

**DATE:** August 29, 2024

**TO:** The Honorable Garnett L. Johnson, Mayor  
Members of the Commission  
Alvin Mason, Chairman, Engineering Services Committee

**THROUGH:** Takiyah Douse, Interim Administrator

**FROM:** Hameed Malik, Ph.D., PE, Director of Engineering & Envir. Services

**SUBJECT:** Purchase of Upgraded Rhythm Systems for Richmond County for TIA ITS  
Part 2

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**CAPTION:** Approve the purchase through a sole source procurement for the replacement of Richmond County's Rhythm In-Sync Adaptive Signal Timing System for next phase of the TIA Intelligent Transportation System project. Approve funds in the amount of \$567,574.92. Requested by the Augusta Engineering & Solid Waste Department.

**BACKGROUND:** The first phase of Augusta Engineering's ITS project was installed in 2016 and 2017. Many of the necessary hardware and software components are now reaching eight to ten years old and need upgrades and replacement. In the second round of TIA funding, there is a project titled "Intelligent Transportation Operations and Maintenance Repairs" programmed for this purpose.

**ANALYSIS:** The Augusta Traffic Engineering network has been in operation for over eight years. The existing Rhythm In-Sync System predates that network by almost 10 years. The system running currently in our signal cabinets have been in place since 2008 and 2009. This system, along with the TE network has greatly improved our ability to enhance traffic safety and flow throughout Richmond County. It has also helped tremendously with the annual Masters Golf Tournament held each April. Much of the hardware and software that currently runs on our network is in need of upgrades or replacement. This purchase will allow AED to replace all of the adaptive signal timing systems and have them tuned to today's traffic needs.

**FINANCIAL IMPACT:** Adequate funds are available, and an expenditure of this amount will leave funding for other uses in this TIA project.

**ALTERNATIVES:** Do not approve the sole source funding request.

**RECOMMENDATION:** Approve sole source purchase order request to replace all Rhythm In-Sync Adaptive Signal Timing Systems

**REQUESTED AGENDA DATE:** Committee Meeting: September 10, 2024  
Commission Meeting: September 17, 2024

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FUNDS ARE AVAILABLE IN THE FOLLOWING ACCOUNTS:

**(\$567,574.92)** 372041110-54.24910 / TIA224905-54.24910

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HM/SR

Attachment – Sole Source PO request