



# CAMBRIDGE SYSTEMATICS

Think  Forward

## TransAM Overview *A Platform Summary*

*presented to*

**TSDAC – Virginia DRPT**

*presented by*

*Cambridge Systematics, Inc.*

*Kyle J. Emge*

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# What is TransAM?

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- Asset management
- Project planning
- 1st open source asset management and project planning platform
- Funded through FTA State of Good Repair grant
- Commissioned by Virginia Department of Rail and Public Transportation (DRPT) and Pennsylvania DOT Bureau of Public Transportation (BPT)



# What Assets are in TransAM?

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- Revenue Vehicles
- Equipment (Service Vehicles & Capital Equipment)
- Facilities
- Infrastructure (planned)
- Required data fields (differ by asset category)
  - » Owner, operator, procurement information
  - » Classification (category, class, type, subtype)
  - » Asset ID (VIN), title owner
  - » Manufacturer, model, year, fuel type, length
  - » Seating/standing capacity, wheelchair positions
  - » Modes operated, capital responsibility
  - » In service date, funding data, service life calculations
  - » Service status, rehab data



# Collect Asset Data

## Master record data

<b>Vehicle Type</b> Asset Subtype: Bus Std 40 FT Asset Tag: 000005221-01 External ID: Manufacturer: GIL-Gillig Corporation Other Manufacturer: Manufacturer Model: G20D102N4 Manufacture Year: 2003 VIN: 15GGD201730173879 License Plate: MT30969 Title Number: Title Owner: PAAC-Port Authority of Allegheny County	<b>Characteristics</b> Fuel Type: DF-Diesel Fuel Dual Fuel Type: Other Fuel Type: Vehicle Length (ft): 40 Gross Vehicle Weight (lbs): 0 Seating Capacity: 37 Standing Capacity: 34 Wheelchair Capacity: 2 Vehicle Features: <input type="checkbox"/> AVL System <input type="checkbox"/> Lift Equipped <input checked="" type="checkbox"/> Electronic Ramp <input checked="" type="checkbox"/> Video Cameras <input type="checkbox"/> Fare Box (Standard) <input checked="" type="checkbox"/> Fare Box (Electronic) <input checked="" type="checkbox"/> Radio Equipped	<b>Purchase</b> Purchase Cost: \$ 323444 Purchase Date: 07/11/2003 Warranty Date: In Service Date: 07/11/2003 Purchased New: <input checked="" type="radio"/> Yes <input type="radio"/> No Vendor: Gillig Corporation Funding History: Funding Program: % Pcnt: %	<b>FTA Reporting</b> <input type="checkbox"/> ADA Accessible FTA Funding Type: NFPA-Non-Federal public funds <input type="checkbox"/> FTA Emergency Contingency Fleet FTA Vehicle Type: BU-Bus Primary Mode: MB-Bus FTA Service Type: <input checked="" type="radio"/> DO-Directly Operated <input type="radio"/> PT-Purchased Transportation Supports Another Mode: Supports Another FTA Service Type: Direct Capital Responsibility: <input checked="" type="radio"/> Yes <input type="radio"/> No Percent Capital Responsibility: 100 % Dedicated: <input checked="" type="radio"/> Yes <input type="radio"/> No
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# What does TransAM do?

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- Maintain asset data
- Track asset life-cycle events
- Data exports, reports and query capability
- Policy creation (TAM, service life, inflation...)
- Project creation/project planning (funding)
- Funding/budget tracking
- Specialized features (NTD reports, auditing...)

# Manage Asset Life Cycle Data

## Update mileage, condition, and overhaul data

**Mileage**

\* **Current Mileage**

\* **Date of Mileage**

Set as Ending Annual Mileage for NTD A-30

OFF

**Comments**

Enter any additional comments...

**Rebuild/rehabilitation**

\* **Date of Report**

**Total Cost**

**Extended Useful Life Months**

**Extended Useful Life Miles**

\* **Notes**

Describe work performed...

**Condition**

\* **Assessed Rating**

\* **Date of Report**

**Comments**

Enter any additional comments...

**Notes**

Use the following scale to determine the correct rating for the asset. You can enter fractional values such as 4.5 or 2.75 .

- 5.0 New/Excellent - New Asset
- 4.0 Good - Minimal Signs of Wear
- 3.0 Adequate - Mid-Life
- 2.0 Marginal - Reaching/At End of Useful Life
- 1.0 Poor - Past Useful Life

Note that the FTA ranks any asset with a condition rating < 2.5 as in need of replacement.

# Track Asset Life-Cycle Events

*Track the entire life-cycle of each asset*

☆ Bus < 30 FT: WT-21 Actions ▾

Configuration Purchase History **5** Tasks **0** Comments **0** Documents **0** Photos **0** Charts FTA Reporting Depreciation Capital Projects **2** Audit Results **1**

Owner: WCTA

Description: FRD E350 Champion Chellenger

Asset Tag: WT-21

External ID:

Manufacturer: FRD

Class: Revenue Vehicles

Type: Bus < 30 FT

Status: In Service

End of Useful Life

Est. End of Service

Event	Date	Update	Notes
Condition	1/31/2017	Condition recorded as 5.0 (New/Excellent)	
Service Status Update	1/31/2017	Service status changed to In Service.	
Mileage Update	1/31/2017	Mileage recorded as 15228 miles.	
Service Status Update	7/15/2016	Service status changed to In Service.	
Condition	7/8/2016	Condition recorded as 5.0 (New/Excellent)	

Showing 1 to 5 of 5 rows

Age: 1 yrs

Mileage Reported: 15,228

Condition: New/Excellent

Last Maintenance:

Replacement Status: By Policy

Scheduled Year: FY 21-22

Replacement Cost: \$61,462

Policy Year: FY 21-22

Book Value: \$47,004

# Contact Info – Questions?

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**Kyle J. Emge**  
*Software Product Line Manager*

Cambridge Systematics, Inc.  
101 Station Landing, Suite 410  
Medford, MA 02155

781.539.6780

[kemge@camsys.com](mailto:kemge@camsys.com)