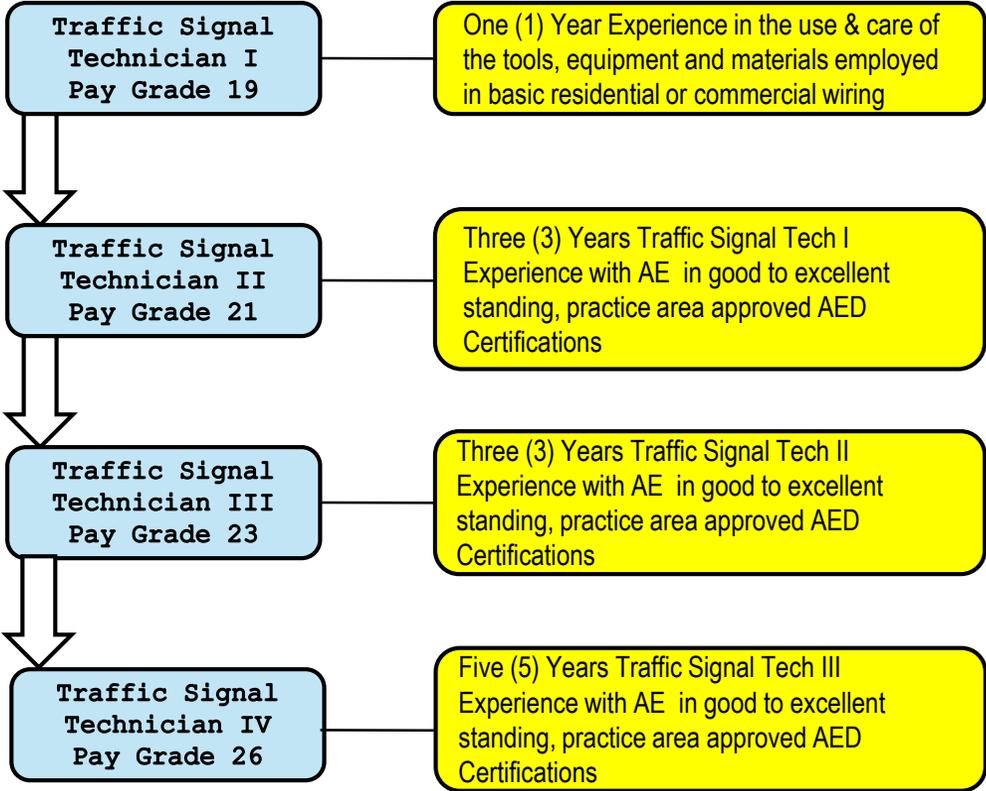
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Streetlighting Operation Group



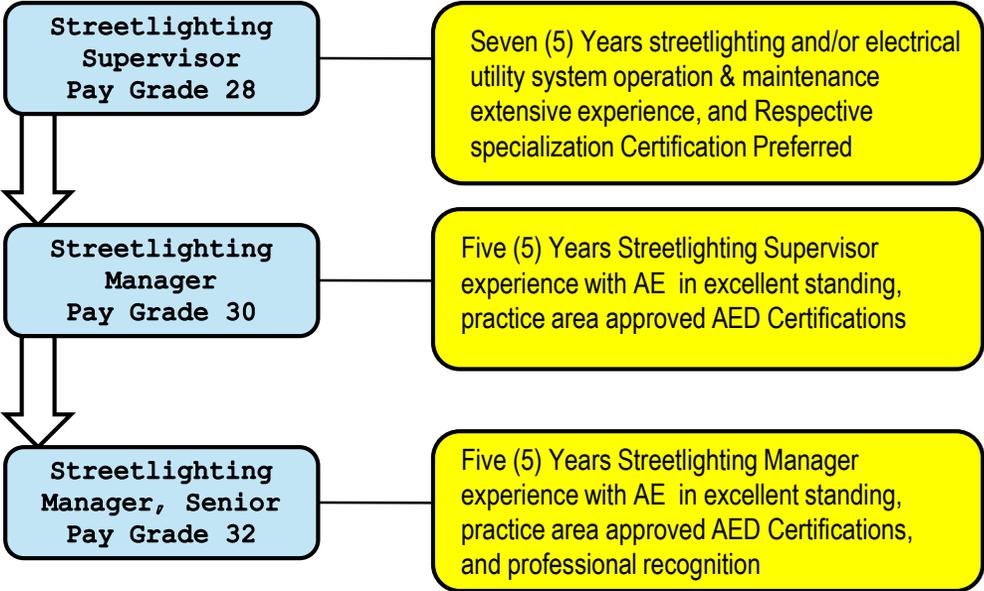
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Traffic Signal Operation Group



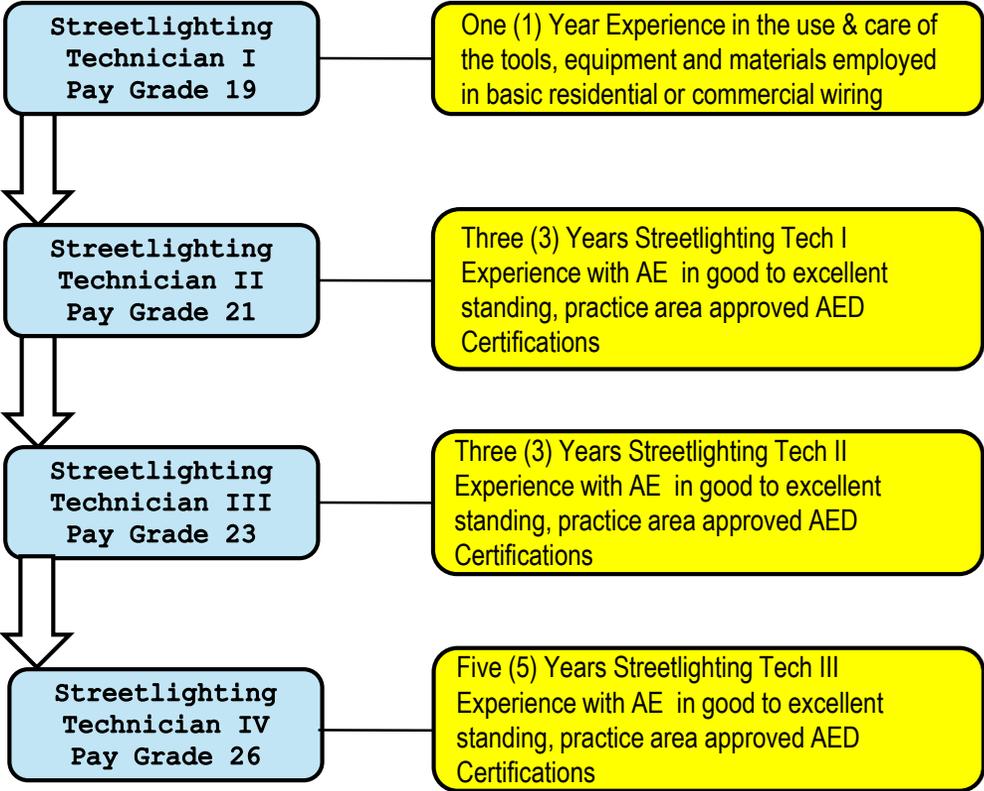
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Streetlighting Operation Group



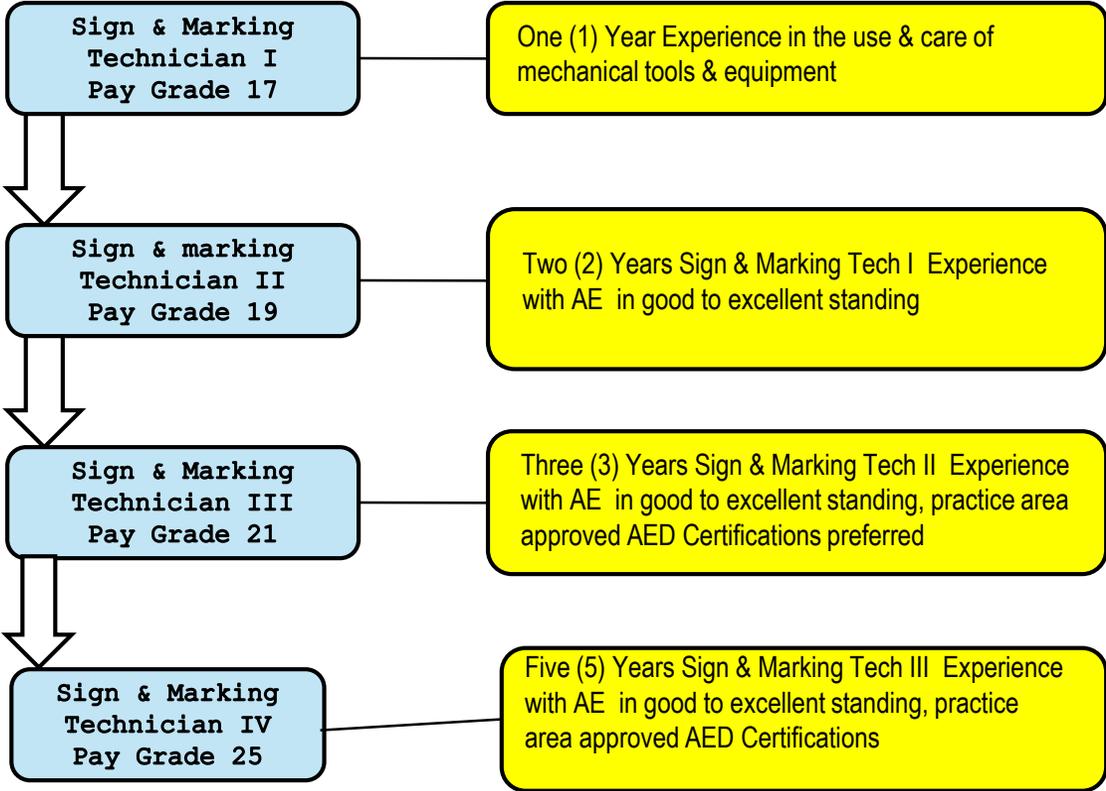
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Streetlighting Operation Group



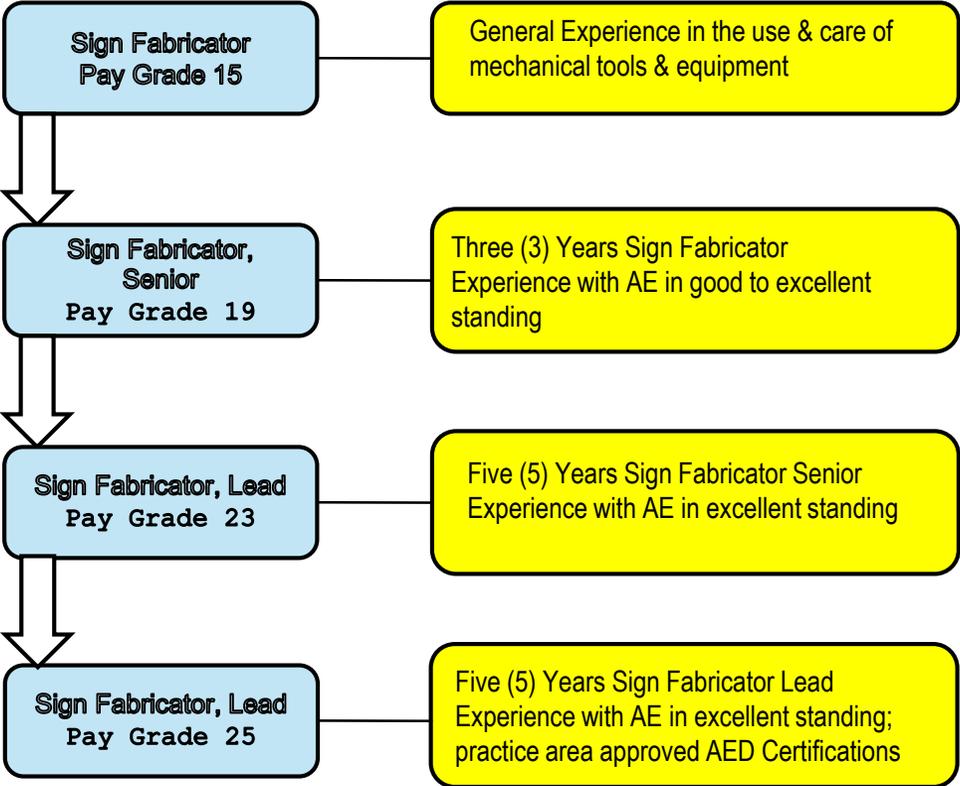
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Roadway Signs & Marking Operation Group



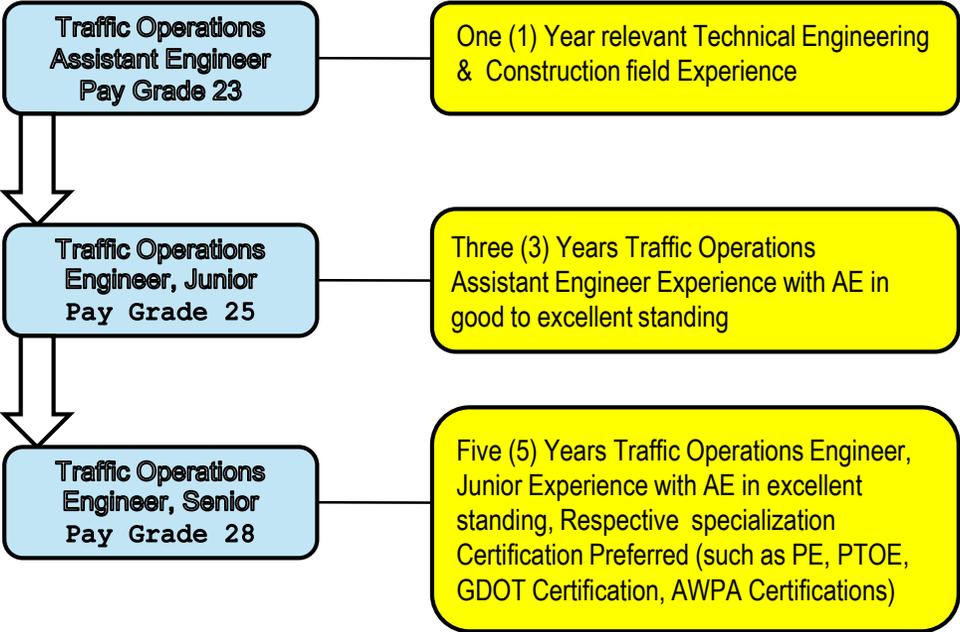
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Roadway Sign & Marking Operation Group



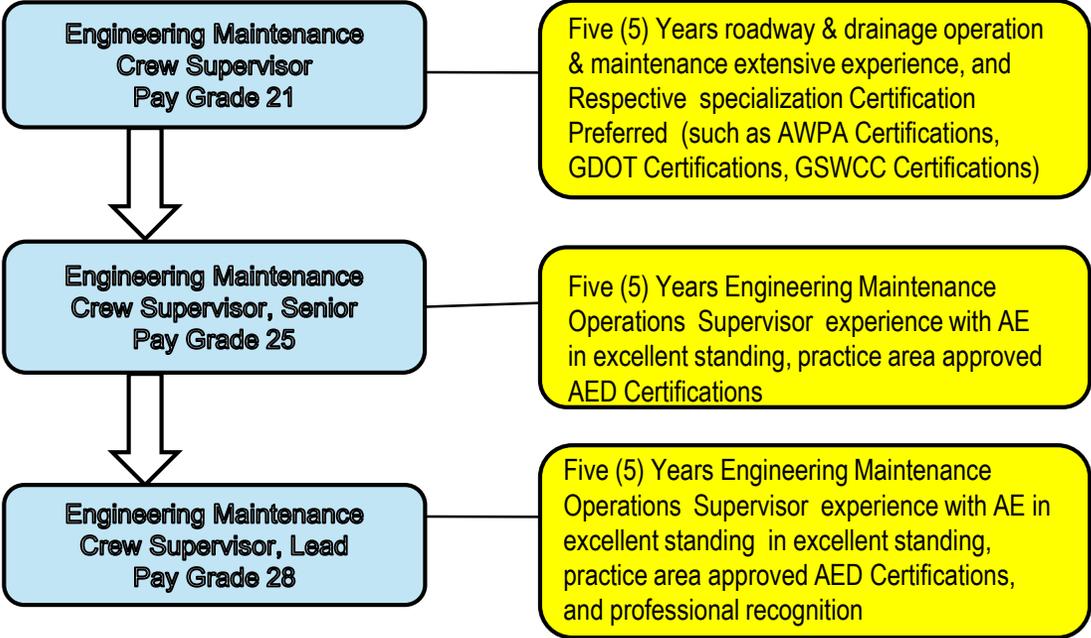
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Traffic Engineering Studies & Design Group

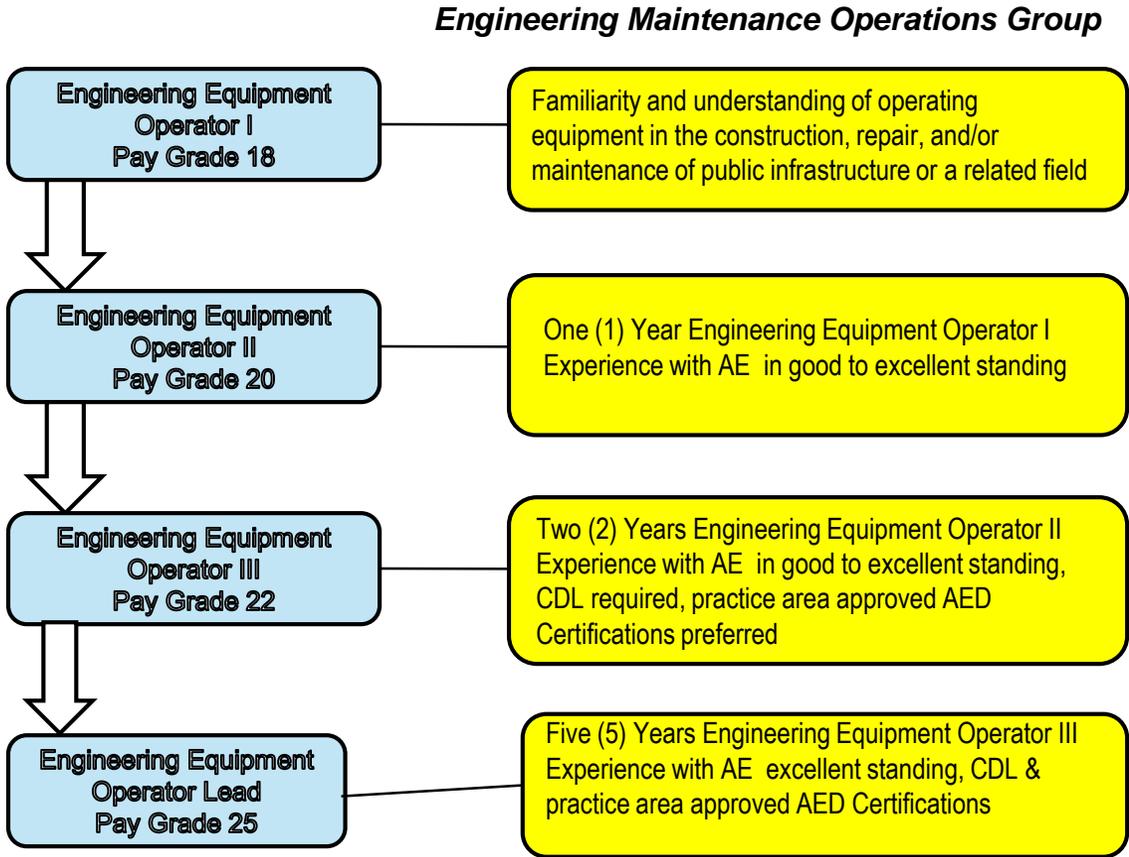


Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group

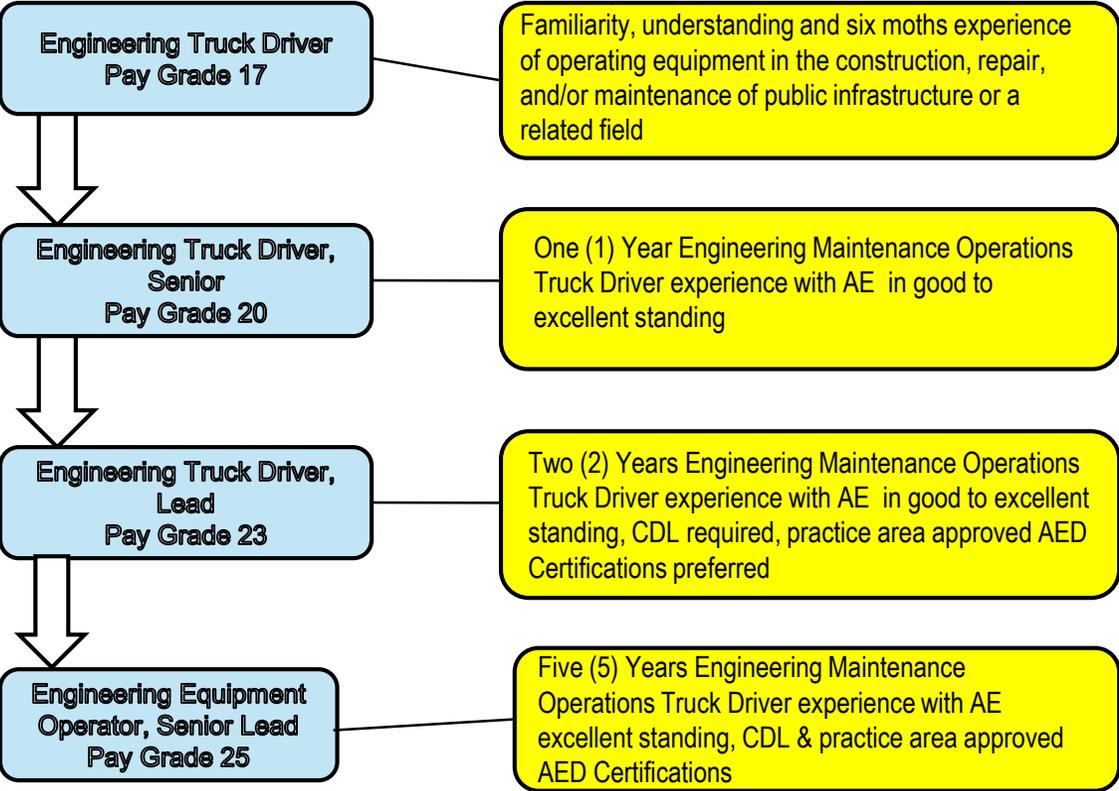


Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)



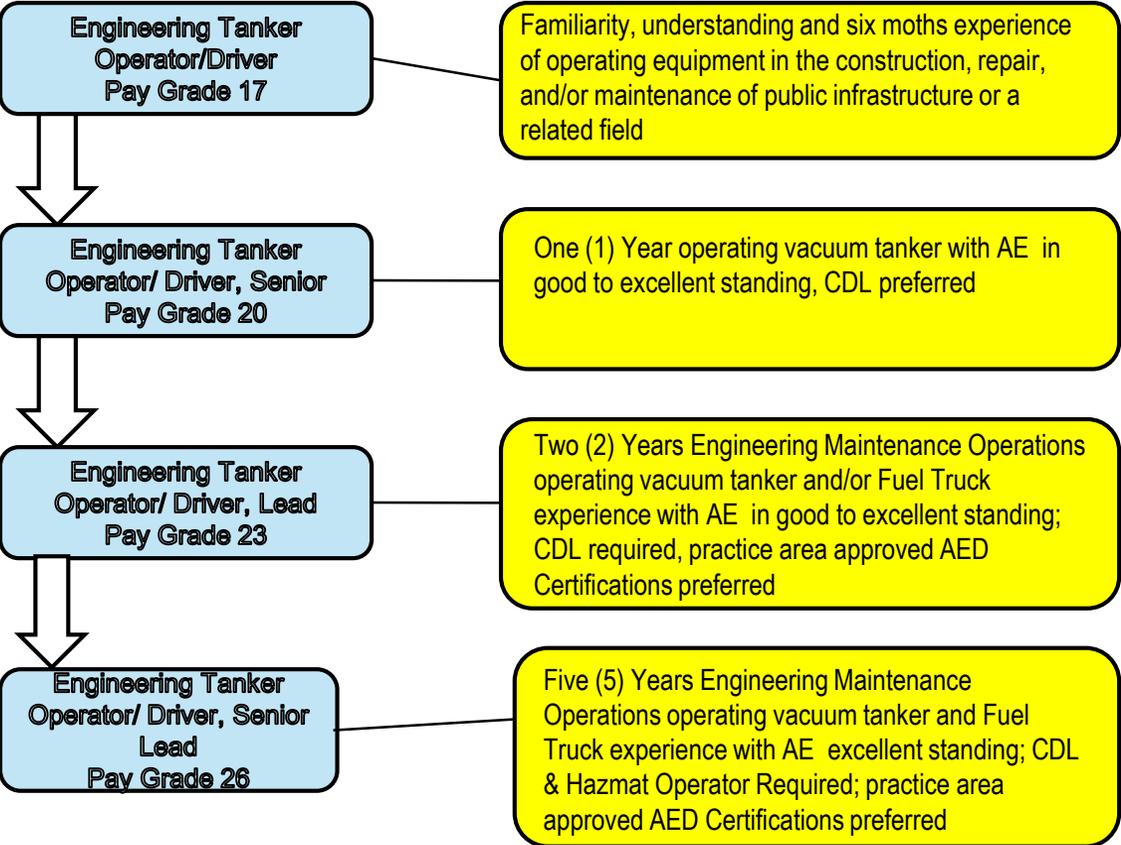
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group

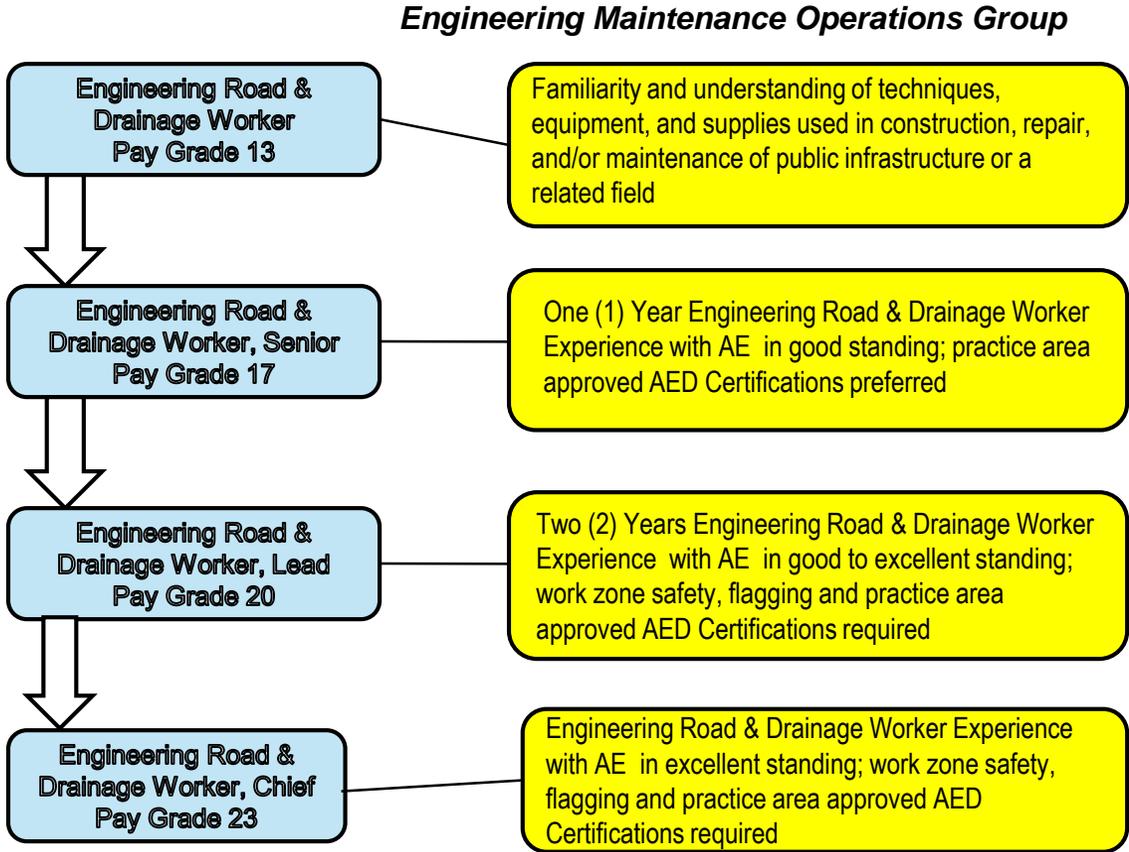


Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group

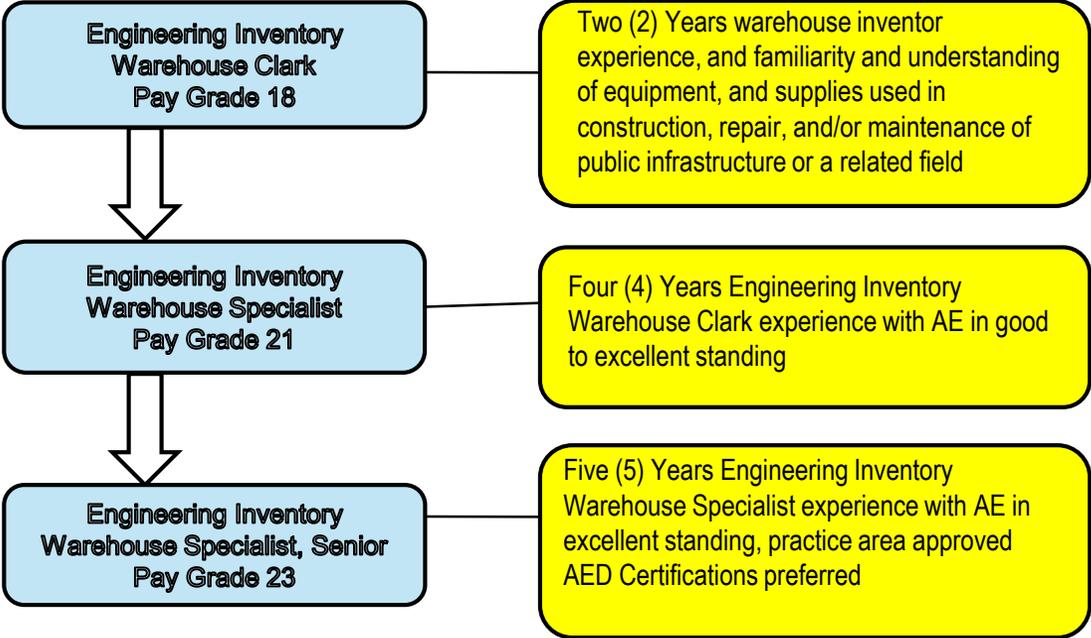


Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)



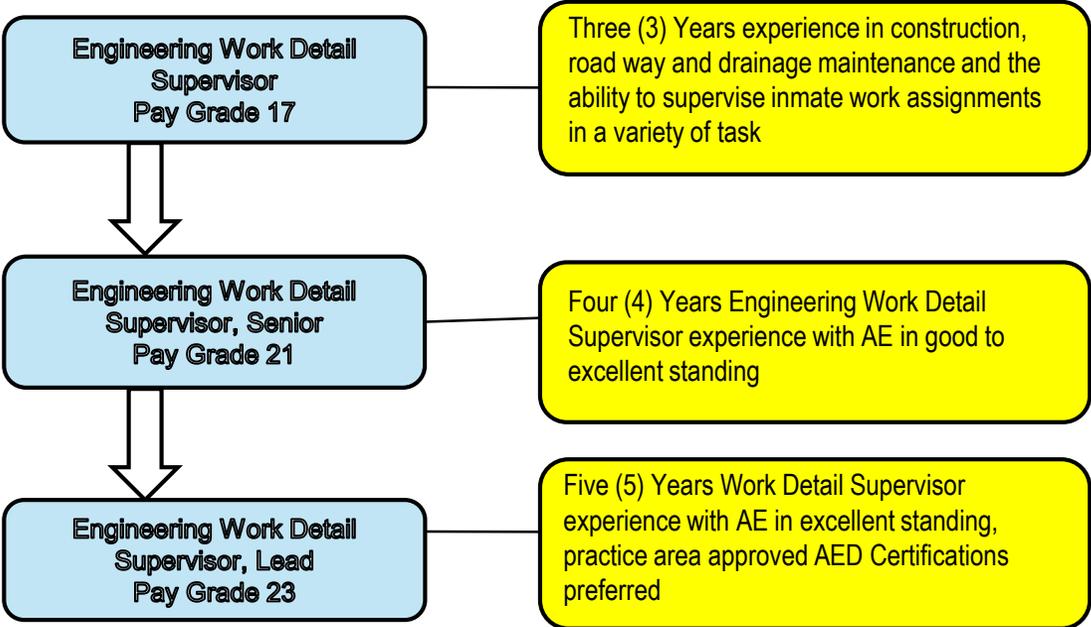
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group



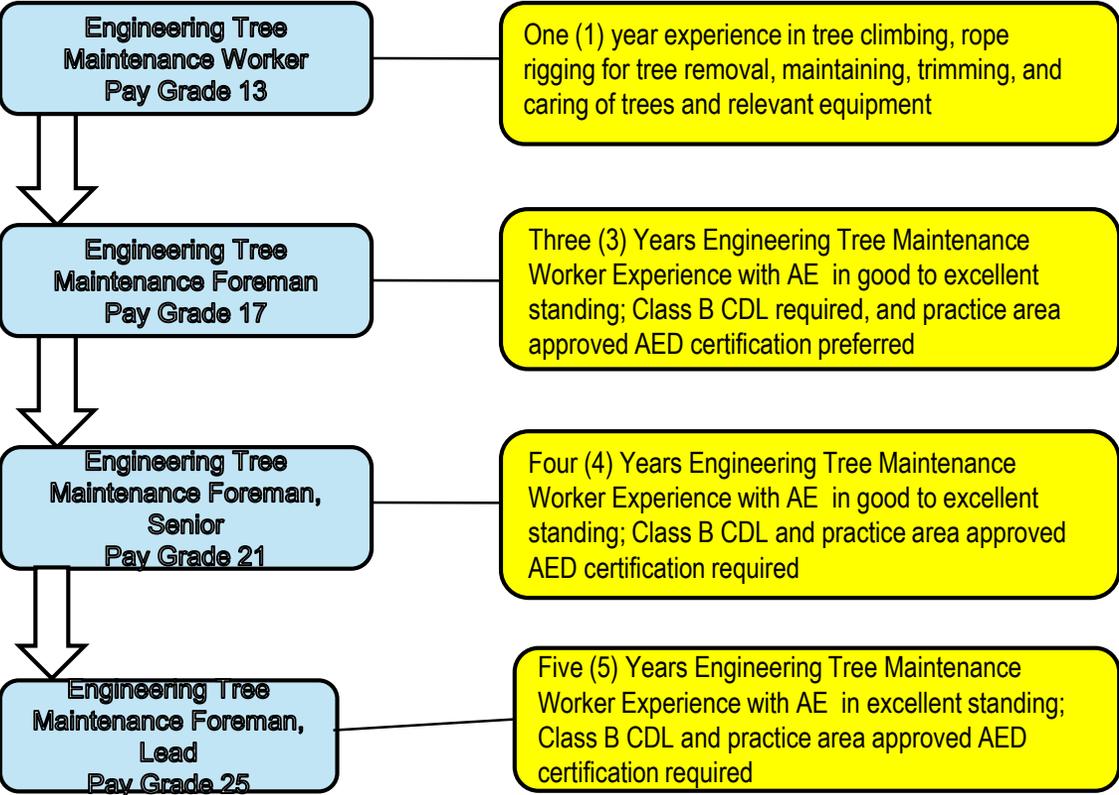
Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group



Augusta Engineering (AE) Engineering Finance & Accounting Group CAREER LADDER (Position Upward Mobility)

Engineering Maintenance Operations Group



AUGUSTA ENGINEERING
Engineering Operations Workforce Professional Development, Career Ladder & Positions
Upward Mobility PROGRAM
2025

COMPENSATION FOR DEGREES, LICENSES, AND CERTIFICATIONS

A. DEGREES:

Proposed pay increases for degrees are as follow:

- 1. Associate Degree: **\$3,000**
- 2. Bachelors Degree: **\$3,000**
- 3. Masters Degree: **\$3,000**
- 4. Doctor of Philosophy: **\$3,000**

Degrees must be directly related to an employee specific role & responsibilities, and must be approved by the employee Assistant Director(s), and Director of the Engineering Department. Degrees will have to be earned during employment with Augusta-Richmond County Engineering Department. An employee highest degree will be the base for pay increases (*e.g., an employee will not receive a pay increase if he or she has a Bachelors Degree and goes back to obtain an Associate degree*). Special and/or rare situations will be determined by the Engineering Department Director.

B. LICENSES:

Proposed pay increases for each Professional Licenses (such as PE, POTE, CPA, PLS, CCM, CPM, etc) will be **Ten Percent (10%)** added to the employee’s current salary. Licenses must be directly related to an employee specific role & responsibilities, and must be approved by the employee Assistant Director(s), and Director of the Engineering Department. Prior professional licenses before employment with Augusta-Richmond County will not be acceptable for a pay increase. License must be obtained while employed with Augusta-Richmond County Engineering Department.

LIMITATION: A maximum of one License every 2 years. Total maximum compensation \$4,000.00.

C. CERTIFICATIONS:

Proposed pay increases for each Professional Certifications will be **Five Percent (5%)** added to the employee’s current salary. Certifications must be directly related to an employee specific role & responsibilities, and must be approved by Assistant Director(s), and Director of the Engineering Department. Prior Certifications before employment with Augusta-Richmond County will not be acceptable for a pay increase. Certifications must be obtained while employed with Augusta-Richmond County Engineering Department. Certifications are considered proof of a level of knowledge in one’s field and not training. Therefore, it is essential that the employee has the knowledge to pass the certification test prior to being allowed to take any certification examination. For this reason, the County will pay for fee and travel expenses to cover one attempt at each certification. All subsequent attempts will be at the employee’s own expense. Applied aspect of knowledge demonstrated through a certification is critical. It is expected that the certification will enhance an employee work efficiency and technical know-how. Therefore, the employee has to demonstrate improvement in his/her work productivity and work quality.

LIMITATION: A maximum of one Certification every 2 years. Total maximum compensation \$3,000.00.

(NOTE: Individuals that received Degrees, Licenses, Certifications post December 2024 that is directly related to their job description/duties, will be grandfathered into the program and receive the proposed pay increases.)

D. PROFESSIONAL DEVELOPMENT/ CAREER ENHANCEMENT:

Augusta Engineering strongly encourage and support its workforce continuous professional development & at work career enhancement. With emerging technologies & products, advancement in problem solving approaches, and applied critical thinking & Artificial Intelligence, Augusta Engineering workforce simultaneous professional skills advancement is equally critical for provided services optimization and delivery in a timely and cost effective manner. Transitioning services delivery build on quantitative data driven strategy is pressing need. Such approach should be dynamic, adoptive to emerging technology changes. Hence Augusta Engineering supports and strongly encourage its workforce pursuing degree or certification in their area of work/specialization. Augusta Engineering will cover such professional advancement associated cost cover. Such Professional Development Degree or Certification must be directly related to an employee specific role & responsibilities, and must be approved by the Director of the Engineering Department prior to registering courses for such degree and/or certification programs. The employee must continue to work within Augusta Engineering for at least four (4) years (Stay Term) after completing aforementioned degree or certificate, or courses (program).The employee will be required to reimburse the Augusta, Georgia/Engineering if employee decided to leave Augusta Engineering prior to completing Stay Term.

ENGINEERING DEPARTMENT APPROVED DEGREES, LICENSES, AND CERTIFICATIONS

DEGREES

1. Associate, Bachelor, Master, and Doctor of Philosophy Degrees:
 - Civil Engineering or Civil Engineering Technology
 - Environmental Engineering or Environmental Technology
 - Engineering Graphics (CAD)/GIS
 - Geology
 - Hydrology
 - Chemistry
 - Biology
 - Business (Finance, Accounting, etc.)
 - Soil Science
 - Secretarial Science
 - Land Surveying
 - Job Function related Degree as approved by the Engineering Department Director

LICENSES

1. Licensed Professional Geologist (PG)
2. Licensed Professional Land Surveyor (PLS)
3. Licensed Professional Engineer (PE)
4. Professional Traffic Operation Engineer (PTOE)
5. Real Estate License
6. Certified Public Accountant
7. Any other Professional License issued by a Professional Board/Organization and related to area of work

CERTIFICATIONS

1. Engineer-In-Training (EIT) Certification
2. Land Surveyor-In-Training (LSIT) Certification
3. Registered Appraiser
4. Relocation Specialist
5. Certified Professional in Erosion and Sediment Control (CPESC)
6. Certified Professional in Storm Water Quality (CPSWQ)
7. Certified Erosion, Sediment and Storm Water Inspector (CESSWI)
8. Certified Floodplain Manager (CFM)
9. Public Works Certification (Augusta Technical College)
10. Public Works Certification (American Public Works Association)
11. Autodesk Certification Program
12. GIS Certification Institute (GISCI)
13. National Institute for Certifications in Engineering Technology (NICET)
 - Construction Materials Testing
 - Asphalt
 - Concrete
 - Soils
 - Geotechnical
 - Generalist
 - Construction
 - Exploration
 - Laboratory
 - Land Management and Water Control
 - Erosion and Sediment Control
 - Transportation
 - Bridge Safety Inspection
 - Highway Construction
 - Highway Design
 - Highway Maintenance
 - Highway Materials
 - Highway Surveys
 - Highway Traffic Operations
 - Highway System Maintenance and Preservation
 - Underground Utilities Construction
 - Stormwater and Wastewater System Inspection
14. Certified IMSA Work Zone Safety
15. IMSA Traffic Signal Level I
16. IMSA Traffic Signal Level II
17. IMSA Traffic Signal Level III
18. IMSA Traffic Preventative Maintenance
19. IMSA Traffic Signal Inspections

20. IMSA Signing and Marking Level I
21. IMSA Signing and Marking Level II
22. IMSA Signing and Marking Level III
23. IMSA Roadway Lighting Level I
24. ISMA Roadway Lighting Level II
25. Traffic Engineering Fundamentals
26. Traffic Signal at Local Intersections
27. Improving Operational Safety on Local Roads and Streets
28. Traffic Operations Practitioner Specialist (TOPS)
29. Traffic Signal Operations Specialist (TSOS)
30. Certified Public Works Professional-Supervision (CPWP-S)
31. Certified Public Works Professional-Management (CPWP-M)
32. Certified Public Fleet Professional (CPFP)
33. Certified Public Infrastructure Inspector (CPII)
34. Certified Stormwater Manager (CSM)
35. GDOT Material Technician Certifications
36. GDOT Local Administered Projects (LAP) Certification
37. Certified Construction Manager (CCM)
38. Project Management Profession (PMP)
39. Certified Safety Manager Construction (CSMC)
40. Certified Professional Constructor (CPC)
41. OSHA Certificates
42. LEED Certification
43. Certified Government Financial Manager (CGFM)

GDOT Certifications

- Aggregates Technician
- Asphalt Quality Control Technician: Level 1
- Asphalt Quality Control Technician: Level 2
- Concrete Batcher
- Concrete Technician
- Cutback Asphalt Technician
- Emulsified Asphalt Technician: Level 1
- Emulsified Asphalt Technician: Level 2
- Field Concrete Technician
- Field Welder
- Precast Technician
- Prestress Technician
- Profilograph Operator
- Roadway Testing Technician
- Sand & Gravel Technician
- Soil Test Technician
- Superpave Binder Technician: Level 1
- Superpave Binder Technician: Level 1A
- Superpave Binder Technician: Level 1B
- Superpave Binder Technician: Level 2

APWA Certifications

- Public Infrastructure Inspector (CPII)
- Certified Public Fleet Professional (CPFP)
- Other APWA certification as approved by the Engineering Department Director

Human Resource and Customer Services Certifications

- Job functions related certifications as approved by the Engineering Department Director

Engineering Department Approved Certifications

It cover all certifications related to job functions of Engineering Department respective workforces Team/group and as approved by the Engineering Department Director

ENGINEERING 2009 Augusta Commission
Approved Career Ladder



**Engineering Services Committee Meeting
1/12/2009 1:30 PM
Engineering ReOrg Chart Phase II**

Department: Abie L. Ladson, PE, Director

Caption: Receive Engineering Department Update Presentation and approve Phase II of the Engineering Department Reorganization to provide a more efficient structure and increase productivity.

Background: The financial impact associated with the revised organization of the Engineering Department will result in a savings of \$87,463.15 a year.

Analysis: n/a

Financial Impact: n/a

Alternatives: 1) Officially approve the Reorganization. 2) Do not approve Reorganization.

Recommendation: Approve Department Reorganization.

Funds are Available in the Following Accounts: No additional funds are required.

REVIEWED AND APPROVED BY:

**Finance.
Human Resources.
Law.
Administrator.
Clerk of Commission**



**Commission Meeting Agenda
1/22/2009 1:00 PM
Engineering ReOrg Chart Phase II**

Department: Abie L. Ladson, PE, Director

Caption: Motion to **approve** Phase II of the Engineering Department Reorganization to provide a more efficient structure and increase productivity. (**Approved by Engineering Services Committee January 12, 2009**)

Background: The financial impact associated with the revised organization of the Engineering Department will result in a savings of \$87,463.15 a year.

Analysis: n/a

Financial Impact: n/a

Alternatives: 1) Officially approve the Reorganization. 2) Do not approve Reorganization.

Recommendation: Approve Department Reorganization.

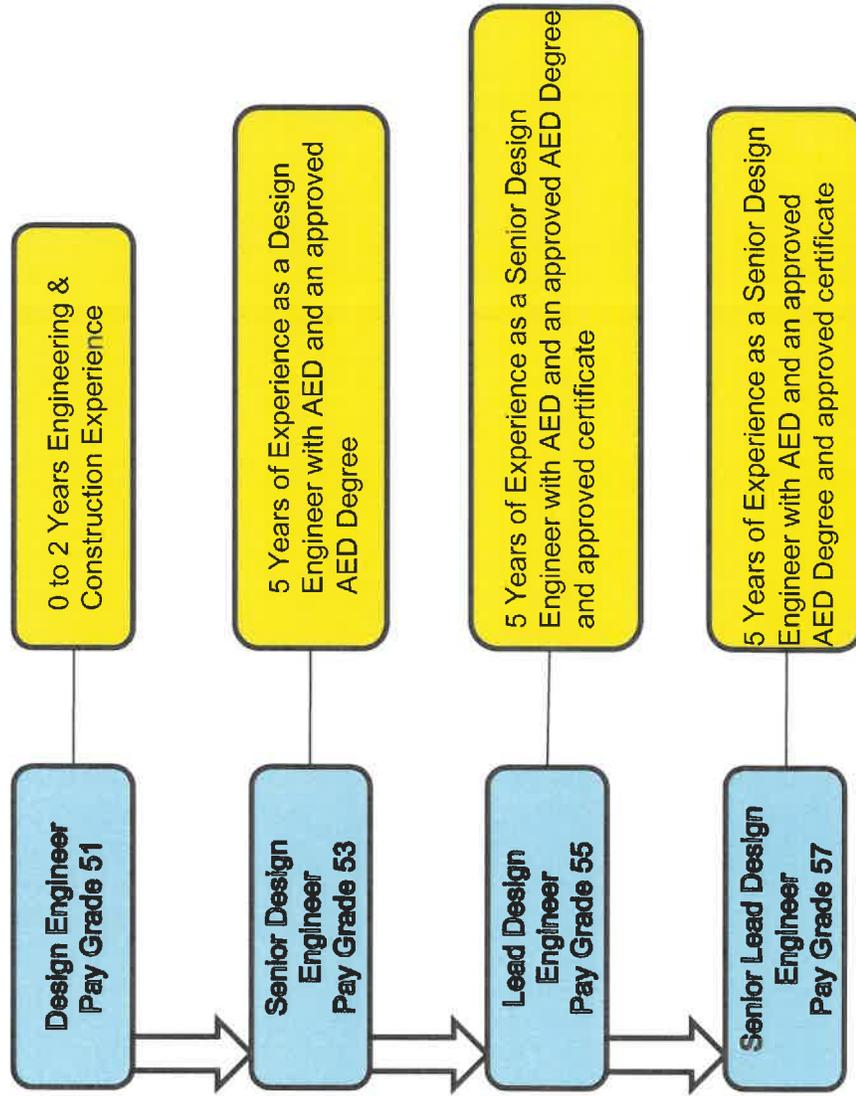
Funds are Available in the Following Accounts: No additional funds are required.

REVIEWED AND APPROVED BY:

Finance.
Human Resources.
Law.
Administrator.
Clerk of Commission

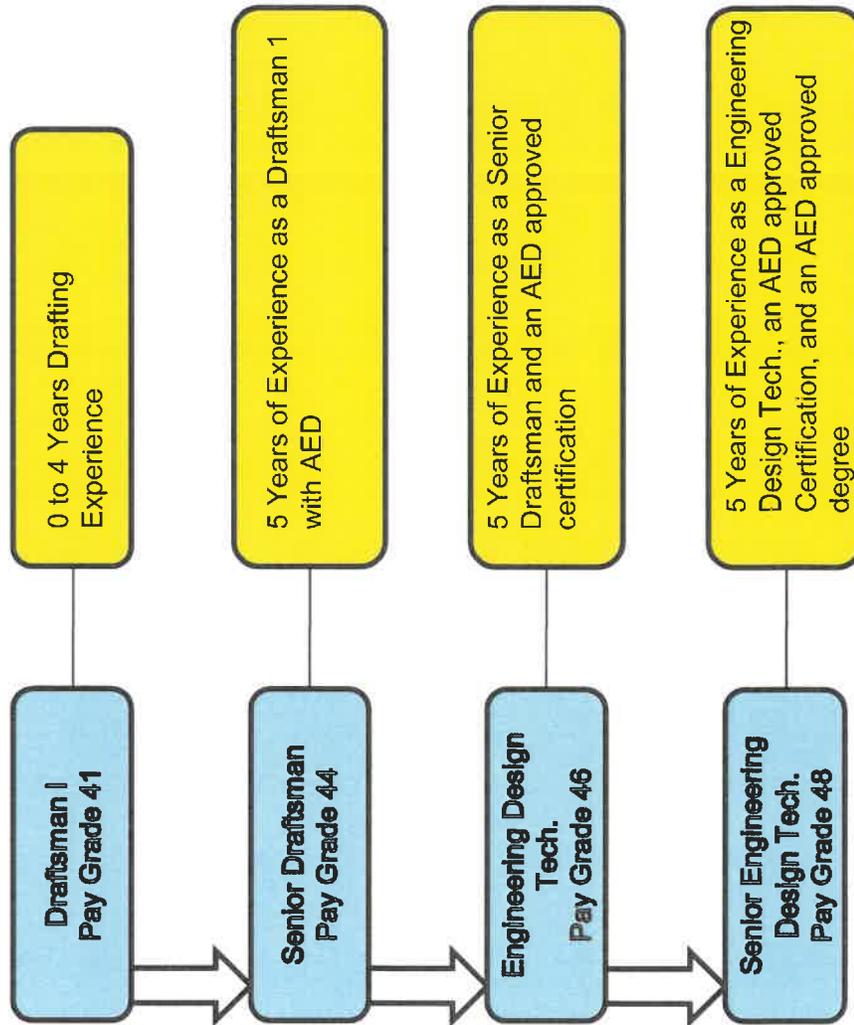
DESIGN SECTION CAREER LADDER

Design Engineering Group



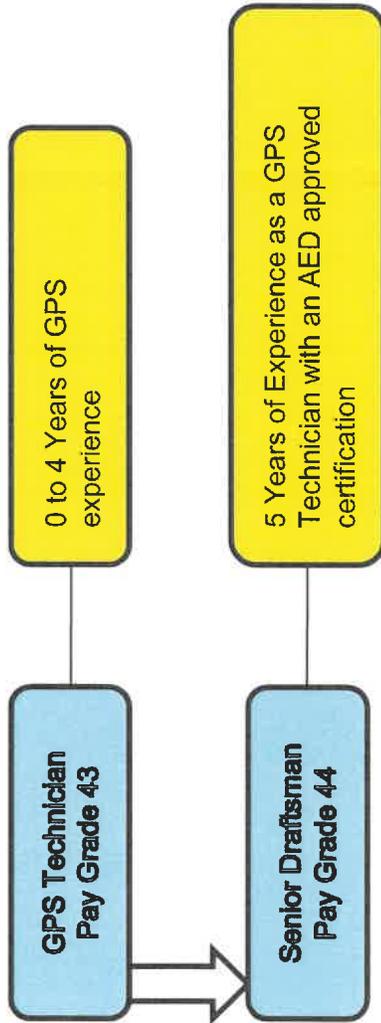
DESIGN SECTION CAREER LADDER

Drafting Group



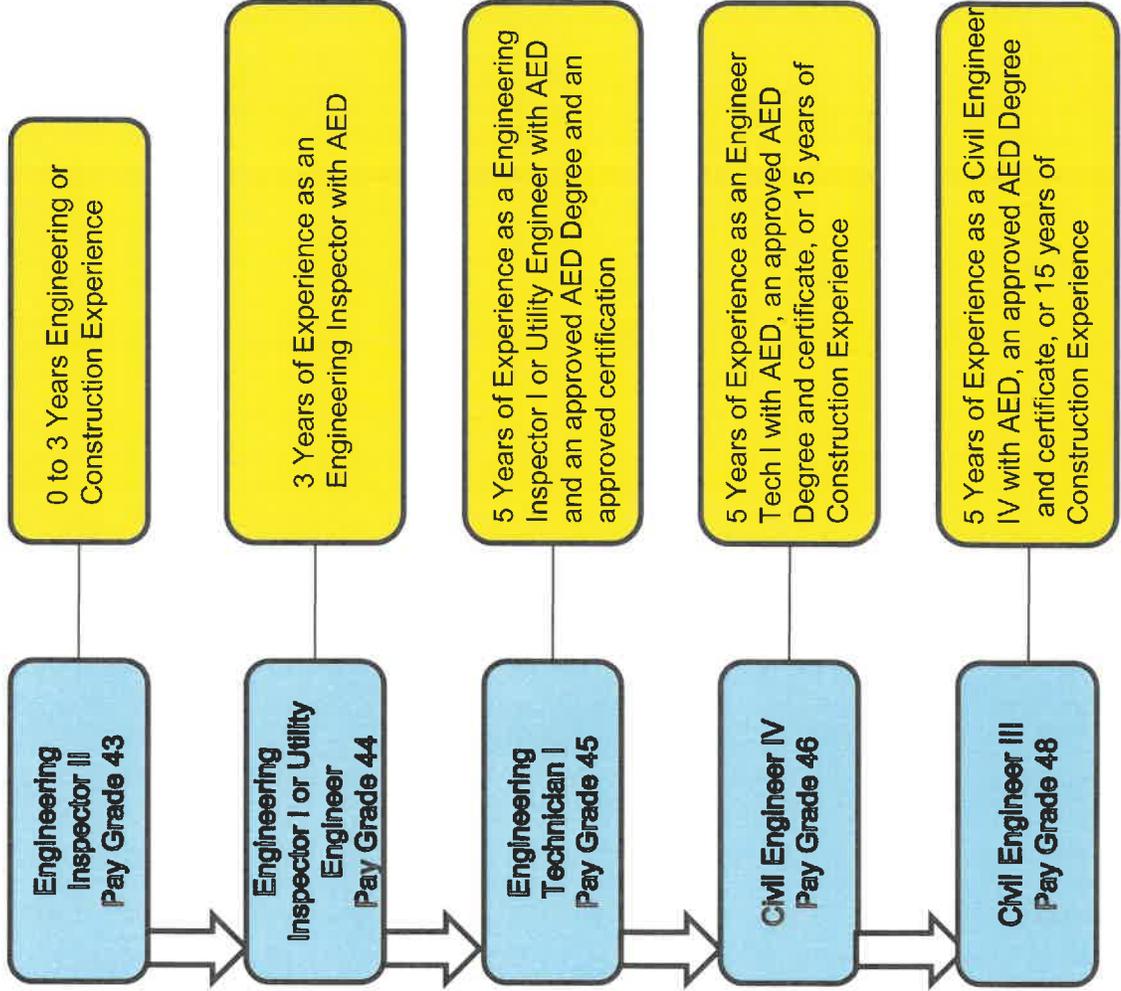
DESIGN SECTION CAREER LADDER

GPS Group



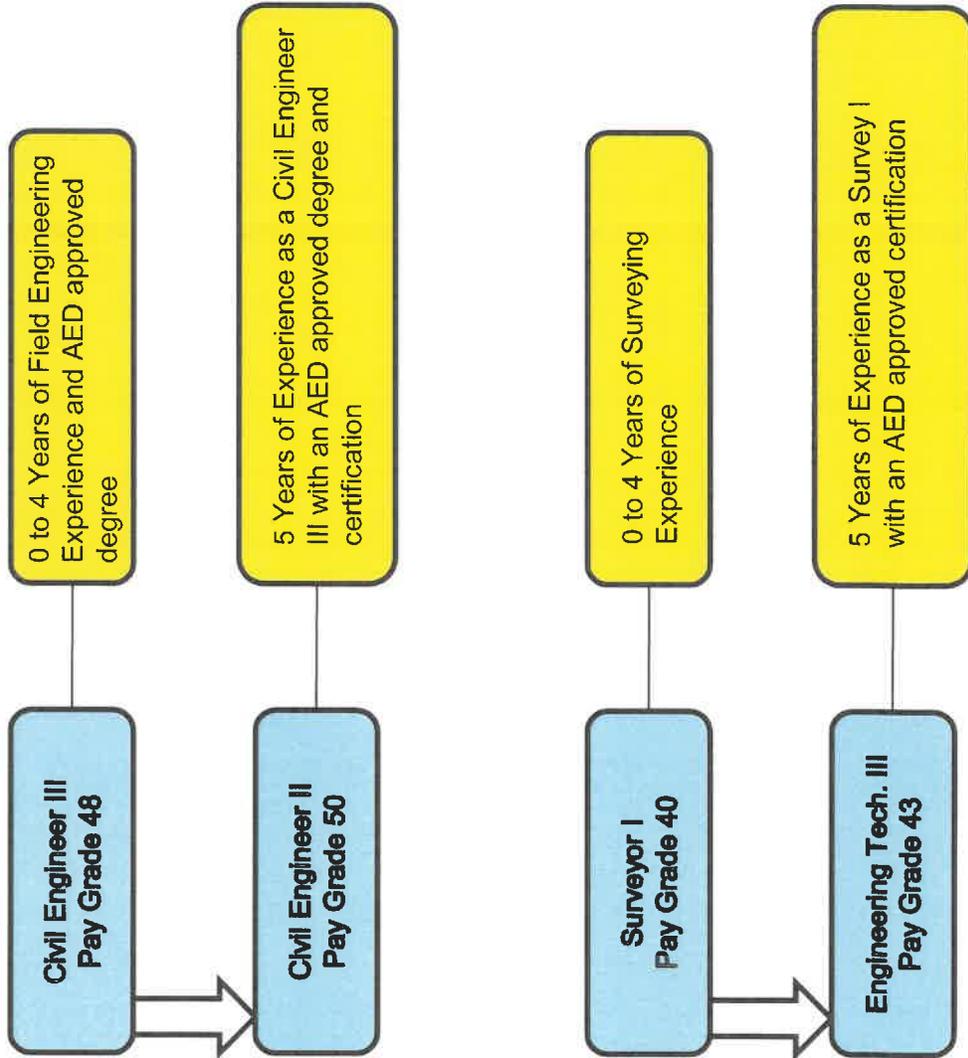
CONSTRUCTION SECTION CAREER LADDER

Construction and Utility Group



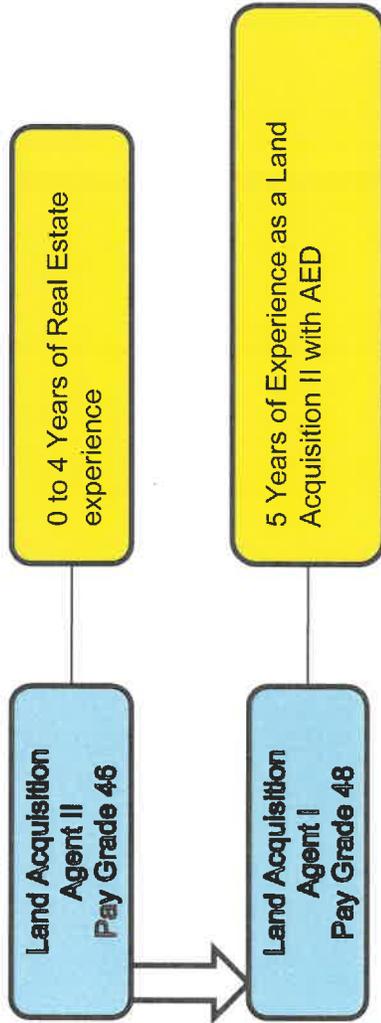
CONSTRUCTION SECTION CAREER LADDER

Surveying Group



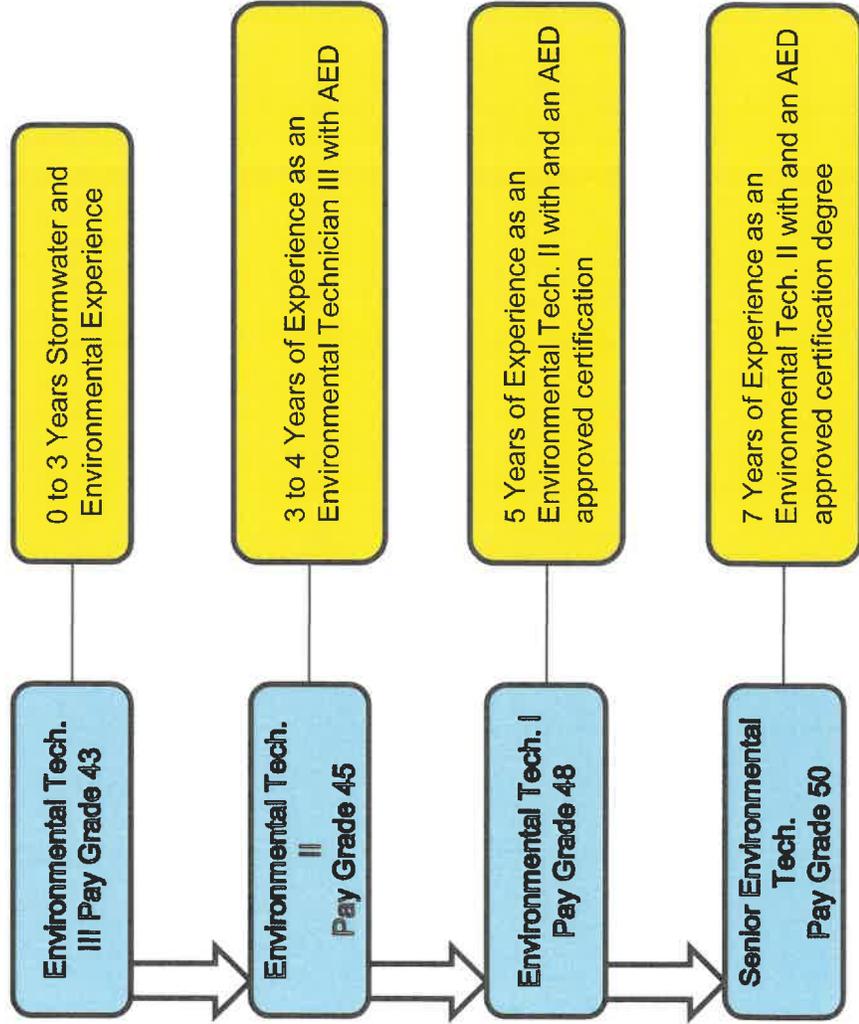
LAND ACQUISITION SECTION CAREER LADDER

Land Acquisition Group



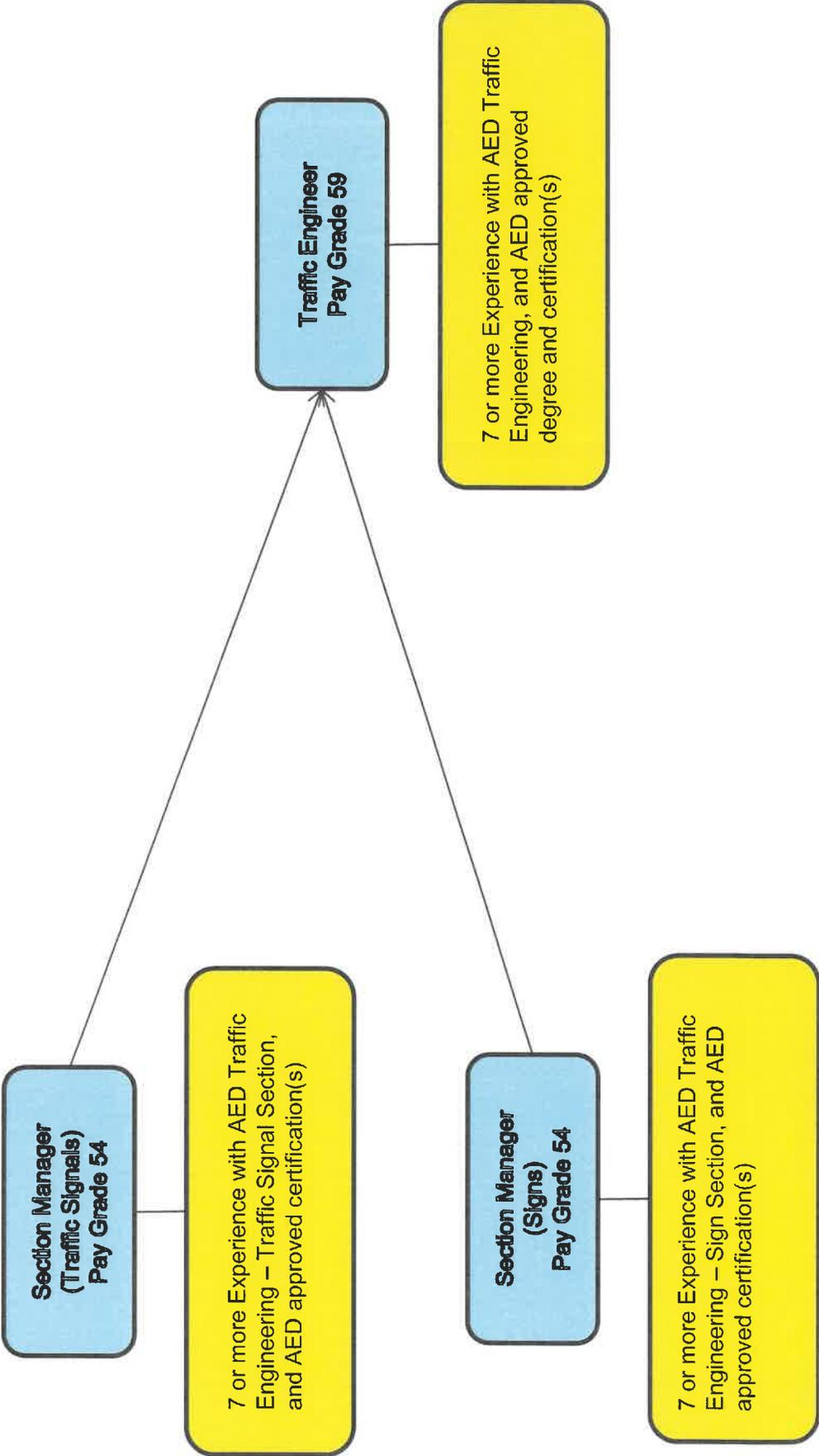
STORMWATER/ENVIRONMENTAL SECTION CAREER LADDER

Environmental Technician Group



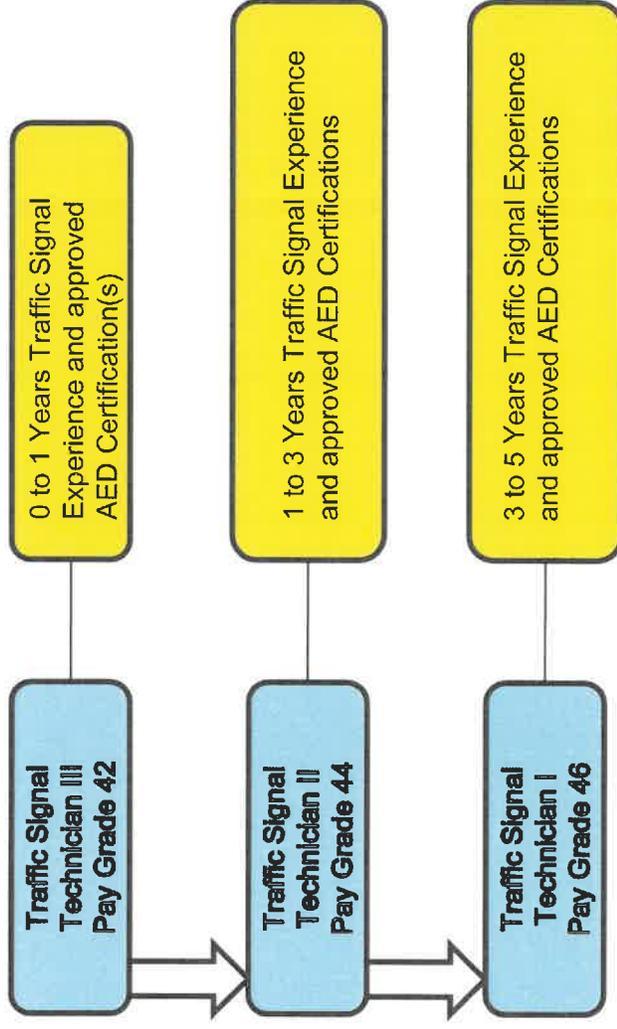
TRAFFIC ENGINEERING DIVISION CAREER LADDER

Operation Managers



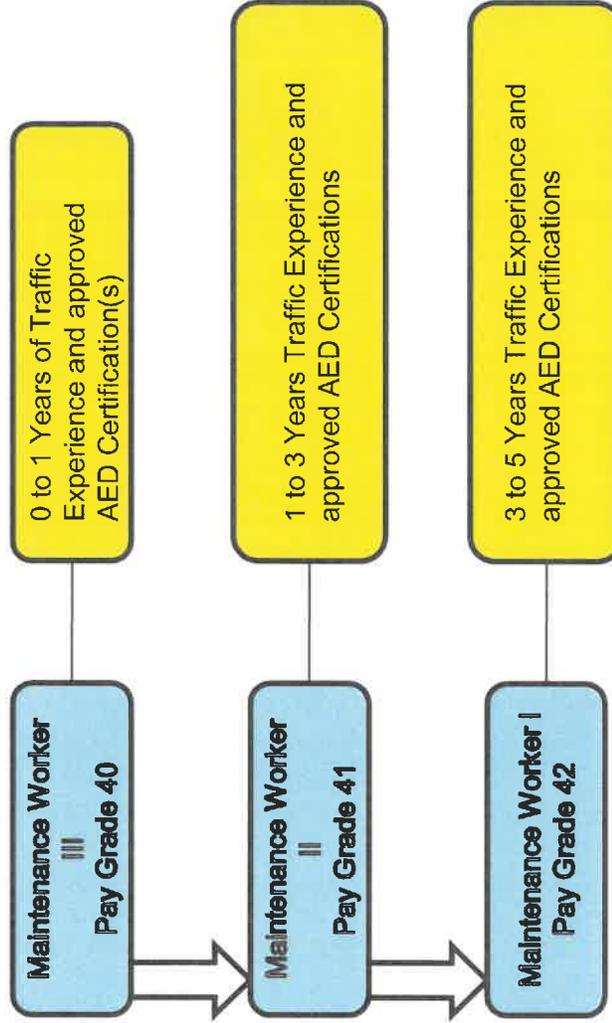
TRAFFIC CONTROL AND OPERATIONS

Signal Technician Group



SIGNS, MARKINGS, AND LIGHTING

Maintenance Workers Group



AUGUSTA ENGINEERING DEPARTMENT

COMPENSATION FOR DEGREES, LICENSES, AND CERTIFICATIONS

A. DEGREES:

Proposed pay increases for degrees are as follow:

- 1. Associate Degree: **\$3,000**
- 2. Bachelors Degree: **\$3,000**
- 3. Masters Degree: **\$3,000**
- 4. Doctor of Philosophy: **\$3,000**

Degrees must be directly related to an employee specific job description/duty, and must be approved by the employee Supervisor, Assistant Director(s), and Director of the Engineering Department. Degrees will have to be earned during employment with Augusta-Richmond County Engineering Department. An employee highest degree will be the base for pay increases (*e.g., an employee will not receive a pay increase if he or she has a Bachelors Degree and goes back to obtain an Associate degree*). Special and/or rare situations will be determined by the Engineering Department Director.

B. LICENSES:

Proposed pay increases for each Professional Licenses will be **\$2,000** added to the employee’s current salary. Licenses must be directly related to an employee specific job description/duty, and must be approved by the employee Supervisor, Assistant Director(s), and Director of the Engineering Department. Prior professional licenses before employment with Augusta-Richmond County will not be acceptable for a pay increase. License must be obtained while employed with Augusta-Richmond County Engineering Department.

LIMITATION: A maximum of one License every 2 years. Total maximum compensation \$4,000.00.

C. CERTIFICATIONS:

Proposed pay increases for each Professional Certifications will be **\$1,000** added to the employee’s current salary. Certifications must be directly related to an employee specific job description/duty, and must be approved by the employee Supervisor, Assistant Director(s), and Director of the Engineering Department. Prior Certifications before employment with Augusta-Richmond County will not be acceptable for a pay increase. Certifications must be obtained while employed with Augusta-Richmond County Engineering Department. Certifications are considered proof of a level of knowledge in one’s field and not training. Therefore, it is essential that the employee has the knowledge to pass the certification test prior to being allowed to take any certification examination. For this reason, the County will pay for fee and travel expenses to cover one attempt at each certification. All subsequent attempts will be at the employee’s own expense. Applied

aspect of knowledge demonstrated through a certification is critical. It is expected that the certification will enhance an employee work efficiency and technical know-how. Therefore, the employee has to demonstrate improvement in his/her work productivity and work quality.

LIMITATION: A maximum of one Certification every 2 years. Total maximum compensation \$3,000.00.

(NOTE: Individuals that received Degrees, Licenses, Certifications post December 2005 that is directly related to their job description/duties, will be grandfathered into the program and receive the proposed pay increases.)

ENGINEERING DEPARTMENT APPROVED DEGREES, LICENSES, AND CERTIFICATIONS

DEGREES

1. Associate, Bachelor, Master, and Doctor of Philosophy Degrees:
 - Civil Engineering or Civil Engineering Technology
 - Environmental Engineering or Environmental Technology
 - Engineering Graphics (CAD)/GIS
 - Geology
 - Hydrology
 - Chemistry
 - Biology
 - Business (Finance, Accounting, etc.)
 - Soil Science
 - Secretarial Science
 - Land Surveying

LICENSES

1. Licensed Professional Geologist (PG)
2. Licensed Professional Land Surveyor (PLS)
3. Licensed Professional Engineer (PE)
4. Professional Traffic Operation Engineer (PTOE)
5. Real Estate License
6. Certified Public Accountant

CERTIFICATIONS

1. Engineer-In-Training (EIT) Certification
2. Land Surveyor-In-Training (LSIT) Certification
3. Registered Appraiser
4. Relocation Specialist
5. Certified Professional in Erosion and Sediment Control (CPESC)
6. Certified Professional in Storm Water Quality (CPSWQ)
7. Certified Erosion, Sediment and Storm Water Inspector (CESSWI)
8. Certified Floodplain Manager (CFM)
9. Public Works Certification (Augusta Technical College)
10. Public Works Certification (American Public Works Association)
11. Autodesk Certification Program
12. GIS Certification Institute (GISCI)
13. National Institute for Certifications in Engineering Technology (NICET)
 - Construction Materials Testing
 - Asphalt
 - Concrete
 - Soils
 - Geotechnical
 - Generalist
 - Construction
 - Exploration
 - Laboratory
 - Land Management and Water Control
 - Erosion and Sediment Control
 - Transportation
 - Bridge Safety Inspection
 - Highway Construction
 - Highway Design
 - Highway Maintenance
 - Highway Materials
 - Highway Surveys
 - Highway Traffic Operations
 - Highway System Maintenance and Preservation
 - Underground Utilities Construction
 - Stormwater and Wastewater System Inspection

14. Certified Government Financial Manager (CGFM)
15. Certified IMSA Work Zone Safety
16. IMSA Traffic Signal Level I
17. IMSA Traffic Signal Level II
18. IMSA Traffic Signal Level III
19. IMSA Traffic Preventative Maintenance
20. IMSA Traffic Signal Inspections
21. IMSA Signing and Marking Level I
22. IMSA Signing and Marking Level II
23. IMSA Signing and Marking Level III
24. IMSA Roadway Lighting Level I
25. ISMA Roadway Lighting Level II
26. Traffic Engineering Fundamentals
27. Traffic Signal at Local Intersections
28. Improving Operational Safety on Local Roads and Streets
29. Traffic Operations Practitioner Specialist (TOPS)
30. Traffic Signal Operations Specialist (TSOS)



Engineering Services Committee

February 24, 2026

Bridge on Birdwell Road

Department:	N/A
Presenter:	N/A
Caption:	Mr. Reginald Coney regarding broken bridge on Birdwell Road which limit access to their church.
Background:	N/A
Analysis:	N/A
Financial Impact:	N/A
Alternatives:	N/A
Recommendation:	N/A
Funds are available in the following accounts:	N/A
<u>REVIEWED AND APPROVED BY:</u>	N/A



Agenda Item Request Form

- Commission Meetings are held on the first and third Tuesday of each month, beginning at 1:00 PM.
- Committee Meetings are held on the second and last Tuesday of each month, beginning at 2:00 PM.

[Click here to view the full Commission and Committee Calendar.](#)

Meeting Type *

- Commission
- Public Safety Committee
- Public Services Committee
- Administrative Services Committee
- Engineering Services Committee
- Finance Committee

Meeting Date *

2/24/2026

Contact Information for Individual/Presenter Making the Request:

Name *

Reginald Coney

Address *

957 Niagra Falls

Telephone Number *

7066272698

Fax Number

Email Address *

Coneyr@hotmail.com

Caption/Topic of Discussion to be placed on the Agenda: *

I am writing on behalf of our church located on Birdwell Road to request assistance with a broken bridge that currently limits access to our building.

At this time, the bridge issue prevents us from maintaining two separate access points to the property. This presents a significant concern, particularly regarding our ability to provide timely emergency medical assistance to church members and to ensure safe access for emergency responders.

Restoring the bridge would help reestablish two points of entry, which is important for safety, emergency response, and overall accessibility for our congregation.

Requests must be received in the Clerk's Office no later than 9:00 a.m. on the Thursday preceding the Commission and Committee meetings of the following week. A five-minute time limit will be allowed for presentations.

Meeting location:

Lee N. Beard Commission Chamber, 2nd Floor
 Augusta, GA Municipal Building
 535 Telfair Street
 Augusta, GA 30901

Submission Date

2/17/2026 4:16 PM



Engineering Services Committee

February 24, 2026

Minutes

- Department:** N/A
- Presenter:** N/A
- Caption:** Motion to **approve** the minutes of the February 10, 2026 Engineering Services Committee Meeting.
- Background:** N/A
- Analysis:** N/A
- Financial Impact:** N/A
- Alternatives:** N/A
- Recommendation:** N/A
- Funds are available in the following accounts:** N/A
- REVIEWED AND APPROVED BY:** N/A



ENGINEERING SERVICES COMMITTEE MINUTES
Commission Chamber
Tuesday, February 10, 2026
1:10 PM

PRESENT:

- Commissioner Don Clark, Member
- Commissioner Jordan Johnson, Member
- Commissioner Lonnie Wimberly, Member
- Mayor Garnett Johnson
- Commissioner Brandon Garrett
- Commissioner Francine Scott
- Commissioner Stacy Pulliam
- Commissioner Tina Slendak
- Commissioner Catherine Rice
- Commissioner Tony Lewis

ABSENT:

Mayor Pro Tem Wayne Guilfoyle, Member

1. Receive as information the emergency purchase replacement of 30-inch Valves for Basins 4 & 5 at the Highland Ave Treatment Plant.

Motion to approve

Motion made by Johnson

Motion seconded by Wimberly

Motion carried 3-0

2. Motion to **approve** the minutes of the January 27, 2026 Engineering Services Committee Meeting.

Motion to approve

Motion made by Johnson

Motion seconded by Wimberly

Motion carried 3-0