



# Federal Transit Administration

## Transit Asset Management (TAM) Webinar Series

### Greater Bridgeport Transit

Updating the Asset Inventory – TAM Work Underway at a Tier II Property

May 23, 2017





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# Background

- “...insufficient funding combined with *inadequate transit asset management practices* have contributed to an estimated \$85.9 billion transit State of Good Repair (SGR) backlog...”
- **Tier II** - *A recipient that owns, operates, or manages 100 or fewer vehicles in revenue service during peak regular service across all non-rail fixed route modes or in any one non-fixed route mode.*
- Working With the **Connecticut Department of Transportation** (CTDOT) on the Development of a Statewide Tier II Plan

# Elements of the GBT TAM Plan

## 49 U.S.C. 5326

### Key Elements of the Tier II Plan

- 1. Inventory of the Number and Type of Capital Assets (RS,F/E,I)** *(Commensurate with the level of detail of the providers program of capital projects)*
- 2. Asset Condition Assessment** *(To monitor and predict the performance of the asset and inform prioritization)*
- 3. Process for Investment Prioritization** *(To estimate investment needs over time)*
- 4. Prioritization of Investment** *(Rank projects, considering safety and accessibility)*

# GBT Inventory

- Contains Information On All Assets => \$300.00 (Tagged and Inventoried Annually)
- GBT Will Apply Regulation First to Meet FTA Threshold
- Finance Staff Verifies All Information – Maintenance and Other Staff Involved in Condition Assessment
- Fields for Estimated Life and Condition Assessment Available - Historically Not Used
- Assets Tended to be Used Until Failure (or Almost Fail)
- Interrupts Capital Program Budgeting Process

## Additional Fields for all Records:

- ✓ Asset Classes (RS, F/E, I)
- ✓ Condition Assessment
- ✓ Estimated Replacement Date
- ❖ Safety Critical Determination (Y/N)
- ❖ Mission Critical Determination (Y/N)
- ❖ Accessibility Feature (Y/N)

# Asset Management System Transition

- Move from Manual to an Automated System
- Flexibility in the Database
- Transition Was Not for New TAM Effort
- “Legacy” System Contains What is Needed for the Updated Inventory (Asset Class, Useful life, Asset Condition, Estimated Replacement Value, Other Items)

➤ Sage® Fixed Asset Solution

# Original Asset Inventory

- Part of Financial Planning Process - Depreciation

- ✓ Asset Description
- ✓ Location
- ✓ Origin
- ✓ Original Cost
- ✓ Date of Purchase
- ✓ Source of Funding

- ❖ Estimated Life
- ❖ Condition

Form No. F-51

**PROPERTY RECORD**  
MACHINERY, TOOLS AND EQUIPMENT  
(Furnishings)

Identification No. 184

Description Jack Stand - Dover Garage Equipment

Model \_\_\_\_\_

Make \_\_\_\_\_ Year \_\_\_\_\_ Serial No. 93522

Dept. \_\_\_\_\_ Location Dover

Purchased from Connecticut Drive Shaft Date 3/4/80

Maintenance Contract with \_\_\_\_\_ Contract No. \_\_\_\_\_

ORIGINAL COST		SOURCE OF FUNDS	
Purchase Order No. _____	Voucher No. <u>20064</u> \$ <u>118.50</u>	Current Appropriations	\$ _____
Freight _____	Voucher No. _____	Bonds	_____
_____	Voucher No. _____	Notes (Type)	_____
Estimated Life _____	Total - \$ _____	State Aid } Section 3	_____
Condition _____	_____	Federal Aid }	_____
_____	_____	Gift	_____
_____	_____	Other	_____
_____	_____	Total - \$	_____

WILLIAMSON LAW BOOK CO. ROCHESTER, N. Y. 14609



# Current Inventory

## Assets

### Tasks

- Add an Asset
- Import Assets
- Calculate Depreciation
- Dispose an Asset
- Transfer an Asset
- Post Depreciation J/E
- Reset Depreciation
- Bulk Dispose Assets
- Bulk Transfer Assets
- Print Asset Detail
- Run Audit Advisor

### Customize

- Create/Edit a Group
- Customize a Field
- Create a SmartList
- Change User Preferences

## Assets



### Reports

### System Administration

### Assistance Center

## Asset List - GREATER BRIDGEPORT TRANSIT

Co Asset No:  Go

Group: <All Complete Assets>  

All	Sys No	Status	Co Asset...	Description	Acquisition Date	Location	Department	Class	G/L Expense Acct No	G/L Asset Acct No	G/L Accum Acct No	Purchase Order...	Insurance C
	2256	Active	2209	Goshen/Chevy Coach Commercial Bus 2012	10/11/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2257	Active	2210	Goshen/Chevy Coach Commercial Bus 2012	10/11/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2258	Active	2211	Goshen/Chevy Coach Commercial Bus 2012	10/11/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2259	Active	2212	Goshen/Chevy Coach Commercial Bus 2012	10/11/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2260	Active	2213	Goshen/Chevy Coach Commercial Bus 2012	10/11/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2261	Active	2214	Goshen/Chevy Coach Commercial Bus 2012	10/12/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2262	Active	2215	Goshen/Chevy Coach Commercial Bus 2012	10/12/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2263	Active	2216	Goshen/Chevy Coach Commercial Bus 2012	10/12/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2264	Active	2217	Goshen/Chevy Coach Commercial Bus 2012	10/12/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2265	Active	2218	Goshen/Chevy Coach Commercial Bus 2012	10/19/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2266	Active	2219	Goshen/Chevy Coach Commercial Bus 2012	10/23/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2267	Active	2220	Goshen/Chevy Coach Commercial Bus 2012	11/02/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2268	Active	2221	Goshen/Ford Coach G-Force Commercial Bus	10/25/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2269	Active	2222	Goshen/Ford Coach G-Force Commercial Bus	11/02/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2270	Active	2223	Goshen/Ford Coach G-Force Commercial Bus	11/02/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2271	Active	2224	Goshen/Ford Coach G-Force Commercial Bus	11/06/2012	Garage			51320-17-00	11101-17-00	11103-17-00	0048597	
	2278	Active	005273	Fire Door: 47.5'x85"	03/28/2013	Garage-Fuel Bay, St			51320-35-00	11101-35-00	11103-35-00	0049818/49998	
	2279	Active	005274	Building Interior Letters: 3'x3/8" (thick); 'gbt,	10/09/2012	Admin Bldg, Rece			51320-37-00	11101-37-00	11103-37-00	0049288	
	2280	Active	5275	Free Standing Exterior LED Illuminated Sign	11/28/2012	Admin Bldg, Front			51320-37-00	11101-37-00	11103-37-00	0049288	
	2281	Active	005240	Fence Mounted Sign: 24"x1/8" (thick)	10/12/2012	1 Cross St., Fnt Gat			51320-37-00	11101-37-00	11103-37-00	0049288	
	2282	Active	005241	Fence Mounted Sign: 24"x1/8" (thick)	10/18/2012	1 Cross St., Fnt Gat			51320-37-00	11101-37-00	11103-37-00	0049288	
	2283	Active	005242	Fence Mounted Sign: 24"x1/8" (thick)	10/18/2012	1 Cross St., Brndwy			51320-37-00	11101-37-00	11103-37-00	0049288	
	2284	Active	005276	Building LED Halo Lighting Letters	10/09/2012	Admin Bldg, Exteri			51320-37-00	11101-37-00	11103-37-00	0049288	
	2285	Active	005277	Improvement: Driveway Pavement	11/26/2012	1 Cross St., Admin			51320-37-00	11101-37-00	11103-37-00	0049340	
	2286	Active	005278	Improvement: Prep and Paint Interior of Admi	10/03/2012	1 Cross St.			51320-37-00	11101-37-00	11103-37-00	0049057	
	2287	Active	005279	Improvement: Prep and Paint Exterior of Admi	10/03/2012	1 Cross St.			51320-37-00	11101-37-00	11103-37-00	0049057	
	2288	Active	005290	Improvement: Carpet/Wood Paneling of Mail	10/03/2012	1 Cross St.			51320-37-00	11101-37-00	11103-37-00	0049056	
	2289	Active	005005	HP Note Book	03/12/2013	Garage Library			51320-40-00	11101-40-00	11103-40-00	0049874	
	2290	Active	005267	Voice Recorder & Logger w/ Software	10/11/2012	Server Room			51320-40-00	11101-40-00	11103-40-00	0048934	
	2291	Active	005268	Voice Recorder Processor & Storage Hard Driv	08/15/2012	Server Room			51320-40-00	11101-40-00	11103-40-00	0048933	
	2292	Active	005269	Check Printer: HP LaserJet 5200TN	09/12/2012	Accounting Depart			51320-40-00	11101-40-00	11103-40-00	0049197	
	2293	Active	005280	Failover Project: Interface & Router	01/31/2013	St. Vincent's Hspl Ro			51320-40-00	11101-40-00	11103-40-00	0049734	
	2294	Disposed	005281	HP LaserJet ET Pro200 Color MFP	11/13/2012	710 Water St., Boar			51320-40-00	11101-40-00	11103-40-00	0049486	
	2295	Active	005282	Failover Project: Interface & Router	01/31/2013	710 Water St., Serv			51320-40-00	11101-40-00	11103-40-00	0049734	
	2296	Active	005283	Server: Arrival Departure Sign	08/03/2012	710 Water St., Serv			51320-40-00	11101-40-00	11103-40-00	0049086	
	2297	Active	005284	Gov Win Server (2008R2) w/ Software	08/07/2012	Server Room			51320-40-00	11101-40-00	11103-40-00	0049686	
	2298	Active	005287	Security Monitor, Samsung 32" LCD Smart TV	06/25/2013	Acct. Department			51320-40-00	11101-40-00	11103-40-00	0050287	
	2299	Active	005272	Improvement: Recess Lights & Photo Cells	01/04/2013	N & S Entrances Bu			51320-42-00	11101-42-00	11103-42-00	0049648	
	2300	Active	005291	Improvement: Referburishment to Gull Wing B	08/02/2012	John & Broad St., B			51320-42-00	11101-42-00	11103-42-00	0046931	
	2301	Active	005233	Coats 3 Phase Tire Balancer (6450-3D) w/ Sci	08/13/2012	Garage			51320-45-00	11101-45-00	11103-45-00	0048947	
	2302	Active	005234	Platform Ladder: Cottman Steel, 28'x51"	03/14/2013	Garage: Washbay			51320-45-00	11101-45-00	11103-45-00	0049021	
	2303	Active	005236	Portable, Inroom A/C 3.5kw	08/17/2012	Garage Library			51320-45-00	11101-45-00	11103-45-00	0049032	
	2304	Active	005238	HE Air Powered Drump Pump: 33-11/16"	01/31/2013	Garage			51320-45-00	11101-45-00	11103-45-00	0049747	
	2305	Active	005235	Landa Pressure Washer	09/05/2012	Garage			51320-45-00	11101-45-00	11103-45-00	0049224	
	2306	Active	005237	Single Jer Locker, Set of 3	12/10/2012	Garage			51320-45-00	11101-45-00	11103-45-00	0049547	
	2307	Active	005254	Oil Control Valve, Hose, & Reel (109057/1591	12/20/2012	Garage			51320-45-00	11101-45-00	11103-45-00	0049606	



# Drill Down By Record

File Edit View Asset Depreciation Reports Customize Links Window Help

Assets

Asset Detail - GREATER BRIDGEPORT TRANSIT Version 2013.1

Asset 2212: Goshen/Chevy Coach Commercial Bus 2012  
Status: Active

Co Asset No:  Go Group: <All Complete Assets>

Main Transactions Notes Images History

System Number: 2259

General Information > Items in bold are required fields

Co Asset No	2212	Description	Goshen/Chevy Coach Commercial Bus 2012	
G/L Asset Acct No	11101-17-00	Class		
Location	Garage	G/L Accum Acct No	11103-17-00	
G/L Expense Acct No	51320-17-00	Purchase Order No	0048597	
Mfg Serial No	1gb3g2b7c1200064	Vendor/Mfg	North Central Bus	
Custodian	Maintenance	Warranty Date	MM/DD/YYYY	
Department		Insurance Category		
User Numeric 1	0	Replacement Value		
RV Override?	No	Grant	ct90x458	
MODEL #		Grant % to Fed	80	
Vendor No. 2		Grant % to State	20	
Mfg Serial No. 2		Condition of Asset		
PO No. 2		Supplier No. 3	Disposed	
PO No. 3		Acquisition Date	Excellent	
			Fair	Item was disposed of
			Good	Excellent Condition
			Out of service	Fair Condition
			Poor	Good condition
				Taken out of service
				Poor Condition

Book Information

Acquisition Date:  Acquired by: ☒ Purchase ☐ Exchange or Conversion

	Internal	Closed-Tax	Closed-State	Closed-AMT	Closed-ACE	Closed-Book 6	Closed-Book 7
Property Type	A						
Placed-in-Service Date	10/11/2012						
Acquisition Value	\$70,674.36						
Depreciation Method	SL						
Estimated Life	04 yrs 00 mos						
ADS Life	N/A						
Business Use %	100						
179 Deduction	\$0.00						
168 Allowance %	0						
Salvage Value	\$0.00						
Investment Tax Credit	\$0.00						
Beginning Date	MM/YYYY						
Beginning YTD	\$0.00						
Beginning Accum	\$0.00						
Depreciation Calculations							
Current Through Date	06/2016						
168 Allowance Amount	\$0.00						
Current YTD	\$17,668.59						
Current Accum	\$66,257.21						
Net Book Value	\$4,417.15						
Period Close Date	06/2016						

Assets Reports System Administration Assistance Center

Asset List Print Detail Save Asset IRS Table Help

# Drill Down by Field

> Items in bold are required fields

<b>Description</b>	Goshen/Chevy Coach Commercial Bus 2012	
<b>Class</b>		
G/L Accum Acct No	11103-17-00	
Purchase Order No	0048597	
Vendor/Mfg	North Central Bus	
Warranty Date	MM/DD/YYYY	
Insurance Category		
Replacement Value		
Grant	ct90x458	
Grant % to Fed	80	
Grant % to State	20	
Condition of Asset	<div>▼</div>	
Supplier No. 3	Disposed	Item was disposed of
Acquisition Date	Excellent	Excellent Condition
	Fair	Fair Condition
	Good	Good condition
	Out of service	Taken out of service
	Poor	Poor Condition

# Capital Planning and Programming

## Asset Inventory - Decision Support Tool

- Capital Programming Currently Not Based on Inventory *or* Formal Condition Assessment
- Consists Generally of Annual “Ask” of Department Leaders
- Some Departments are More Detailed than Others
- Can Miss Important Items in Asset Classes
- Process is Not Good at Predicting System Failures or Informing the Process

When complete, the process will generate reports of assets reaching useful life with condition assessments and other (safety/mission/accessibility critical) characteristics as a decision support tool for capital programming.

# Expected Outcomes

- Use new Asset Inventory as a decision support tool;
- Inform and improve the accuracy of capital programming;
- Inform the investment prioritization process;
- Prevent systems from failing before replacement; and
- Ensure SGR – *“The state at which an asset can be operated (safely) at a full level of performance”*.

GBT expects no new major expenses and no additional staff to meet the requirements of the regulation.

# Larger TAM Goals

- Reduced Safety Risks
- Increased System Reliability
- Reduced Maintenance Costs
- Overall Improvement in Safety and Performance

## Reference Materials:

- FTA Transit Asset Management Newsletter
- FTA Asset Management Guide (Report 0027) - October 2012
- National Transit Institute (NTI) – *Introduction to Asset Management*

## Contacts at GBT:

- Doug Holcomb – [dholcomb@gogbt.com](mailto:dholcomb@gogbt.com)
  - Adrienne Belanger – [abelanger@gogbt.com](mailto:abelanger@gogbt.com)
- 
- Software – Sage® Fixed Asset Solution