

Augusta Georgia  
SPLIT Phase 8  
Project Request Form

**Project Name** Redundant Fiber Ring

**PROJECT SUMMARY SHEET**

**A. Submitting Department, Agency, or Association:** Augusta Information Technology Department

**B. Project Name / Brief Description:**

The continued installation of fiber between critical Augusta sites is necessary to provide alternate paths of communication and avoid single points of failure. Redundant fiber paths increase network reliability and provide protection from service interruptions for essential systems.

*Check box if project represents a continuation from a previous SPLOST:*

**C. Project Location / Address:** 535 Telfair Street, Building 2000, Augusta, GA 30901

*Check box if Site Selection required:*   
(If site selection is required, fill out section VI. Site Criteria & Standards)

**Current Property Owner (if applicable):** Augusta-Richmond County

**D. District:** All

**E. Proposed Project Budget (round to nearest thousands):**

<b>Total SPLOST 8 Request:</b> <sup>1</sup>	\$ 400,000.00
<b>Annual Operating Cost:</b> <sup>2</sup>	\$ -

<sup>1</sup> Figure from section III. Project Costs, first column (Total) for SPLOST 8 Project Total

<sup>2</sup> Figure from section V. Operating Costs, first column (Annual Costs) for Total Operating Costs for Project.

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**G. Project Classification** c Facilities and Infrastruc

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**I. PROJECT JUSTIFICATION:**

**A. Project Mission Statement / Goals & Objectives:**

The goal of this infrastructure improvement is to increase Augusta's network reliability and provide multiple communications paths by laying additional fiber.

**B. How will this project help meet the Public Safety, Basic Facilities / Infrastructure, and/or Quality of Life needs in**

Constant network availability is necessary for every Augusta department and agency to function effectively and to support public safety and quality of life. Augusta-owned fiber provides low-cost service for critical systems across the County. Redundant fiber paths between facilities provide protection from service interruptions in the event of fiber cuts or other outages.

**C. Why should this project be considered for *SPLOST 8* type funding?**

Augusta's redundant fiber initiative requires major, multi-year infrastructure investments and provides significant benefit to the County as a whole.

**D. To meet the Project Goals & Objectives, when should this project be completed?**

2024

**E. Is this project recommended / included in any existing Augusta Richmond County Land Use Plan or Masterplan? If**

No.

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**II. PROJECT DESCRIPTION:**

**A. Project Construction Program / Description:**

(Provide within this space a Construction Program / Description for the project. Agencies and departments submitting requests

This project would allow the installation of approximately eight miles of fiber-optic cable to continue building out Augusta's redundant fiber ring. Fiber would be installed in the public right-of-way and would either provide new redundancy or replace fiber currently being leased from private providers. Whenever possible, Information Technology uses the services of the Augusta Utilities Department for low-cost installations that meet City standards.

**B. Projected Useful Life of Project:**

The projected useful life of this project is thirty (30) years.

**C. Site Specific Information: (address, tax map parcel #, etc.)**

N/A

*Check box if site currently owned by Augusta Richmond County:*

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**III. PROJECT COSTS:**

A. Detailed project capital budget costs (to be funded from *SPLOST 8* only):

<b>Project Costs (round to</b>	<b>Total</b>	<b>YR1 (22)</b>	<b>YR2 (23)</b>	<b>YR3 (24)</b>	<b>YR4 (25)</b>	<b>YR5 (26)</b>	<b>YR6 (27)</b>
1. Land Acquisition / ROW /	\$0	-	-	-	-	-	-
2. Design Fees:	\$0	-	-	-	-	-	-
3. Miscellaneous Fees:	\$0	-	-	-	-	-	-
4. Fixtures, Furniture, and	\$0	-	-	-	-	-	-
5. Construction:	\$400,000	200,000	200,000	-	-	-	-
6. Testing:	\$0	-	-	-	-	-	-
8. Construction Contingency	\$0	-	-	-	-	-	-
9. Project Management:	\$0	-	-	-	-	-	-
10. Capital Equipment	\$0	-	-	-	-	-	-
11. Other (describe):	\$0	-	-	-	-	-	-
<b>SPLOST 8 Project Total:</b>	<b>\$400,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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**IV. PROJECT FINANCING:**

**A. Detailed project capital budget costs (to be funded from *SPLIT 8* only):**

<b>Project Sources (round to</b>	<b>Total</b>	<b>YR1 (22)</b>	<b>YR2 (23)</b>	<b>YR3 (24)</b>	<b>YR4 (25)</b>	<b>YR5 (26)</b>	<b>YR6 (27)</b>
1. <i>SPLIT 8</i> *	\$400,000	\$200,000	\$200,000		\$0	\$0	\$0
2. ARC General Fund:	\$0	-	-	-	-	-	-
3. State Grant:	\$0	-	-	-	-	-	-
4. Federal Grant:	\$0	-	-	-	-	-	-
5. Previous <i>SPLIT</i> :	\$0	-	-	-	-	-	-
6. Testing:	\$0	-	-	-	-	-	-
7. Reimbursement Amount	\$0	-	-	-	-	-	-
8. Other (describe): donations	\$0	-	-	-	-	-	-
9. Other (describe):	\$0	-	-	-	-	-	-
<b>Total Sources:</b>	<b>\$400,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

\* Amount from section III.A., "Detailed project capital budget costs" (*SPLIT 8* Project Total).

**B. Describe the current commitments for the other sources funding this project:**

N/A

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**V. OPERATING COSTS:**

**A. Total Annual Operating Costs when Project is complete:**

Operating Cost (round to thousand)	Annual Costs
<b>(Estimated) Operating Revenues</b>	
1. Personnel Costs:	
2. Utilities:	
■ Gas:	
■ Electrical:	
■ Water:	
■ Sewer:	
■ Phone:	
■ Computers:	
3. Operating Supplies:	
4. Equipment Maintenance:	
5. Facility Maintenance:	
6. Non-Capital:	
7. Other (describe):	
8. Other (describe):	
<b>TOTAL OPERATING COSTS OF PROJECT:</b>	
<b>NET INCOME (ESTIMATED):</b>	

**B. Additional Personnel Information:**

1. Identify the number of additional staff positions needed when project is completed:

- Full-Time: \_\_\_\_\_
- Part-Time: \_\_\_\_\_

2. Briefly describe the responsibilities of each additional staff position:

3. Identify the projected salary and fringe benefit cost for each additional staff position:

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**VI. Site Criteria and Standards (only applicable if site Selection is required):**

A. **General Criteria:**

**1. Acreage:**

- **Size:** Minimum acreage necessary for project, inclusive of parking and other
- **Topography:** Describe type of topography necessary to meet Goals and Objectives.
- **Estimated cost per acre:** Provide an estimated cost per acre and an explanation of how

**2. Location / Accessibility:**

- **Relative to its service area:** Define location relative to the project's service area that
- **Vehicular:** If necessary to meet the Goals and Objectives, describe what types of
- **Pedestrians:** Same as vehicular, but for pedestrians.
- **Bicycle Access:** Same as vehicular, but for bicycles.

B. **No further information on site criteria and standards is necessary for the project request form at this time. However,**

- **Development / Adjacent Impacts** (visibility, compatibility with land use plan, buffering,
- **Economy / Financing** (on- and off-site development costs, joint development
- **Environmental** (historic standards, traffic impacts, aesthetic standards, air quality, noise
- **Community Values** (displacements required, security needs, etc.)

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**VII. OTHER IMPACTS:**

**A. Positive / Negative Impacts on ARC Departments, Agencies, or other Organizations:**

System availability and network reliability will be increased for agencies that operate outside of the 535 Telfair Street campus. Installing fiber between sites that currently have a single path of connection to Information Technology will provide an alternate path of communications should connectivity be lost on their primary fiber.

**B. Positive / Negative Impacts on existing Infrastructure / Systems:**

No current Augusta-owned fiber exists in the locations where fiber would be installed. The installation of this new infrastructure will provide a positive impact to system availability and network reliability and reduces Augusta's dependence on private providers for leased fiber.

**C. Positive / Negative Impacts on Augusta Richmond County Tax Base:**

Redundant fiber helps to ensure that fiber cuts and outages do not delay or harm delivery of essential services to the ARC tax base.

**VIII. OTHER INFORMATION:**

**A. Provide other information that would assist in the review of this proposed project:**