

# BOARD OF DIRECTORS

## ACTION ITEM

Item Number: BA2020-60

Meeting Date: May 18, 2020

Item Title: Trapeze Intelligent Transit System

---

### BACKGROUND

Trinity Metro requires systems that provide real time information not only to transit staff to support operational activities, but also transit riders. Trinity Metro solicited proposals from contractors to provide and deliver a turnkey Intelligent Transportation System (ITS) consisting of Automatic Vehicle Location (AVL), Computer Aided Dispatch (CAD), Vehicle Health Monitoring (VHM), Automated Passenger Counters (APC), and an On-board Voice Announcement System (VAS).

The desired system is expected to provide Trinity Metro with details on the exact positions of Fixed Route, ACCESS (Paratransit), and Train vehicles and equipment, ensure drivers are logged in, what routes drivers are traveling, if drivers are on time (late or early), accurate forecast of next vehicle arrival, as well as departure information for Trinity Metro transit riders. Additionally, the system will be installed on non-revenue vehicles to enable the on-road staff to view real-time performance data and manage event information on each revenue vehicle. The system will also provide transit riders the ability to look up real-time bus arrival/departure by route, utilizing internet and smart phones.

This will be a turnkey solution consisting of design, installation, cabling, hardware, servers, software, connectivity, support and training for the installation and connectivity of a fully operational CAD/AVL, PIDS and PWS systems.

### PROCUREMENT

In accordance with Trinity Metro's Procurement Policy, a Request for Proposal (RFP 19-T054) for Intelligent Transit Systems was advertised on Trinity Metro's website. Four (4) firms responded to the Request for Proposal and complied with the RFP requirements. Responding firms included:

Avail Technologies, Inc. (Avail)  
 Clever Devices  
 Cubic Transportation Systems, Inc. (CTS)  
 Trapeze Software Group, Inc.

An evaluation team from Trinity Metro reviewed and evaluated the proposals and attended system demonstrations with the top rated three firms: Avail Technologies, Inc., Clever Devices and Trapeze Software Group, Inc.. Reference calls were made for the top two rated firms (Avail and Trapeze) and final scoring determined that Trapeze Software Group, Inc. was the highest overall scoring proposer. A Best and Final Offer was requested from Avail and Trapeze, and the final system costs are:

Avail Technologies, Inc (Avail):	\$ 3,510,649.00
Trapeze Software Group, Inc.:	\$ 3,075,866.99

**Item Number:** BA2020-60  
**Item Title:** Trapeze Intelligent Transit System

**Meeting Date:** May 18, 2020  
**Page:** 2

---

Trinity Metro’s Procurement Department has followed Procurement policy with the Request for Proposal and is compliant with all applicable Federal, State and Trinity Metro policy requirements.

The Trapeze Intelligent Transit System will meet Trinity Metro’s specific requirements for security, functionality, reliability and fare media interoperability. Modular design architecture shall be incorporated throughout the ITS. The selected contractor shall perform all work tasks in the design, manufacture, delivery, installation, and commissioning of a complete ITS solution as required in this scope.

**DBE Utilization**

A DBE Goal of 15% was established for this solicitation. Trapeze Software Group, Inc. committed to meet the goal.

**FINANCING**


Funds are available in Trinity Metro’s FY2020 Capital Budget to finance the cost of the Trapeze Intelligence Transit System. A portion of the funds will come from the FY2020 FTA 5307 program. Funds for future Trapeze Intelligence Transit System contract years will be considered in the proposed budgets for those years.

**RECOMMENDATION**

The Finance and Audit Committee recommends that Trinity Metro Board of Directors authorize the President / Chief Executive Officer to execute a contract with Trapeze Software Group, Inc. in the amount of \$ 3,075,866.99 plus a 10% (\$ 307,586.69) contingency for unforeseen expenses, for a total estimated amount of \$3,383,453.68.

---

**Disposition by Board of Directors**

DocuSigned by:  
  
155A1247506A45D...  
**Secretary Approval:**

May-20-2020

**DATE**