



## TransAM

*General User*

# User Guide

*prepared for*

**Southern California Association of Governments (SCAG)**

*prepared by*

**Cambridge Systematics, Inc.**



*user guide*

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# Table of Contents

<b>1.0</b>	<b>Welcome!</b>	1
1.1	Initial Log In and Password Reset	1
1.2	Ongoing Site Access	2
<b>2.0</b>	<b>Dashboard</b>	3
2.1	Dashboard Elements	3
2.2	Header Menu and Controls	3
<b>3.0</b>	<b>General Features and Tools</b>	5
3.1	Table Controls	5
3.2	Site Filters	5
3.3	Messages	6
3.4	Activity Line Item (ALI) Filter	7
3.5	Organizations Filter	8
3.6	Search	9
3.7	User and Organization Options	9
3.8	Notifications	11
3.9	Help	11
<b>4.0</b>	<b>Asset Inventory</b>	13
4.1	Add an Asset	13
4.2	Accessing Existing Assets	15
4.3	Editing or Updating Existing Asset Profile Data	17
4.4	Updating Existing Asset Lifecycle Data	18
4.5	Action Events (Disposition and Transfer Review)	19
4.6	Adding or Updating Assets by Bulk Update	21
4.7	Query	24
4.8	Map	27
4.9	Groups	29
<b>5.0</b>	<b>Maintenance</b>	31
5.1	Performance Restrictions	31
<b>6.0</b>	<b>Policies</b>	35
6.1	Asset Replacement/Rehabilitation Policy	35
6.2	TAM Policy	41
<b>7.0</b>	<b>Projects</b>	45

<b>8.0 Project Planning .....</b>	<b>49</b>
8.1 Project Planner .....	49
8.2 State of Good Repair (SOGR) Capital Project Analyzer .....	51
<b>9.0 Compliance .....</b>	<b>53</b>
<b>10.0 Funding .....</b>	<b>55</b>
10.1 Programs .....	55
<b>11.0 Reports .....</b>	<b>57</b>
11.1 Inventory Reports.....	57
11.2 Capital Needs Reports.....	59
11.3 Planning Reports .....	59
<b>12.0 Specialized Reports .....</b>	<b>63</b>
12.1 Asset Fleet Builder.....	63
12.2 NTD Asset Reports .....	66

## List of Figures

Figure 1	Password Reset Request Screen.....	1
Figure 2	Set/Reset Password Screen.....	1
Figure 3	Login Screen.....	2
Figure 4	Dashboard Elements .....	3
Figure 5	Header Menu .....	3
Figure 6	Sorting Controls .....	5
Figure 7	Export Button .....	5
Figure 8	Table Tools .....	5
Figure 9	Filter Icon .....	5
Figure 10	User Profile Messages .....	6
Figure 11	Messages .....	6
Figure 12	Message Interface .....	7
Figure 13	ALI Filter .....	7
Figure 14	ALI Filters.....	7
Figure 15	New ALI Filter .....	8
Figure 16	Organization Filter .....	8
Figure 17	Organization Filter Selections.....	8
Figure 18	Search Box .....	9
Figure 19	User Menu .....	9
Figure 20	User Menu Dropdown.....	9
Figure 21	Organization Details .....	10
Figure 22	Profile Details.....	10
Figure 23	Report an Issue .....	11
Figure 24	Notification Drawer .....	11
Figure 25	User Guide.....	12
Figure 27	Asset Inventory Dropdown .....	13
Figure 28	Adding an Asset.....	13
Figure 29	Select the Organization and Asset Class .....	14
Figure 30	Adding Asset Required Details.....	14
Figure 31	Add the Asset and Go To The New Record.....	15
Figure 32	Existing Assets .....	16
Figure 33	Existing Asset Interface .....	16
Figure 34	Asset Record: Highlights .....	17
Figure 35	Asset Record: Profile and Summary .....	17
Figure 36	Editing the Profile of an Existing Asset.....	17

---

Figure 37	Updating the Lifecycle of an Existing Asset .....	19
Figure 38	Asset Action Events (Disposition and Transfer) .....	20
Figure 39	Early Disposition Requests.....	20
Figure 40	Bulk Updates .....	21
Figure 41	Bulk Update Tools .....	21
Figure 42	Bulk Update Details .....	22
Figure 43	Bulk Update Spreadsheet Download.....	22
Figure 44	Bulk Update Spreadsheet.....	22
Figure 45	Bulk Update Upload.....	23
Figure 46	Bulk Upload Processing .....	23
Figure 47	Bulk Update Edit .....	24
Figure 48	Asset Query .....	24
Figure 49	Column Selection.....	25
Figure 50	Filter Selection .....	25
Figure 51	Calculate, Export or Save .....	26
Figure 52	Saved Queries .....	26
Figure 53	Asset Map.....	27
Figure 54	Map Customization.....	27
Figure 55	Map Layers .....	28
Figure 56	Map Filter .....	28
Figure 57	Map Asset Details.....	29
Figure 58	Asset Groups .....	29
Figure 59	Adding an Asset to a Group .....	30
Figure 60	Asset Inventory Dropdown : Infrastructure - Track.....	31
Figure 61	Existing Asset Interface : Infrastructure - Track .....	31
Figure 62	Lifecycle Action Menu.....	32
Figure 63	Performance Restriction Lifecycle Event.....	32
Figure 64	Maintenance Dropdown.....	33
Figure 65	Performance Restriction Management.....	33
Figure 66	Policies Dropdown .....	35
Figure 67	Policy Rule Sets.....	35
Figure 68	Asset Replacement/Rehabilitation Policy .....	36
Figure 69	Asset Replacement/Rehabilitation Policy Filters .....	36
Figure 70	Policy Rules .....	37
Figure 71	Policy Rules Actions Dropdown.....	37
Figure 72	Export rules to Excel (Windows dialog box) .....	37
Figure 73	Modify (Update) Organization Policy Dialog.....	38

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Figure 74	Copy Organization Policy Dialog .....	38
Figure 75	Asset Types .....	39
Figure 76	Additional Assets Dropdown Icon.....	39
Figure 77	Asset Type Rules.....	39
Figure 78	Edit Icon.....	39
Figure 79	Modify Asset Policy Rule .....	40
Figure 80	Asset Type and Asset Subtype rules.....	40
Figure 81	Modify Asset Subtype Rule .....	40
Figure 82	Remove Asset Subtype Rule.....	41
Figure 83	TAM Policy Dropdown Menu Selection .....	41
Figure 84	TAM Policy Performance Measures .....	42
Figure 85	Policy Year Filters.....	42
Figure 86	Asset Type Percentage Settings .....	42
Figure 87	Activate Perfomance Measures.....	43
Figure 88	Capital Projects Table.....	45
Figure 89	New Capital Project .....	46
Figure 90	Capital Project Details .....	46
Figure 91	Add an ALI .....	47
Figure 92	Add an ALI Details .....	47
Figure 93	Project Planner Interface .....	49
Figure 94	Edit Manually Created Capital Projects .....	50
Figure 95	Edit SOGR Capital Projects.....	50
Figure 96	Prioritize Projects <i>Move ALIs to Different Years</i> .....	51
Figure 97	Running SOGR Capital Project Analyzer .....	52
Figure 98	SOGR Capital Project Analyzer Processing.....	52
Figure 99	Compliance Options .....	53
Figure 100	Audit Results.....	53
Figure 101	Available Funding Programs .....	55
Figure 102	Funding Program Details.....	55
Figure 103	Reports Dropdown.....	57
Figure 104	Report Exports.....	57
Figure 105	Asset Condition Report.....	57
Figure 106	Asset Age Report.....	58
Figure 107	Asset Funding Source Report .....	58
Figure 108	Backlog Report .....	59
Figure 109	Unconstrained Capital Projects Report .....	59
Figure 110	Revenue Vehicle Replacement Report .....	60

Figure 111	State of Good Repair Report .....	60
Figure 112	Disposition Report .....	60
Figure 113	Asset Service Life Summary Report.....	61
Figure 114	TAM Service Life Summary Report.....	61
Figure 115	Asset Fleet Builder.....	63
Figure 116	Asset Fleet Builder—Orphaned Assets .....	64
Figure 117	Adding an Orphaned Asset to a Fleet .....	64
Figure 118	Adding a New Fleet .....	65
Figure 119	Update Asset Fleet Details .....	65
Figure 120	Update Odometer Readings.....	65
Figure 121	Remove or Add Assets from within a Fleet .....	66
Figure 122	Access NTD Reports .....	67
Figure 123	Table of Previously Generated NTD Reports.....	67
Figure 124	Create New Reporting Year Forms .....	68
Figure 125	NTD Report Details and Data.....	68
Figure 126	Download each NTD Form .....	68

# 1.0 Welcome!

TransAM is an asset management system designed to support the needs of State DOTs, Planning Agencies, and Transit Agencies. The system manages assets of all types, including revenue vehicles, equipment, facilities, and infrastructure. The system stores crucial information about every asset category and maintains a complete history of the asset as it ages, including; changes in condition, usage, value/depreciation, and other lifecycle events are, that are recorded and can be reviewed at any time. A variety of reports can be generated on asset condition, value, and capital replacement needs.

TransAM, an open-source asset management platform developed by Cambridge Systematics. TransAM focuses on transit assets and project planning, and is designed to make it easier for State DOTs, Planning Agencies, and Transit Agencies to share and exchange information related to assets, projects, and funding.

## 1.1 Initial Log In and Password Reset

If this is your first time logging in, you should receive an email following the creation of your user account, with a link instructing you to reset your password. Click the link in the email and you will be directed to enter your email address in order to reset your password; enter your email address and click the “Send me reset password instructions” button. If you are an existing user and you forgot your password, you will be taken to the same screen by clicking on the “Forgot Your Password” link on the login page.

**Figure 1 Password Reset Request Screen**

The email address you enter, must match the email address entered when your account was established

Once you receive your “Reset Password Instructions” email, click on the “Change my password” link within the email, you will be redirected to the system site in your web browser, and you will be prompted to enter your new password twice. Once you enter your password twice, if it meets the password requirements, you will be automatically logged in.

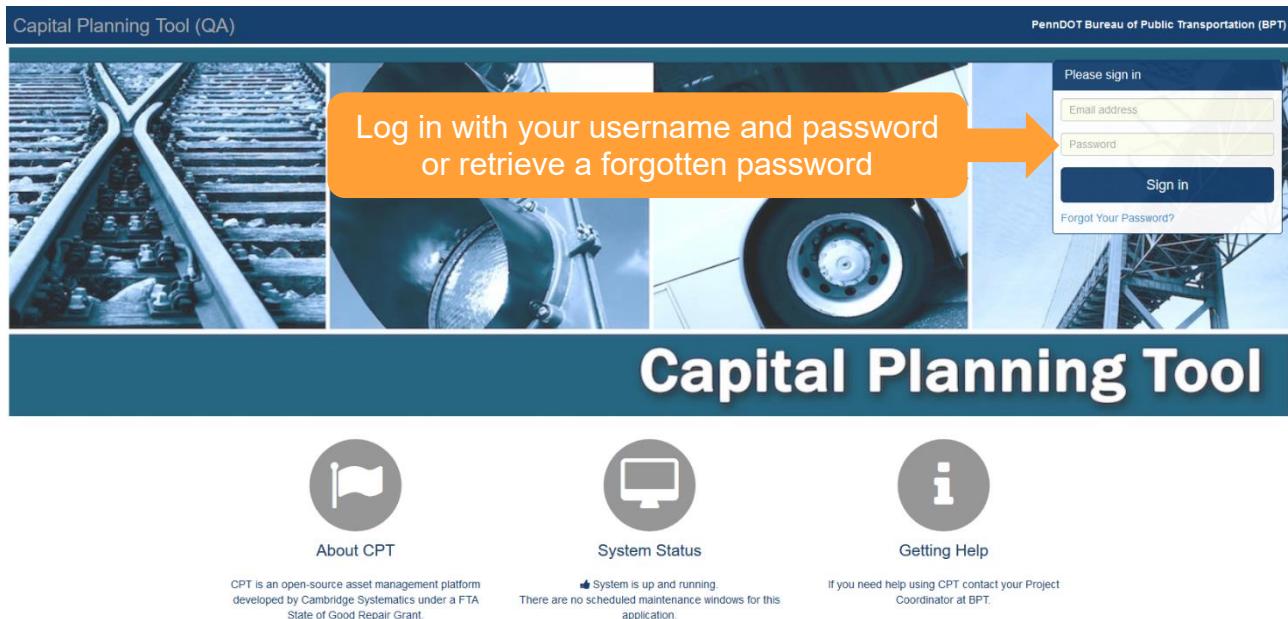
**Figure 2 Set/Reset Password Screen**

## 1.2 Ongoing Site Access

The system can be accessed via the following URL: <https://transam-scag.camsys-apps.com>.

Ongoing access can be obtained by bookmarking the site URL in your web browser and clicking on the link, upon which you'll be greeted with a login screen. Enter your credentials in the appropriate fields to login. You also can request a password reset by pressing the "Forgot Your Password?" button.

**Figure 3     Login Screen**



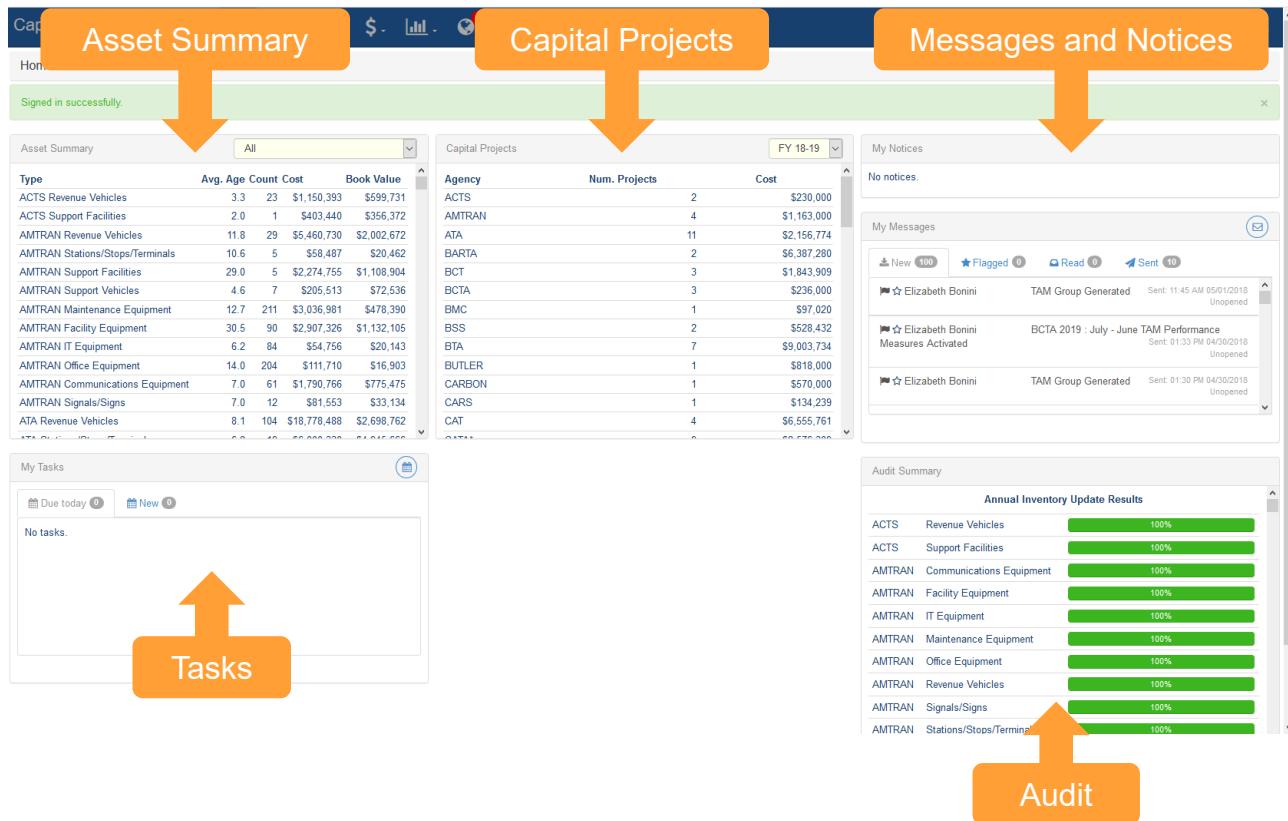
## 2.0 Dashboard

### 2.1 Dashboard Elements

Once you're logged in, your first experience will be the dashboard. The dashboard has a variety of elements.

The dashboard widgets highlighted below are: Asset Summary, Capital Projects, My Notices, My Messages, My Tasks, and Audit Summary. These provide a quick glance at the contents within the system.

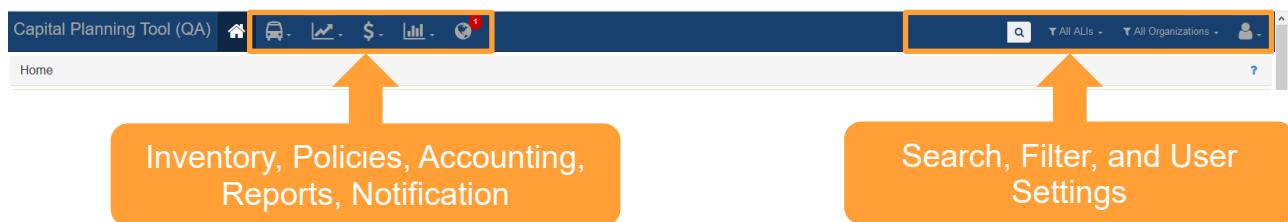
**Figure 4** Dashboard Elements



### 2.2 Header Menu and Controls

The menu icons at the top guide you to the deeper content pages within the system: Inventory, Policies, Accounting, Reports, and Notifications. There also are controls to search, filter Activity Line Items (ALI) or organizations, and user settings.

**Figure 5** Header Menu





## 3.0 General Features and Tools

As you progress through the system, there are some common interface elements that you'll encounter often.

### 3.1 Table Controls

There are lots of tables inside the system. The tables have common control tools that allow you to manipulate the table contents and export the table.

On header elements, you'll notice two arrows to the right of each column. These controls sort the table ascending or descending based on this column.

**Figure 6 Sorting Controls**



The Export All button to the top right of the table exports all table elements into an Excel table.

**Figure 7 Export Button**



There also are a set of tools to the top right of the table. The left button either displays the table with pagination (e.g., the table shows only a configurable number of rows per page), or the entire table.

The center button allows the user to show or hide different columns. Check marks next to the column indicate if a column will be shown and allow the user to toggle the column on or off.

The right button exports the current table view (complete with filters and excluding hidden elements) into a.CSV,.TXT, or an.XLSX (Excel) file format.

**Figure 8 Table Tools**



### 3.2 Site Filters

Throughout the site, there are various opportunities to filter data. When you see the following icon it means you can pare down displayed data with a filter.

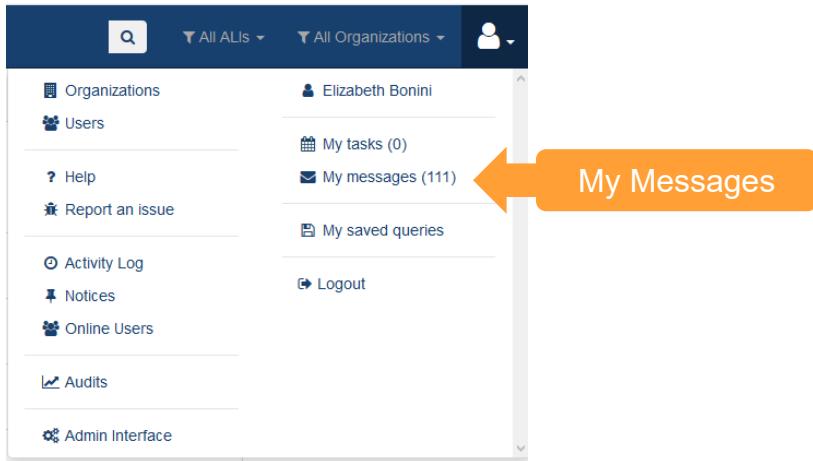
**Figure 9 Filter Icon**



### 3.3 Messages

You can access Messages through the User Profile drop down menu.

**Figure 10 User Profile  
Messages**



Users are able to send and receive messages to one or more users through the interface.

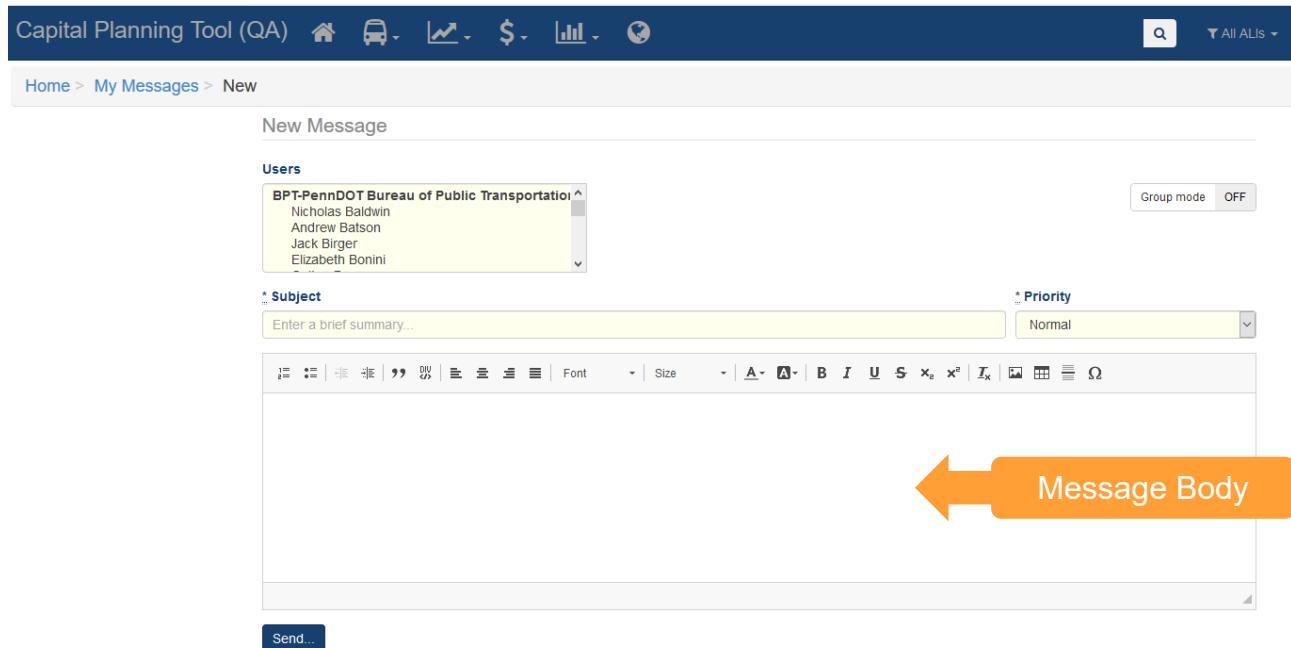
**Figure 11 Messages**

The screenshot shows the Capital Planning Tool (QA) 'My Messages' page. At the top, there are navigation icons for Home, Bus, Graph, Dollar, Bar, and Mail. Below that is a breadcrumb trail: Home > My Messages. The main area has buttons for Refresh, Compose, New (111), Flagged (0), Inbox (0), and Sent (0). A table lists three messages from 'system user': 'User account locked' (Sent: 01:51 PM 08/17/2018, Unopened), 'User account locked' (Sent: 12:22 PM 07/15/2018, Unopened), and 'User account locked' (Sent: 11:21 AM 07/15/2018, Unopened).

From	Subject	Sent
system user	User account locked	08/17/2018 Unopened
system user	User account locked	07/15/2018 Unopened
system user	User account locked	07/15/2018 Unopened

Selecting Compose will allow you to create a new message. Recipients options will be a list of users in your organization. You can enter the Subject and choose Low, Normal, or High Priority for the message. Type the intended message into the Message Body and press “Send...” when complete.

**Figure 12 Message Interface**



### 3.4 Activity Line Item (ALI) Filter

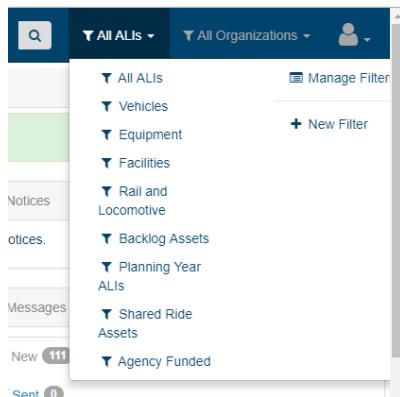
The Activity Line Item (ALI) Filter allows you to pare down on which types of individual funding requests (what are categorized by ALI code) within projects that you can view. This filter only applies to Sections 6 and 7 of this document (Projects and Project Planning).

**Figure 13 ALI Filter**



You can filter with prepopulated selections or create your own filters.

**Figure 14 ALI Filters**



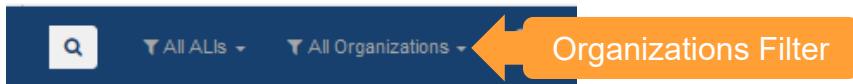
To create a new filter, select “New Filter” and specify the details required.

**Figure 15** New ALI Filter

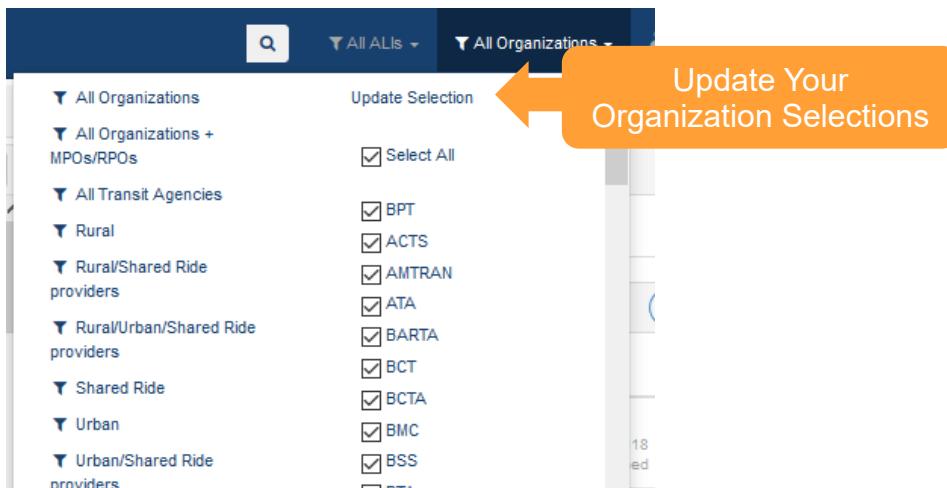
The screenshot shows the 'New ALI Filter' interface. On the left, there's a sidebar with 'Details' sections for 'Name' (with a placeholder 'Enter a name for this filter') and 'Description' (with a placeholder 'Enter a description for this filter'). Below these are options for 'Shared With': 'No One', 'BPT', and 'All Organizations'. The main right panel is titled 'Parameters' and contains several dropdown menus and checkboxes. These include 'Type' (set to 'All'), 'SOGR' (set to 'All'), 'Scope' (set to 'All'), 'Project Location' (dropdown), 'Asset Type' (dropdown), 'Asset Subtype' (dropdown), 'In Backlog' (checkbox), 'Owner' (dropdown), 'Funding' (dropdown), and 'Not fully funded' (checkbox). At the bottom are two buttons: 'Update ALI Filter' and 'Update and Select This Filter'.

### 3.5 Organizations Filter

If you have oversight of several organizations, you can limit your scope down to certain organizations, in order to only view organization-specific data across the system.

**Figure 16** Organization Filter

After you select the organizations you desire, make sure to click Update Selection at the top of the dropdown menu.

**Figure 17** Organization Filter Selections

## 3.6 Search

The system includes a sitewide search feature. It can be found in the top center-right of each page. Click the magnifying glass icon and enter keywords to search sitewide for content.

**Figure 18** Search Box



## 3.7 User and Organization Options

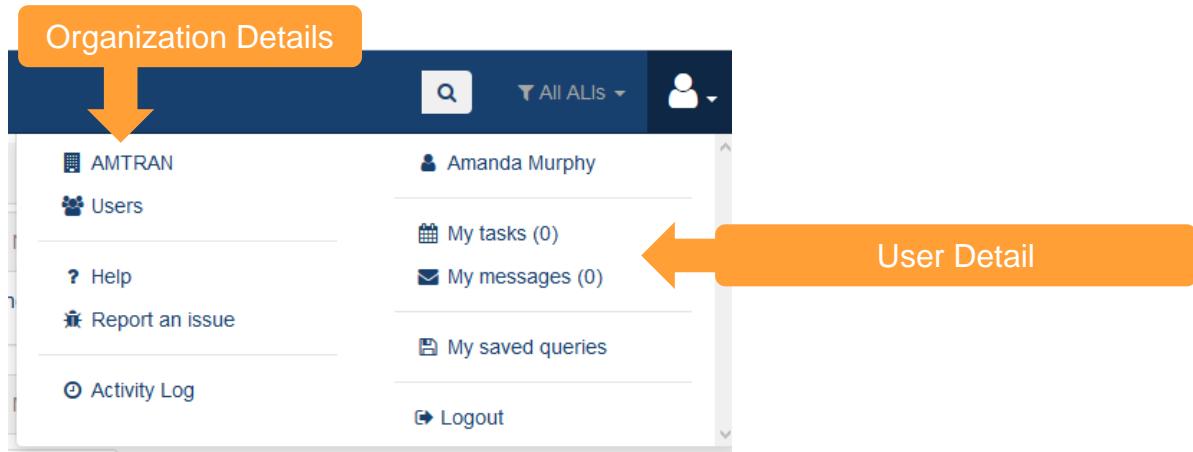
Each user has a menu with personal, organizational, and heads-up information at the top right of the screen.

**Figure 19** User Menu



From here, users can explore information about their own organization and their coworkers in the Organization and Users section.

**Figure 20** User Menu Dropdown



Clicking on your organization name, will allow you to view and edit organization-specific information, and perform certain functions such as adding users.

**Figure 21 Organization Details**

**Edit Organization Details or Add Users**

Type	Count	%
Bus Std 35 FT	21	3%
Bus 30 FT	11	1%
Bus < 30 FT	2	0%
Intermodal Terminal	3	0%
Parking Lot	2	0%
Bus Maintenance Facility	3	0%
Other Support Facility	2	0%
Van	1	0%
Sedan/Station Wagon	4	0%
Pickup Truck	2	0%

If you click your own name, you can see details about your profile and edit them. You also can assign yourself a task to complete.

**Figure 22 Profile Details**

**Edit Profile Details**

Organization AMTRAN  
Address 3301 Fifth Avenue  
Altoona, PA, 16601-1801  
Phone (999) 999-9999

You can browse this help document or submit an issue in the Help and Report an issue section. Reporting an issue is easy—just fill out the required information with as much detail as you can provide.

**Figure 23 Report an Issue**

## Report an Issue

Use this form to make comments, suggestions for enhancement, or report any issues you may be having with CPT. For example,

- Make a suggestion about how we can make CPT better
- Report a bug that you are experiencing
- Suggest future enhancements that we could make

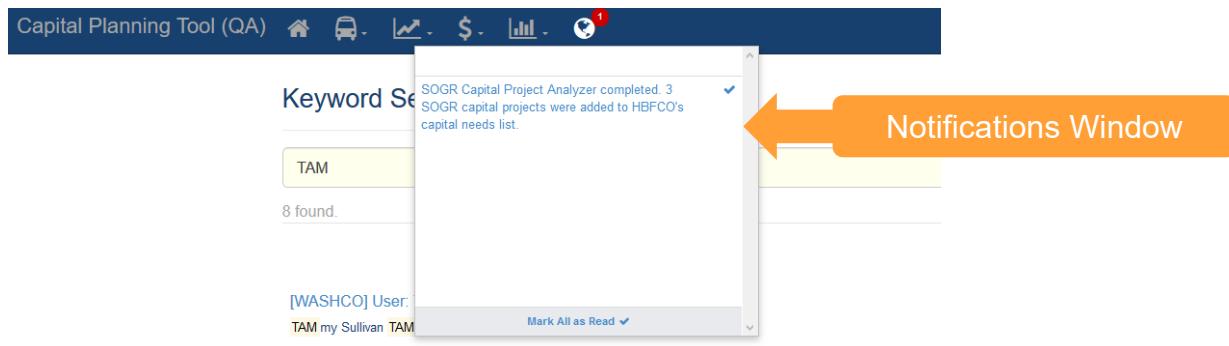
To track down and fix bugs it is helpful if we know what type of web browser you are using particularly if you are using a Microsoft browser. You can usually find this information by selecting the **About** menu item from your browser. If you don't know what browser you are using select **Unknown**.

Any information provided will be reviewed by a product manager and someone may get in touch with you to discuss your comments.

* Issue Type	* Web Browser Type
<input type="text"/>	<input type="text"/>
* Comments	
<input type="text"/> Please provide as much detail as you can...	
<input type="button" value="Create Issue"/>	

## 3.8 Notifications

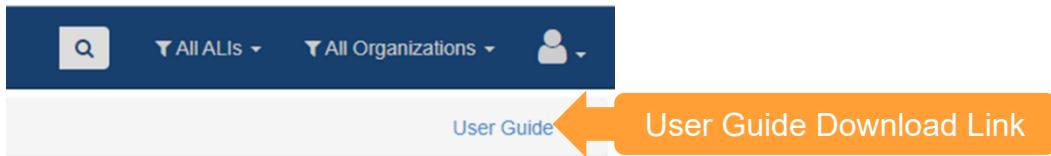
The notifications dropdown alerts you when there's activity in the system that you should be aware of. The globe at the top of the page will display a number with the count of "unread" notifications since your last check. Clicking on a notification item will take you to the change and mark the notification as read. You also can click individual checkmarks to dismiss individual notifications or "Mark All as Read" to quickly dismiss all notifications.

**Figure 24 Notification Drawer**

## 3.9 Help

At the top right of each page is a 'User Guide' link. Clicking the user guide icon will automatically download the user guide in .pdf format.

**Figure 25 User Guide**



## 4.0 Asset Inventory

Management of organization assets is carried out through the Asset Inventory dropdown menu. It contains a variety of tools and functions that streamline asset management.

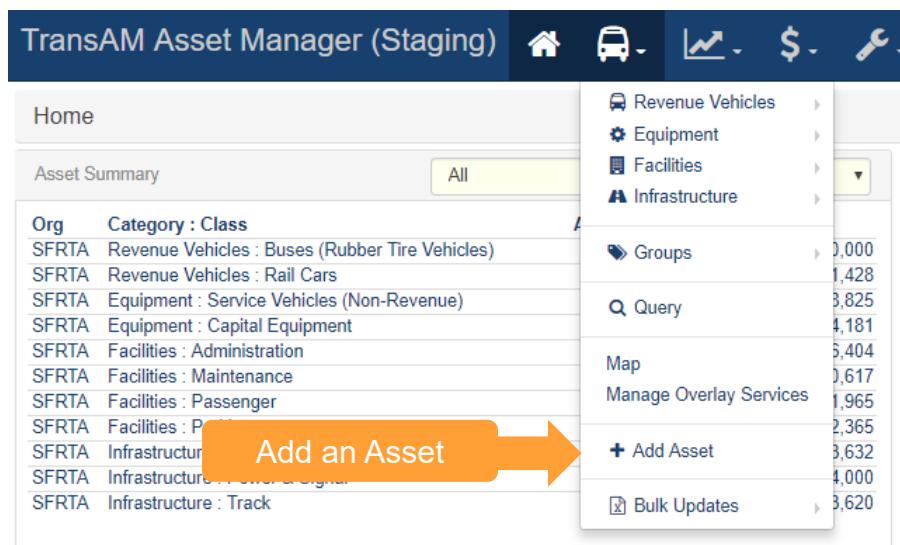
**Figure 26 Asset Inventory Dropdown**



### 4.1 Add an Asset

Adding new assets to the asset inventory is simple. First select “Add Asset” from the Asset Inventory dropdown.

**Figure 27 Adding an Asset**



Select an Organization and an Asset Class, then click “Create New Asset.”

**Figure 28 Select the Organization and Asset Class**

Capital Planning Tool (QA) Home Add Asset \$ Graph Report Help

Home > Add Asset

New Asset

\* Organization  
Select organization...

\* FTA Asset Class  
Select asset class...

Create New Asset

You'll then be directed to fill out all required fields, as depicted on the required tab, and the option of filling out any optional fields on the recommended tab.

**Figure 29 Adding Asset Required Details**

Capital Planning Tool (QA) Home Add Asset \$ Graph Report Help All Assets All Organizations ?

Home > Add Asset

Required Fields Recommended Fields

Organization  
\* Organization  
Altoona Metro Transit

Service Status  
\* Service Status

Identification & Classification  
\* Vehicle Identification Number (VIN)  
\* Asset ID  
\* Class  
Buses (Rubber Tire Vehicles)  
\* Type  
\* Subtype  
\* Estimated Service Life (ESL) Category

Characteristics  
\* Manufacturer  
Manufacturer (Other)  
\* Model  
Model (Other)  
\* Year of Manufacture  
\* Fuel Type  
Fuel Type (Other)  
Dual Fuel Type  
\* Length  
Length Units  
\* Seating Capacity (ambulatory)

*Any field on the required tab must be filled out*

**Figure 30 Add the Asset and Go To The New Record**

The screenshot shows the Capital Planning Tool (QA) interface. On the left, there's a sidebar with sections like 'Funding', 'Procurement & Purchase', and 'Operations'. On the right, there are input fields for 'Seating Capacity (ambulatory)', 'Standing Capacity', 'ADA Accessible' (with radio buttons for Yes or No), 'In Service Date', 'Primary Mode', 'Service Type (Primary Mode)', and 'Dedicated Asset' (with radio buttons for Yes or No). At the bottom left, there's a button labeled '+ Add Asset & Go to New Record'. An orange callout bubble with an arrow points to this button, containing the text 'Add Asset and Go To New Record Button'.

## 4.2 Accessing Existing Assets

Every asset is categorized by category (e.g., Revenue Vehicles, Equipment), class (e.g., Buses (Rubber Tire Vehicles, Rail Cars), type (e.g., BU-Bus, RL-Commuter Rail Locomotive), and a subtype (e.g., Bus Std 40 FT, Bus Articulated) as part of a standardized hierarchy. The asset category, class, type, and subtype relationship is the taxonomy that defines your inventory and dictates the attributes or data fields that exist for assets. The list of available category, class, and type options are standardized across the system, while subtype options and some data fields have been specifically configured for your specific system deployment.

Clicking on an asset class will drill down on the assets an organization possesses within that particular category and class.

**Figure 31 Existing Assets**

The screenshot shows the Capital Planning Tool (QA) interface. In the top navigation bar, there are icons for Home, Asset Summary, Revenue Vehicles, Equipment, Facilities, Infrastructure, Groups, Action Events, Map, Manage Overlay Services, Add Asset, Bulk Updates, and Num. Projects. A callout bubble points to the 'Revenue Vehicles' icon with the text 'Click Asset Class to access a list of assets'.

Type	Avg. Age	Due	Agency	Num. Projects
ACTS Revenue Vehicles	2.3	\$5,793	ACTS	
ACTS Support Facilities	2.0	\$7,751	AMTRAN	
ACTS Guideway	0.0	\$0	ATA	
ACTS Power & Signal	0.0	\$0	BARTA	
ACTS Track	0.0	\$0	BCT	
AMTRAN Revenue Vehicles	12.0	\$0	BCTA	
AMTRAN Stations/Stops/Terminals	11.0	\$0	BMC	
AMTRAN Support Facilities	29.4	\$0	BSS	
AMTRAN Support Vehicles	4.9	\$0	BTA	
AMTRAN Maintenance Equipment	12.9	\$0	BUTLER	
AMTRAN Facility Equipment	30.2	\$0	CARBON	
AMTRAN IT Equipment	6.6	\$54,890	CARS	
AMTRAN Office Equipment	14.1	\$112,098	CAT	
AMTRAN Communications Equipment	7.5	\$1,790,766	CATA*	
AMTRAN Signals/Signs	6.8	\$61	CCTA	
AMTRAN Guideway	0.0	\$82,918	CHESSR	
AMTRAN Power & Signal	0.0	\$0	CLARCO	
AMTRAN Track	0.0	\$0	CNTRCO	

My Tasks

Clicking on the Asset ID text within the row of an asset record, will provide detailed information about that specific asset.

**Figure 32 Existing Asset Interface**

The screenshot shows the Capital Planning Tool (QA) interface for Revenue Vehicles. The top navigation bar includes Home, Revenue Vehicles, Buses (Rubber Tire Vehicles), and other icons. The main content area displays a table of asset records with columns: Asset ID, Organization, VIN, Manufacturer, Model, Year, Class, Type, Subtype, Status, ESL, Last Life Cycle Action, and Life Cycle Action Date.

Asset ID	Organization	VIN	Manufacturer	Model	Year	Class	Type	Subtype	Status	ESL	Last Life Cycle Action	Life Cycle Action Date
#1701	CAT	15GBB2713H3189913	GIL - Gillig Corporation	35' Low Floor	2017	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	In Service		Service status	2/26/2018
#271	CAT	1FDFEAF86HDC19987	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Maintenance history	10/2/2018
#272	CAT	1FDFEAF88HDC16988	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#273	CAT	1FDFEAF8XHDC19992	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#274	CAT	1FDFEAF89HDC19990	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#275	CAT	1FDFEAF88HDC19991	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#276	CAT	1FDFEAF8XHDC19989	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#277	CAT	1FDFEAF81HDC19993	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#278	CAT	1FDFEAF83HDC19994	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#279	CAT	1FDFEAF85HDC19995	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#280	CAT	1FDFEAF87HDC19996	FRD - Ford Motor Corporation	Champion	2015	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#281	CAT	1FDFEAF89HDC19997	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#282	CAT	1FDFEAF89HDC19998	FRD - Ford Motor Corporation	Champion	2017	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	1/18/2018
#800	LCTA	15GGB311J3190014	GIL - Gillig Corporation	CNG LOW FLOOR	2018	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	No Service Status Event Recorded	-	-	-
#801	LCTA	15GGB311J3190015	GIL - Gillig Corporation	CNG LOW FLOOR	2018	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	No Service Status Event Recorded	-	-	-
*001	LCTA	1FDFEAF89HDC54954	FRD - Ford Motor Corporation	Challenger	2016	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	8/2/2018
*002	LCTA	1FDFEAF8XHDC54955	FRD - Ford Motor Corporation	Challenger	2016	Buses (Rubber Tire Vehicles)	Cutaway	Bus < 30 FT	In Service		Mileage	8/2/2018
000001501-00	PAAC	15GCB201621111850	GIL - Gillig Corporation	Phantom	2003	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	Out of Service		Mileage	3/23/2018
000001502-00	PAAC	15GCB201731111860	GIL - Gillig Corporation	Phantom	2003	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	Out of Service		Service status	3/23/2018
000001504-00	PAAC	15GCB201031111880	GIL - Gillig Corporation	Phantom	2003	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	Out of Service		Service status	3/23/2018
000001541-00	PAAC	15GCB201431111896	GIL - Gillig Corporation	Phantom	2003	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	In Service		Request early disposition	11/29/2017
000001701-00	PAAC	15GGB2715F185791	GIL - Gillig Corporation	G27B103N4	2015	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	In Service		Mileage	3/23/2018
000001702-00	PAAC	15GGB2719F185793	GIL - Gillig Corporation	G27B103N4	2015	Buses (Rubber Tire Vehicles)	Bus	Bus Std 35 FT	In Service		Mileage	3/23/2018

When you access the specific asset record, users can view the highlights section. The highlights sections contains asset summary information such as: a history log, location information, asset charts, asset value information, associated capital projects, and audit results. In addition, tasks, comments, documents, and photos can all be viewed, updated, and edited.

**Figure 33 Asset Record: Highlights**

Event	Date	Update	Notes
Condition	2/26/2018	Condition recorded as 5.0 (New/Excellent)	
Service Status Update	2/26/2018	Service status changed to In Service.	

In addition to accessing asset highlight information, users can view profile or summary data for that asset.

**Figure 34 Asset Record: Profile and Summary**

### 4.3 Editing or Updating Existing Asset Profile Data

Editing asset profile data allows users to modify core attributes that are not expected to change, but corrections may be necessary from time to time. Profile data can be modified by clicking on the edit button, editing the data, and clicking the “Save” button. Clicking the “Cancel” button will result in any changes not being saved.

**Figure 35 Editing the Profile of an Existing Asset**

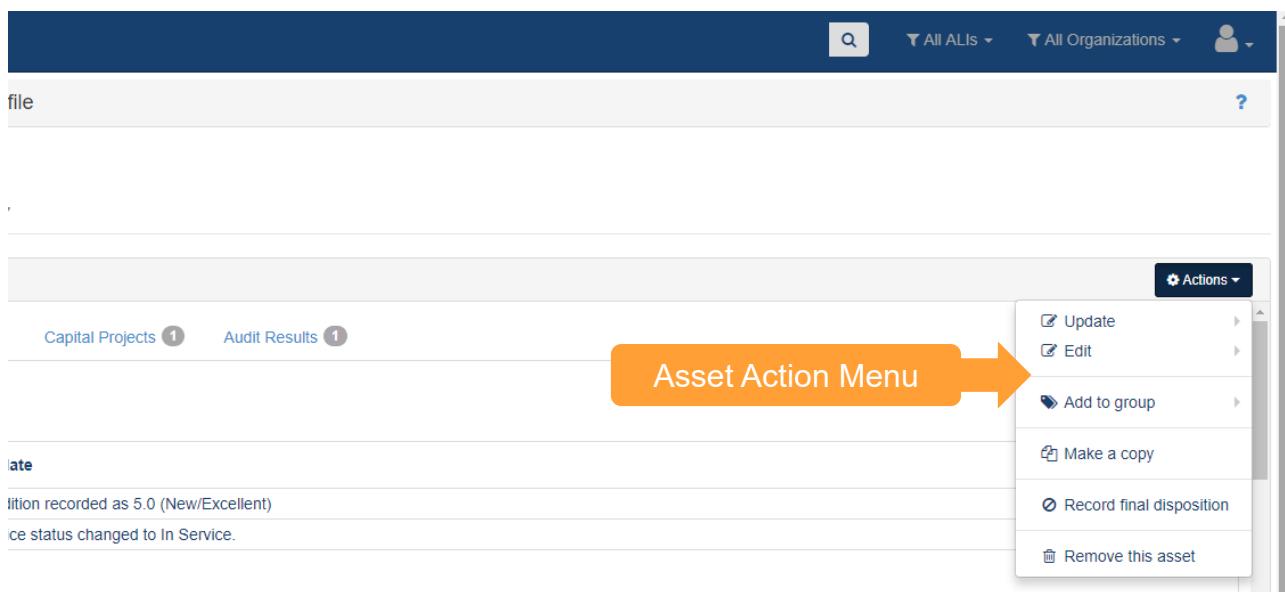
The screenshot shows the TransAM software interface. At the top, there is a navigation bar with various icons. Below the navigation bar, the main area is titled 'Profile'. Under 'Identification & Classification', there are several fields: 'Vehicle Identification Number (VIN)' (1N9MAC62GC84200), 'Asset ID' (1602), 'External ID' (351701), 'Class' (Buses (Rubber Tire Vehicles)), 'Type' (BU-Bus), 'Subtype' (Bus Std 35 FT), and 'Estimated Service Life (ESL) Category' (Heavy-Duty Small Bus). On the right side of the screen, there is a table with columns 'Update', 'Date & Time', 'Event By', and 'Notes'. The 'Update' column contains three entries: 'Condition recorded as 5.0 (New/Excellent)', 'Service status changed to In Service', and 'Mileage recorded as 59944 miles'. The 'Date & Time' column shows '08/30/2018 05:32:04 PM' for all three entries. The 'Event By' column shows '08/30/2018 05:32:04 PM' for the first two entries, and '08/30/2018 05:32:04 PM' for the third entry. The 'Notes' column is empty. An orange callout bubble with the text 'Click Edit to Alter Profile Data' points to the 'Edit' button located in the top right corner of the profile section.

## 4.4 Updating Existing Asset Lifecycle Data

Asset lifecycle-related information can be edited, updated, changed, or deleted from the action menu in the top right of the screen.

Updating an asset will allow changes to attributes that are expected over the lifecycle of an asset. Asset details such as replacement status, mileage, etc. are expected to be updated periodically. Other actions should only need to happen one time during the life of an asset, such as requesting early or final disposition of an asset.

Removing an asset will permanently delete the asset and should be used only when absolutely necessary. This may option may only be available at certain permission levels.

**Figure 36 Updating the Lifecycle of an Existing Asset**

## 4.5 Action Events (Disposition and Transfer Review)

During an asset's service life, it is possible that the asset might be sold, reprovisioned, traded in, or transferred. As a result, a special event exists to record relevant information, and review any disposition requests that may be submitted, in order to complete the disposition effort.

Action Events depend on the disposition of an asset to perform certain functions. The available functions will vary depending on individual permissions and organizational policy. Action Events occur when an asset is proposed for an early disposition or an asset is newly transferred. You can submit a request for early disposition from the action menu on an asset.

**Figure 37 Asset Action Events (Disposition and Transfer)**

The screenshot shows the Capital Planning Tool (QA) interface. In the center, there is a table titled "Capital Projects" with columns for "Agency", "Num. Projects", and "Cost". An orange arrow points to a dropdown menu labeled "Action Events" which contains options: "Early Disposition Proposed" and "Newly Transferred Assets". To the right of the table, there is a section titled "My Notices" with a message "No notices." Below the main table, there is a "Audit Summary" section with a chart titled "Annual Inventory Update Results" showing completion percentages for various asset types across different agencies.

An early disposition instance is where a vehicle fails to fulfill its expected life span. The real world is messy and sometimes mishaps such as accidents occur. Under these circumstances, the asset might require disposition before originally intended.

Record final disposition will keep a record of an asset's existence when it is no longer in service. This option will essentially archive an asset so that the history exists, but the asset is no longer considered in the pool of operational assets for an organization.

Early disposition requests can be reviewed from the Early Disposition Proposed page. Select the check box next to an asset, then the select the button to Approve or Reject a proposed early disposition.

**Figure 38 Early Disposition Requests**

The screenshot shows the Capital Planning Tool (QA) interface with a heading "Home > Early disposition proposed". Below this, there is a toolbar with buttons for "Export All", "Approve", and "Reject". An orange arrow points to the "Approve" and "Reject" buttons. Below the toolbar is a table listing early disposition requests. The columns include: a checkbox, a star icon, Agency (RTTA, BARTA, YCTA), Type (Bus Maintenance Equipment, Bus Std 35 FT, Bus < 30 FT), Asset Tag (2314, 0409, 5010), Description (BUS LIFTS-LORISER IN-GROUND HYDRAULIC LIFT, CCI Opus 34 LF, CMC Challenger), Parent (empty), Location (empty), Status (O), and Age (13, 14, 1).

## 4.6 Adding or Updating Assets by Bulk Update

Bulk updates are a faster way to create and edit asset inventories when working with large quantities of asset data. This tool allows users to update service status, condition and mileage of existing inventory, record the last maintenance performed for assets, and identify assets that are going to be reprovisioned or disposed in this planning cycle using their favorite spreadsheet software externally.

**Figure 39 Bulk Updates**

The screenshot shows the Capital Planning Tool (QA) interface. On the left, there's a sidebar with 'Home' and 'Asset Summary'. The main area displays a table of asset data with columns for Type, Avg. Age, and various financial metrics. On the right, there's a sidebar for 'Capital Projects' listing agencies like ACTS, AMTRAN, and BARTA. A callout box labeled 'Bulk Updates' points to a section in the center-right where a user can '+ Add Asset' or select 'Bulk Updates'. An orange arrow points from the 'Bulk Updates' label to this section.

Type	Avg. Age	Value
ACTS Revenue Vehicles	2.3	\$5,793
ACTS Support Facilities	2.0	\$7,751
ACTS Guideway	0.0	\$0
ACTS Power & Signal	0.0	\$0
ACTS Track	0.0	\$0
AMTRAN Revenue Vehicles	12.0	\$2,076
AMTRAN Stations/Stops/Terminals	11.0	\$0,465
AMTRAN Support Facilities	29.4	\$3,902
AMTRAN Support Vehicles	4.9	\$2,534
AMTRAN Maintenance Equipment	12.9	\$9,690
AMTRAN Facility Equipment	30.2	\$0
AMTRAN IT Equipment	6.6	\$54,890
AMTRAN Office Equipment	14.1	\$112,098
AMTRAN Communications Equipment	7.5	\$17,292
AMTRAN Signals/Signs	6.8	\$1,790,766
AMTRAN Guideway	0.0	\$775,479
AMTRAN Power & Signal	0.0	\$82,918
		\$34,504

Selecting “Bulk Updates” allows you to Create a new Template, Upload a Template, or see the status of an uploaded template. The main screen also shows previous bulk updates, their content, uploader, status, and stats about the contents of that update and the upload process.

**Figure 40 Bulk Update Tools**

The screenshot shows the 'Bulk Update Tools' page. At the top, there are buttons for 'Create a new Template' and 'Upload a Template'. An orange arrow points to the 'Create a new Template' button. Below this, a table lists previous bulk updates with columns for Agency, File Name, Content, Loaded By, Status, Num Rows Processed, and Num Rows Added. The table includes entries for PIKECO, END, and WBT.

Agency	File Name	Content	Loaded By	Status	Num Rows Processed	Num Rows Added
PIKECO	pikeco_transit_inventory_updates_file_handler_2018-04-17.xlsx	Inventory Updates	Toni Marino	Complete	30	30
END		Inventory Updates	BETHANY JONES	Complete	84	84
WBT	IT_EQUIPMENT_UPDATE.xlsx	Inventory Updates	BETHANY JONES	Complete	84	84

The first step to a bulk update is Creating a Template. Click “Create a new Template”, then select your Template Type, Organization, and Asset Class, then select “Create Template.”

**Figure 41 Bulk Update Details**

**Choose these parameters**

Select “Download File” and save the resulting spreadsheet on your computer.

**Figure 42 Bulk Update Spreadsheet Download**

**Success**

Your template has been created. Click the button below to download the file to your computer.

**Download File**

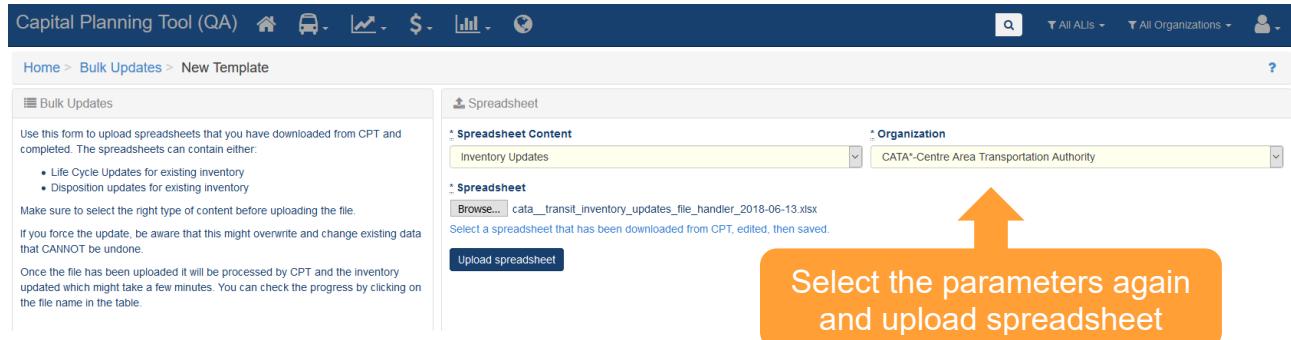
Edit the resulting spreadsheet and make sure you save your changes.

**Figure 43 Bulk Update Spreadsheet**

Asset	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Object Key	Agency	Asset ID	External ID	Class	Type	Subtype	ESL Category	Description	VIN	Current Status	Reporting Date	New Status	Reporting Date	Current Condition	Rep.
3	A2E18C2848EM	ATA	703	Buses (Rubber Tire Vehicles)	Bus	30 FT	Heavy-Duty Large Bus	NFA D30LF	SFVD2TN08YYU020684	In Service	01/23/2018			1.00	01
4	A2E18C29FDGK6	ATA	704	Buses (Rubber Tire Vehicles)	Bus	30 FT	Heavy-Duty Large Bus	NFA D30LF	SFVD2TN07DXYU020685	In Service	01/23/2018			1.00	01
5	A2E18C3G088A	ATA	705	Buses (Rubber Tire Vehicles)	Bus	30 FT	Heavy-Duty Large Bus	NFA D30LF	SFVD2TN01YYU020686	In Service	01/23/2018			1.00	01
6	A2E18C474G4	ATA	706	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090105	In Service	01/23/2018			1.00	01
7	A2E18C474MF4E	ATA	707	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090106	In Service	01/23/2018			2.00	01
8	A2E18C56SG82	ATA	708	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090107	In Service	01/23/2018			2.00	01
9	A2E18C665JDCK	ATA	709	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090108	In Service	01/23/2018			2.00	01
10	A2E18C695LBRB	ATA	710	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090109	In Service	01/23/2018			2.00	01
11	A2E18C79LH24	ATA	711	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE2919151090110	In Service	01/23/2018			2.00	01
12	A2E18C800QW38	ATA	712	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091506	In Service	01/23/2018			2.00	01
13	A2E18C817GK3	ATA	713	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091506	In Service	01/23/2018			2.00	01
14	A2E18C893ISGC	ATA	714	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091507	In Service	01/23/2018			2.00	01
15	A2E18C935FM40	ATA	715	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091508	In Service	01/23/2018			2.00	01
16	A2E18C9AA1M54	ATA	716	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091509	In Service	01/23/2018			2.00	01
17	A2E18CB0HDPC	ATA	717	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091510	In Service	01/23/2018			2.00	01
18	A2E18C9EB5MK0M	ATA	718	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091511	In Service	01/23/2018			2.00	01
19	A2E18C9G4N614	ATA	719	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271981091512	In Service	01/23/2018			2.00	01
20	A2E18C9GL0KL2	ATA	720	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091652	In Service	01/23/2018			2.00	01
21	A2E18C9GD897DK	ATA	721	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091653	In Service	01/23/2018			2.00	01
22	A2E18CE07EKK	ATA	722	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091654	In Service	01/23/2018			2.00	01
23	A2E18CEF3ECK	ATA	723	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091655	In Service	01/23/2018			2.00	01
24	A2E18CF54C00	ATA	724	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091656	In Service	01/23/2018			2.00	01
25	A2E18CFNSG4	ATA	725	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091657	In Service	01/23/2018			2.00	01
26	A2E18CGGK040	ATA	726	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091658	In Service	01/23/2018			2.00	01
27	A2E18CGG3JG	ATA	727	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091659	In Service	01/23/2018			2.00	01
28	A2E18CHBAIB0	ATA	728	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091660	In Service	01/23/2018			2.00	01
29	A2E18CHKA070	ATA	729	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091661	In Service	01/23/2018			2.00	01
30	A2E18CIA78K	ATA	730	Buses (Rubber Tire Vehicles)	Bus	< 30 FT	Heavy-Duty Large Bus	GIL Gilig 29LF	IGGE271991091662	In Service	01/23/2018			2.00	01
31	A2E18CIN06GM	ATA	750	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Phantom	IGCB29165111645	In Service	01/23/2018			2.00	01
32	A2E18CJCFK1	ATA	751	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Phantom	IGCB291851111646	In Service	01/23/2018			2.00	01
33	A2E18CK1M4N8	ATA	752	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Phantom	IGCB291X5111647	In Service	01/23/2018			2.00	01
34	A2E18CL8K4	ATA	753	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Phantom	IGCB29151111648	In Service	01/23/2018			2.00	01
35	A2E18GL8SC44	ATA	754	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Gilig 35'	IGGB27191079888	In Service	01/23/2018			2.00	01
36	A2E18GLUHAE	ATA	755	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Gilig 35'	IGGB27191079889	In Service	01/23/2018			2.00	01
37	A2E18GMNPW4	ATA	756	Buses (Rubber Tire Vehicles)	Bus	Std 35 FT	Heavy-Duty Large Bus	GIL Gilig 35'	IGGR27191A1178187	In Service	01/23/2018			2.00	01

Head back to the Bulk Updates page and at the top select “Upload a Template.” Select the parameters on the right that were used to create the template and then click browse and find your edited spreadsheet. Then click Upload spreadsheet.

**Figure 44 Bulk Update Upload**



If your file uploads successfully, the main Bulk Update screen should reappear with a “File was successfully uploaded banner” and you should see the most recent update appear at the top of the bulk update history. The system will perform the updates and a new notification will appear in your notification tray once all updates are complete.

**Figure 45 Bulk Upload Processing**

The screenshot shows the main Bulk Updates page after a file has been uploaded. A green banner at the top says 'File was successfully uploaded.' Below is a table titled 'Bulk Updates' with the following data:

Agency	File Name	Content	Loaded By	Status	Num Rows Processed	Num Rows Added	Num Rows Failed	Processing Time
CATA*	cata_transit_inventory_updates_file_handler_2018-06-13.xlsx	Inventory Updates	Elizabeth Bonini	Unprocessed				0s
PIKECO	pikeco_transit_inventory_updates_file_handler_2018-04-17.xlsx	Inventory Updates	Toni Marino	Complete	30	25	0	2s

Each row in the Bulk Update table contains additional information and options if you click that update. Use this interface to identify any issues that might have occurred during the bulk upload process. From the actions menu, you can resubmit the file for processing, download that specific spreadsheet again, revert the changes made by this update, or remove the file used to update from the list.

**Figure 46 Bulk Update Edit**

## 4.7 Query

The system has the ability to query the database of all assets for those matching specific search criteria and provides the ability for users to build, save, and share custom data exports.

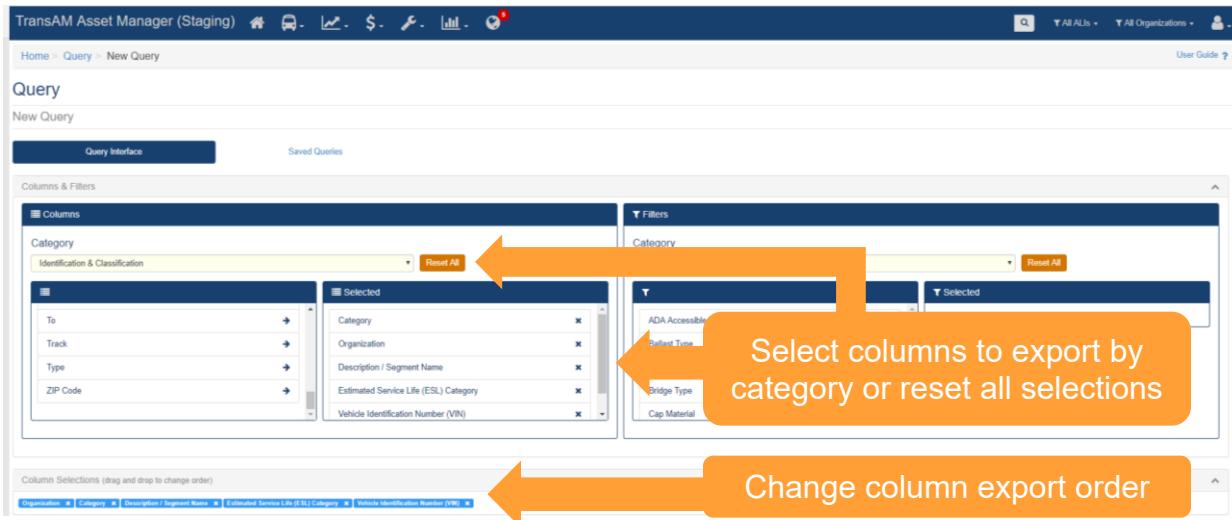
**Figure 47 Asset Query**

Name	Most Recent Login	Login Count	Account Locked
Jack Birger	03/13/2019 08:49 AM	246	✉️
Lydia Chang	12/26/2018 03:52 PM	50	✉️
Kyle Emge	09/04/2018 01:20 PM	2	✉️
Yingfei Huang	02/01/2019 09:16 AM	12	✉️
Carla McKeever	03/06/2019 12:05 PM	4	✉️
Scott Meeks			✉️
system user			✉️
Elizabeth Walter	10/29/2018 04:44 PM	4	✉️
Peng Zhu	02/01/2019 09:15 AM	26	✉️
Eric Ziering			✉️

From the Query screen, users can select each data field you want to export from a variety of attributes within the Columns panel. All data fields belong to a specific category. Select a category to refresh the data fields available for selection. Users can select each individual column that you want to add to the export, by moving fields to the Selected box by clicking on the arrow in each field and remove selected fields by clicking on the

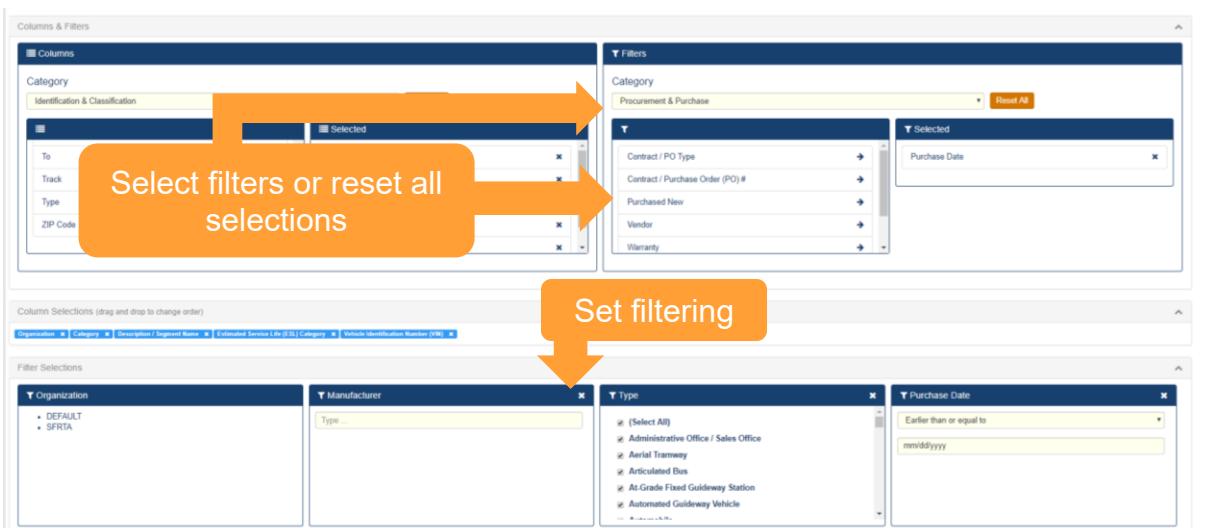
“x” of each selected field. Selected columns appear in the Column Selections panel, and the order each data field is presented in the export can be modified by utilizing drag and drop functionality. Organization and category data fields are always added as default selections, and all selections can be removed by clicking ‘Reset All’.

**Figure 48 Column Selection**



From the Query screen, you can also select what data to filter. Filtering functionality works in a similar manner as column selection. Select each individual data field that you want to filter, by moving fields to the Selected box by clicking on the arrow in each field and remove selected fields by clicking on the “x” of each selected field. Selected filters appear in the Filter Selections panel, where the user can set filtering parameters. The organization data field is always added as default selection, and is non-configurable as it is set by the sitewide organization filter.

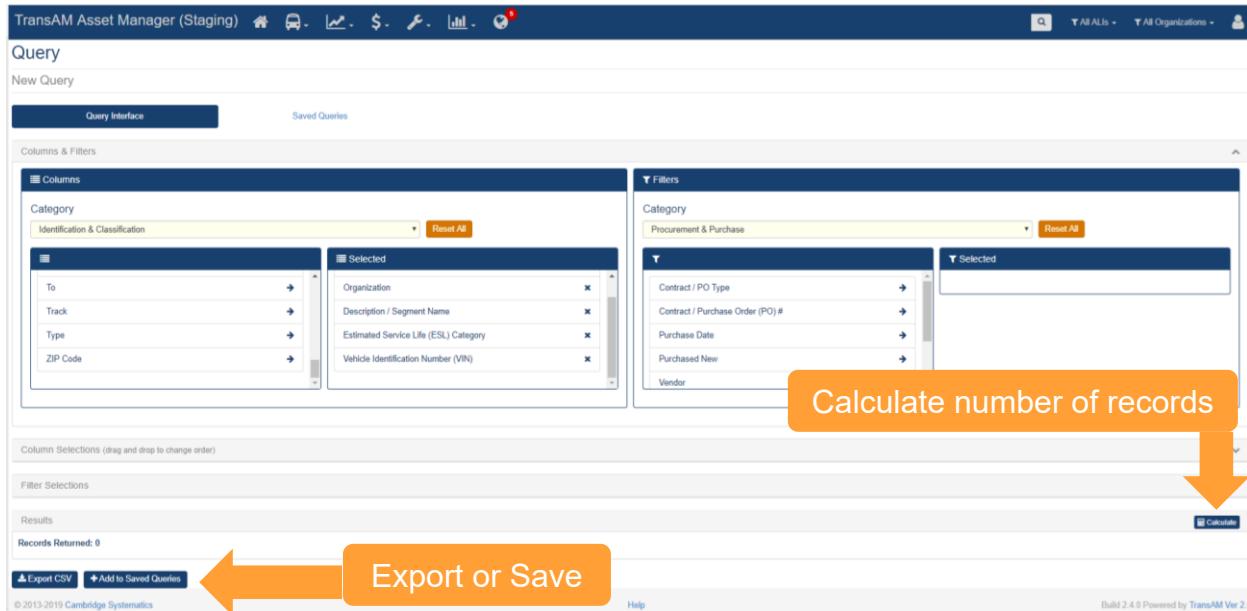
**Figure 49 Filter Selection**



Once the query is ready to be used, users can click the “Calculate” button in the results section to see how many records will be returned. Clicking the “Calculate” button is not required, but serves as a gauge to see if

the query that has been developed is returning the anticipated number of records. At this point, users can either export or save the query. If a user chooses to save a query, they will have the ability to share the query with users in associated or child organizations, so long as the user has a Manager user role.

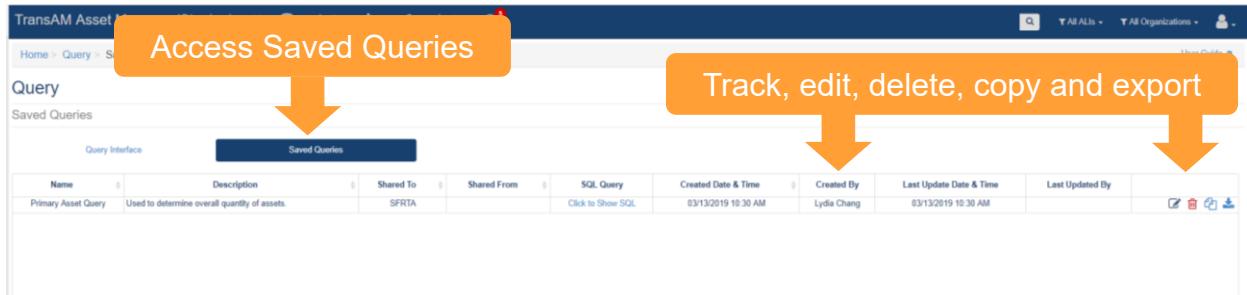
**Figure 50 Calculate, Export or Save**



Saved queries can be accessed by clicking on the Saved Queries button at the top of the screen. All queries save to the profile of the user initiating the save action. If a user has a Manager user role, the user is allowed to share the query with other users within any organization tied to the Manager. Parent organization users with a Manager role can share queries with associated child organizations as well. Shared queries can only be edited by a Manager from the “Shared From” organization. Shared queries from parent organizations cannot be deleted by child organizations, but queries shared by users within the same organization can be deleted from individual user profiles.

Additional query functionality includes the ability to export, edit, and copy queries, as well as copy the SQL statement, and monitor query history, all from within the saved queries section.

**Figure 51 Saved Queries**



## 4.8 Map

The system provides the ability to overlay asset locations on a map.

**Figure 52 Asset Map**

Capital Planning Tool (QA)

Home Asset Summary

Type	Avg. Age
ACTS Revenue Vehicles	2.3
ACTS Support Facilities	2.0
ACTS Guideway	0.0
ACTS Power & Signal	0.0
ACTS Track	0.0
AMTRAN Revenue Vehicles	12.0
AMTRAN Stations/Stops/Terminals	11.0
AMTRAN Support Facilities	29.4
AMTRAN Support Vehicles	4.9
AMTRAN Maintenance Equipment	12.9
AMTRAN Facility Equipment	30.2
AMTRAN IT Equipment	6.6
AMTRAN Office Equipment	14.1
AMTRAN Communications Equipment	7.5

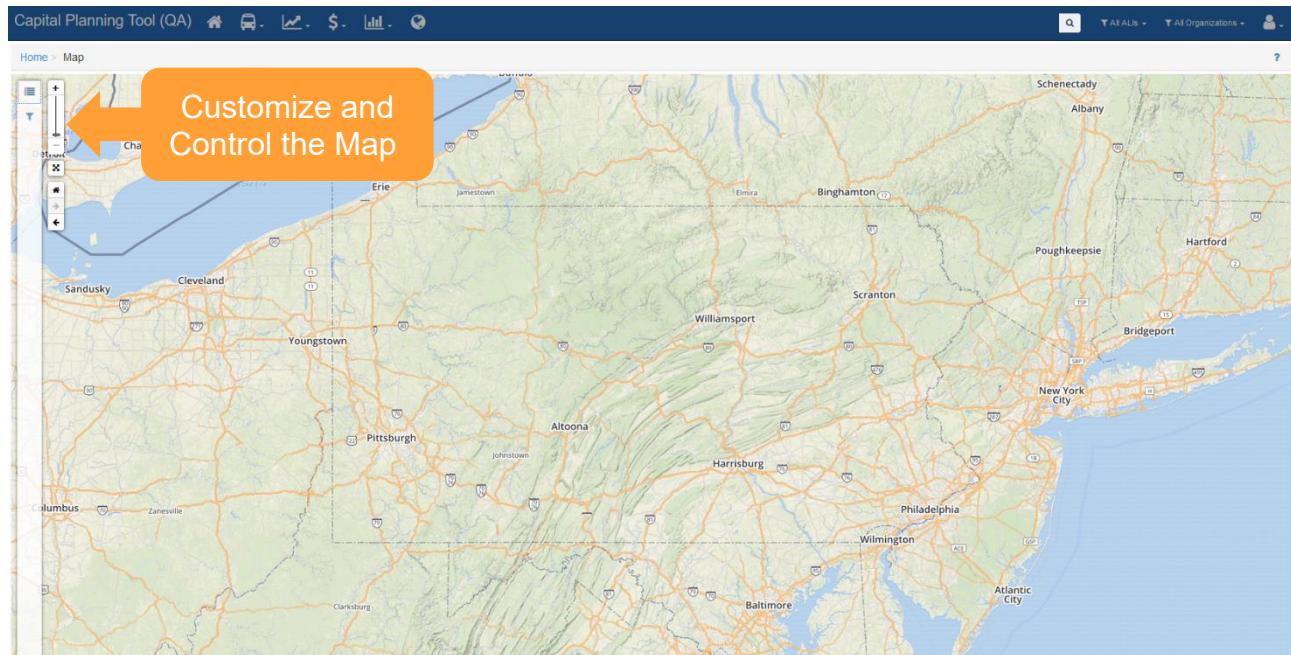
Revenue Vehicles  
Equipment  
Facilities  
Infrastructure  
Groups  
Action Events  
Map  
Manage Overlay Services  
+ Add Asset  
Bulk Updates

Capital Projects  
Agency  
ACTS  
AMTRAN  
ATA  
BARTA  
BMC  
BSS  
BTA  
BUTLER  
CARBON  
CARS  
CAT  
CATA\*

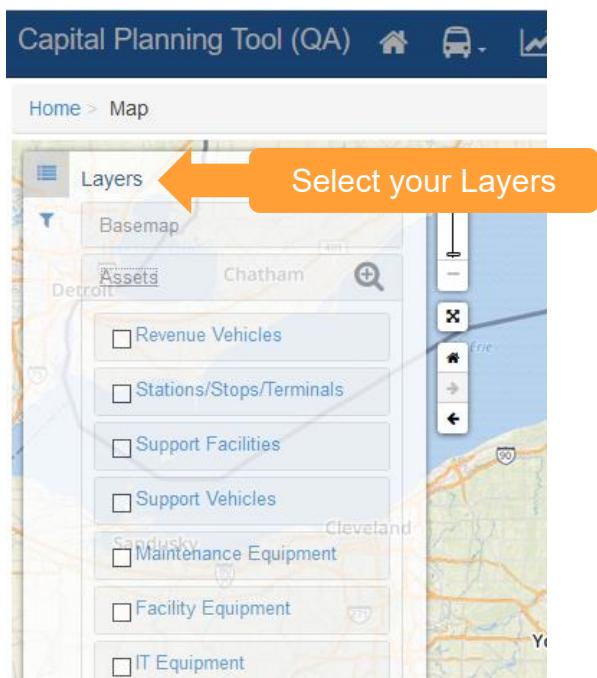
Map your Assets

The map has several key features. You can customize the map from the two icons in the bar on the left of the map.

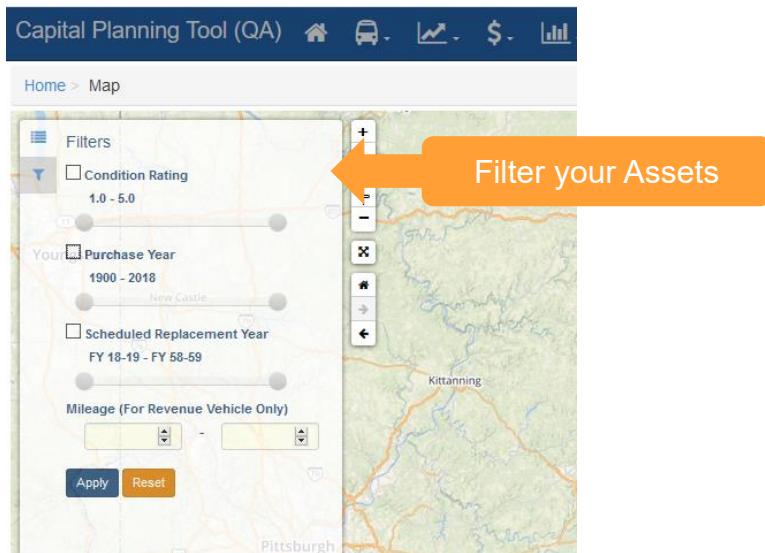
**Figure 53 Map Customization**



Clicking the top icon allows you to select which layers to display on the map. You can select a default map, the Esri streets map, the Esri Satellite map, or the Esri topographic map as your basemap. Clicking assets will allow you to specify which asset types you wish to display on the map.

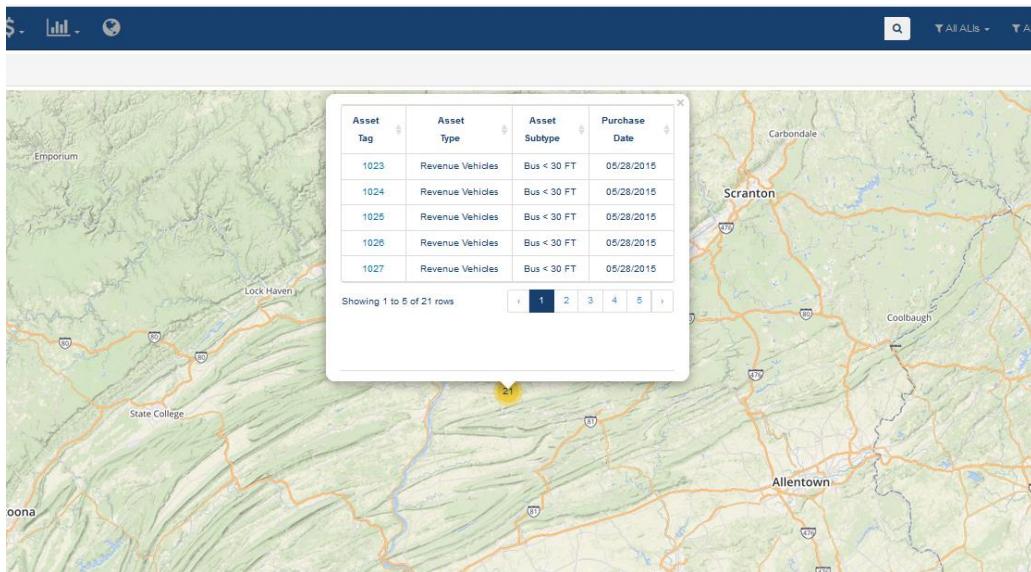
**Figure 54 Map Layers**

Clicking the filter icon will allow you to pare down the assets that are displayed on the map.

**Figure 55 Map Filter**

Once assets are displayed on the map, clicking a group of assets will provide summary information.

**Figure 56 Map Asset Details**



## 4.9 Groups

Agencies can create an on-the-fly collection of assets called groups so that they can quickly recall commonly viewed assets all at once. They can be accessed from the Asset Inventory Menu.

**Figure 57 Asset Groups**

Capital Planning Tool (QA)

Type	Avg. Age
ACTS Revenue Vehicles	2.3
ACTS Support Facilities	2.0
ACTS Guideway	0.0
ACTS Power & Signal	0.0
ACTS Track	0.0
AMTRAN Revenue Vehicles	12.0
AMTRAN Stations/Stops/Terminals	11.0
AMTRAN Support Facilities	29.4
AMTRAN Support Vehicles	4.9
AMTRAN Maintenance Equipment	12.9
AMTRAN Facility Equipment	30.2
AMTRAN IT Equipment	6.6
AMTRAN Office Equipment	14.1
AMTRAN Communications Equipment	7.5
AMTRAN Signals/Signs	6.8
AMTRAN Guideway	0.0
AMTRAN Power & Signal	0.0
AMTRAN Track	0.0

Groups

Individual assets can be added to the group from their details menu.

**Figure 58 Adding an Asset to a Group**

The screenshot shows the Capital Planning Tool (QA) interface for a Revenue Vehicle Profile. The top navigation bar includes links for Home, Revenue Vehicles, Buses (Rubber Tire Vehicles), and Buses (Rubber Tire Vehicles) Profile. The main content area displays the Revenue Vehicle Profile for asset #1701, which is a CAT 35' Low Floor bus. The profile includes sections for Asset Summary, Profile, and Identification & Classification. The Identification & Classification section shows the Vehicle Identification Number (VIN) as 15GGB2713H3189913 and the Asset ID as #1701. A large orange arrow points from the left towards the 'Actions' dropdown menu on the right. The 'Actions' menu is open, showing options like Update, Edit, Add to group, Make a copy, Record final disposition, and Remove this asset. The 'Add to group' option is highlighted with a blue background.

## 5.0 Maintenance

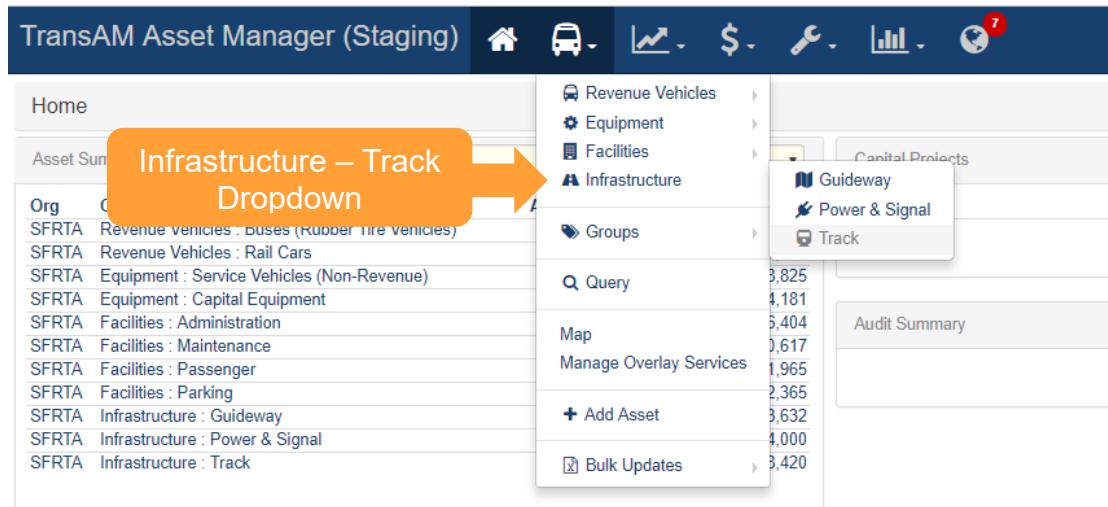
Maintenance of assets is carried out through the Maintenance dropdown menu. Currently, the Maintenance section includes the Performance Restriction feature, which only applies to Infrastructure – Track assets. Additional features will be added to the Maintenance section in the future.

### 5.1 Performance Restrictions

Organizations that have Infrastructure – Track data in the asset inventory, can utilize the Performance Restrictions feature. This feature can be used to monitor daily, track-based speed restrictions or work restrictions on individual track segments. All restrictions must be reported utilizing the same linear reference method used for the Infrastructure – Track asset data.

Performance Restrictions can be reported within an individual Infrastructure – Track asset profile, which can be accessed from the Asset Inventory dropdown

**Figure 59 Asset Inventory Dropdown : Infrastructure - Track**



Clicking on the Asset ID text within the row of an asset record, will provide detailed information about that specific asset.

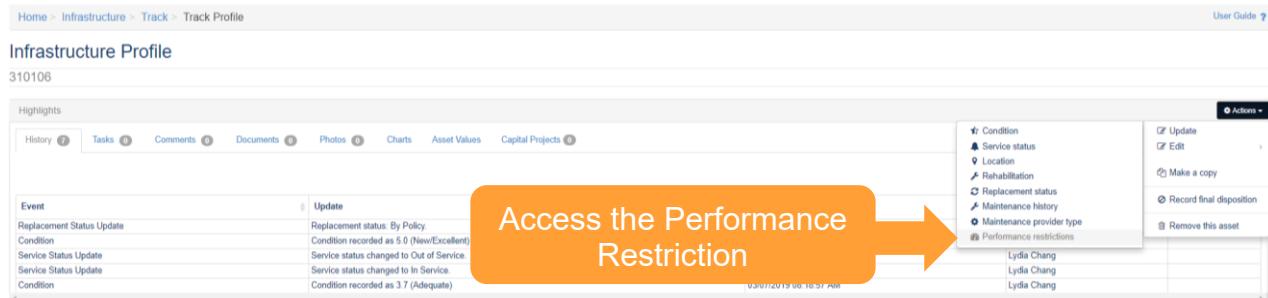
**Figure 60 Existing Asset Interface : Infrastructure - Track**

The screenshot shows a table of Infrastructure - Track records. An orange callout bubble points to the 'Asset ID' column header, with the text 'Access the Infrastructure – Track Record' inside it. The table has columns for Asset ID, Organization, Line (from), From, Line (to), To, Class, Subtype, Description, Main Line / Division, Branch / Subdivision, Track, Segment Type, Location, Last Life Cycle Action, Life Cycle Action Date, and Status. The data shows various track segments across different divisions and subdivisions, some with performance restrictions and rehabilitation notes.

Asset ID	Organization	Line (from)	From	Line (to)	To	Class	Subtype	Description	Main Line / Division	Branch / Subdivision	Track	Segment Type	Location	Last Life Cycle Action	Life Cycle Action Date	Status
310000	SFRTA								South Florida Rail Corridor	N/A	Main Line	Main Line	-	Service status	9/28/2018	In Service
310101	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Service status	9/28/2018	In Service
310102	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Service status	9/28/2018	In Service
310103	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Service status	9/28/2018	In Service
310104	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Performance restrictions	3/6/2019	In Service
310105	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Rehabilitation	3/1/2019	In Service
310106	SFRTA								South Florida Rail Corridor	N/A	2	Main Line	-	Replacement status	3/1/2019	Out of Service
310107	SFRTA	SX	973.3	SX	974.3	Track	Tangent (Straight)	N/A	South Florida Rail Corridor	N/A	2	Main Line	-	Service status	9/28/2018	In Service
310108	SFRTA	SX	974.3	SX	974.4	Track	Tangent (Straight)	N/A	South Florida Rail Corridor	N/A	2	Main Line	-	Service status	9/28/2018	In Service
310109	SFRTA	SX	974.4	SX	975.1	Track	Tangent (Straight)	N/A	South Florida Rail Corridor	N/A	2	Main Line	-	Performance restrictions	3/7/2019	In Service

Performance Restrictions can be reported from the action menu in the top right of the screen.

**Figure 61 Lifecycle Action Menu**



When accessing the Performance Restriction Lifecycle Event, data associated with the track segment auto-populates the event fields, including the maximum permissible speed, which populates the speed restriction field. As a user, you can edit the speed restriction, and set the period of the restriction. The restriction period can be set to “Until Removed”, which means the restriction will be active until a user manually closes the restriction, or the restriction can be set for a specified period of time, to include hours, days or weeks. If the restriction is set to a specified period of time using “Set Length”, the restriction will automatically closeout upon expiration of the specified time period.

Users can also adjust the linear “From” and “To” marker post values (which were auto-populated from the track record), in order to modify the length of the restriction segment. Modifying the restriction length means the track restriction can be reported for more than one segment of track, even though the event was initiated from a single record. If the “From” or “To” value is extended beyond the “From” and “To” values of the initial reporting segment, all other associated linear segments covered under the new values will appear in the “Associated Linear Asset Records” section. Users can also submit restrictions utilizing on the “From” value, for single location restrictions, such as switch points and all restrictions must have a restriction cause selected.

**Figure 62 Performance Restriction Lifecycle Event**

This screenshot shows the 'Performance restrictions' form. It includes fields for Speed Restriction (79.0 mph), Segment Unit (Track 2), and linear coordinates (From: SX 971.9, To: SX 975.3 miles). The 'Notes' panel provides instructions for reporting performance restrictions. At the bottom, a large orange callout points to the 'Update Performance Restrictions' button.

Performance restrictions		Notes	
* Speed Restriction	* Unit	* Period	Performance Restriction Events should be utilized to report any speed-based performance restrictions on a single track within the right-of-way. While reporting is initiated per individual track segment, the linear reference markers can be modified to report the restriction across a larger segment of individual track. For users creating the National Transit Database Performance Report (A-90), these performance restrictions will be used to calculate performance against your annual Infrastructure Performance Target (weather restrictions will be excluded).
79.0	mph	<input type="radio"/> Set Length <input checked="" type="radio"/> Until Removed	
* Segment Unit		Track	
<input type="radio"/> Marker Posts <input type="radio"/> Lat / Long <input type="radio"/> Chaining		2	
* Line	* From	* Line	* To
SX	971.9	SX	975.3
From (Location Name)		To (Location Name)	
<input type="text"/>		<input type="text"/>	
Associated Linear Asset Records			
310107	310108	310109	310110
* Restriction Cause			
<input type="text"/>			
* Date of Performance Restriction			
03/14/2019 07:13:32 PM			
Comments			
<input type="text"/>			
<input type="button" value="Update Performance Restrictions"/>			

Once a Performance restriction is submitted it appears in the Performance Restrictions section, along with all previously submitted restrictions, and can be managed by accessing the Maintenance Dropdown.

**Figure 63 Maintenance Dropdown**

The screenshot shows the TransAM Asset Manager (Staging) interface. At the top, there is a navigation bar with icons for Home, Assets, Reports, and Help. Below the navigation bar, a large orange arrow points from the left towards the 'Performance Restrictions' button in the top right corner of the main content area. The main content area displays three tables: 'Asset Summary' (listing various asset categories like Revenue Vehicles, Equipment, Facilities, etc., with columns for Org, Category : Class, Avg. Age, Count, and Cost), 'Capital Projects' (listing projects by Agency, Num. Projects, and Cost), and 'Audit Summary' (indicating 'No active audits found').

All restrictions in an “Active” status appear by default in the management section. Events can be filtered to “All” or “Expired” to view historical restrictions, by status. Filtering can also be achieved by searching for events that were active within a specified period of time. If a restriction is no longer active, it can be manually closed by clicking the “Closeout” button. If a restriction was closed in error, the user can filter for expired restrictions and reopen the restriction event that was closed in error. All restriction event data can be directly exported from the table.

**Figure 64 Performance Restriction Management**

The screenshot shows the 'Performance Restrictions' management table. The table has a header row with columns for Status, Active Start, Active End, and other details. The body of the table contains several rows of restriction data, each with columns for Asset / Segment ID, Org, Desc / Segment Name, Subtype, Line, From, To, Track, Max Permissible Speed, Unit, Speed Restriction, Restriction Cause, Active Start, Active End, Submitted By, Status, and Comments. Some rows have a 'Closeout' button in the Comments column. A note at the bottom left says 'Showing 1 to 7 of 7 rows'.

Status	Active Start	Active End																	
Active	2017-05-07 12:00 AM	2017-05-07 12:00 AM																	
Active	2019-03-06 09:52 AM	2019-03-12 10:26 AM																	
Active	2019-03-12 10:26 AM	2019-03-19 11:19 AM																	
Active	2019-03-12 10:26 AM	2019-03-13 02:18 PM																	
Active	2019-03-13 02:18 PM	2019-03-13 02:22 PM																	
Closeout	2019-03-13 02:22 PM	2019-03-13 02:22 PM																	



## 6.0 Policies

A Policy is a set of parameters that establishes rules related to assets saved within the system. While an organization can create and modify multiple policies, each organization can only have one current policy at a time. The policy is applied to an organization's inventory on an asset by asset basis so that policy rules are reflected on every individual asset.

**Figure 65 Policies Dropdown**

The screenshot shows the Capital Planning Tool (QA) interface. At the top, there is a navigation bar with icons for Home, Asset Summary, Policies, Capital Projects, Project Planner, and SOGR Capital Project Analyzer. A large orange arrow points from the text "Policies Dropdown" to the "Policies" icon in the navigation bar. Below the navigation bar, there are two main sections: "Asset Summary" and "Policies". The "Asset Summary" section contains a table with columns for Type, Avg. Age, and Count, listing various asset categories like ACTS Revenue Vehicles, ACTS Support Facilities, AMTRAN Revenue Vehicles, etc. The "Policies" section is a dropdown menu with options: Capital Projects, Project Planner, SOGR Capital Project Analyzer, All Audit Results, and Annual Inventory Update Results. To the right of the dropdown is a table titled "Capital Projects" showing data for different agencies: ACTS, AMTRAN, BARTA, BCT, BCTA, BMC, BSS, BTA, BUTLER, CARBON, CARS, and CAT. The table includes columns for Agency, Num. Projects, and Cost.

Clicking “Policies” in the dropdown will display the Policy options that are available. Each individual policy also can be accessed through the submenu navigation options, by hovering over the policies selection in the main navigation dropdown.

**Figure 66 Policy Rule Sets**

The screenshot shows the Capital Planning Tool (QA) interface with the "Policies" section selected. The navigation bar at the top includes icons for Home, Policies, Capital Projects, Project Planner, and SOGR Capital Project Analyzer. A large orange arrow points from the text "Policy Rule Sets" to the "Policies" icon in the navigation bar. Below the navigation bar, there are two cards: "Asset Replacement/Rehabilitation ..." and "TAM Policy". The "Asset Replacement/Rehabilitation ..." card has a sub-label "Asset Replacement/Rehabilitation Policy". The "TAM Policy" card has a sub-label "TAM Policy".

### 6.1 Asset Replacement/Rehabilitation Policy

Asset Replacement and Rehabilitation Policies can be chosen under the Policies submenu. The SOGR Capital Project Analyzer, Capital Projects, and Project Planner tools apply this policy to determine the estimated service life, replacement cost, and depreciation of an asset. Asset Replacement/Rehabilitation Policy Rules here can be set at the State or individual organization level. This type of policy set will persist from year to year, unless edited or removed.

**Figure 67 Asset Replacement/Rehabilitation Policy**

The screenshot shows the Capital Planning Tool (QA) interface. In the top navigation bar, there is a dropdown menu labeled "Policies" which is open. Inside this dropdown, under the "Asset Projects" section, the "Asset Replacement/Rehabilitation Policy" option is highlighted with an orange arrow pointing to it. A large orange callout bubble with the text "Asset Replacement/Rehabilitation Selection" is positioned over the policy dropdown. The main content area displays a table of asset summary data, and the bottom right corner has a "Audit" button.

Use the organization filter dropdown to choose the correct organization. You will then need to select the policy year that you wish to work with. Pressing the Filter Button will display the policy rules for the organization and policy year that you have chosen.

**Figure 68 Asset Replacement/Rehabilitation Policy Filters**

The screenshot shows the "Asset Replacement/Rehabilitation Policy" filters page. At the top, there is a breadcrumb trail: Home > Policies > Asset Replacement/Rehabilitation Policy > BPT Policy. Below the breadcrumb, the title "Asset Replacement/Rehabilitation Policy" is displayed. A "Filters" section contains two dropdown menus: "Organization" (set to "BPT-PennDOT Bureau of Public Transportation") and "Policy Year" (set to "FY 2017 Statewide Transit Policy (Current)"). The main content area shows policy rule details for "PennDOT Bureau of Public Transporta" with "FY 2017 Statewide Transit Policy". It includes fields for "Policy Owner", "Description", "Active status", "Condition Threshold", "Depreciation Calculation Type", and "Depreciation Interval". Below these details is a table with columns for various asset types like Support Facilities, Support Vehicles, Maintenance Equipment, etc., and rows for specific policy parameters such as "Service Life Calculation Method", "Repl. Cost Calculation Method", "Condition Rollup Calculation Method", "Annual Inflation Rate", "Pct Residual Value", and "Last Updated". Two orange arrows point upwards from the "Organization Filter" and "Policy Year" labels towards their respective dropdowns in the filters section.

Policy Rules are displayed at one of three levels: organization-wide, asset type, and asset subtype. Organization-wide policy rules can be exported, modified, distributed, copied, and created through the Actions button.

**Figure 69 Policy Rules**

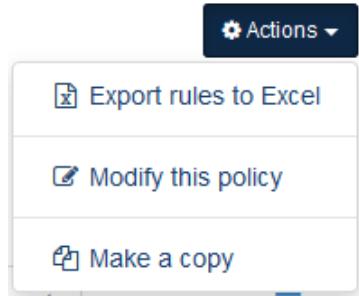
The screenshot shows the 'Policy Rules' page with the following details:

- Policy Owner:** PennDOT Bureau of Public Transportation
- Description:** FY 2017 Statewide Transit Policy
- Status:** Active
- Depreciation Calculation Type:** Straight Line
- Depreciation Interval:** Annually
- Service Life Calculation Method:** Age and Mileage
- Repl. Cost Calculation Method:** Purchase Price + Interest
- Condition Rollup Calculation Method:** Weighted Average
- Annual Inflation Rate:** 1.10
- Pct Residual Value:** 0%
- Last Updated:** 10:58 AM 02/07/2017

A large orange arrow-shaped callout points to the 'Actions' button in the top right corner.

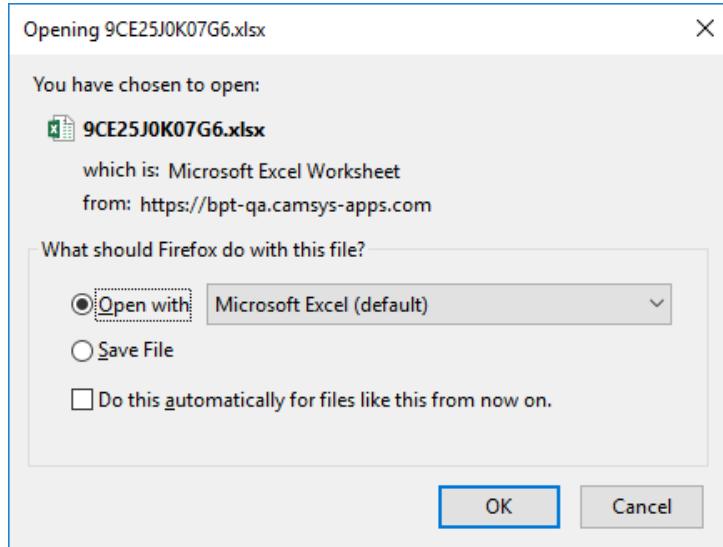
The Actions button will display a list of options as shown.

**Figure 70 Policy Rules Actions Dropdown**



Export rules to Excel opens a dialog box to save the Policy Rule as an Excel spreadsheet file.

**Figure 71 Export rules to Excel (Windows dialog box)**



Modify this Policy will open a dialog box that displays the editable fields at the organization level. When you are done making edits, click “Update Policy” button to apply changes.

**Figure 72 Modify (Update) Organization Policy Dialog**

## Update Policy

\* Description  
FY 2017 Statewide Transit Policy

\* Condition Threshold  
2.5

\* Depreciation Calculator  
Straight Line

\* Depreciation Interval  
Annually

Update Policy

Users can create new policies by copying an existing policy. Make a Copy displays the same dialog as Update Policy but once saved, a new policy is created based on the copied policy. When copying a policy, you can set the initial organization wide parameters. For example, Depreciation Calculator can be changed from “straight line” to “declining balance.” The new created Policy is named according to the Description text box shown.

**Figure 73 Copy Organization Policy Dialog**

## Update Policy

\* Description  
Copy of FY 2017 Statewide Transit Policy

\* Condition Threshold  
2.5

\* Depreciation Calculator  
Straight Line

\* Depreciation Interval  
Annually

Create Policy

Asset types are shown as a series of clickable tabs. Asset subtypes and corresponding asset type rules are listed below each Asset type.

There are a set of rules for each asset type which deal with service life calculation, replacement cost calculation type, condition rollup calculation, annual inflation rate, percent residual value, and condition rollup weight.

**Figure 74 Asset Types**

Revenue Vehicles	Stations/Stops/Terminals	Support Facilities	Support Vehicles	Maintenance Equipment	Facility Equipment	IT Equipment	Office Equipment	Communications Equipment	Last Updated	
Service Life Calculation Method		Repl. Cost Calculation Method		Condition Rollup Calculation Method		Annual Inflation Rate		Pcnt Residual Value		
Age and Mileage		Purchase Price + Interest		Weighted Average		1.10		0%	10:58 AM 02/07/2017	
<a href="#">+ Add an Asset Subtype Rule</a>										
Asset Subtype	Fuel Type	ESL (Mo)	ESL (Mi)	Repl. Cost	Cost FY	Replace New	Replace Leased	Replace With	Replace Fuel Type	ESL Used (Mo)
Bus Std 40 FT		144	500,000	\$0	FY 17-18	✓				48
Bus Std 35 FT		144	500,000	\$0	FY 17-18	✓				48
Bus 30 FT		120	350,000	\$0	FY 17-18	✓				48
Bus < 30 FT		72	150,000	\$0	FY 17-18	✓				48
Bus School		144	300,000	\$0	FY 17-18	✓				48
Bus Articulated		144	500,000	\$0	FY 17-18	✓				48
Bus Commuter/Suburban		144	500,000	\$0	FY 17-18	✓				48
Bus Intercity		144	500,000	\$0	FY 17-18	✓				48
Bus Trolley Std		144	500,000	\$0	FY 17-18	✓				48
Bus Trolley Articulated		144	500,000	\$0	FY 17-18	✓				48
Bus Double Deck		144	500,000	\$0	FY 17-18	✓				48

If there are too many asset types to fit in the tabs, you will see the dropdown icon, as depicted below.

**Figure 75 Additional Assets Dropdown Icon**



The Asset Type Rules are listed below the Asset Types.

**Figure 76 Asset Type Rules**

Revenue Vehicles	Stations/Stops/Terminals	Support Facilities	Support Vehicles	Maintenance Equipment	Facility Equipment	IT Equipment	Office Equipment	Communications Equipment	Last Updated	
Service Life Calculation Method		Repl. Cost Calculation Method		Condition Rollup Calculation Method		Annual Inflation Rate		Pcnt Residual Value		
Age and Mileage		Purchase Price + Interest		Weighted Average		1.10		0%	10:58 AM 02/07/2017	
<a href="#">+ Add an Asset Subtype Rule</a>										
Asset Subtype	Fuel Type	ESL (Mo)	ESL (Mi)	Repl. Cost	Cost FY	Replace New	Replace Leased	Replace With	Replace Fuel Type	ESL Used (Mo)
Bus Std 40 FT		144	500,000	\$0	FY 17-18	✓				48
Bus Std 35 FT		144	500,000	\$0	FY 17-18	✓				48
Bus 30 FT		120	350,000	\$0	FY 17-18	✓				48
Bus < 30 FT		72	150,000	\$0	FY 17-18	✓				48
Bus School		144	300,000	\$0	FY 17-18	✓				48
Bus Articulated		144	500,000	\$0	FY 17-18	✓				48
Bus Commuter/Suburban		144	500,000	\$0	FY 17-18	✓				48
Bus Intercity		144	500,000	\$0	FY 17-18	✓				48
Bus Trolley Std		144	500,000	\$0	FY 17-18	✓				48
Bus Trolley Articulated		144	500,000	\$0	FY 17-18	✓				48
Bus Double Deck		144	500,000	\$0	FY 17-18	✓				48

You can edit the Asset Type Rule for a specific asset, by clicking on the edit icon as depicted below.

**Figure 77 Edit Icon**



Clicking edit on an "Asset Type Rule" will display a dialog box, allowing you to modify the Asset Policy Rule.

**Figure 78 Modify Asset Policy Rule**

## Modify Rule: IT Equipment

\* Service Life Calculation Type      \* Replacement Cost Calculation Type      Condition Rollup Calculation Type  
              
\* Annual Inflation Rate      \* Pct Residual Value      \* Condition Rollup Weight  
           

The Asset Subtypes that are displayed will correspond to the Asset Type tab. The available Asset Subtype rules are the same as the Subtypes in your inventory. The estimated service life information at the Asset Subtype level describes the asset and its expected lifespan.

**Figure 79 Asset Type and Asset Subtype rules**

Asset Subtype Rules										
Service Life Calculation Method		Repl. Cost Calculation Method		Condition Rollup Calculation Method		Annual Inflation Rate		Pct Residual		Last Updated
Age and Mileage		Purchase Price + Interest		Weighted Average		1.10		0%		10:41 AM 09/10/2016
<b>Asset Subtype</b>	<b>Fuel Type</b>	<b>ESL (Mo)</b>	<b>ESL (M)</b>	<b>Repl. Cost</b>	<b>Cost FY</b>	<b>Replace New</b>	<b>Replace Leased</b>	<b>Replace With</b>	<b>Replace Fuel Type</b>	<b>ESL Used (Mo)</b>
Bus Std 35 FT	DF	144	500,000	\$0	FY 17-18	✓				48
Bus Std 35 FT	BD	144	500,000	\$0	FY 17-18	✓				48
Bus Std 35 FT	HD	144	500,000	\$0	FY 17-18	✓				48
Bus 30 FT	DF	120	350,000	\$0	FY 17-18	✓				48
Bus < 30 FT	DF	60	150,000	\$0	FY 17-18	✓				48

Clicking the Edit icon will bring up a dialog box to modify an Asset Subtype Rule.

**Figure 80 Modify Asset Subtype Rule**

Replacement

\* ESL (Mo)      \* Replacement Cost      \* Cost FY  
              
 Replace With New  
 Replace With Leased

\* ESL Used (Mo)      Lease Length Months  
     

\* Purchase Replacement Code      \* Lease Replacement Code  
     

\* Engineering Design Code      \* Construction Code      \* Rehabilitation Code  
           

You also can choose to delete an asset subtype rule when the icon is displayed. You will be prompted with a dialog box before this action is taken!

**Figure 81 Remove Asset Subtype Rule**

Are you sure you want to remove this rule? The action cannot be undone!

[Cancel](#) [Yes](#)

## 6.2 TAM Policy

TAM Policies are used to set Useful Life Benchmark (ULB), Transit Economic Requirements Model (TERM), and Performance Measure Percent targets for asset categories on an annual basis. The TAM Policy will be used to conduct performance calculations for the NTD A-90 report. Ideally, TAM Policies should be set at the beginning of an NTD Reporting year (e.g., July–June, October–September, or January–December). Organizations can be grouped by a common characteristic, and policies can be distributed through the group.

**Figure 82 TAM Policy Dropdown Menu Selection**

The screenshot shows the Capital Planning Tool (QA) interface. At the top, there is a navigation bar with icons for Home, Asset Summary, Policies, Asset Replacement/Rehab, and TAM Policy. The TAM Policy icon is highlighted with an orange arrow and a callout bubble labeled "TAM Policy Selection". Below the navigation bar, there are two main sections: "Asset Summary" and "Policies". The "Asset Summary" section displays various asset types with their average age, count, cost, and book value. The "Policies" section shows a table with columns for "Num. Projects" and "Cost", listing various transit agencies and their respective costs. An orange arrow points from the "TAM Policy Selection" callout to the "TAM Policy" icon in the top navigation bar.

Type	Avg. Age	Count	Cost	Book Value
ACTS Revenue Vehicles	3.3	23	\$1,150,393	\$1,150,393
ACTS Support Facilities	2.0	1	\$403,440	\$403,440
AMTRAN Revenue Vehicles	11.8	29	\$5,460,730	\$2,000,000
AMTRAN Stations/Stops /Terminals	10.6	5	\$58,487	\$20,462
AMTRAN Support Facilities	29.0	5	\$2,274,755	\$1,108,904
AMTRAN Support Vehicles	4.6	7	\$205,513	\$72,536
AMTRAN Maintenance Equipment	12.7	211	\$3,036,981	\$478,390
AMTRAN Facility Equipment	30.5	90	\$2,907,326	\$1,132,105
AMTRAN IT Equipment	6.2	84	\$54,756	\$20,143

	Num. Projects	Cost
BARTA	2	\$230,000
BCT	5	\$1,287,100
BCTA	11	\$2,156,774
BMC	2	\$6,387,280
BSS	3	\$1,843,909
BTA	3	\$236,000
BUTLER	1	\$97,020
CARBON	7	\$528,432
CARS	1	\$9,003,734
CAT	1	\$100,000
CATA	4	\$570,000
CATA*	1	\$134,239
CATA**	2	\$6,555,761
CATA***	0	\$0,570,000

The first step in the creation of a TAM Policy, is to Add a New Policy Year, followed by creating groups. These initial steps can only be completed on the Group Management tab, which is only accessible by users with the TAM Group Manager or Admin permission.

**Figure 83 TAM Policy Performance Measures**

TAM Policy

Group Management    Group Metrics    **Performance Measures**

**Performance Measures**

Filters

\* Policy Year: 2021    Period: July - June    \* Group Name:    \* Organization:

Performance Measures

TAM Groups for 2021 : July - June haven't been distributed yet.

To view an organizations Performance Measures, select the correct Policy Year, Group Name, and Organization and click the “View” button.

**Figure 84 Policy Year Filters**

Filters

\* Policy Year: 2018    Period: July - June    \* Group Name: New Group    \* Organization: BCTA-Beaver County Transit Authority

Performance Measures : 2018 : July - June : New Group : BCTA

Activate

You can select the Asset Category that you wish to view by selecting from the Asset Category dropdown. You can adjust each ULB, TERM value (for Facilities only) or Goal Percent (Goal Pcnt) based on your organization's need. Any Asset Class/Type that is Locked will not be editable.

**Figure 85 Asset Type Percentage Settings**

Asset Category	Group Name	Agency Status
Revenue Vehicles	New Group	Pending Activation

Revenue Vehicles

Asset Class/Type	ULB	Editable/Locked	Goal Pcnt	Editable/Locked
AO-Automobile	8	Editable	10	Editable
BU-Bus	14	Editable	20	Editable
CU-Cutaway	10	Editable	25	Editable
OR-Other	0	Locked	10	Locked
SV-Sports Utility Vehicle	8	Editable	10	Editable

Select the “Activate” button when you are satisfied with the Performance Measures shown. If all of the Editable/Locked toggles were in a state of “Locked” for every asset within each Asset Category, you do not need to Activate the Performance Measures, as they changed to an Active status upon distribution to the Performance Measures tab.

**Figure 86 Activate Performance Measures**

TAM Policy

Group Management	Group Metrics	Performance Measures																									
<p>Filters</p> <table> <tr> <td>* Policy Year 2018</td> <td>Period July - June</td> <td>* Group Name New Group</td> <td>* Organization BCTA-Beaver County Transit Authority</td> <td><a href="#">View</a></td> </tr> <tr> <td colspan="5">Performance Measures : 2018 : July - June : New Group : BCTA</td> </tr> <tr> <td>Asset Category Facilities</td> <td>Group Name New Group</td> <td>Agency Status Pending Activation</td> <td colspan="2"> <input type="button" value="Activate"/> <div style="background-color: orange; border-radius: 10px; padding: 5px; display: inline-block;">           Activate Button            </div> </td> </tr> <tr> <td>Asset Class/Type Passenger</td> <td>TERM 3</td> <td>Editable/Locked <input checked="" type="checkbox"/></td> <td>Goal Pcnt 0</td> <td><input type="button" value="Editable"/></td> </tr> <tr> <td>Parking</td> <td>3</td> <td><input checked="" type="checkbox"/></td> <td>0</td> <td><input type="button" value="Editable"/></td> </tr> </table>			* Policy Year 2018	Period July - June	* Group Name New Group	* Organization BCTA-Beaver County Transit Authority	<a href="#">View</a>	Performance Measures : 2018 : July - June : New Group : BCTA					Asset Category Facilities	Group Name New Group	Agency Status Pending Activation	<input type="button" value="Activate"/> <div style="background-color: orange; border-radius: 10px; padding: 5px; display: inline-block;">           Activate Button            </div>		Asset Class/Type Passenger	TERM 3	Editable/Locked <input checked="" type="checkbox"/>	Goal Pcnt 0	<input type="button" value="Editable"/>	Parking	3	<input checked="" type="checkbox"/>	0	<input type="button" value="Editable"/>
* Policy Year 2018	Period July - June	* Group Name New Group	* Organization BCTA-Beaver County Transit Authority	<a href="#">View</a>																							
Performance Measures : 2018 : July - June : New Group : BCTA																											
Asset Category Facilities	Group Name New Group	Agency Status Pending Activation	<input type="button" value="Activate"/> <div style="background-color: orange; border-radius: 10px; padding: 5px; display: inline-block;">           Activate Button            </div>																								
Asset Class/Type Passenger	TERM 3	Editable/Locked <input checked="" type="checkbox"/>	Goal Pcnt 0	<input type="button" value="Editable"/>																							
Parking	3	<input checked="" type="checkbox"/>	0	<input type="button" value="Editable"/>																							



## 7.0 Projects

An organization creates a capital project when they want to replace their assets or expand their inventory. Each capital project is composed of one or more building blocks, referred to as Activity Line Items (ALI), and is associated with one or more fiscal years. To frame it differently, ALIs should be considered a funding request for a project and each project can have one or more funding requests in a single year or across multiple years. A Capital Project generally falls into one of two categories:

- Projects that use the Asset Replacement/Rehabilitation policy information to replace existing assets to keep assets in a state of good repair. These are known as State of Good Repair (SOGR) projects.
- Projects that acquire new assets that enable you to provide new or expanded services or accomplish new business functions.

All projects created in the system will be listed in the Capital Projects table.

The SOGR projects will automatically be generated by running the State of Good Repair Project Analyzer, which is covered in the project planning section, so we'll quickly review how to create a new capital project manually.

**Figure 87 Capital Projects Table**

### Capital Projects

Plan Summary		Capital Needs Chart											
		FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30
\$956,840,985 \$333,276,552 \$108,838,201 \$78,408,870 \$125,370,978 \$179,853,327 \$188,491,652 \$100,343,480 \$256,308,134 \$169,519,292 \$406,353,547 \$180,491,802													
<a href="#">+ New Capital Project</a>													
Agency	FY	Project	Scope	Emgcy	SOGR	Shadow	Multi Year	Type	Title	Cost	State	Federal	Local
ACTS	18-19	ACTS 18-19 #3990	111	✓				R	Bus: Revenue Rolling Stock: Purchase - Replacement project	\$204,000	\$0	\$0	\$0
								E	Mobile Vehicle Lifts	\$26,000	\$0	\$0	\$0
								R	Bus: Support Facilities and Equipment: Acquisition project	\$139,500	\$146	\$0	\$4,647
								R	Bus: Station Stops/Terminals: Acquisition project	\$23,500	\$0	\$0	\$784
AMTRAN	FY 18-19	AMTRAN 18-19 #5680	111					I	VOH of Hybrid Electric Gilligs	\$975,000	\$0	\$0	\$32,497
AMTRAN	FY 18-19	AMTRAN 18-19 #5681	114					I	Admin Building Security Upgrades	\$25,000	\$0	\$20,000	\$167
AMTRAN	FY 18-19	AMTRAN 18-19 #5907	111					R	test	\$124,100	\$0	\$0	\$0

Clicking new capital project will bring you to the new project interface.

## Figure 88 New Capital Project

New Capital Project

\* Organization

\* Title  
Enter a title for this project...  
64 characters remaining

Project Locations  
PennDOT District 1 (District)  
PennDOT District 2 (District)  
PennDOT District 3 (District)  
PennDOT District 4 (District)

\* Fiscal Year  
FY 18-19

\* Scope

\* Project Type  
Replacement

Emergency project  
 Multi year project

\* Description  
254 characters remaining

\* Justification  
254 characters remaining

Filling in the required information will bring you to the capital projects detail screen, where you can see detailed information about a capital project and add ALIs and other details.

## Figure 89 Capital Project Details

Capital Planning Tool (QA)       1

Home > Capital Projects > AMTRAN 18-19 #6087

Capital Project AMTRAN 18-19 #6087 was successfully created.

test		Actions	Description	Activity Line Items 0	Supporting Documents 0	Comments 0
Project Number	AMTRAN 18-19 #6087		Project Description			
Fiscal Year	FY 18-19		test			
Scope	125		Justification			
Total Cost	\$0					
Type	Replace					
SOGR	No					
Shadow	No					
Multi year	No					
Emergency	No					
Project Locations Senate District 30 (Senate)						

**Edit Capital Project Details** 

**Capital Project Additional Details** 

For manually created capital projects, you can add ALIs from the capital project details screen. Click the “Activity Line Items” tab in the additional details, then click the “Add Line Item” button.

**Figure 90 Add an ALI**

The screenshot shows the Capital Planning Tool (QA) interface. At the top, there's a navigation bar with icons for Home, Projects, Reports, Budget, and Dashboards. Below it, a breadcrumb trail shows 'Home > Capital Projects > AMTRAN 18-19 #6126'. A green message box says 'Capital Project AMTRAN 18-19 #6126 was successfully created.' On the left, a 'Manual Capital Project' card displays project details: Project Number AMTRAN 18-19 #6126, Fiscal Year FY 18-19, Scope 111, and Total Cost \$0. To the right, there are tabs for Description, Activity Line Items (with a count of 0), Supporting Documents (0), and Comments (0). A large orange arrow points from the text 'From the window that appears, you can specify ALI details.' to the '+ Add Line Item' button in the 'Activity Line Items' section.

From the window that appears, you can specify ALI details.

**Figure 91 Add an ALI Details**

This screenshot shows the 'New Activity Line Item' dialog box for project 'AMTRAN 18-19 #6126'. The dialog contains several input fields: 'Category' (dropdown), 'TEAM ALI Code' (dropdown), 'Cost Estimate' (\$0), 'Fiscal Year' (FY 18-19), 'Replace with New' (radio buttons for Yes or No), 'Count' (dropdown), 'Fuel Type' (dropdown), 'Length' (dropdown), and 'Name' (text input field). At the bottom are 'Create Activity Line Item' and 'Cancel' buttons. The background shows the same Capital Planning Tool interface as Figure 90, with the 'Activity Line Items' tab selected and a message about a successful project creation.

Add the required details, then click “Add Activity Line item” to finalize. All manually created projects will automatically appear on the Project Planner.



## 8.0 Project Planning

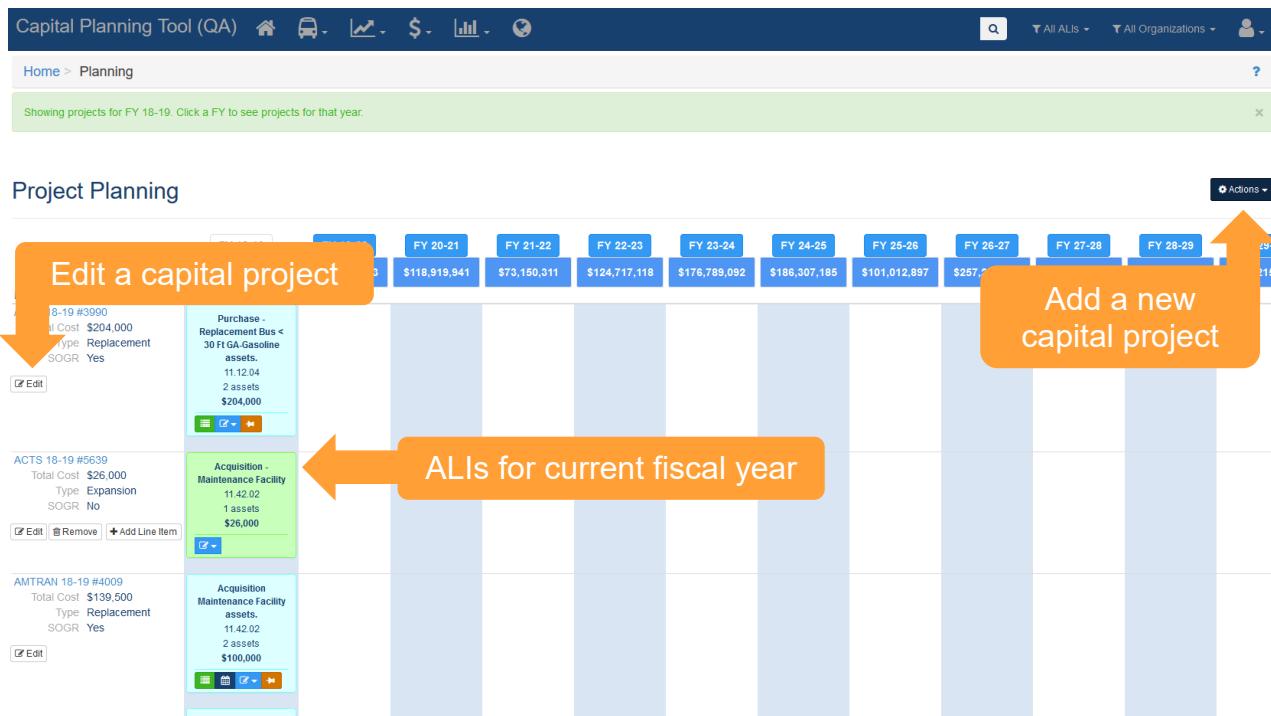
### 8.1 Project Planner

The project planner is a single interface to perform project and funding request (ALI) prioritization for a multiyear horizon, functioning as a decision support tool. The project planner allows individual organizations to manage their own projects and ALI requests, while parent organizations can view data for all associated child agencies. Users can view and edit projects and ALIs in one view and reallocate assets and ALIs as needed in an interactive table.

Different project types are identified by the color of the ALI. SOGR projects are blue in color, and manually created capital projects are green in color. Shadow projects are projects that are meant to replace an SOGR project that is listed in an earlier year within the timeframe of the project planner (e.g., scheduling replacement of assets that currently are scheduled to be replaced); these ALIs are purple in color.

Users can filter ALIs for different years by clicking at the top of each column to bring the corresponding ALIs for that year to the top of the page. Users also can add a new manual capital project directly from the project planner as well as edit existing projects by clicking on the “Edit” button on the left-hand side of the planner.

**Figure 92 Project Planner Interface**



Both projects and ALIs within projects can be modified using multiple methods.

Manually created capital projects can be removed completely and can have additional ALIs added. These actions can be completed by clicking on the “Remove” button or the Add Line Item button on the left-hand side of the planner. ALI details can be viewed or edited by clicking on the icons within each ALI that is included as part of a manually created project.

**Figure 93 Edit Manually Created Capital Projects**

Capital Planning Tool (QA) Home Planning ?

Showing projects for FY 18-19. Click a FY to see projects for that year.

**Project Planning**

	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30
<b>Project</b>	\$946,561,897	\$355,781,113	\$118,919,941	\$73,150,311	\$124,717,118	\$176,789,092	\$186,307,185	\$101,012,897	\$257,203,755	\$174,267,299	\$396,952,612	\$190,215
<b>ACTS 18-19 #3990</b>	Total Cost \$204,000 Type Replacement SOGR Yes	Purchase - Replacement Bus < 30 Ft GA-Gasoline assets. 11.12.04										
<b>ACTS 18-19 #3999</b>	Total Cost \$5,000 Type Expansion SOGR No	Acquisition - Maintenance Facility 11.42.02 1 assets \$26,000										
<b>AMTRAN 18-19 #4009</b>	Total Cost \$139,500 Type Replacement SOGR Yes	Acquisition - Maintenance Facility assets. 11.42.02 2 assets \$100,000										

**Actions**

**Remove a project or add an ALI**

**Edit ALI cost, milestones, view funding data, or remove an ALI**

SOGR projects and ALIs include buttons and icons providing users the ability to view assets associated with the SOGR projects, remove the assets from the ALI or move the associated assets to a different year, edit cost, update milestones, view funding information and pin an ALI to the project planner. Pinning an ALI allows users to rerun the SOGR Capital Project Analyzer, without altering any of the details of the pinned ALI.

**Figure 94 Edit SOGR Capital Projects**

Capital Planning Tool (QA) Home Planning ?

Showing projects for FY 18-19. Click a FY to see projects for that year.

**Project**

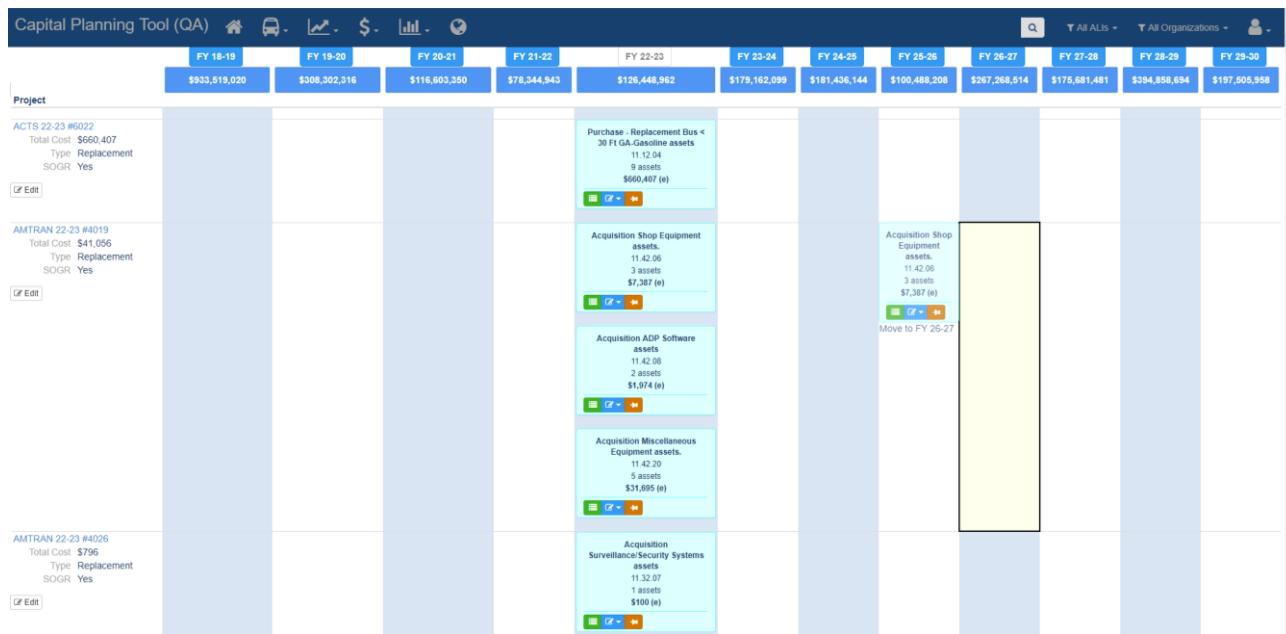
<b>ACTS 18-19 #3990</b>	Total Cost \$204,000 Type Replacement SOGR Yes	Purchase - Replacement Bus < 30 Ft GA-Gasoline assets. 11.12.04 2 assets \$204,000
<b>AMTRAN 18-19 #4009</b>	Total Cost \$139,500 Type Expansion SOGR No	Maintenance Facility 11.42.02 1 assets \$26,000
<b>AMTRAN 18-19 #4009</b>	Total Cost \$139,500 Type Replacement SOGR Yes	Acquisition - Maintenance Facility assets. 11.42.02 2 assets \$100,000

**Edit SOGR project details**

**Edit ALI assets, update cost, milestones, view funding data, remove an ALI and pin ALIs**

All projects in the project planner can be prioritized by moving ALIs to different years within the project planner, which can be achieved by using the drag and drop method. Prioritization of projects also can be achieved by removing or moving assets within an ALI to different years.

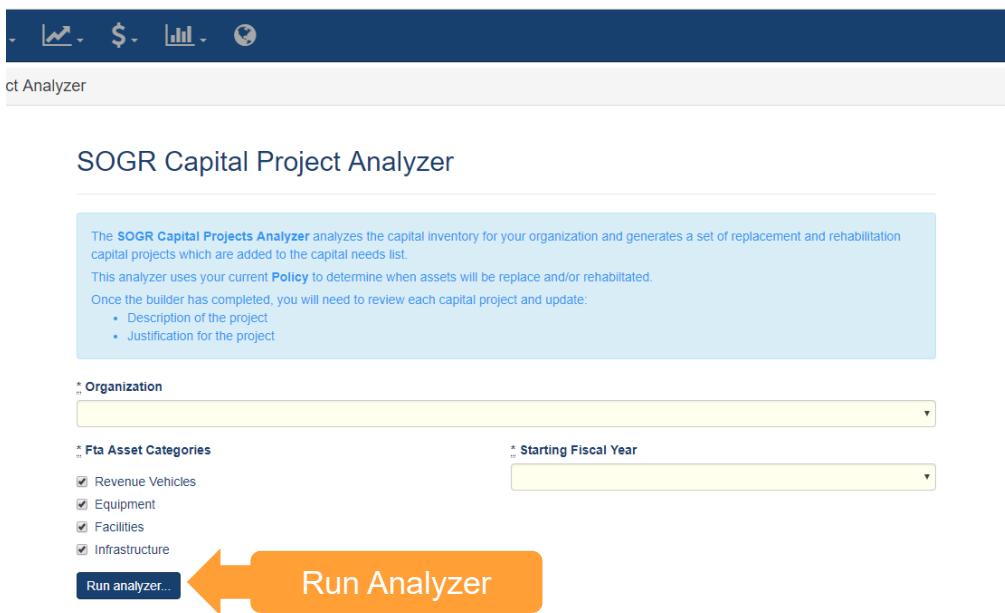
**Figure 95 Prioritize Projects**  
*Move ALIs to Different Years*



## 8.2 State of Good Repair (SOGR) Capital Project Analyzer

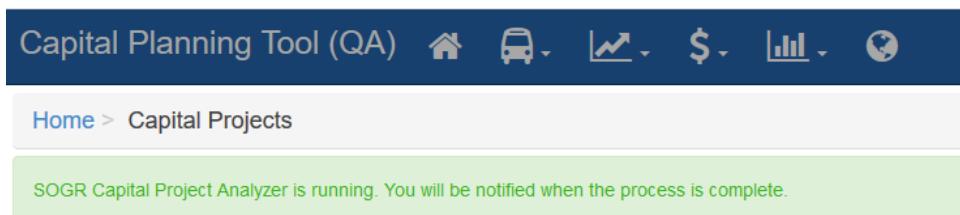
Each organization defines an Asset Replacement and Rehabilitation Policy that indicates the service life and replacement standards to be used for each type of asset. The State of Good Repair (SOGR) Capital Project Analyzer evaluates your organization's asset inventory against this policy and generates a set of replacement capital projects for a 12-year planning horizon. Before you run the analyzer, you can select which organization, what asset categories, and what year should serve as the starting year for project creation.

**Figure 96 Running SOGR Capital Project Analyzer**



Clicking “Run Analyzer” will begin the SOGR job which will run in the background and you’ll be redirected to the Capital Projects page. The system will provide a notification (in your notifications drawer at the top of the screen) when complete.

**Figure 97 SOGR Capital Project Analyzer Processing**



## 9.0 Compliance

The Audit Feature is used to organize and notify organizations of audit requests to assist with oversight of asset updates that must be conducted on a periodic basis. As an example, you may establish a rule where all assets need to have Service Status, Condition, and Mileage (where appropriate) updated every year. These rules can be setup within the Audit Feature. When the audit is run on, the system will check that each asset has had its Service Status, Condition, and Mileage (where appropriate) updated within a given date range.

Clicking “All Audit Results” or “Annual Inventory Update Results” will bring you to an overview of the audit process.

**Figure 98 Compliance Options**



From this screen you can filter and export the results of the audit to quickly find the most relevant information. Filters can be applied on the type of asset or pass/fail status.

**Figure 99 Audit Results**

Org	Audit	Asset Tag	Description	Result	Updated At	Notes
CCTA	Annual Inventory Update	Revenue Vehicles 105	GIL Low Floor	failed	03/30/2018	Service Status has not been updated during the audit period
CATA*	Annual Inventory Update	Revenue Vehicles 305	CMD Express 3500	failed	03/30/2018	Service Status has not been updated during the audit period
CTDC	Annual Inventory Update	Revenue Vehicles 306	FRD E350	failed	03/30/2018	Service Status has not been updated during the audit period
CTDC	Annual Inventory Update	Revenue Vehicles 307	FRD E350	failed	03/30/2018	Service Status has not been updated during the audit period
CTDC	Annual Inventory Update	Revenue Vehicles 401	FRD E450	failed	03/30/2018	Service Status has not been updated during the audit period
CTDC	Annual Inventory Update	Revenue Vehicles 402	FRD E450	failed	03/30/2018	Service Status has not been updated during the audit period



# 10.0 Funding

Organizations can establish and manage different types of Federal, State, and Local Programs.

## 10.1 Programs

Programs are different types of funding programs which address specific sets of needs and/or objectives. You can see available programs from the Funding dropdown. All funding programs are categorized into an appropriate Source, such as: Federal, State, and Local. New programs can be added by selecting the “Add Funding Program” link.

**Figure 100 Available Funding Programs**

The screenshot shows the Capital Planning Tool (QA) interface. On the left, there's a table titled 'Asset Summary' with columns for Type, Avg. Age, Count, and Cost. In the center, there's a 'Fund Projects' section with a table showing 'Name', 'FY 18-19', 'Num. ALIs', and 'Cost'. On the right, a dropdown menu is open under 'Programs' with categories like 'Federal', 'State', and 'Local'. At the bottom left, there's a button labeled 'Add Funding Programs'.

Clicking on an individual program will give you specific details about that program, like Templates, Buckets, Assets that were funded by the selected program, as well as other pertinent information such as documents, comments, and program details.

**Figure 101 Funding Program Details**

The screenshot shows the 'Funding Program Details' page for program \$5307. The top navigation bar includes links for Details, Templates (2), Buckets (21), Assets (827), Documents (0), and Comments (0). Below this, there's a detailed view of the program's configuration, including Type (Federal), Formula (checked), Inflation Rate (0.000%), Pct Match (80.000%), and Life of \$ (years) (5).



## 11.0 Reports

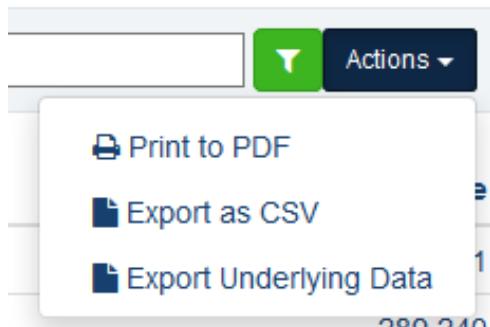
A variety of preconfigured (canned) reports can be generated, ranging in topic areas from Inventory, Capital Needs, System Reports, and Planning.

**Figure 102 Reports Dropdown**

The screenshot shows the Capital Planning Tool (QA) interface. At the top, there is a navigation bar with icons for Home, Asset Summary, and various reports. A dropdown menu labeled "Reports" is open, showing options like "Capital Needs Reports", "System Reports", and "Planning Reports". An orange arrow points from the text "Reports Dropdown" to this menu. Below the menu, there is a table titled "Asset Summary" with columns for Type, Avg. Age, Count, Cost, and Book Value. The table includes data for ACTS Revenue Vehicles, ACTS Support Facilities, and AMTRAN Revenue Vehicles. To the right of the table, there is a section titled "Num. Projects" and "Cost" with values for AMTRAN and ATA.

Reports can be exported into multiple file formats for distribution or further analysis. In the top right corner of each report, look for the Actions menu for available download links.

**Figure 103 Report Exports**

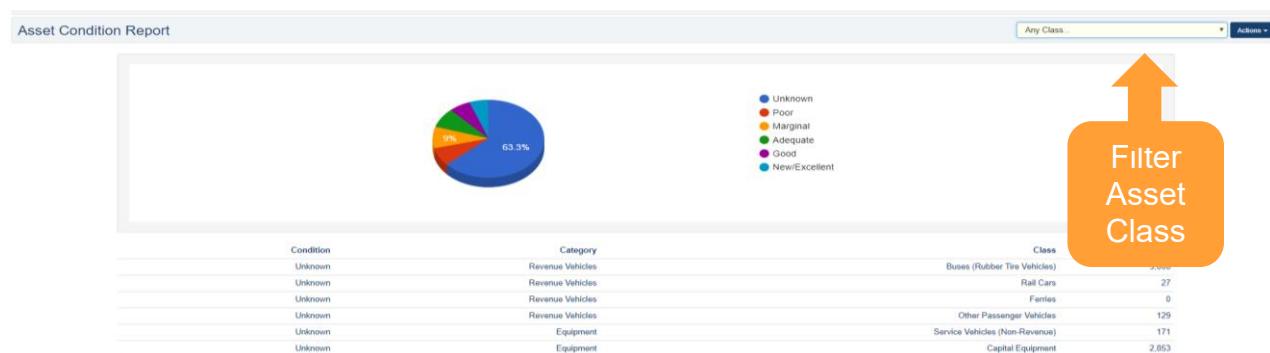


### 11.1 Inventory Reports

Inventory reports are a rollup of asset inventory data, including age, condition, and funding related calculations.

**Asset Condition Report**—The Asset Condition Report displays the count of assets of different types for a range of asset condition ratings (excellent, good, adequate, etc.). The report can filter data by Asset Class.

**Figure 104 Asset Condition Report**



**Asset Age Report**—The Asset Age Report displays the count of assets of different classes for a range of asset ages (one year old, two years old, etc.). The report can filter data by Asset Class.

**Figure 105 Asset Age Report**



The Asset Funding Source Report computes for every funding program, organization (agency), year of purchase, the number of assets that were purchased using a particular funding program as well as the cost (purchase amount) associated with that particular funding program. Drill-down functionality allows the user to see the exact lists of assets, and the dollars spent on each asset for that funding source. Multiple filtering options are available, providing the ability to filter by multiple combinations of data:

- Agency, Funding Program.
- Agency, Funding Program, Year of Purchase.
- Funding Program, Agency.
- Funding Program, Agency, Year of Purchase.
- Funding Program, Year of Purchase.
- Funding Program, Year of Purchase, Agency.
- Year of Purchase, Funding Program.
- Year of Purchase, Funding Program, Agency.

**Figure 106 Asset Funding Source Report**



## 11.2 Capital Needs Reports

Capital Needs Reports are rollups of information about different asset, projects, ALIs and funding.

The Backlog Report is a list of all system assets associated with individual organizations. The report entails summary data of assets by Subtype, including total count, average replacement cost, and total replacement cost.

**Figure 107 Backlog Report**



The Unconstrained Capital Projects Report is a collection of unconstrained capital projects associated with individual organizations. This report can be filtered by fiscal year, emergency versus nonemergency, multi or single-year, and method of creation.

**Figure 108 Unconstrained Capital Projects Report**



## 11.3 Planning Reports

Planning Reports are reports that analyze asset-based data such as state of good repair, asset status, and metrics related to service life goals and performance.

The Revenue Vehicle Replacement Report finds and displays summary data for all revenue vehicles that are scheduled to be replaced within a specified year.

## Figure 109 Revenue Vehicle Replacement Report

Revenue Vehicle Replacement Report						
				Jump to...	Fiscal Year	FY 19-20
All Transit Operators						
Fiscal Year	Category	Class	Sub Type	Count	Book Value	Replacement Cost
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Sedan/Station Wagon	19	\$220,647	\$1,032,574
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Commuter/Suburban	28	\$10,703,185	\$15,351,540
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Std 35 FT	156	\$33,434,345	\$64,564,155
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Std 40 FT	151	\$25,090,859	\$65,899,722
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus < 30 FT	404	\$22,996,202	\$117,170,310
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus 30 FT	59	\$12,696,894	\$20,638,200
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Trolley Std	2	\$485,086	\$717,256
FY 19-20	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Van	936	\$24,409,851	\$24,272,352
FY 19-20	Revenue Vehicles	Other Passenger Vehicles	Commuter Rail Car Trailer	71	\$112,539,277	\$25,462,588

The State of Good Repair Report finds and displays summary data for all asset subtypes that are scheduled to be replaced across all planning years. The report is the same as the Revenue Vehicle Replacement Report except it is not limited to revenue vehicles and rolls up values across all planning years.

## Figure 110 State of Good Repair Report

State of Good Repair Report						
				Jump to...	Actions	
State of Good Repair: All Transit Agencies						
Category	Class	Sub Type		Count	Book Value	Replacement Cost
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Articulated		11	\$6,197,520	\$8,414,445
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Std 35 FT		438	\$138,243,902	\$189,321,201
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Sedan/Station Wagon		27	\$416,191	\$1,476,958
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Commuter/Suburban		161	\$67,597,460	\$92,477,734
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Std 40 FT		623	\$208,254,531	\$265,018,765
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus < 30 FT		736	\$53,347,885	\$217,175,923
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus 30 FT		154	\$35,377,187	\$55,183,445
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Van		1,204	\$36,625,492	\$31,357,436
Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Trolley Std		31	\$8,585,473	\$12,003,406
Revenue Vehicles	Other Passenger Vehicles	Commuter Rail Car Trailer		100	\$167,850,515	\$36,271,696
Revenue Vehicles	Rail Cars	Light Rail Car		9	\$25,638,417	\$3,087,370
Revenue Vehicles	Rail Cars	Commuter Locomotive Diesel		20	\$74,188,285	\$65,980,817
Equipment	Service Vehicles (Non-Revenue)	Pickup/Utility Truck		75	\$436,717	\$2,616,326
Equipment	Service Vehicles (Non-Revenue)	Sports Utility Vehicle		65	\$693,546	\$2,303,917
Equipment	Service Vehicles (Non-Revenue)	Van		79	\$729,509	\$2,272,877
Equipment	Service Vehicles (Non-Revenue)	Sedan/Station Wagon		62	\$437,762	\$1,546,568
Equipment	Service Vehicles (Non-Revenue)	Other Support Vehicle		31	\$212,606	\$1,610,645
Equipment	Service Vehicles (Non-Revenue)	Tow Truck		2	\$0	\$344,361
Equipment	Capital Equipment	Bus Maintenance Equipment		1,033	\$7,860,493	\$11,975,400
Equipment	Capital Equipment	Other Maintenance Equipment		140	\$11,904,184	\$16,743,063
Equipment	Capital Equipment	Rail Maintenance Equipment		2	\$73,195	\$1,180,195
Equipment	Capital Equipment	Other Facilities Equipment		416	\$3,164,904	\$5,017,581

The Disposition Report finds and displays summary data for all asset subtypes that are scheduled to meet their Estimated Service Life within a particular fiscal year and are ready to be disposed.

## Figure 111 Disposition Report

Disposition Report						
				Jump to...	Fiscal Year	FY 18-19
All Transit Operators						
Fiscal Year	Category	Class	Sub Type	Count	Book Value	Replacement Cost
FY 18-19	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Commuter/Suburban	9	\$3,138,453	\$4,819,364
FY 18-19	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus Std 40 FT	1	\$265,314	\$426,977
FY 18-19	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Bus 30 FT	3	\$679,554	\$1,037,982
FY 18-19	Revenue Vehicles	Buses (Rubber Tire Vehicles)	Van	1	\$29,493	\$25,649
FY 18-19	Equipment	Capital Equipment	Other Facilities Equipment	2	\$143	\$208
FY 18-19	Equipment	Capital Equipment	Other Communications Equipment	1	\$0	\$0
Totals for FY 18-19				17	\$4,112,957	\$6,310,180

The Asset Service Life Summary Report displays all asset categories, listed by subtype, and calculates the quantity and percentage of assets that are past their Estimated Service Life in month, miles, and the quantity and percentage that have fallen below the TERM threshold as set in the Asset Replacement/Rehabilitation Policy. Data can be filtered by Asset Category, and by a minimum and maximum range in months of assets

beyond their Estimated Service Life. A drill-down of data is provided on an organization-level basis, while the table, and the underlying data used to make the calculations can be exported as well.

## Figure 112 Asset Service Life Summary Report

Organization	Subtype	Quantity	# Past ESL (Mo.)	Pcnt	# Past ESL (Mi.)	Pcnt	# Past TERM Thres	Pcnt
All (Filtered) Organizations	Bus < 30 FT	123	55	45%	29	24%		
All (Filtered) Organizations	Bus 30 FT	9	6	67%	9	100%		
All (Filtered) Organizations	Bus Commuter/Suburban	14	0	0%	0	0%		

The TAM Service Life Summary Report displays all asset categories, listed by subtype, and calculates the following:

- Revenue Vehicles and Equipment—Service Vehicles: Quantity and percentage that are past their Useful Life Benchmark in months;
- Facilities (Primary): Quantity and percentage of Facilities (Primary) that have fallen below the TERM Policy value; and
- Infrastructure—Track: Linear asset miles of Infrastructure that have Active Performance Restrictions.

The ULB, and TERM values pull from the most recent year of the TAM Policy for each organization that are either in a Pending Activation or Active status. Data can be filtered by Asset Category, and a drill-down of data is provided on an organization-level basis, while the table, and the underlying data used to make the calculations can be exported as well.

## Figure 113 TAM Service Life Summary Report

Organization	Asset Classification Code	Quantity	# At or Past ULB/TERM	Pcnt	Avg Age	Avg TERM Condition	Total Mileage
All (Filtered) Organizations	AO - Automobile	1	0	0%	12.00	1.00	301,611
All (Filtered) Organizations	BU - Bus	53	0	0%	15.70		
All (Filtered) Organizations	CU - Cutaway	123	0	0%	4.30		
All (Filtered) Organizations	MV - Mini Van	49	0	0%	9.00	2.08	212,607



## 12.0 Specialized Reports

### 12.1 Asset Fleet Builder

A fleet is a number of vehicles that share the same characteristics. Organizing vehicles into fleets is advantageous because it summarizes rolling stock inventories at a higher level.

The Asset Fleet Builder is a tool specifically designed to assist with the creation of the Revenue Vehicles (A-30), and Service Vehicles (Nonrevenue) (A-35) National Transit Database (NTD) asset reports. Both of these NTD asset forms require data be reported by fleet, and the Asset Fleet Builder provides an interface to auto-create and easily manage both Revenue Vehicle and Service Vehicle (Nonrevenue) fleets.

When building fleets for the first time, you can choose to use the Asset Fleet Builder. The builder analyzes organization inventories and automatically groups assets into fleets based on the unique fleet definitions and sorts those assets into either the Revenue Vehicles or Service Vehicles section. All assets grouped within a fleet will no longer be listed within the Orphaned Assets portion of the Manage Fleets section. When you run the builder, it will function as a background job in the system and notify you once complete in the notifications section. From there, users can review the fleets, add fleet-specific information or manually regroup assets as needed.

**You should only use the builder tool the first time you create a fleet, otherwise you will delete existing fleets.**

**Figure 114 Asset Fleet Builder**

*Note: Running the Fleet Builder will delete all existing fleet data, if previously run.*

**Fleets**

Revenue Vehicles   Support Vehicles   Manage Fleets

Orphaned Assets

Any Asset Type: [dropdown] Tag/ID/VIN/Plate: [dropdown] Any Mfr.: [dropdown] Any Model: [dropdown] Year Mfd: [dropdown] Any Subtype: [dropdown] Any Vehicle Type: [dropdown] Any Status: [dropdown]

Agency	Asset Type	Asset Tag	External ID	VIN	License Plate	Manufacturer	Model	Year Manufactured	Asset Subtype	FTA Vehicle Type	Status	Action
Loading, please wait...												

Asset Fleet Builder

The Asset Fleet Builder analyzes your organization's inventory and groups assets into fleets following parameters set by NTD reporting. If you run the asset fleet builder, you will delete all existing fleets and regroup the assets from scratch. Please note that you will lose any existing fleet data.

Once the builder has completed, you will receive a notification. Please review your fleets at that time and add fleet specific information.

**Build Revenue or Support Fleets** →

Build Revenue Vehicles Fleets  
 Build Support Vehicles Fleets

When you add a new asset to the system, the new asset will be added as an Orphaned Asset within the Manage Fleets section.

**Figure 115 Asset Fleet Builder—Orphaned Assets**

The screenshot shows the 'Fleets' section of the Capital Planning Tool (QA). At the top, there are tabs for 'Revenue Vehicles', 'Support Vehicles', and 'Manage Fleets'. The 'Manage Fleets' tab is selected. Below it, the 'Orphaned Assets' section is displayed with a table. The table has columns for Agency, Asset Type, Tag, ID, VIN, License Plate, Manufacturer, Model, Year Manufactured, Asset Subtype, FTA Vehicle Type, Status, and Action. There are four rows of data. On the right side of the table, there is a large orange button labeled 'Add Asset to Fleet'. An orange arrow points from the 'Manage Fleets' tab to the 'Orphaned Assets' section. Another orange arrow points from the 'Add Asset to Fleet' button to the 'Add Asset to Fleet' link in the modal.

Agency	Asset Type	Tag	ID	VIN	License Plate	Manufacturer	Model	Year Manufactured	Asset Subtype	FTA Vehicle Type	Status	Action
CAT	Revenue Vehicles	#1701		15GGGB2713H3188913	-	GIL-Gillig Corporation	35' Low Floor	2017	Bus Std 35 FT	BU-Bus	In Service	<a href="#">+ Add to Fleet</a>
CAT	Revenue Vehicles	#271	PT Bus #271	1FDDE4FS8HDC18987	-	FRD-Ford Motor Corporation	Champion				In Service	<a href="#">+ Add to Fleet</a>
CAT	Revenue Vehicles	#272	PT Bus #272	1FDDE4FS8HDC18988	-	FRD-Ford Motor Corporation	Champion	2017			In Service	<a href="#">+ Add to Fleet</a>
CAT	Revenue Vehicles	#273	PT Bus #273	1FDDE4FSXHDC18992	-	FRD-Ford Motor Corporation	Champion				In Service	<a href="#">+ Add to Fleet</a>

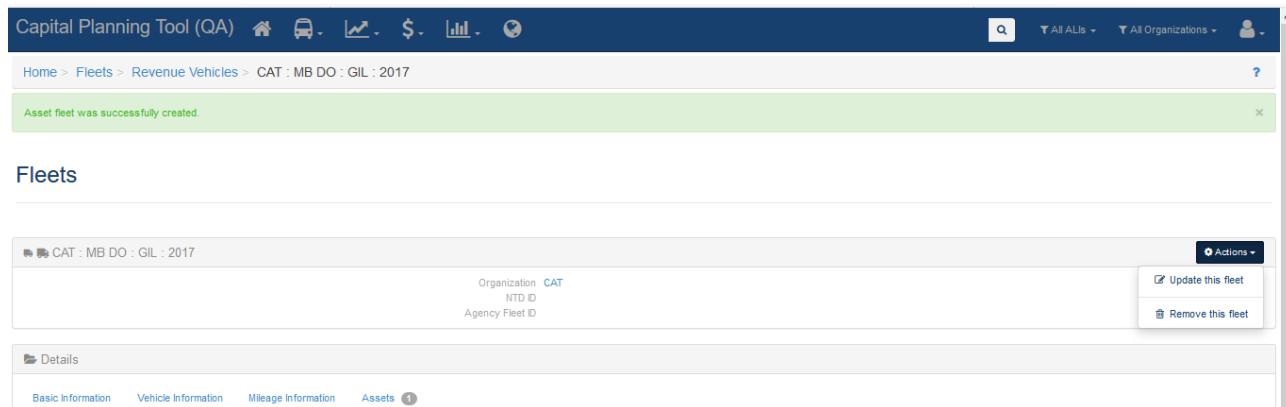
Selecting “Add to Fleet” on the right allows users to add assets to a current fleet or create a new fleet, and will limit options of existing fleets only if all shared characteristics match. Clicking “Save” will either add to an existing fleet, or create a new fleet, depending on what you choose, and allow you to specify details about that fleet.

**Figure 116 Adding an Orphaned Asset to a Fleet**

The screenshot shows the 'Orphaned Asset' modal window. It has two main sections: 'Add to Existing Fleet' and 'Create New Fleet'. The 'Add to Existing Fleet' section contains the message: 'There are no fleets in the system that match this asset'. The 'Create New Fleet' section contains the instruction: 'Click Save to create a new fleet based on this vehicle'. At the bottom of the modal are 'Save' and 'Cancel' buttons. The background of the modal shows a list of existing fleets, which are mostly 'Bus' type vehicles.

When you add the asset to a new fleet, if you wish to update fleet-specific details, look for the actions button, and click “Update this Fleet” to add details. Users also can remove the fleet completely, at which point all fleet assets will return to the Orphaned Assets portion of the Manage Fleets section. Users also can edit other fleet and asset-specific data such as NTD ID, asset odometer readings, and remove or add assets to the fleet from directly within the fleet.

**Figure 117 Adding a New Fleet**



**Figure 118 Update Asset Fleet Details**

#### Update Asset Fleet

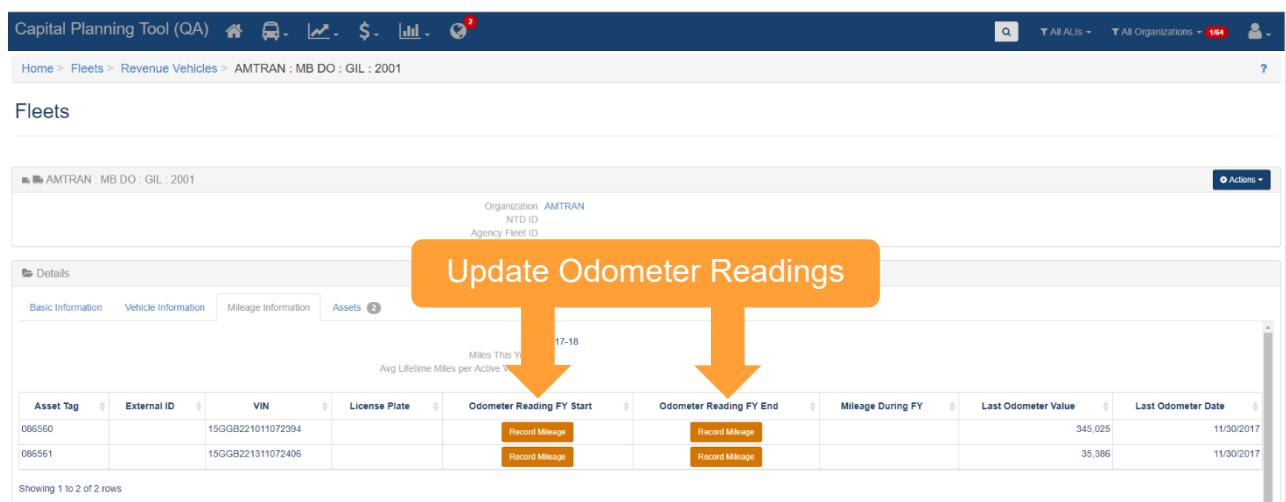
NTD ID  
0

Agency Fleet ID

NTD Notes  
Notes will appear in generated NTD report.

**Update Asset fleet** **Cancel**

**Figure 119 Update Odometer Readings**



**Figure 120 Remove or Add Assets from within a Fleet**

The screenshot shows a web-based application interface for fleet management. At the top, there's a navigation bar with links for Home, Fleets, Revenue Vehicles, and specific filters for All ALJs and All Organizations. Below the navigation is a breadcrumb trail: Home > Fleets > Revenue Vehicles > AMTRAN : MB DO : GIL : 2001. The main content area is titled 'Fleets' and displays a table of assets for the organization AMTRAN. The table includes columns for Asset Tag, External ID, VIN, License Plate, Title Number, Status, Emergency Contingency, ADA Accessibility, ULB, Mileage, Valid in Fleet, and Action. Two rows of data are shown: 086561 and 086560. An orange callout box with the text 'Add or Remove Assets' has an arrow pointing to the green plus sign icon in the 'Action' column for the second row.

Asset Tag	External ID	VIN	License Plate	Title Number	Status	Emergency Contingency	ADA Accessibility	ULB	Mileage	Valid in Fleet	Action
086561	15GGB221311072406				In Service	No	No		35386	Yes	
086560	15GGB221011072394				In Service	No	No		345026	Yes	

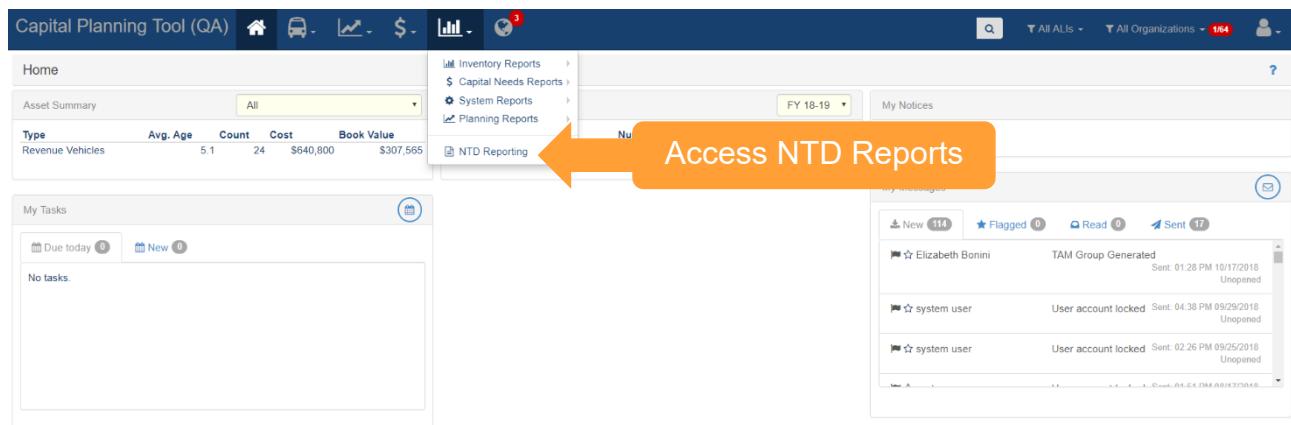
## 12.2 NTD Asset Reports

The NTD Asset Reports are forms that must be submitted on an annual basis for every organization that receives Federal public transit funding. Required forms differ between organization, based on the category of assets in operation for each organization. The specific forms are as follows:

- Facilities (A-15) — Pulls asset data for primary facilities.
- Infrastructure (A-20) — Pulls asset data for infrastructure assets, and produces a separate report for each Primary Mode/Type of Service unique combination.
- Revenue Vehicles (A-30) — Pulls asset data for revenue vehicles, which are included as part of a fleet.
- Service Vehicles (Non-revenue) (A-35) — Pulls asset data for Service Vehicle (Non-Revenue), which are included as part of a fleet.
- Performance Measure Targets (A-90) — Pulls ULB, TERM value, and goal percentages for the TAM Policy associated with the corresponding NTD Report year, and calculates performance.

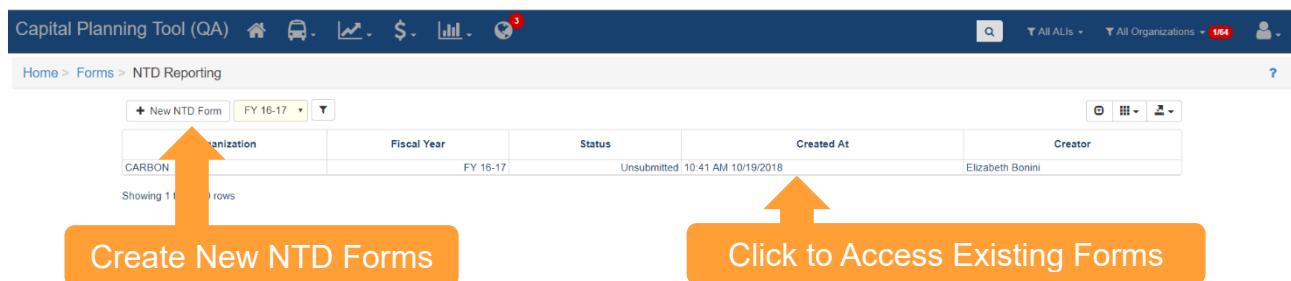
Each report pulls and calculates data according to the reporting year selected, and the activities associated with the system reporting period, i.e., July—June, October—September, or January—December.

**Figure 121 Access NTD Reports**



Any NTD reports that have been previously generated can be viewed on the initial report table available when clicking on the NTD Reports module. Existing report data can be accessed by clicking on the row for an individual organization upon which point it can be downloaded, submitted for review, have comments added, updated, or removed. New reports can be generated by clicking on the New NTD Form button.

**Figure 122 Table of Previously Generated NTD Reports**



When you click on the “New NTD Form” button, you will be prompted to select an organization, reporting year, and enter other user-specific information. Upon clicking “Save NTD Form”, you will be directed to the newly created NTD Details and Data page.

**Figure 123 Create New Reporting Year Forms**

New NTD Report

**Organization**  
BUTLER-Butler County Community Public Transportation

**Fiscal Year**  
FY 2016 - 2017

**Agency Information**

Reporter Name  
Elizabeth Bonini

Reporter Title

Reporter Department

Reporter Email  
ebonini@pa.gov

Reporter Phone  
9999999999

Reporter Phone Ext

Save NTD Form

Click Save NTD Form Button

**Figure 124 NTD Report Details and Data**

CARBON FY 16-17

Organization: CARBON  
Year: FY 16-17  
Status: Unsubmitted  
Last Updated: 10:41 AM

Actions

submit this form  
New version  
Remove this form

Reporter Name: Elizabeth Bonini  
Reporter Title  
Reporter Department  
Reporter Email: ebonini@pa.gov  
Reporter Phone: (999) 999-9999

Details

Versions History

Date	Creator	Download	Comments	Process Log
10:41 AM 10/19/2018	Elizabeth Bonini	Unsubmitted		

Submit, Create a New Version, or Remove

Access Forms or Add a Comment

When you click on the Download icon, the already generated forms appear and can be downloaded by clicking on the form-specific button. Excel file downloads will initiate upon clicking each form-specific button.

**Figure 125 Download each NTD Form**

Success

Click the button below to download the file to your computer.

Download A-15

Download A-20

Download A-30

Download A-35