



Summary of Proposed Award Fiber Optic Communications System Improvements

Presented to: Operational Planning &
Infrastructure Committee

January 7, 2020



Fiber Optic Communications System Improvements

Current Fiber Optic Network:

- Consists of several different generations of equipment and fiber optic cable
- The fiber optic network provides communications transport services to many departments such as Operations, IT, Transit Police, Emergency Call Boxes, and Asset Configuration

Fiber Optic Communications System Improvements

Current Fiber Optic Network:

- Mission critical for several GCRTA Departments
 - Safety – Fire Alarm Panel communications
 - Security – Cameras, 911 call boxes
 - CTDS – Consolidated Train Dispatch System
 - SCADA – Supervisory Control & Data Acquisition

Fiber Optic Communications System Improvements

Current Fiber Optic Network:

- Most of the fiber optic equipment has been in service since 1992 and is at the end of its life
- Many components of the system have been discontinued and are no longer supported
- Overhead fiber optic cable is severely deteriorated

Fiber Optic Communications System Improvements

Deliverables:

- New 10 GB Backbone Fiber Optic Network to be installed
- Existing 18 strand cable to be replaced with 96 strand cable, reducing the Authority's reliance on leased lines
- New Ethernet based Communications Network Equipment to be installed
- Provide communication transport services from Windermere to Airport

Fiber Optic Communications System Improvements

- Invitation for Bid (IFB) issued November 4, 2019
- Accessed on the GCRTA web site by forty-five (45) interested parties
- Two (2) firms submitted a bid

Fiber Optic Communications System Improvements

Firm Experience:

- Lake Erie Technologies, Inc. has successfully completed projects for Bowling Green State University, The Hard Rock Casino, The Cleveland Browns, among many others
- Lake Erie Technologies, Inc. is located in Bowling Green, Ohio

Fiber Optic Communications System Improvements

Recommendation:

- Staff requests that the Operational Planning & Infrastructure Committee recommend award to Lake Erie Technologies, Inc. for the Fiber Optic Communications System Improvements. The contract will be in an amount not to exceed \$5,795,000.00

Questions?

