



# CAD / AVL Maintenance and Support

Presented to:

Organizational, Services & Performance  
Monitoring Committee

December 5, 2023

---

---

# Project Overview

- Vontas (Trapeze) has been our CAD/AVL provider for approximately 20 years
  - Established relationship
  - Radio Replacement Project upgraded equipment in 2019
- Service agreement guarantees
  - Software/hardware support
  - System upgrades
  - On-site vendor training
  - Timely customer support
  - Software patches

# Project Overview

- Five (5) Year agreement
- Software and hardware service and support
  - OnRoute (TransitMaster)
    - CAD/AVL onboard vehicle computer & MDT (Operator interface)
    - Dispatch software – communications, GPS, incident management
    - Software upgrades
  - V8 IVLU onboard computer
  - MDT (Operator interface)
  - Automated Passenger Counter

# OnRoute Software

OnRoute Emergency

Adjustments Vehicle Queue Map Pull In/Out Schedule Maintenance Route Monitor

Home

Lock Assign Report Park Remove Comms New Event Copy Separate Report Force Remove Group Together Remove From Group Expand All Collapse All Pane Headers Layout 1 Layout 2 More Layouts: Configure Activate Rules IDs

Incident Actions Grouping

Find...

Priority	Status	Incident	Time/Date	Source	Action Type	Block	Run	Driver	Route
90	*	Overt Alarm	07:24:39 11/28/2023	4013	Actionable	0-5302	9548	104740	53
85	*	CM Stalled - down	07:00:35 11/28/2023	1904	Actionable	0-7701	9509	103057	90
75	*	RTT	07:38:22 11/28/2023	3554	Actionable				
75	*	RTT	07:37:19 11/28/2023	04195(?)	Actionable				
75	*	RTT	07:31:20 11/28/2023	3304	Actionable	0-5002	4112	101922	48
75	*	RTT	07:23:03 11/28/2023	3253	Actionable	0-2202	9502	101676	22
75	*	RTT	07:14:40 11/28/2023	3706	Actionable	0-5401	9111	1108	54
75	*	RTT	07:13:44 11/28/2023	6008	Actionable	0-0606	5006	104542	6
75	*	RTT	07:11:21 11/28/2023	3601	Actionable	0-1401	4503	102968	14

Count: 61 Total: 61

Lock Unlock Voice Call Reply

Completed Skipped Action Link Notes

Incident Report Incident Report

Vehicle Tab Vehicle Properties Nearby Vehicles Canned Message Drivers Maintenance Map Playback Roster Route Route Monitor

Owner: ---  
RTT at 11/28/2023 7:38:22 AM from Vehicle 3554

Actions Event Details

Home Tools & Settings

View Filter Bookmarks Vehicle Appearance Selection IDS Layer

Powered On

0 yds 150 250

Vehicle Map Vehicle Details

Weekday 11/28/2023 07:39:37

# Project Overview

- Software support
  - Vehicle Intelligence – Telematics software
    - Real-time reporting
    - Supports Predictive Maintenance
  - Device Management
    - Remote device management of IVLU (onboard computer)
    - Real-time deployment
  - Operator turn-by-turn navigation
  - GTFS-RT (real-time vehicle tracking available to passengers)

# Vehicle Intelligence

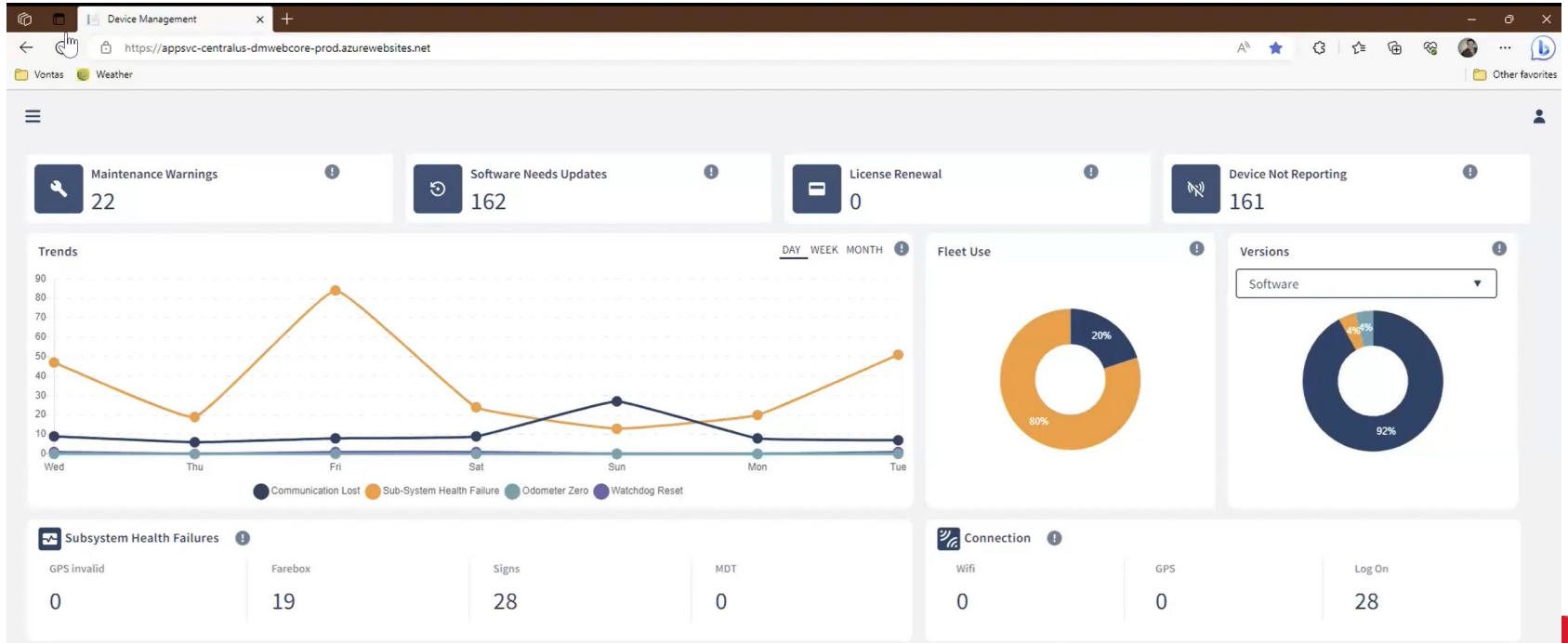
trapeze-vi.com/Fleet/Faults

Home Fleet Reports Analytics Admin Julie Schultz

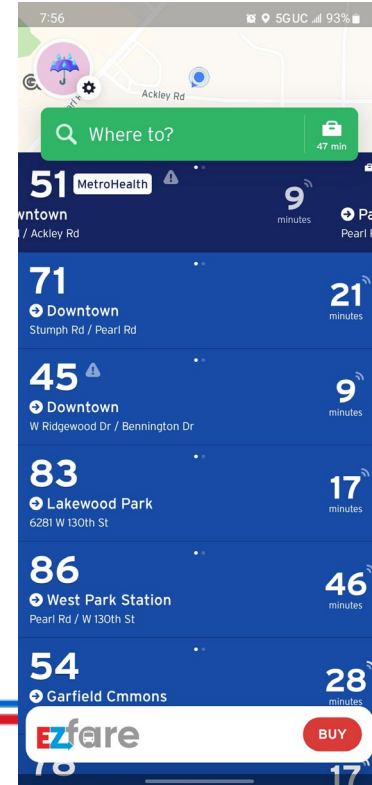
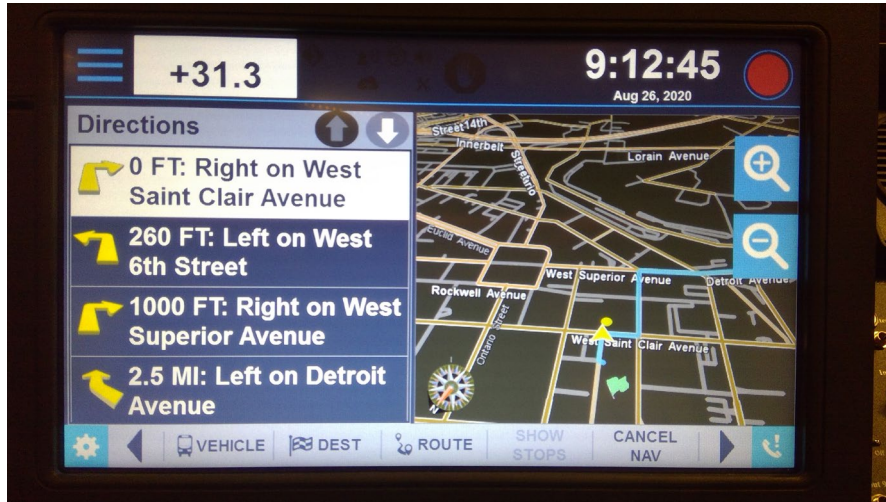
From: 11/28/2023 12:00:00 AM Status: Owned Suppressed: Any Severity: None, Informational, Low, Medium, High

Occurred At	Name	Source	Code	FMI	Lamp	Sev.	Sup.
11/28/2023 7:42:24 AM	eFan (78)	3358	521508: Fan Motor 8 Inoperable	1: Fan Not Operating when commanded on	A	Medium	-
11/28/2023 7:42:24 AM	eFan (78)	3358	521502: Fan Motor 2 Inoperable	1: Fan Not Operating when commanded on	A	Medium	-
11/28/2023 7:42:24 AM	eFan (78)	3358	521501: Fan Motor 1 Inoperable	1: Fan Not Operating when commanded on	A	Medium	-
11/28/2023 7:42:23 AM	eFan (78)	3358	521505: Fan Motor 5 Inoperable	1: Fan Not Operating when commanded on	A	Medium	-
11/28/2023 7:42:23 AM	eFan (78)	3358	521507: Fan Motor 7 Inoperable	1: Fan Not Operating when commanded on	A	Medium	-
11/28/2023 7:42:06 AM	Trans. (3)	3604	3359: Transmission Filter Maintenance	1: Transmission Filter Maintenance Required	A	Medium	-
11/28/2023 7:42:06 AM	Trans. (3)	3604	2003: Check Transmission Indicator is active	31: Condition Exists	A	Informational	-
11/28/2023 7:42:06 AM	Trans. (3)	3604	4177: Transmission Fluid Deteriorated	1: fluid life approximately 1 - 2%	A	Medium	-
11/28/2023 7:42:06 AM	Trans. (3)	3604	4177: Transmission Fluid Deteriorated	17: Transmission Fluid Maintenance Alert	A	Medium	-
11/28/2023 7:41:55 AM	3 (CAN 1)	3216	3027: Transmission Oil Level High / Low	4: Voltage Below Normal, Or Shorted To Low Source		-	-
11/28/2023 7:41:51 AM	Trans. (3)	3216	3027: Transmission Oil Level High / Low	4: Voltage Below Normal, Or Shorted To Low Source		-	-
11/28/2023 7:37:30 AM	Eng. (0)	3622	1322: Engine Misfire for Multiple Cylinders	16: Data Valid But Above Normal Operating Range - Moderately Severe Level	A	Medium	-
11/28/2023 7:37:30 AM	Eng. (0)	3622	1324: Engine Misfire Cylinder #2	16: Data Valid But Above Normal Operating Range - Moderately Severe Level	A	-	-

# Device Management



# Navigation & GTFS Real Time





# Procurement Overview

- Non-competitive purchase with Trapeze Software Group, Inc. dba Vontas
  - R.C. 306.43 H(3)
    - Competitive procedures are not required when the expenditure is for a renewal or re-negotiation of a lease or license for telecommunications or electronic data processing equipment, services, or systems, or for the upgrade of such equipment, services, or systems, or for the maintenance thereof as supplied by the original source or its successors or assigns

# Procurement Overview

- Procurement requested a proposal November 16, 2023
- A proposal was received November 28, 2023
- A 0% DBE goal was assigned to this project
- Proposal was reviewed by representatives from the Information Technology and Procurement Departments

# Procurement Overview

## Firm's Experience

- Pioneers in providing intelligent transportation systems
- Serving transit for over thirty (30) years
- Over forty (40) offices worldwide
- Support 135+ large transit agencies across North America
- Support 1/3 of top 100 fleets in North America in CAD/AVL space

# Procurement Overview

## Vontas Transit Clients

- GCRTA, Central Ohio Transit Authority (COTA), Capital Area Transit Authority (CATA), Southwest Ohio Regional Transit Authority (SORTA), Dallas Area Rapid Transit (DART), Massachusetts Bay Transportation Authority (MBTA), Maryland Transit Authority (MTA), Nashville Metropolitan Transit Authority (WeGo) and Pace Suburban Bus (Suburban Chicago), among many others.

# Procurement Overview

Year	Amount
2024	\$825,549
2025	\$866,480
2026	\$909,697
2027	\$955,021
2028	\$1,002,527
<b>Total</b>	<b>\$4,559,274</b>



# Procurement Overview

## Recommendation:

- Staff requests that the Organizational, Services and Performance Monitoring Committee recommend to the Board of Trustees the award for Computer Aided Dispatch and Automated Vehicle Locator (CAD/AVL) Maintenance and Support services to Trapeze Software Group, Inc. dba Vontas in a negotiated contract amount not to exceed \$4,559,274.00 for a period of five years. This amount is approximately 13% below the independent cost estimate.

# Questions

