



# VERSION 1.7 UPDATE

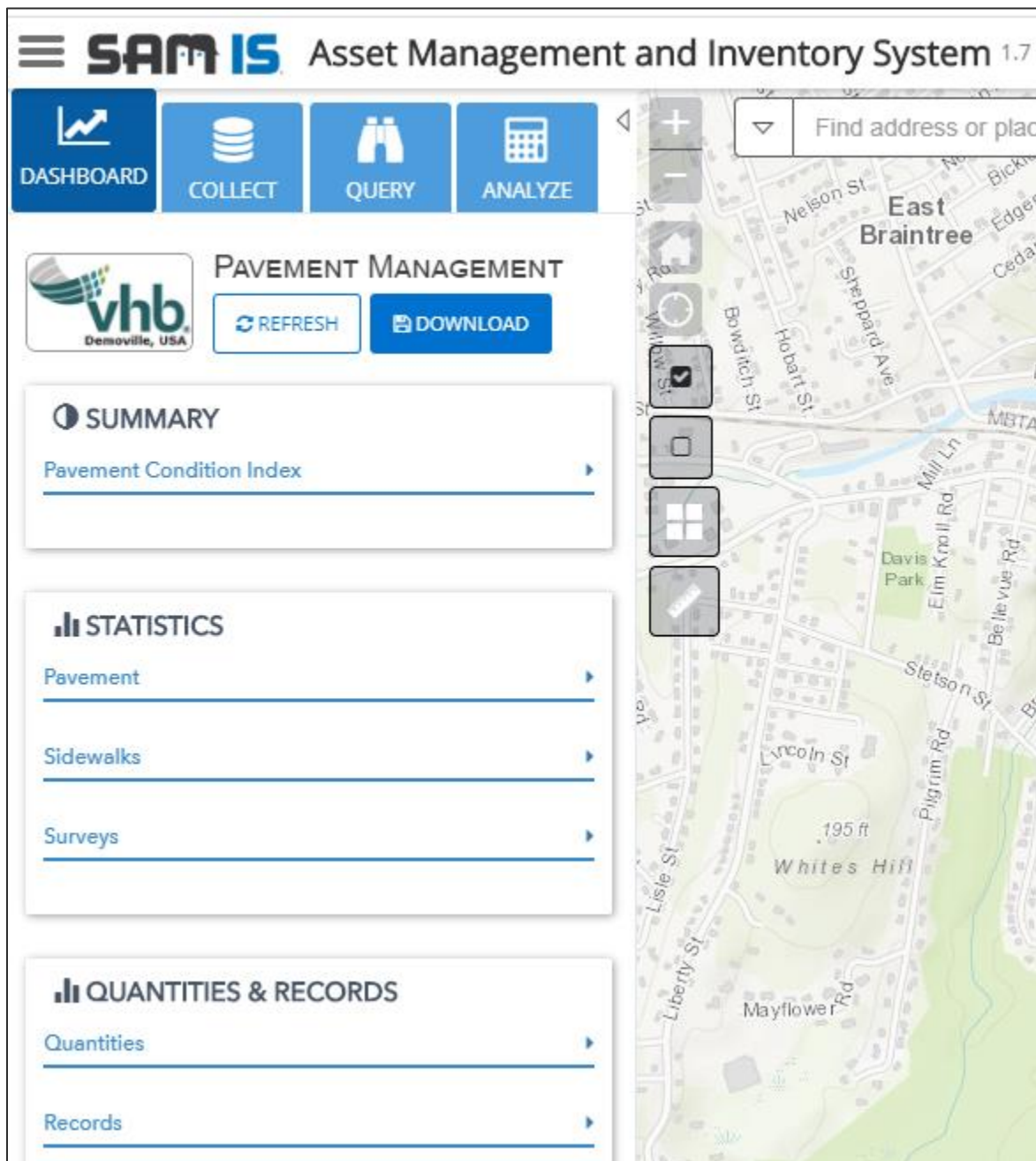
MARCH 2020

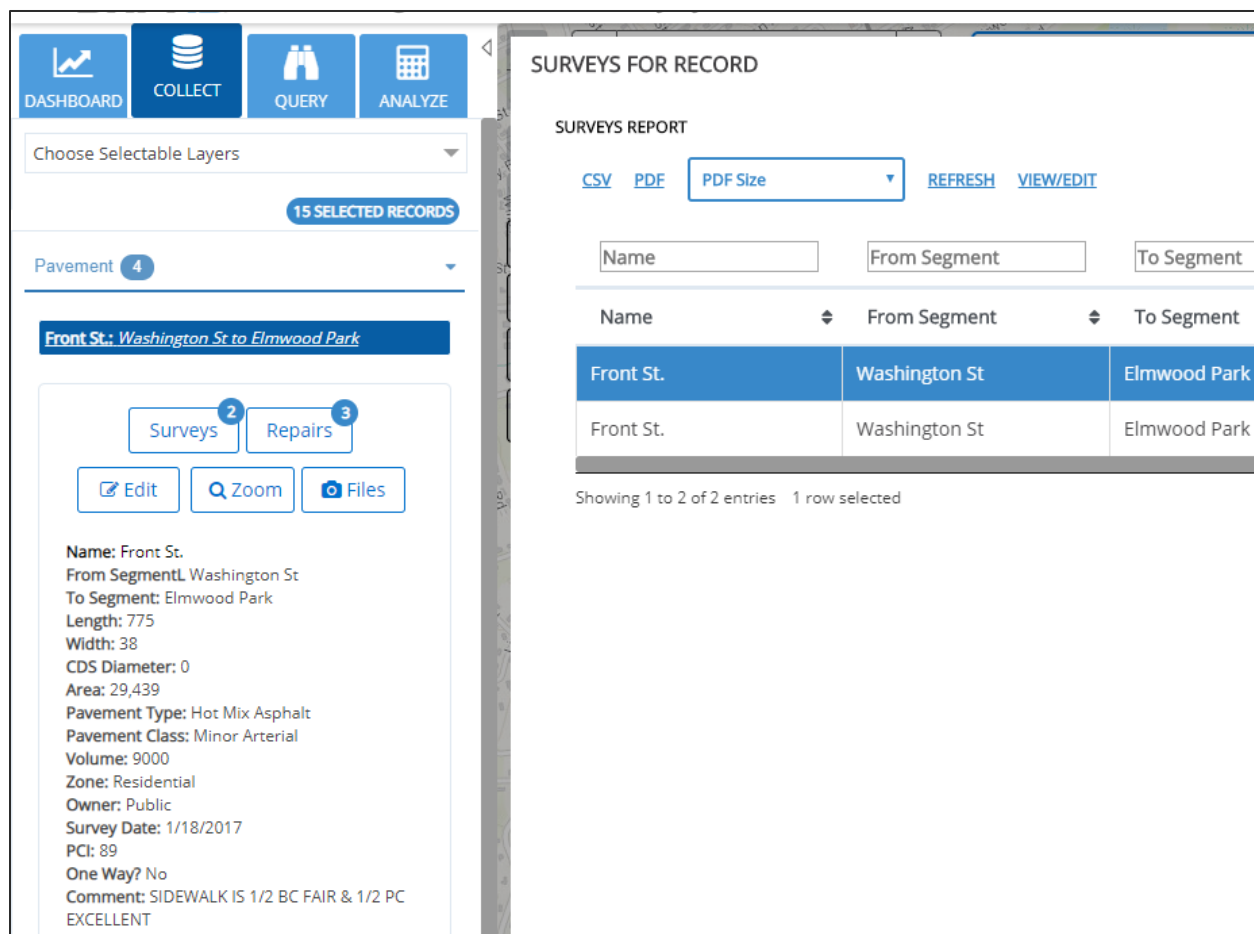
## WHAT'S NEW IN VERSION 1.7?

- [Application Theme and Style Updates](#)
- [Photo Attachment Viewer Updates](#)
- [Bookmark Widget](#)
- [Updated Filter Functionality for Surveys and Repair tables](#)
- [Export Options Enhancement](#)
- [Printing Options Enhancements](#)
- [Pavement Module: Roadbotics Enhancements](#)
- [Culvert and Bridge Module Updates](#)
- [Signs Module Updates](#)
- [Framework and Stability Updates](#)

## APPLICATION THEME AND STYLE UPDATE

This release includes a major update of the style of the SAM IS platform. An emphasis has been placed on providing a clean and streamlined interface to the user. You will find styling updates throughout the application from the collapsed dashboard panel groups to the main application windows, as shown below.





## IMAGE ATTACHMENT VIEWER ENHANCEMENTS

If you have images for any of your assets or any historic records in your inventory, files can now be directly accessed through SAM IS. In the Inspection/Survey and Repair report windows, a preview of the attached image will be presented. Once clicked, the image will open directly into a viewer where it can be viewed in full resolution, rotated, and downloaded, providing the user with more information and clarity about the asset.

DASHBOARD

COLLECT

QUERY

Choose Selectable Layers

11 SELECTED RECORDS

WORKFORCE

Collect - Drain Manhole 1

Collect - Storm Inlets 10

Storm Inlets: cb207

Inspections

Maintenance

Edit

Zoom

Files

Latest Inlet Inspection: 1/1/2018  
Condition:  
Date of last maintenance: None  
Latest IDDE Inspection: None  
IDDE Class: None

INLETS INSPECTIONS FOR RECORD

SURVEYS REPORT

CSV

PDF

PDF Size

REFRESH

VIEW/EDIT

NEW

FACILITYID

INSPDATE

INSPECTOR


FACILITYID

INSPDATE

INSPECTOR

cb207	3/10/2020	SBTEST	no
cb207	3/10/2020	SBTEST	no

Showing 1 to 2 of 2 entries 1 row selected



636783208897330000.jpg

DASHBOARD

COLLECT

QUERY

ANALYZE

Choose Selectable Layers

1 SELECTED RECORD

Edit

Batch Edit

New Repair

New Survey

Save Set

Keith St: Richmond St to Summit St

Surveys 2

Repairs 4

Edit

Zoom

Files 1


Name: Keith St  
From Segment: L Richmond St  
To Segment: Summit St  
Length: 1,457  
Width: 22  
CDS Diameter: 0  
Area: 32,061  
Pavement Type: Hot Mix Asphalt  
Pavement Class: Local- Thru Street  
Volume: 120  
Zone: Residential  
Owner: 1  
Survey Date: 1/27/2017  
PCI: 60  
One Way? 0  
Comment:  
Include In Scenarios When Filtered? 0

ATTACHMENTS WINDOW

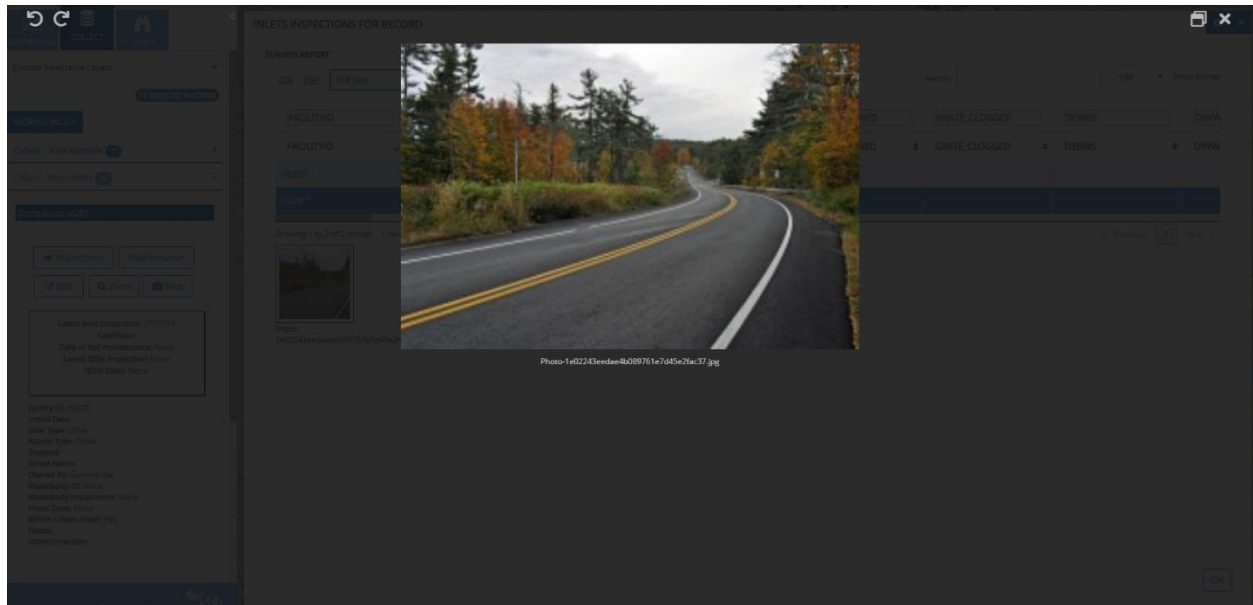
ATTACHMENTS

INFORMATION

Use the Edit tool to attach documents to this record.

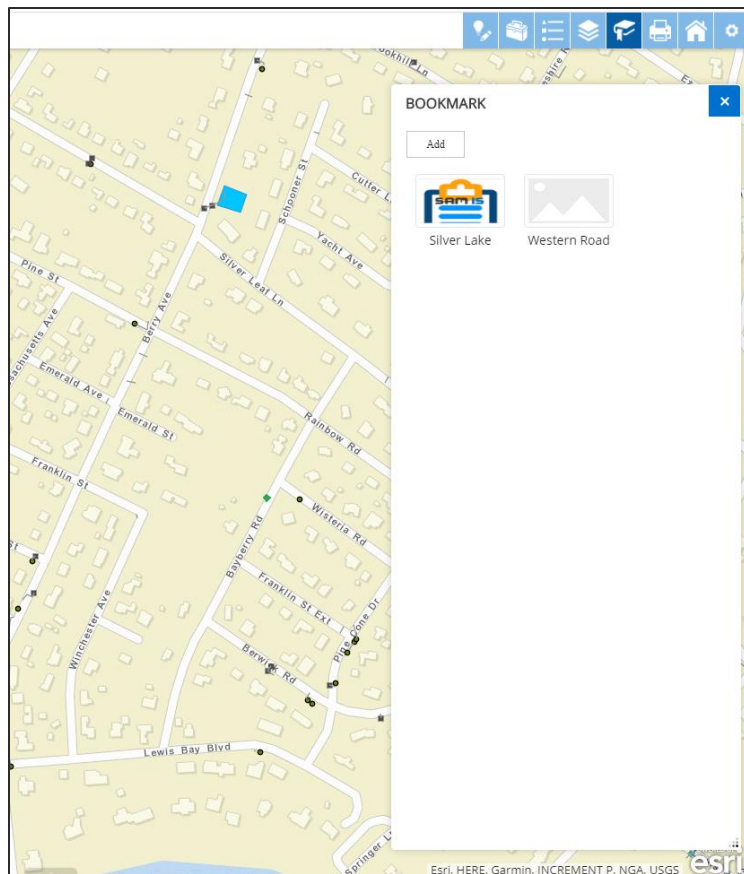


11147\_00\_N17\_small.jpg



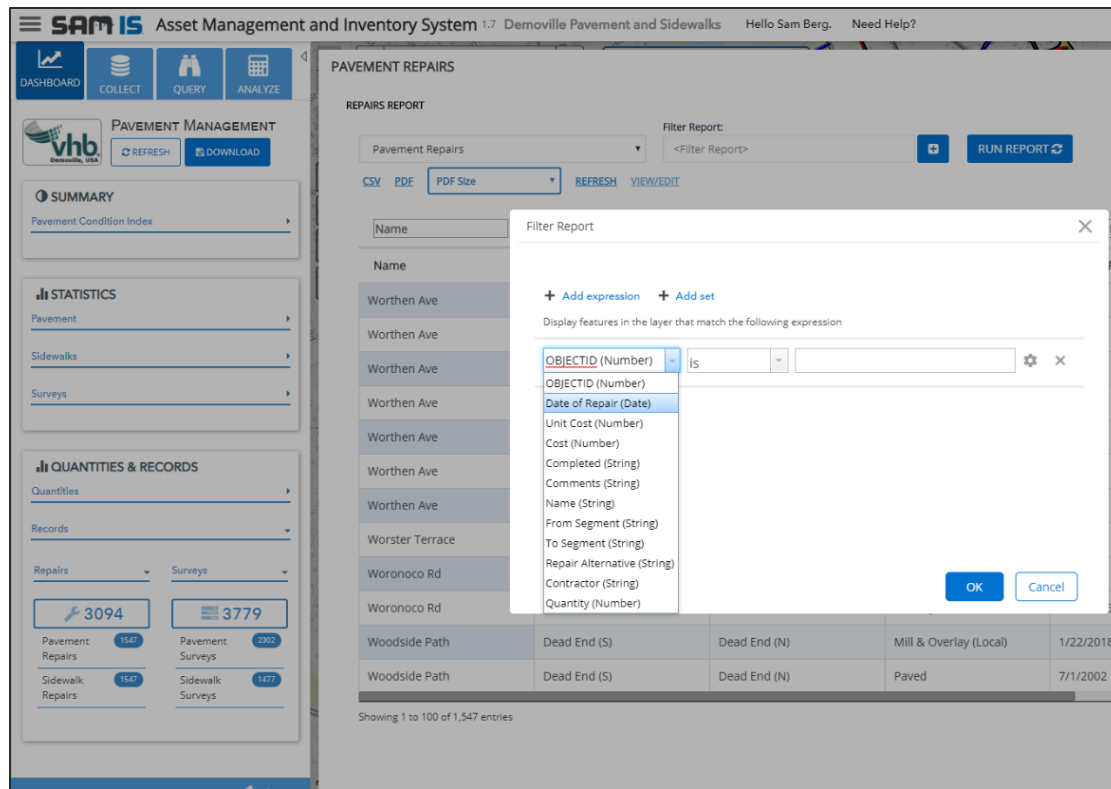
## BOOKMARKS

A bookmark tool has been added to the main application toolbar. This tool will allow you to add spatial map bookmarks defining map areas of interest, such as areas of current projects that you may visit often. Custom thumbnails can be added to the bookmarks as well. These bookmarks will speed up your time interfacing with the mapping components of SAM IS.



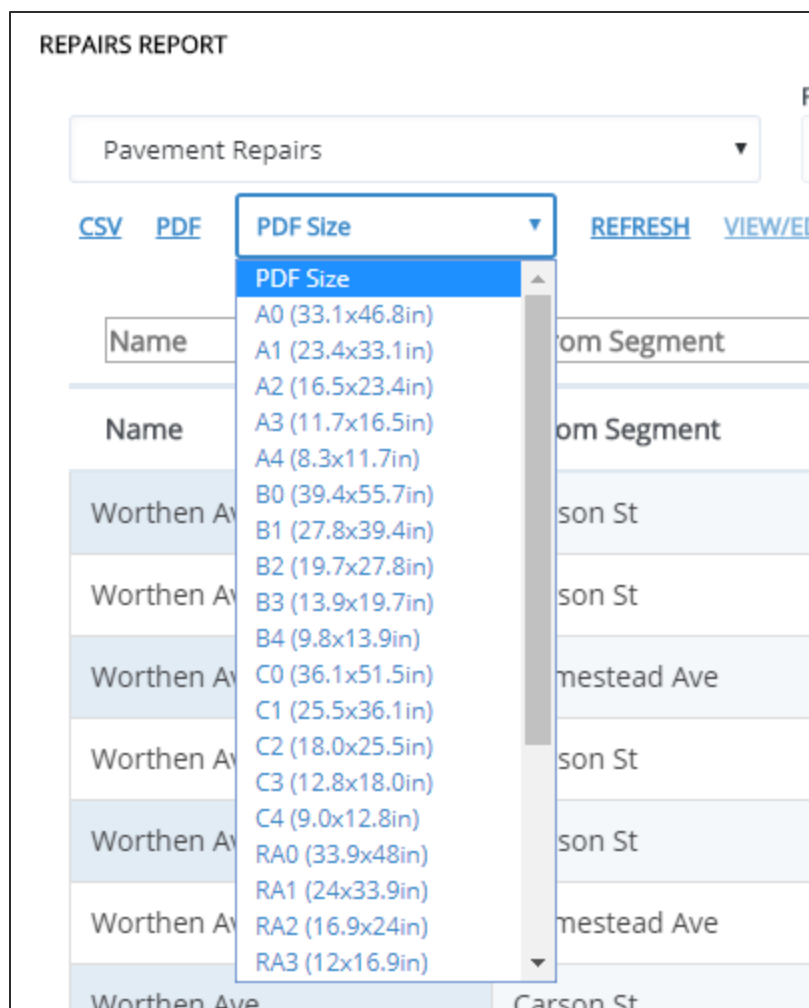
## ENHANCED FILTERING AND QUERYING OF HISTORICAL RECORDS

Historic repair and inspection records opened from the dashboard panel of the SAM IS viewer now support a custom filter to be defined and applied to the records that are shown. In this way, records filtered by date or status, for example, can be quickly located and printed or downloaded.



## EXPORT ENHANCEMENTS

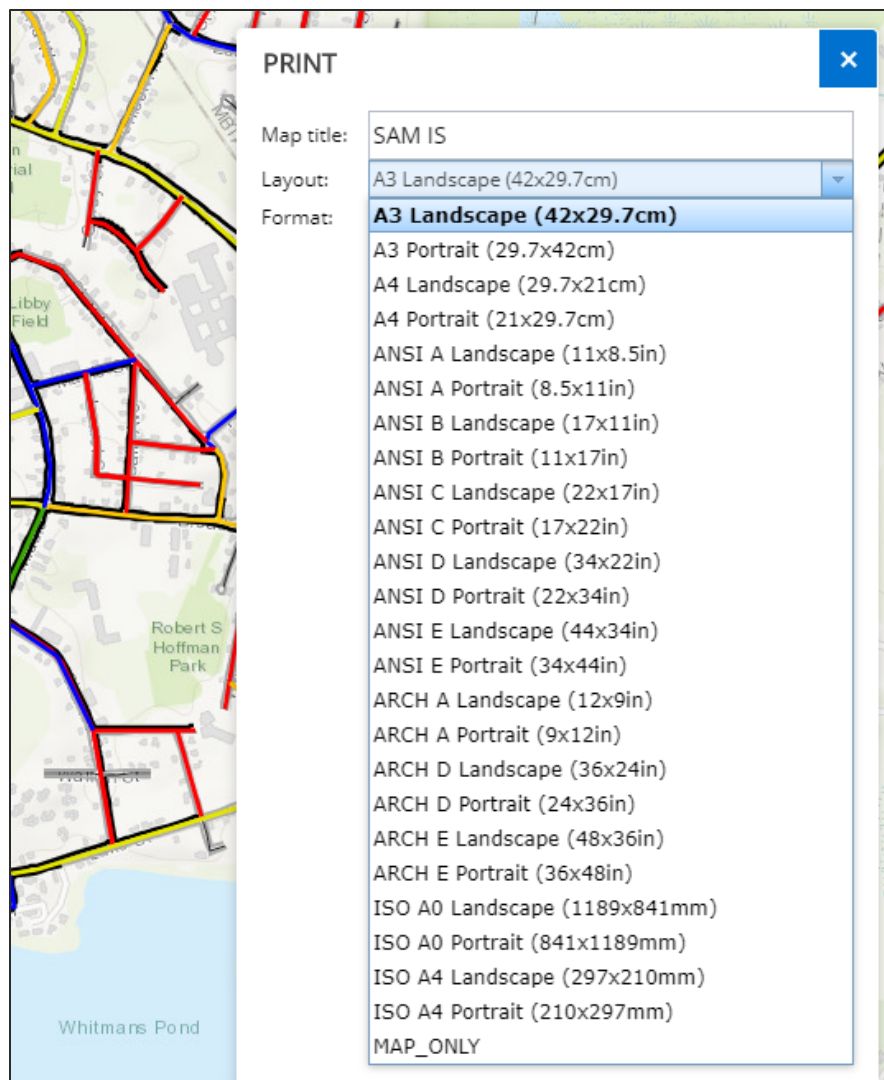
Generating exports from a large list of page sizes and orientations has been added to most data table views. This increases the utility of SAM IS data beyond the SAM IS platform itself.



## PRINTING ENHANCEMENTS

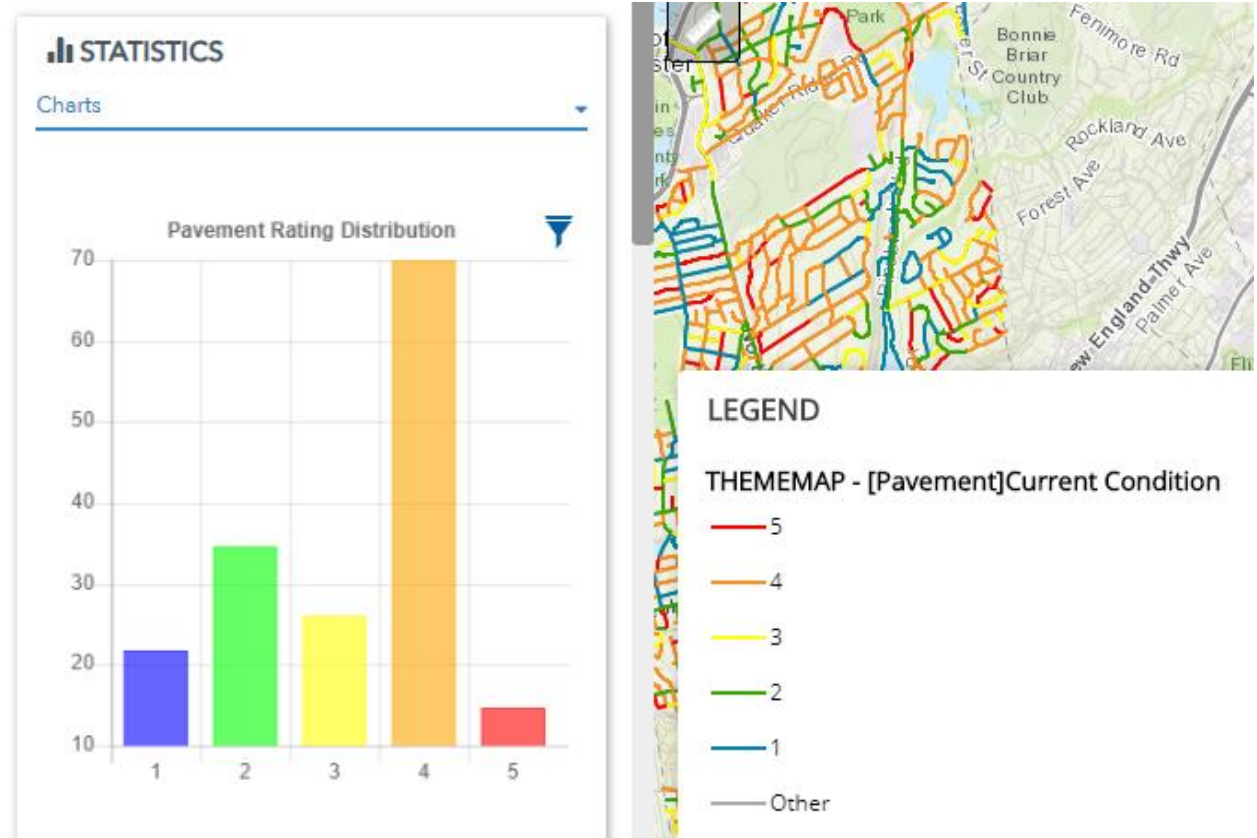
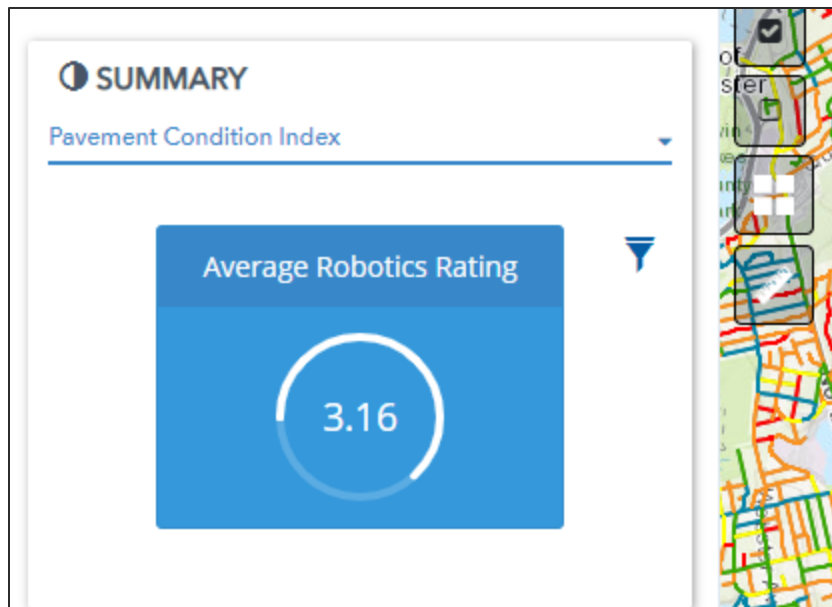
In addition to the document export size option changes, the list of available options for print sizes has also been increased to include a large list of standard paper sizes.

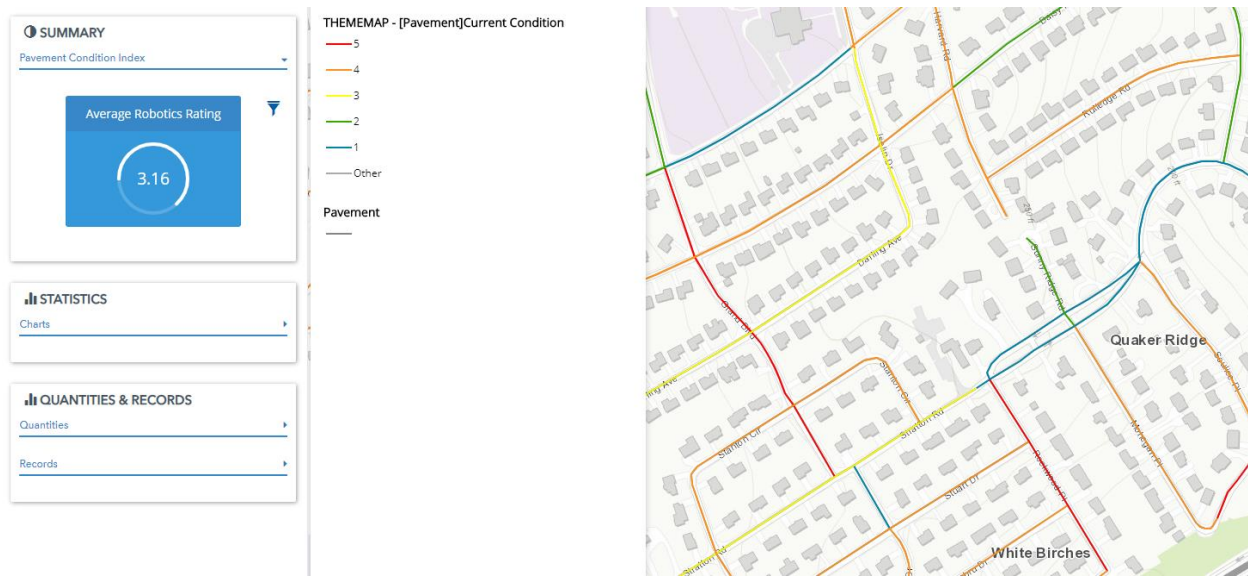




## PAVEMENT MODULE RATING CONFIGURATION ENHANCEMENTS

Configuration options have been added to better support the display of imported pavement module condition ratings from alternative sources, such as from a RoadBotics™ survey. This gives the user more options to bring in pavement condition assessment data.





## CULVERT AND BRIDGE MODULE UPDATES

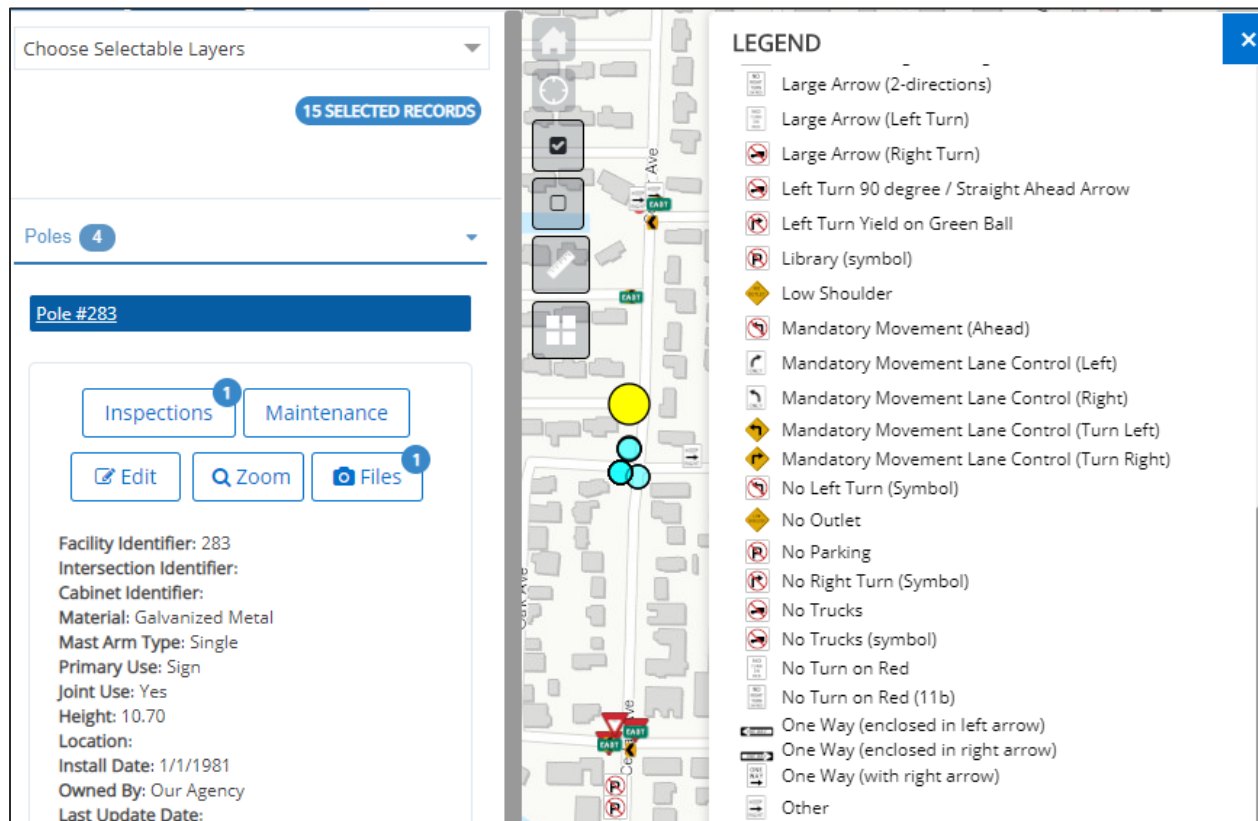
Culvert and Bridge inventories can now be managed with an updated SAM IS module and data model. Enhancing and re-releasing this module gives you more options to manage multiple assets within the SAM IS platform.

TOWN ID No.	Latest Survey Date	Score
72	11/14/2019	No
72	6/26/2017	

## SIGNS MODULE UPDATES

An updated Signs module now provides the ability to manage the condition and historical records of your organization's sign and pole inventory. Sign records and their corresponding inspection information can be associated to their location on a pole, and new pole locations recorded in the

application. Capturing and maintaining a robust sign inventory helps you understand what you need to meet or maintain for compliance, including MUTCD retroreflectivity standards.



## FRAMEWORK AND STABILITY UPDATES

Framework and stability fixes have been updated throughout the system including user interface and performance enhancements.

# VERSION 1.6 UPDATE

DECEMBER 2019

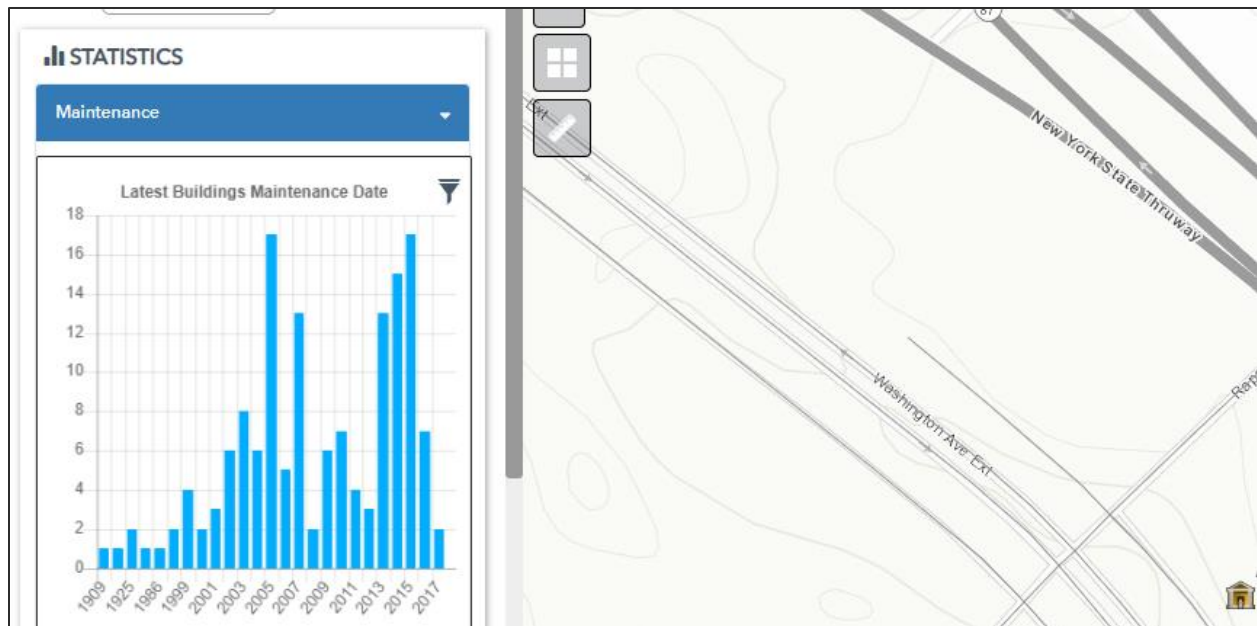
## WHAT'S NEW IN VERSION 1.6?

- [Building Module Release](#)
- [Field Aliases in Query Builder](#)
- [Completed Repairs Calculations](#)
- [Enhanced Options for Scenario Filters](#)
- [Improved Historic Record Editing](#)
- [Labeled Filters on Dashboards](#)
- [Refresh Map Data Command](#)
- [Improved Geometry Editing for Pavement Segments](#)
- [Improved Asset Report Filtering](#)
- [Improved Record Count Badges on Dashboard](#)
- [Dashboard Export Improvements](#)
- [Framework and Stability Updates](#)

Version 1.6 of SAM IS is here! We've shored up some existing features to make them more stable, as well as adding some great new functionality. Finally, we've introduced a new module – Buildings – for you to get your major vertical infrastructure assets inventoried and under control. Let's dig in!

## BUILDING MODULE RELEASE

The [SAM IS® Building module](#) can be used to inventory buildings and monitor work completed on those buildings. Tracking documentation and capital improvements for municipality-maintained buildings aids future analysis needs, including infrastructure and cost estimations.



The Buildings module report types include 'Buildings by Project Type', 'Work History', 'Building Inventory', and 'Capital Cost'. These reports can be filtered by using the selected map records, dates, and other options in the filtering popup window.

**Buildings by project type**

Report Title: Buildings by project type

Filter Report: <Filter Report>

Use map selection: NO

Run Report

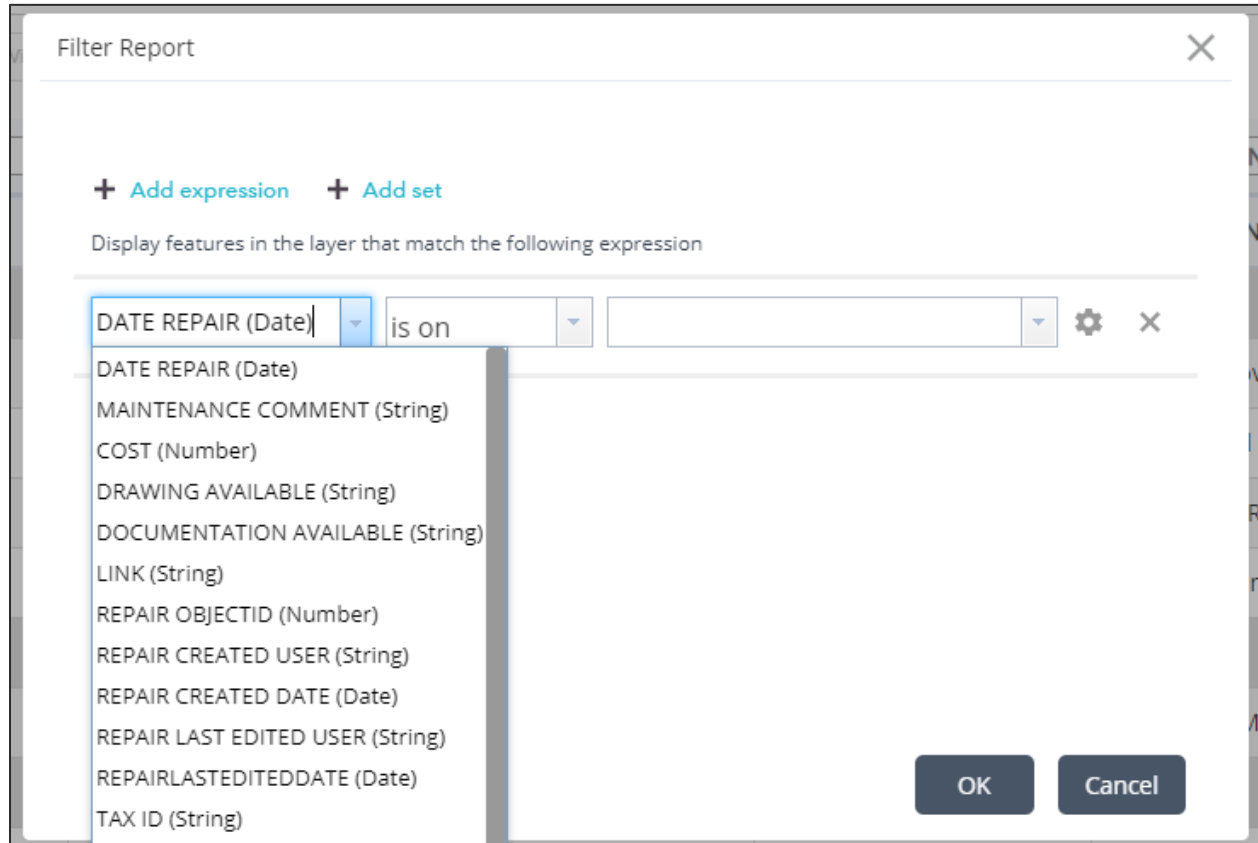
Print CSV PDF View On Map

Search:

DATE REPAIR	BUILDING ID	ADDRESS	CONTRACTOR	MAINTENANCE COMMENT
<b>41.18-4-7 (4 rows)</b>				
1/1/2006	47	Washington Ave. Ext.		Roof Improvements
1/1/2006	47	Washington Ave. Ext.		Mechanical Improvements
1/1/2005	47	Washington Ave. Ext.		Generator Replacement
1/1/1975	47	Washington Ave. Ext.		Original Construction
<b>53.74-1-1 (1 rows)</b>				
1/1/2011	13	Washington Ave. Ext.		Plumbing Modifications for new spray pad.
<b>64.59-1-25 (7 rows)</b>				
1/1/2015	28	Washington Ave. Ext.		Roof Replacement Project
1/1/2014	28	Washington Ave. Ext.		Front Entrance and Door Renovations
1/1/2011	28	Washington Ave. Ext.		Window Replacement
1/1/2005	28	Washington Ave. Ext.		Building Renovations

## FIELD ALIASES IN QUERY BUILDER

More friendly field aliases will be displayed in query builder dialogs (instead of underlying database field names).



## COMPLETED REPAIRS CALCULATIONS

Updates to the completed repair process include:

- Better support for clearing specific distress types when applying repair categories
- Better support for creating new historical records using the configured repair alternative condition index values
- Better support for batch editing of completed repairs

The screenshot shows a web-based form titled "Repair on 8/1/2012". The form is divided into two main sections. The left section contains input fields for "Maintenance Date" (8/1/2012), "Unit Cost" (\$ 30.00), "Repair Quantity" (1), "Is Capital" (YES), and "Contractor" (a dropdown menu with "(Select a Contractor)" and a "CONTRACTORS..." button). The right section contains a "Treatment" dropdown (Overlay), an "ALTERNATIVES..." button, "Total Segment(s) Area" (10000), "Total Cost" (\$ 300000), and a red-bordered box containing the "Is Done/Generate New Survey" (YES) checkbox.

## ENHANCED OPTIONS FOR SCENARIO FILTERS

When opening the scenario filter, any underlying stored expression is re-created in the dialog box.



Scenario Query Builder

Select Query

+ Add expression   + Add set

Display features in the layer that match the following expression

AvgCurbReveal (Numl

is at least

20

OK   Cancel

Validation improvements have been added to the edit dialog.

Scenario Builder Window

Name  
New Scenario

Scenario Type  
☒ Limited Budget   ☐ Backlog

Starting Budget Date

Budget Inflation

Generate Budget

New   Edit   Delete

Budget	Date	Amount
<input type="checkbox"/>	7/1/2019	6000000
<input type="checkbox"/>	7/1/2019	6000000
<input type="checkbox"/>	11/13/2019	100000
<input type="checkbox"/>	11/13/2019	100000
<input type="checkbox"/>	7/1/2020	6000000

Selection  
<Custom Expression>

Starting Budget

Strategy  
Typical Repair Strategy

How Many Years?  
10

Repair Category

Create new entry

Budget Amount:

Budget Date:
11/13/2019

Alternative:
Select an Alternative

Category:
Select a Category

Create

Budget Amount must be added

## IMPROVED HISTORIC RECORD EDITING

Historic records entered using SAM IS mobile field data collection applications can be configured to have editable fields accessible through the desktop SAM IS record view.

The screenshot shows a web application titled "Inlets Inspections for Record". It features a search bar and a table of inspection records. The table has columns for Facility ID, Legacy ID, Inspection Date, Inspector, Structure Found, Visit Type, Visit Reason, and Owner. A single record is displayed with Facility ID 1541.0, Legacy ID 1541.0, Inspection Date 6/12/2001, and Visit Type Inspection Only.

Facility ID	Legacy ID	Inspection Date	Inspector	Structure Found	Visit Type	Visit Reason	Owner
1541.0	1541.0	6/12/2001		Yes	Inspection Only		

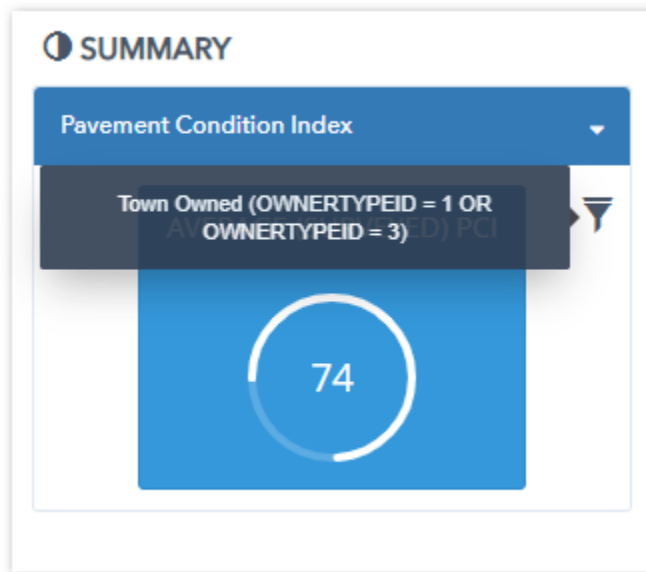
The screenshot shows a "Record View" dialog box with a list of fields and their values. The fields are: FACILITYID (cb820), INSPECTOR (SB), STRUCTURE\_FOUND (Yes), GRATE\_ALIGNED (Yes), GRATE\_CLOGGED (Yes), DRYWEATHER\_FLOW (Yes), SURFACE\_OIL (Yes), SURFACE\_FOAM ( ), HOOD\_CONDITION (Damaged-requires maintenance), SEDIMENT\_ACCUM (No sediment), CB\_CONDITION (Good: Inspect Within 2 Years), NOTES ( ), REPAIR\_STRUCTURE ( ), REPLACE\_GRATE\_FRAME ( ), REPAIR\_HOOD ( ), CLEAN\_CB\_STRUCTURE ( ), CLEAN\_PIPE ( ), and REMOVE\_DEBRIS ( ). The dialog box has "Cancel" and "Save" buttons at the bottom right.

FACILITYID	cb820
INSPECTOR	SB
STRUCTURE_FOUND	Yes
GRATE_ALIGNED	Yes
GRATE_CLOGGED	Yes
DRYWEATHER_FLOW	Yes
SURFACE_OIL	Yes
SURFACE_FOAM	
HOOD_CONDITION	Damaged-requires maintenance
SEDIMENT_ACCUM	No sediment
CB_CONDITION	Good: Inspect Within 2 Years
NOTES	
REPAIR_STRUCTURE	
REPLACE_GRATE_FRAME	
REPAIR_HOOD	
CLEAN_CB_STRUCTURE	
CLEAN_PIPE	
REMOVE_DEBRIS	

Historic records entered using SAM IS mobile field data collection applications can be configured to have editable fields accessible through the SAM IS record view.

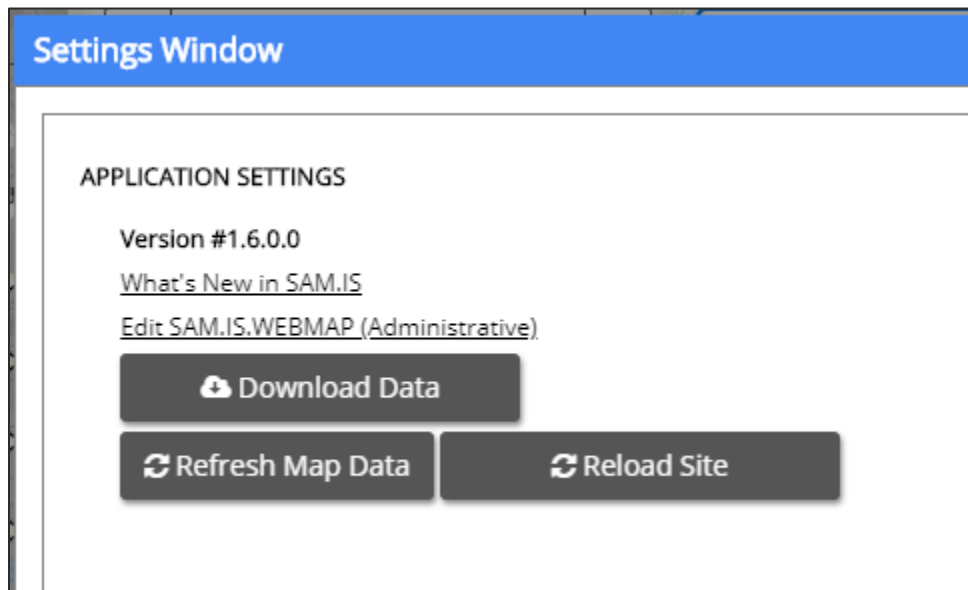
## LABELED FILTERS ON DASHBOARDS

Dashboard components now show a tooltip displaying any filter used to generate the graph or statistic.



## REFRESH MAP DATA COMMAND

A Refresh Map Data command has been added to the settings dialog and can be used to refresh all map data without having to reload the entire site.



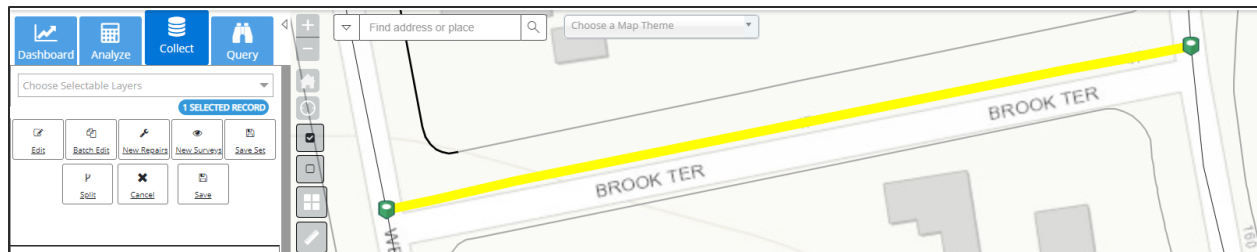
This tool can be used after significant operations, such as pavement geometry edits, to ensure the displayed records are current.

## IMPROVED GEOMETRY EDITING FOR PAVEMENT SEGMENTS

Improved workflows and error handling have been added for the Split Segment and Merge Segment functionality in the Pavement module.

[Data Collection - Splitting Segments](#)

[Data Collection - Merging Segments](#)



## IMPROVED ASSET REPORT FILTERING

The map selection records counts have been added to the asset report filtering section. Many reports can be configured to honor the current map selection as the basis for the data included in the report.

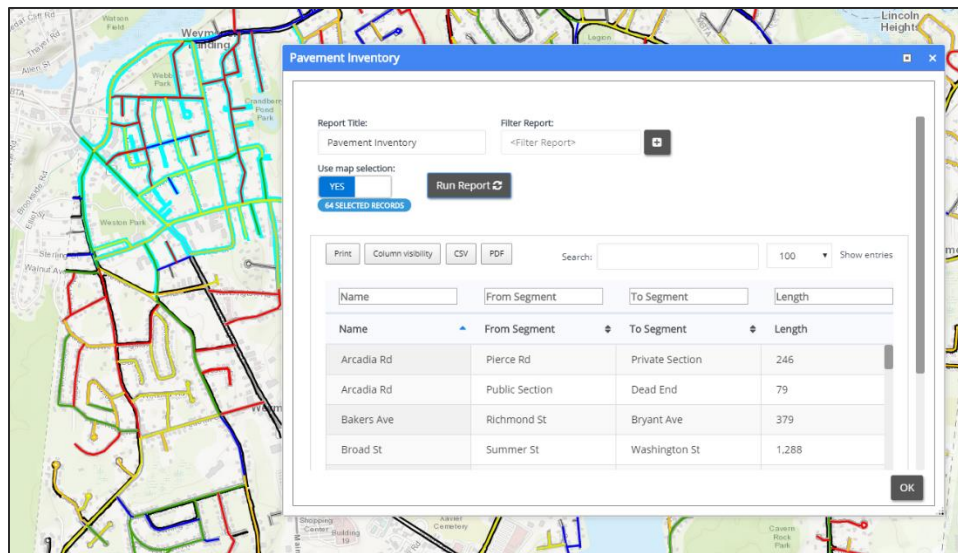
**Pavement Inventory**

Report Title:  Filter Report:  Use map selection: ☒ YES ☐ NO  64 SELECTED RECORDS

Print Column visibility CSV PDF Search:  100 Show entries

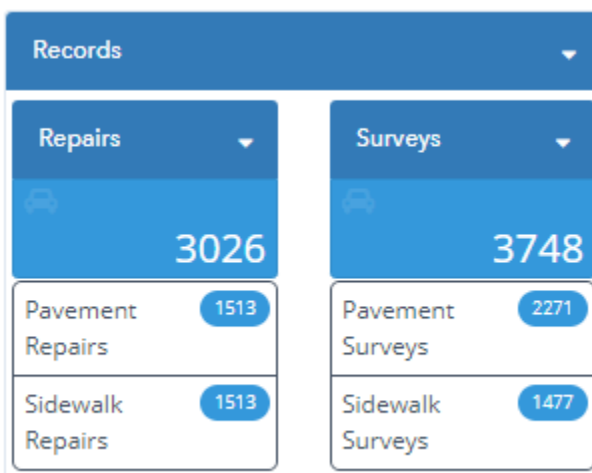
Name	From Segment	To Segment	Length	Width	CDS Diameter	Area	Pa
Arcadia Rd	Pierce Rd	Private Section	246	23	0	5,667	
Arcadia Rd	Public Section	Dead End	79	23	0	1,810	
Bakers Ave	Richmond St	Bryant Ave	379	18	0	6,822	
Broad St	Summer St	Washington St	1,288	26	0	33,478	
Broad St.	Bell	Essex St	3,600	32	0	115,200	
Broad St.	Bell	Essex St	3,600	32	0	115,200	

Showing 1 to 64 of 64 entries < Previous 1 Next >



## IMPROVED RECORD COUNT BADGES ON DASHBOARD

On the dashboard, the Records tab displays the breakdown summaries of total record counts, and the underlying tables can be directly launched from the dashboard.



## DASHBOARD EXPORT IMPROVEMENTS

The filter information from the Dashboard charts and quantities is now displayed on the exportable Dashboard Report.



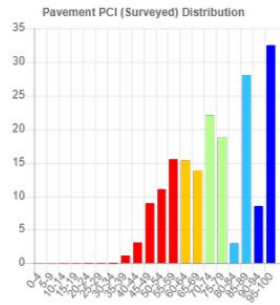
# Demoville Pavement and Sidewalks: Pavement Management (11/13/2019)

Miles: 181.90

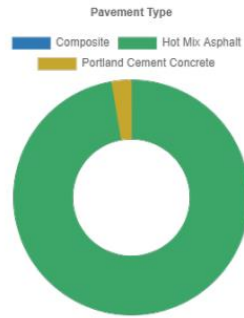
Segments: 1139

Average PCI: 74

Filter: Town Owned (OWNERTYPEID = 1 OR OWNERTYPEID = 3)



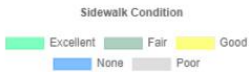
(Town Owned)



(OWNERTYPEID = 1 OR OWNERTYPEID = 3)



(OWNERTYPEID = 1 OR OWNERTYPEID = 3)



(All Records)

## FRAMEWORK AND STABILITY UPDATES

Framework improvements and stability fixes have been added throughout the system.

# VERSION 1.52 UPDATE

AUGUST 2019

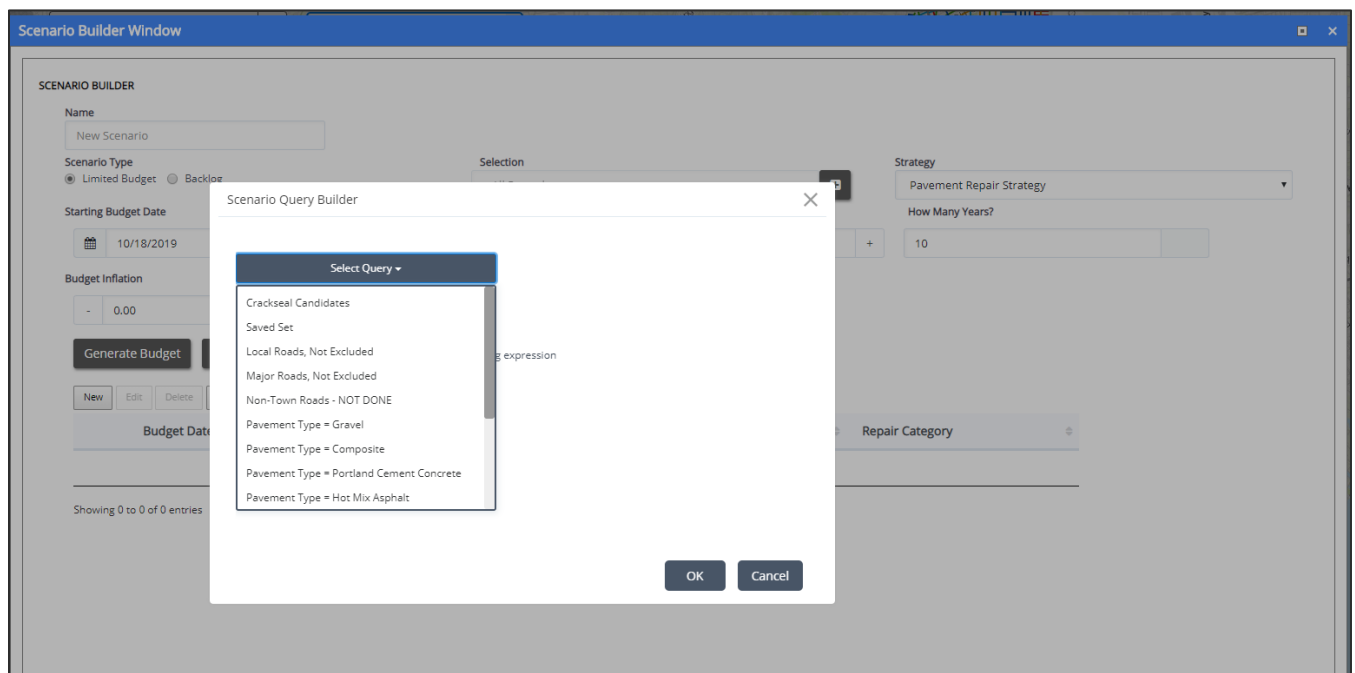
## WHAT'S NEW IN VERSION 1.52?

- [Scenario Query Builder Updates](#)
- [Updated Table Filtering Options](#)
- [Improved User Confirmation on Editing Deletions](#)
- [Improved Report Field Formatting](#)
- [Improved Login feedback](#)
- Stability Fixes and Framework Updates

## SCENARIO QUERY BUILDER UPDATES

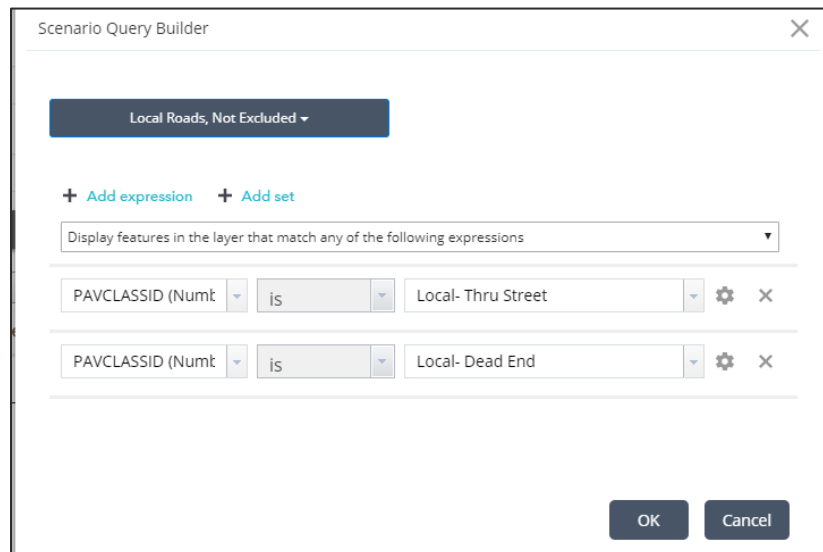
### OPTION OF STANDARD QUERIES FOR USE AS SCENARIO SELECTIONS

With this update, any standard query expression selectable in the query panel of the application will also be selectable as a preset choice in the Scenario Query Builder dialog.



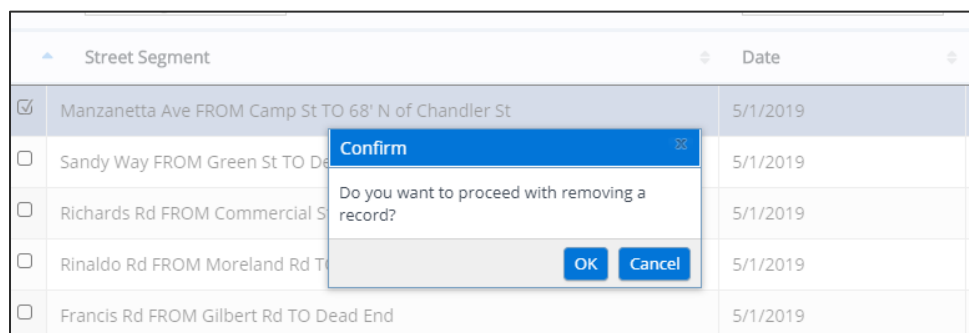
## AVAILABILITY OF STORED QUERIES IN QUERY BUILDER

Any filter expression stored with the Scenario information in the database will additionally be available in the Scenario Query Builder.



## IMPROVED USER CONFIRMATION ON EDITING DELETIONS

When deleting records from the system, the user will be presented with an option to confirm or cancel the operation.



## IMPROVED REPORT FIELD FORMATTING

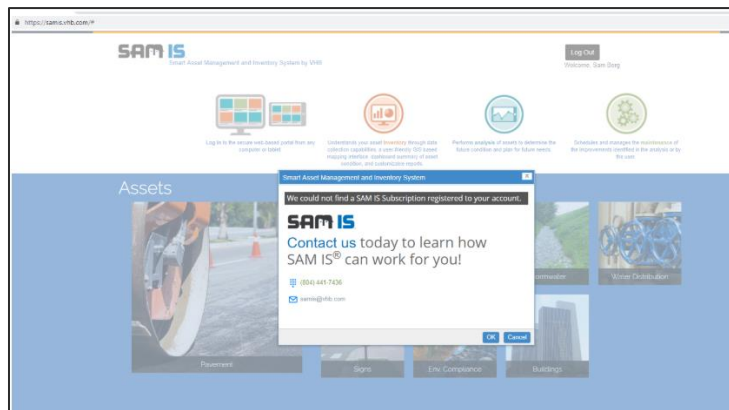
SAM IS will better honor any formatting set up in the ArcGIS Online webmaps for the layers being displayed.



<input checked="" type="checkbox"/>	{INVERTELEV}	Invert Elevation (NAVD88)	<b>Format</b> <input checked="" type="checkbox"/> Use 1000 Separator
<input checked="" type="checkbox"/>	{isLocking}	Does is Lock?	
<input checked="" type="checkbox"/>	{HASVALVE}	Has Valve?	

## IMPROVED LOGIN FEEDBACK

When a user without proper authorization attempts to login to the system a more helpful message will be displayed.



# VERSION 1.51 UPDATE

JUNE 2019

## WHAT'S NEW IN VERSION 1.51?

- [Sorting and searching table records](#)
- [Scenario Query Builder](#)
- [Formatting table field data](#)
- [Save custom queries in local storage](#)
- [Group selection results by asset type](#)
- [Dashboard grouping and layout enhancement](#)
- [Pavement Scenario Strategy Wizard Enhancements](#)
- [Style and Layout enhancements](#)

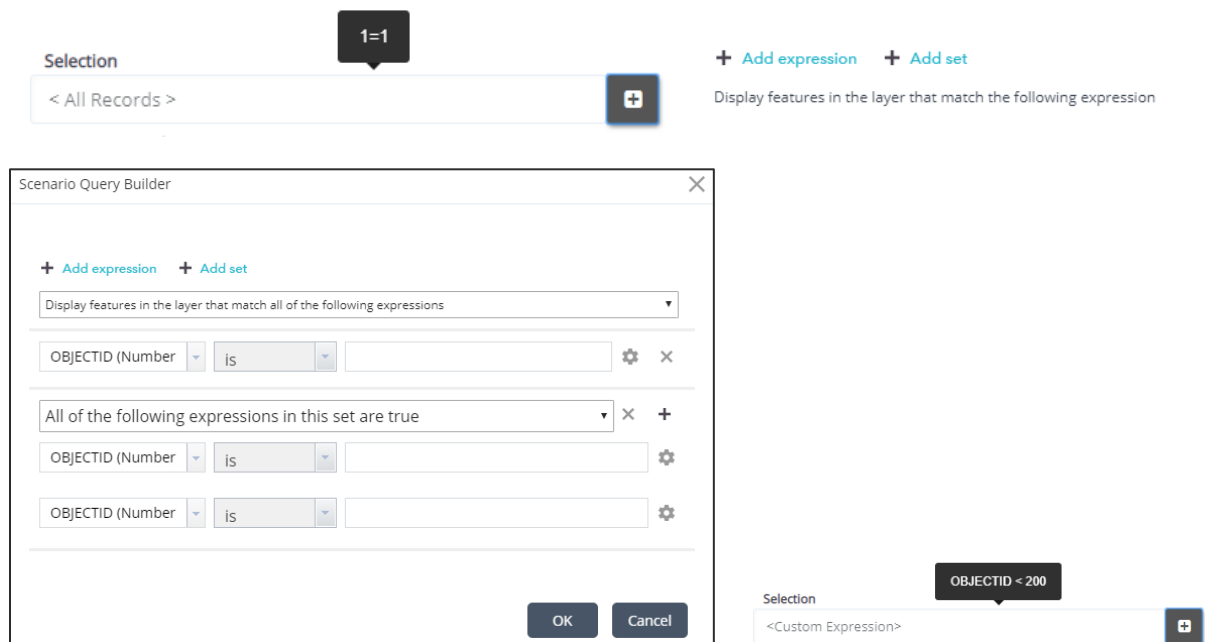
## SORTING AND SEARCHING TABLE RECORDS

Search input has been added to many table columns, giving you the ability to filter data based on each column. The sorting option provides the ability to sort data alphabetically.

<input type="text" value="Name"/>	<input type="text" value="From Segment"/>	<input type="text" value="To Segment"/>	<input type="text" value="Length"/>
Name ▲	From Segment ⇅	To Segment ⇅	Length ⇅
Abbott St	Thomas Rd	Clarendon St	880
Abigail Adams Cir	North St	Norton St	1,463
Academy Ave	Middle St	Broad St	3,049
Adams Pl	Main St	Dead End	1,038

## SCENARIO QUERY BUILDER

The Scenario Query Builder provides the ability to generate custom query and save these expressions to generate input for new scenarios. On default, *All Records* are selected. If you'd like to customize the selection set, you can now use the ArcGIS Online commands *Add expression* or *Add set*, choose attributes from the dropdown list, and click *OK* to create an expression. On hovering over the selection input, the 'Custom Expression' text will now be seen.



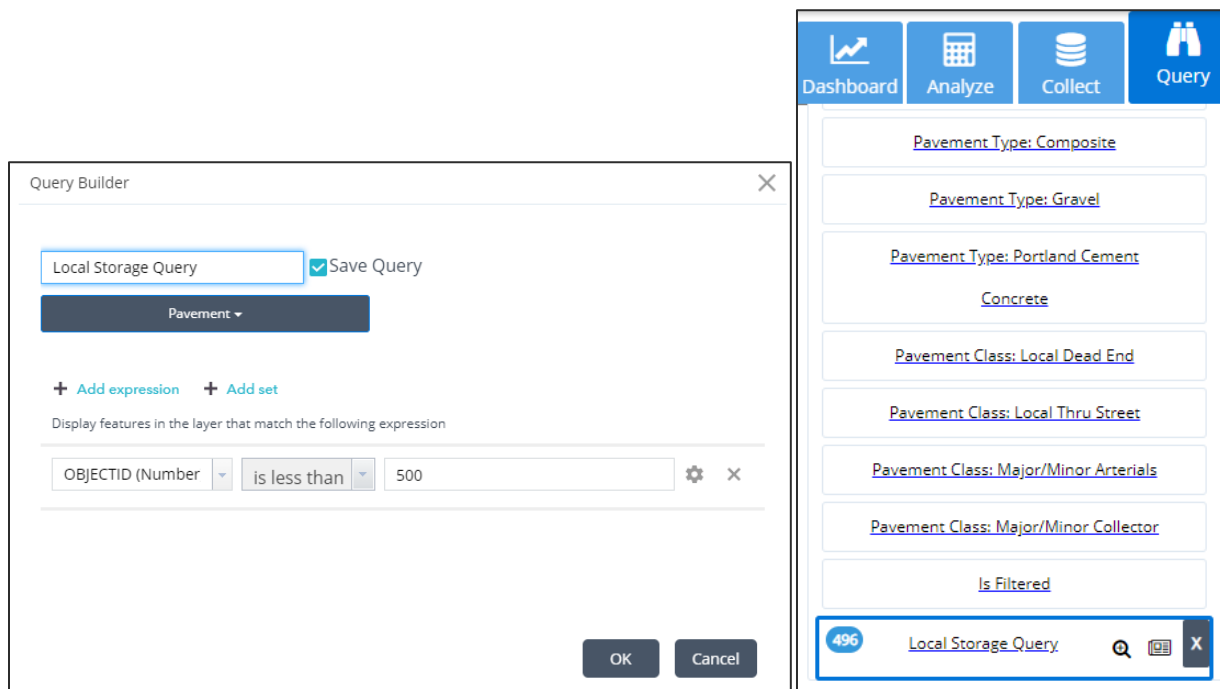
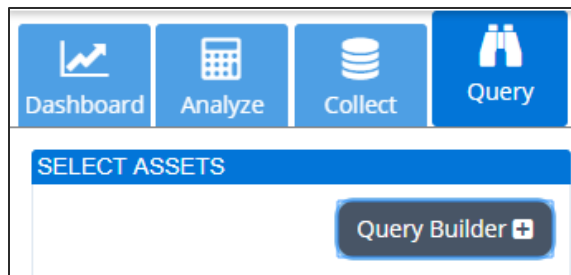
## FFORMATTING TABLE FIELD DATA

Data table fields are now smartly formatted, based on data types. For example, table records such as FRSTATION and TOSTATION were previously appearing as decimals. Now they are set to integers/whole numbers for ease of reading and comprehension.

From Station	To Station
From Station	To Station
0	161
0	197

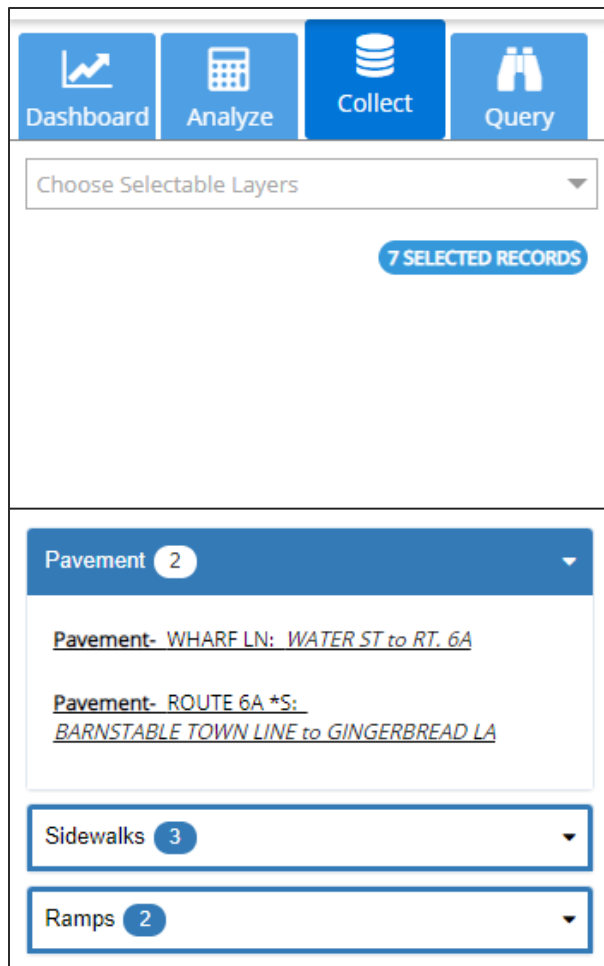
## SAVE CUSTOM QUERIES IN LOCAL STORAGE

The Query Builder now features a save functionality where custom queries can be saved and deleted from your local storage session. Be sure to check the *Save Query* checkbox and *Ok* after building your query to save your custom-built query into local storage. You can also delete your local storage queries using the x button on the right side of the query record in the *SELECT ASSETS* area.



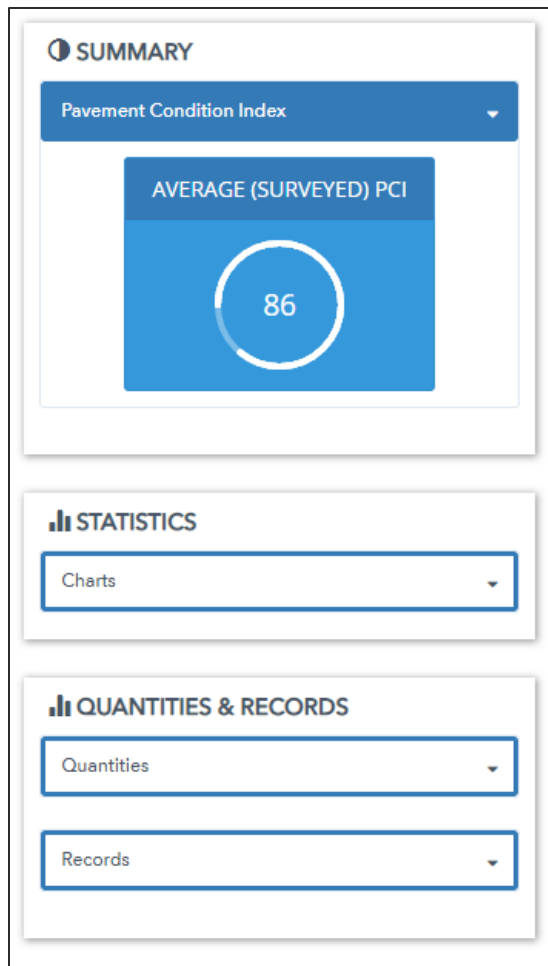
## GROUP SELECTION RESULTS BY ASSET TYPE

Grouping the selection results by asset type provides a better user experience for you to check for records within the accordion tab to reduce scrolling to find a particular record.



## DASHBOARD GROUPING AND LAYOUT ENHANCEMENT

Grouping the dashboard elements provides a better user experience to help you find useful information faster. The graphs are now grouped based on titles in the configuration files.



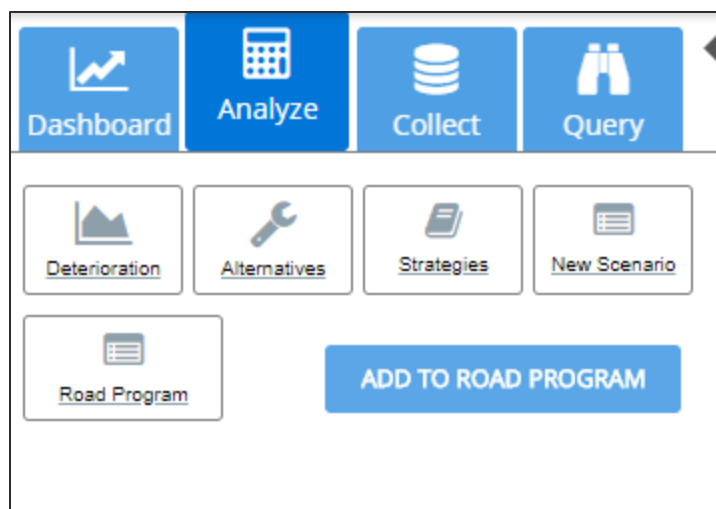
## PAVEMENT SCENARIO STRATEGY WIZARD ENHANCEMENTS

*Select All* and *Deselect All* buttons are added to the strategy table to select all records

Select All	Deselect all	New	Edit	Delete
AVGCURBREVEAL		DRAINAGEINDEX		

## STYLE AND LAYOUT ENHANCEMENTS

Icons on the *Analyze* tab have been updated to increase spacing and improve overall look.



# VERSION 1.5 UPDATE

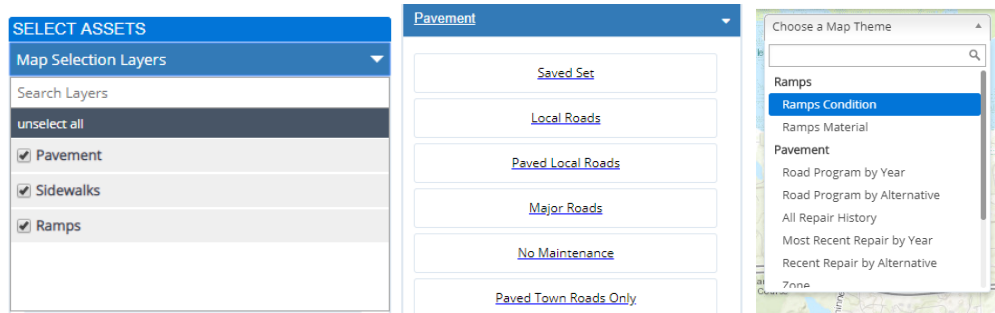
MARCH 2019

## WHAT'S NEW IN VERSION 1.5?

- Grouped Asset Options
- Enhanced Query Builder
- Updated Pavement Repair Strategy Management
- New Table Search/Filtering
- Dashboard Updates
- Usability Updates

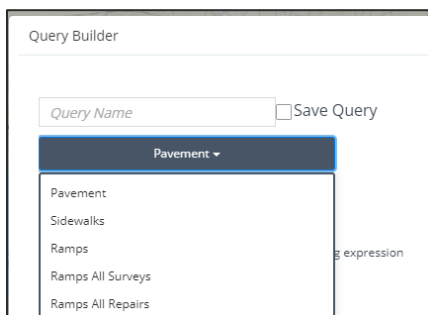
### GROUPED ASSET OPTIONS

Options for viewing grouped asset layers has been added to the THEMEMAP and QUERY tabs and can be configured for multiple module subscriptions such as Pavement and Sidewalks.



### ENHANCED QUERY BUILDER

More options for querying asset layers and historical records has been added to the Query Builder.



The ability to save the query has been added to Query Builder, allowing you to rerun the query more easily.



Query Builder

Query Name

Save Query

Pavement

+ Add expression

+ Add set

Display features in the layer that match the following expression

OBJECTID (Number)

is less than

1000

OK

Cancel

Pavement Type: Gravel

Pavement Type: Portland Cement Concrete

Pavement Class: Local Dead End

Pavement Class: Local Thru Street

Pavement Class: Major/Minor Arterials

Pavement Class: Major/Minor Collector

Is Filtered

LOW PCI

990

Query Name

Q

## UPDATED PAVEMENT REPAIR STRATEGY MANAGEMENT

Repair Strategy Management has been updated with a new strategy wizard allowing you to view, edit, and create Repair Strategies with better control and detail.

1

2

3

4

Select Trigger Factors

Selected Factors Details

Repair Strategy Triggers Preview

Append/Replace

Select Trigger Factors

Available Factors

Search...

PAVEMENTID

NAME

FCLASSID

ROUTEID

FRSTATION

TOSTATION

LENGTH

WIDTH

CDSDIAMETER

»

>

<

«

Selected Factors

Search...

PAVCLASSID

PAVTYPEID

PCI

BASEINDEX

↑

↓





Apply

Cancel

Next »

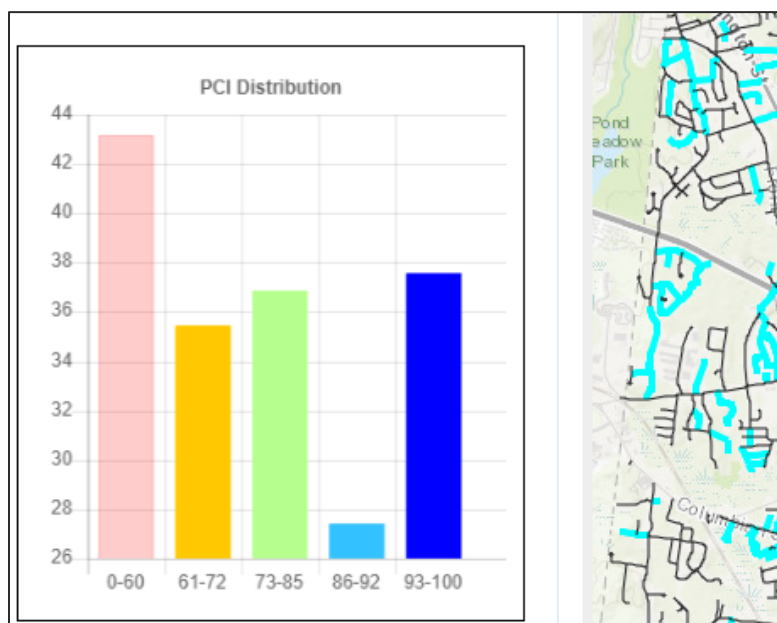
## NEW TABLE SEARCH/FILTERING

The ability to filter any column in table views has been added.

Pavement (311) 								
   		Search: <input type="text"/>		100	Show entries			
<input type="text" value="Name"/>	<input type="text" value="From Segment"/>	<input type="text" value="To Segment"/>	<input type="text" value="Length"/>	<input type="text" value="Width"/>	<input type="text" value="CDS Diameter"/>	<input type="text" value="Area"/>	<input type="text" value="Paver"/>	
Name	From Segment	To Segment	Length	Width	CDS Diameter	Area	Paver	
Abbott St	Thomas Rd	Clarendon St	880	27	0	23,760	Hot	

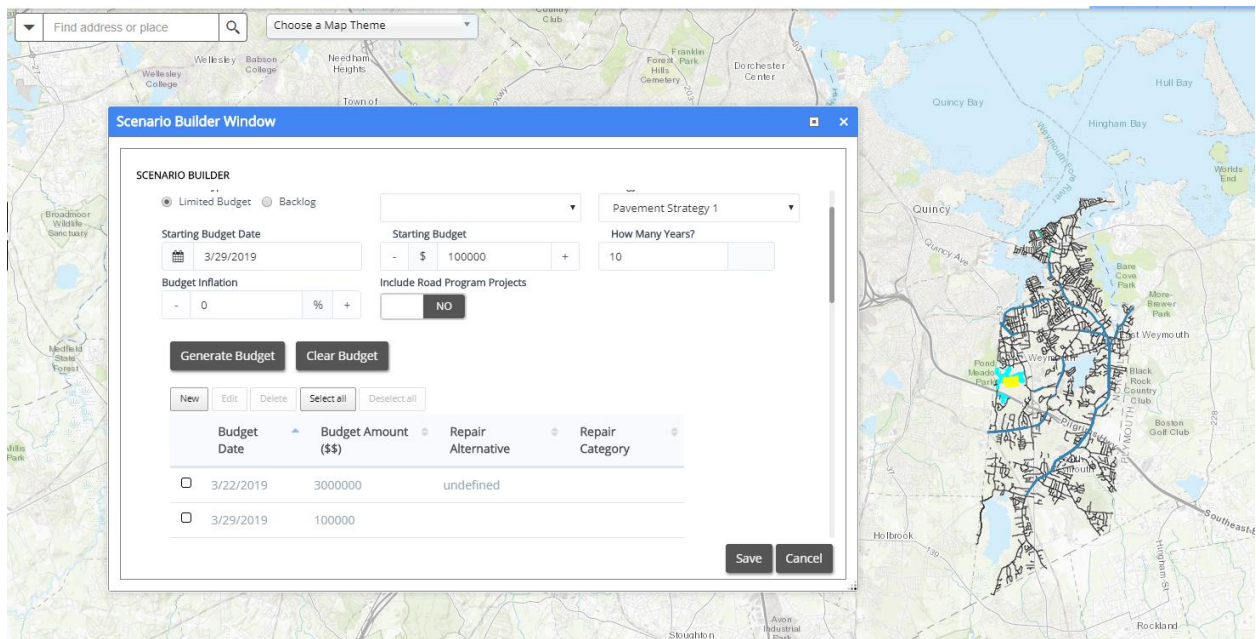
## DASHBOARD UPDATES

Pavement PCI Chart Interactivity: PCI Distribution reports are now interactive and selecting on a PCI range will select the corresponding pavement segments.

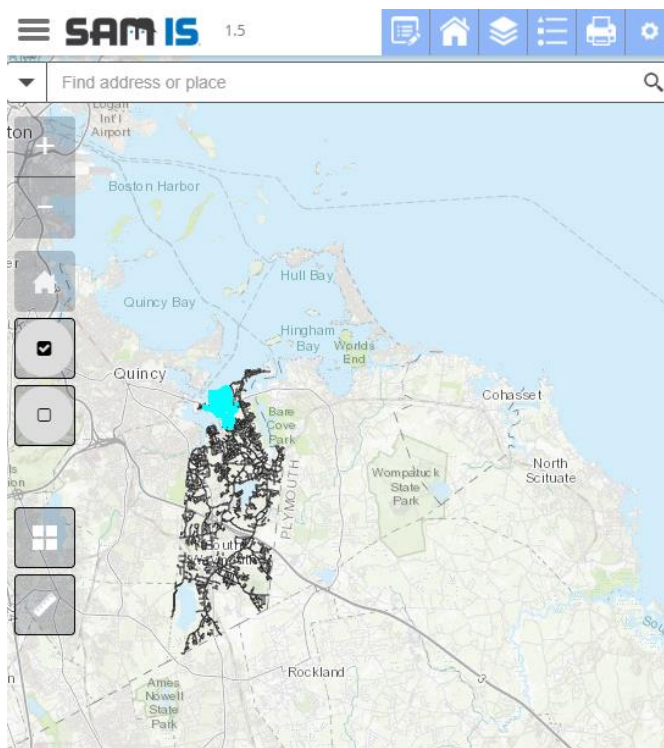


## USABILITY UPDATES

The ability to re-size the full screen panels makes it easier to view the map and the table windows simultaneously.



The viewer will keep elements of the more responsive to mobile window sizes. By using the ability to close the left capabilities panel, you can interact with a large map layout. All panels are full-screen on mobile view and the opening of tables and panels on mobile is more efficient with this version.



# VERSION 1.4 UPDATE

FEBRUARY 2019

## WHAT'S NEW IN VERSION 1.4?

- PDF Export Update
- Dashboard Chart Update
- Table View Updates

### PDF EXPORT UPDATE

The main site logo configured with your site will now be included in the PDF exports available from the system.



Facility ID	Install Date	Inlet Type	Access Type	Enabled	Street Name	Owned By	Waterbody ID	Waterbody Impairment
cb1477	10/31/2004, 7:00 PM	GI	Grate			Town	None	None
cb1534	6/19/2008, 8:00 PM	CB	Grate			Town	None	None
cb1535	6/19/2008, 8:00 PM	CB	Grate			Town	None	None
cb2044	9/20/1992, 8:00 PM	CB	Grate			Town	None	None
cb2045	9/20/1992, 8:00 PM	CB	Grate			Town	None	None
cb2046	9/20/1992, 8:00 PM	CB	Grate			Town	None	None

### DASHBOARD CHART UPDATE

### TABLE VIEW UPDATES

The ability to control the visibility of specific fields in a table report view has been added.

Pavement (311)

Print

Column visibility

CSV

PDF

Name	From Segment
Name	To Segment
Abb	Length
Abig	Width
Add	CDS Diameter
Ado	Area
Alap	Pavement Type
Alap	Functional Classification
Albe	Volume
Alde	Zone
Alew	Sidewalk Material
Altr	Owner
Altr	DtSurvey
Altr	PCI
And	One Way
And	Comment
And	Include in Scenarios?

Showing

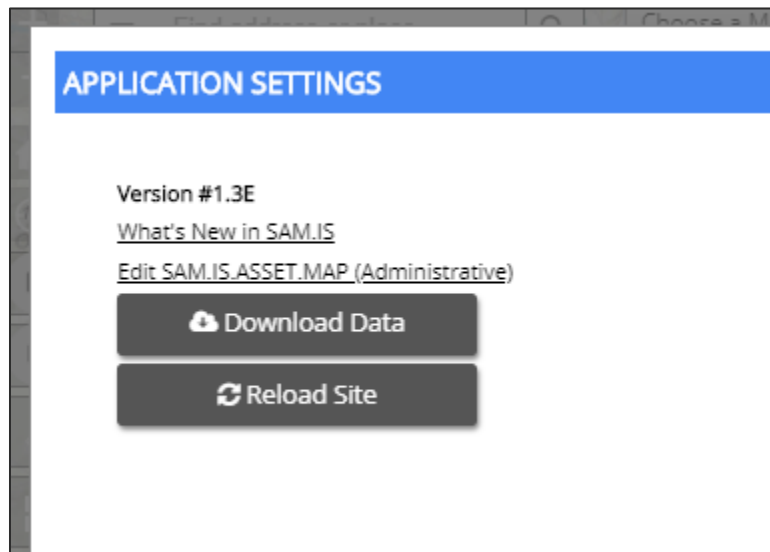
# VERSION 1.3 UPDATE

## WHAT'S NEW IN VERSION 1.3?

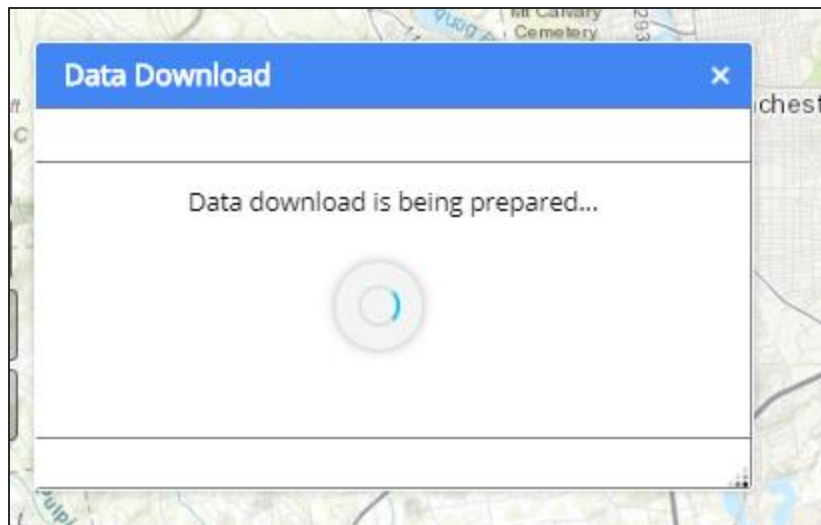
- Batch Download Capability
- Contractor Table Editor
- Improved Table Paging Options
- Additional Table Export Options
- Usability and Stability Fixes

## BATCH DOWNLOAD CAPABILITY

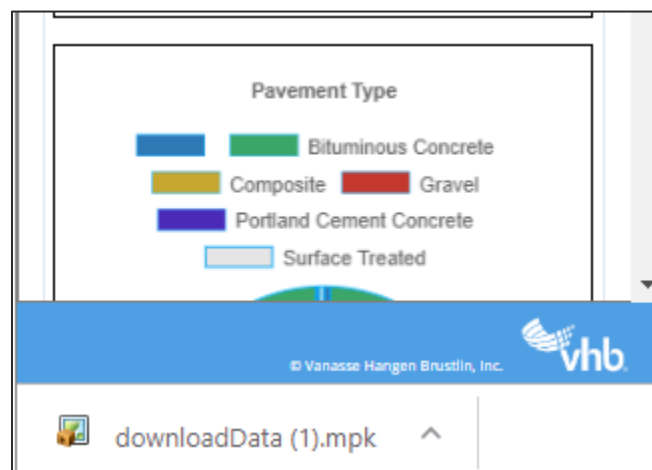
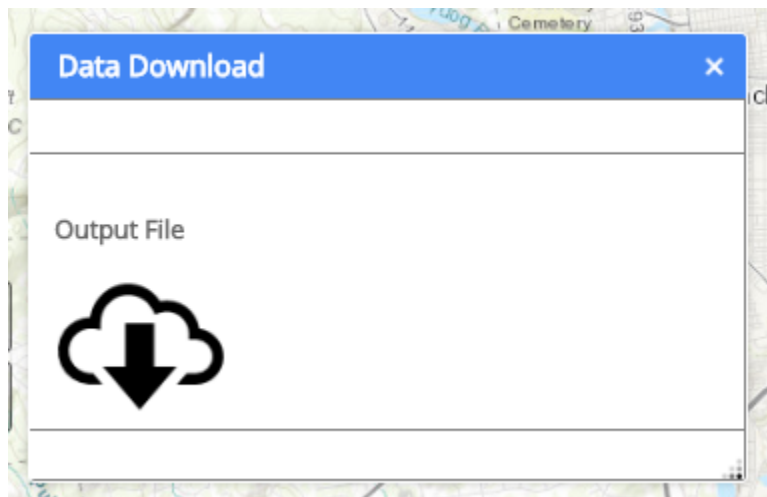
The ability to batch download the most up to date data from the SAM.IS system has been added. To download an ArcGIS Map Package of your site, access the Download Data option from the Application Settings window.



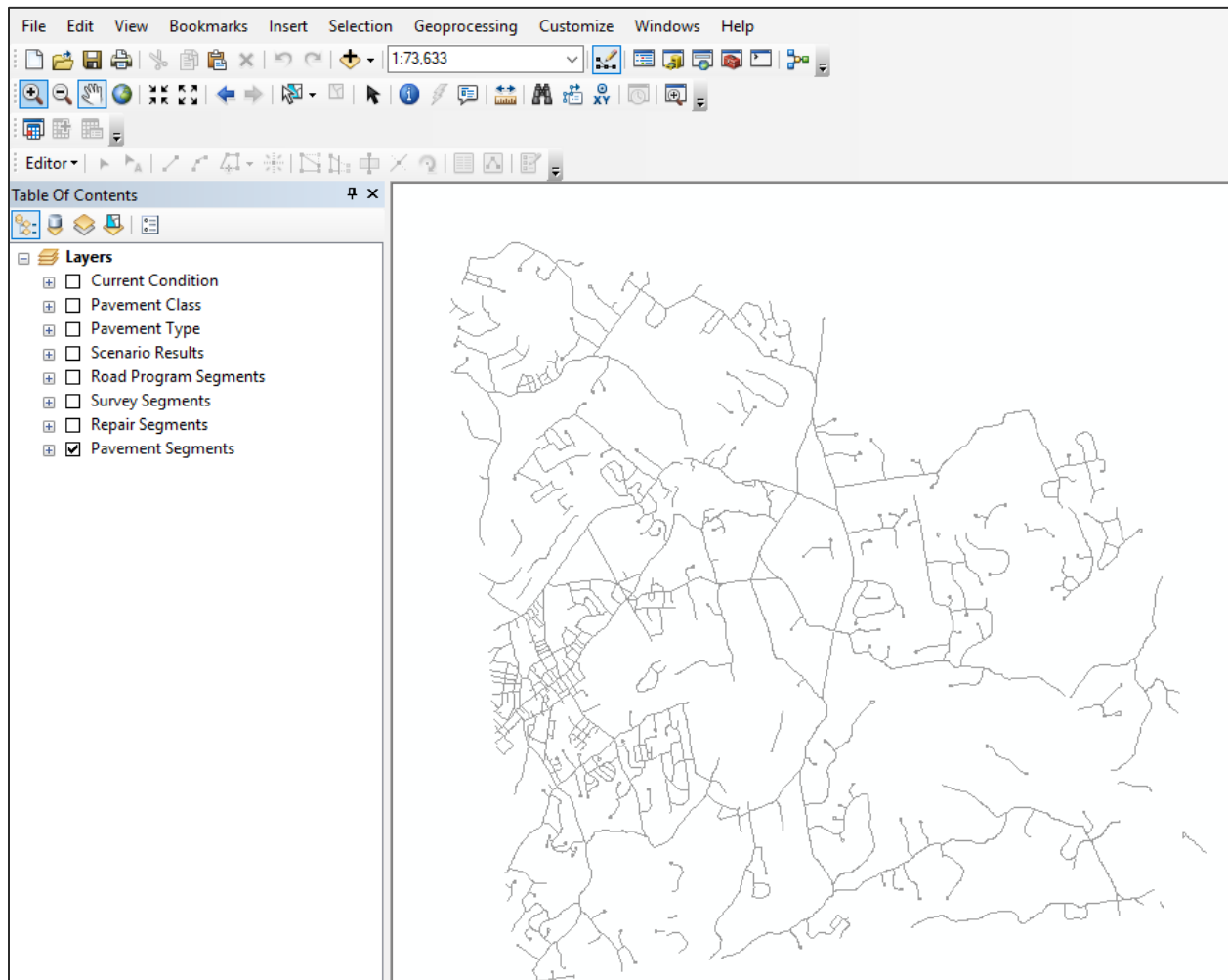
The Data Download tool will automatically open and begin downloading your datasets.



When complete, select "Output File" to download the Map Package to your computer.

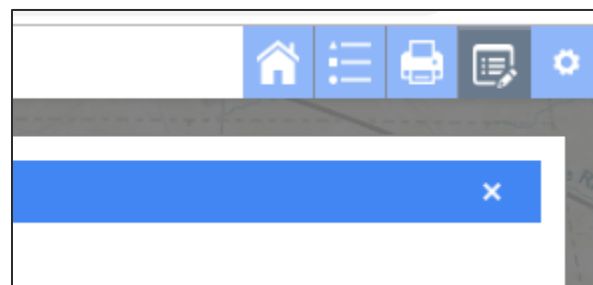


When the download is complete, double click the MPK file to unpack the map package and open the resulting file geodatabase into ArcMap. Alternatively, the [Extract Package](#) ArcGIS tool can provide additional output options.

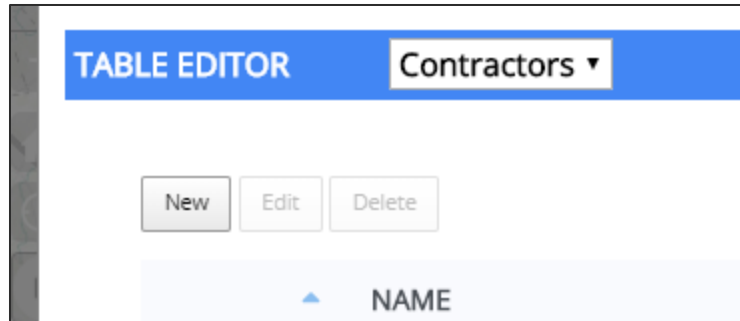


## CONTRACTOR TABLE

The ability to directly edit the Pavement Contractors table has been added. Launch this window from the tool on the main toolbar.

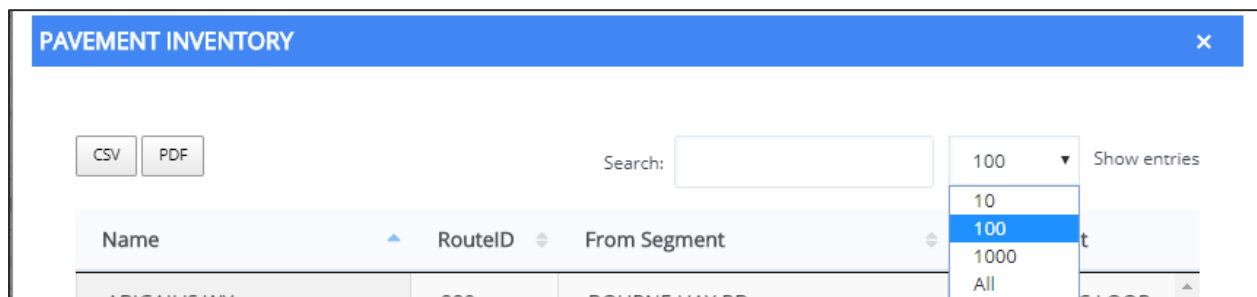






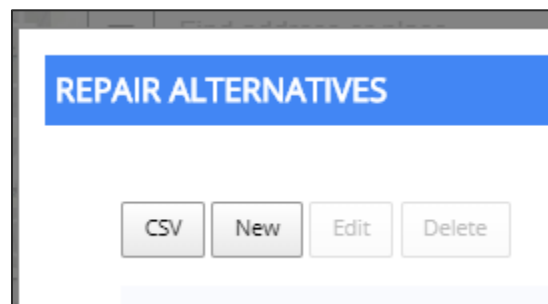
## IMPROVED TABLE PAGING OPTIONS

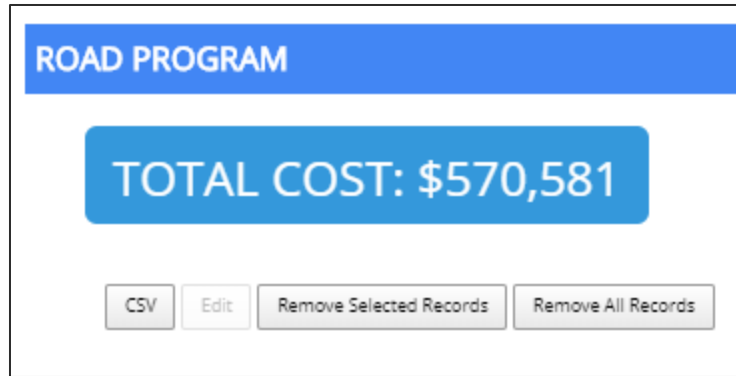
Options have been added for displaying the number of record in many of the table windows of the application.



## ADDITIONAL TABLE EXPORT OPTIONS

The ability to export comma delimited text files of the pavement repair alternatives and road program records has been added.





## USABILITY AND STABILITY FIXES

- Various usability and stability fixes have been added including
  - Many window usability updates
  - Auto-close of Pavement Scenario Windows when they lose

# VERSION 1.2 UPDATE

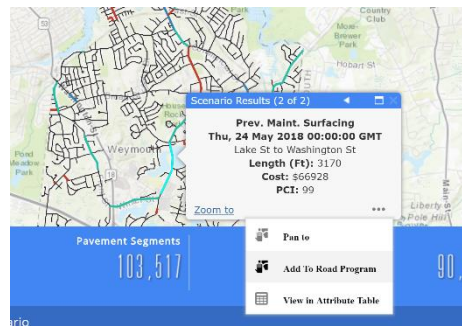
MAY 2018

## WHAT'S NEW IN VERSION 1.2?

- Pavement Road Program from Scenario Results
- Enhanced Layer Configurations
- New Pavement Report Types
- Stability and User Experience Fixes

## PAVEMENT ROAD PROGRAM FROM SCENARIO RESULTS

To add a scenario result's repair as an item of the current Road Program, simply click on the "Add To Road Program" option in the popup window for the scenario result of the segment. The repair information will be added to the Road Program table directly.



ROAD PROGRAM							
TOTAL COST: \$741,669							
<div>Remove Selected Records Remove All Records</div> <div>Search:</div>							
Street Segment	Date	PCI	Repair Alternative	Repaired PCI	Cost	Benefit	
<input type="checkbox"/> Liberty St FROM Union St TO Sharp St	3/10/2021	99	Reclaim (Art/Col)	99	584,194	0	
<input type="checkbox"/> Middle St FROM Broad St TO Lake St	4/10/2019	81	Prev. Maint. Surfacing	99	67,099	142	
<input type="checkbox"/> Winter St FROM 270' e of Main St TO 420' w of Winter Ct	5/24/2018	82	Prev. Maint. Surfacing	99	21,686	160	
<input type="checkbox"/> Pleasantview Ave FROM Chandler St TO Idlewell Blvd	5/24/2018	92	Routine Maint. (Crackseal)	98	1,762	82	
<input type="checkbox"/> Middle St FROM Lake St TO Washington St	5/24/2018	77	Prev. Maint. Surfacing	99	66,928	231	
Showing 1 to 5 of 5 entries							
<div>Previous 1 Next</div>							

## ENHANCED LAYER CONFIGURATIONS

To support the upcoming Stormwater Module release, the viewer can be configured to manage different layer times within the same site.

[Discharge Points: GIG LN](#)

[Discharge Points: GIG LN](#)

[Discharge Points: OLD SALT LN](#)

[Discharge Points: MARINERS LN](#)

[Storm Inlets: 4884](#)

[Storm Inlets: 4885](#)

[Storm Inlets: 4886](#)

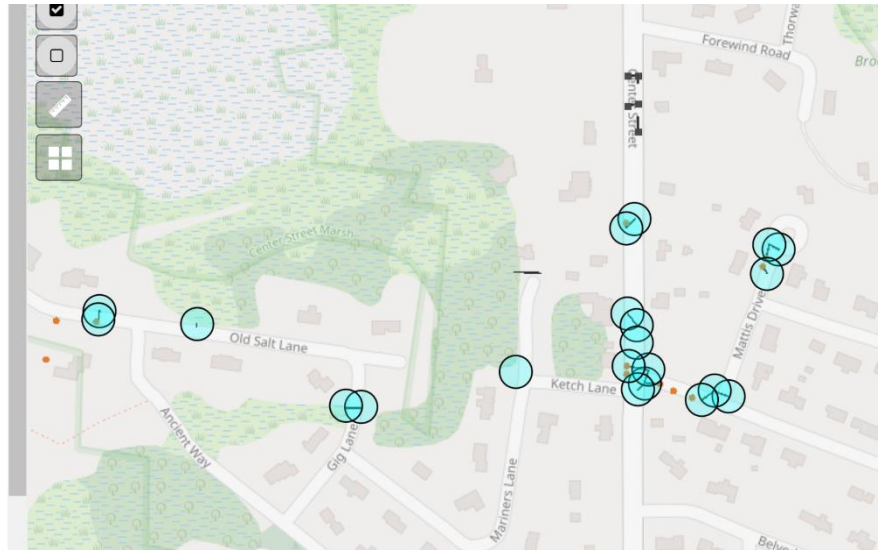
[Storm Inlets: 5066](#)

[Storm Inlets: 5067](#)

[Storm Inlets: 787](#)

[Storm Inlets: 788](#)

[Storm Inlets: 789](#)



## UPDATED PAVEMENT REPORTS

ROAD PROGRAM BY YEAR						
CSV	PDF	View On Map	Search:			
Name	From Segment	To Segment	Length (ft.)	Area (sq. yd.)	Current PCI	Repair Alternative
2017 (60 rows)						
ATKINS RD	RT 6A	CRESTVIEW DR	2,522	5,604	56	Reclaim Local
BUCKINGHAM DR	KENSINGTON DR	KINGS ROW RD	539	1,078	66	Reclaim Local
BUCKINGHAM DR	KINGS ROW RD	PICCADILLY RD	1,327	2,654	45	Reclaim Local
CARDINAL RD	ORIOLE LN	CUL DE SAC LOOP	1,766	3,924	47	Microsurface
CARDINAL RD	ORIOLE LN	CUL DE SAC LOOP	1,766	3,924	47	Microsurface
CASTLE LA	SHERWOOD LA	SHERWOOD LA	840	1,867	86	Microsurface
CHASE RD	70' N OF SERVICE RD	GREAT HILL RD	3,346	10,410	80	Microsurface
CHASE RD	OLD COUNTY RD	150' N OF RT 6	2,052	5,928	80	Microsurface
COURTLAND DR	QUAKER MEETINGHOUSE RD	DEAD END	1,129	2,760	82	Microsurface
CROWELL RD	833' W OF GULLY LN	CHIPMAN RD	627	1,672	79	Reclaim Local

Showing 1 to 63 of 63 entries

## ROAD PROGRAM

CSV PDF

Search:

From Segment	To Segment	Length (ft.)	Area (sq. yd)	Current PCI	Cost (\$)
Repair Year: 2017		103,602	270,515	71	2,860,503.15
Repair Alt: Microsurface		67,303	179,422	78	798,108.49
CARDINAL RD		3,532	7,848	47	35,314
ORIOLE LN	CUL DE SAC LOOP	1,766	3,924	47	17,657
ORIOLE LN	CUL DE SAC LOOP	1,766	3,924	47	17,657
CASTLE LA					
SHERWOOD LA	SHERWOOD LA	840	1,867	86	6,533.33
CHASE RD		5,398	16,338	80	73,520
OLD COUNTY RD	150' N OF RT 6	2,052	5,928	80	26,676

# VERSION 1.1 UPDATE

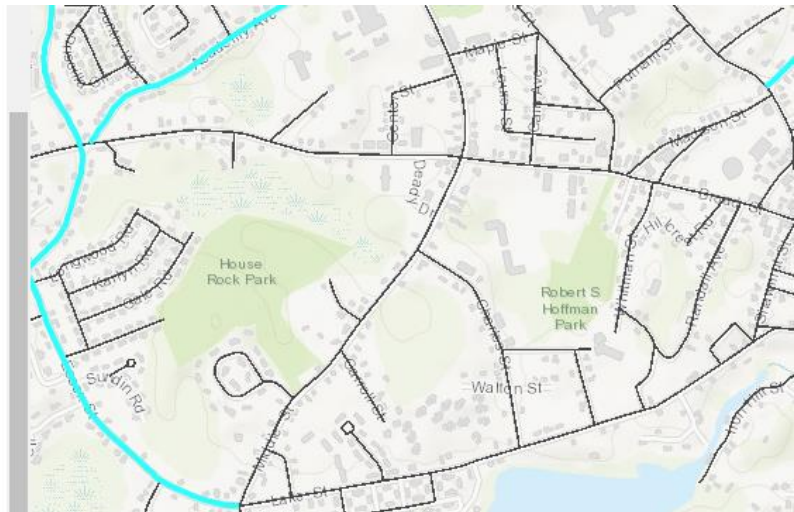
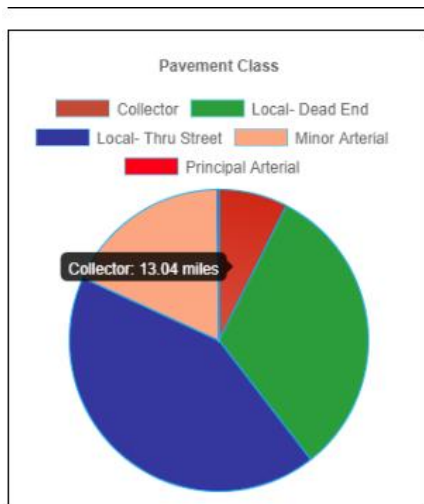
FEBRUARY 2018

## WHAT'S NEW IN VERSION 1.1?

- Chart Selections
- Report Filtering by Selection
- New Report Types
- Updated ThemeMap Layout
- Layout and Stability Updates
- Filtered Sets for Pavement Scenarios

## CHART SELECTIONS

Clicking on a Dashboard chart category will select corresponding features in the map. This can be a quick and easy way of finding records of a particular type. The records will be highlighted in the Collect and Query Results screens for further reporting and exploration.



46 SELECTED RECORDS



SAVE SET

Essex St: Spring St to 580' S Of Broad St

Wessagussett Rd: Hobamack Rd to Pecksuot Rd

Federal St: Front St to Washington St

River St: 100' N Of Regatta to Prospect Hill Dr

Essex St: 580' S Of Broad St to Broad St

River St: 305' E of Cliff St to End Of Town Rd

River St: Prospect Hill Dr to 305' E of Cliff St

King Ave: Washington St to 100' N Of Kensington Rd

Regatta Rd: River St to Baylee Rd

Essex St: 100' S Of Essex Heights Dr to Spring St

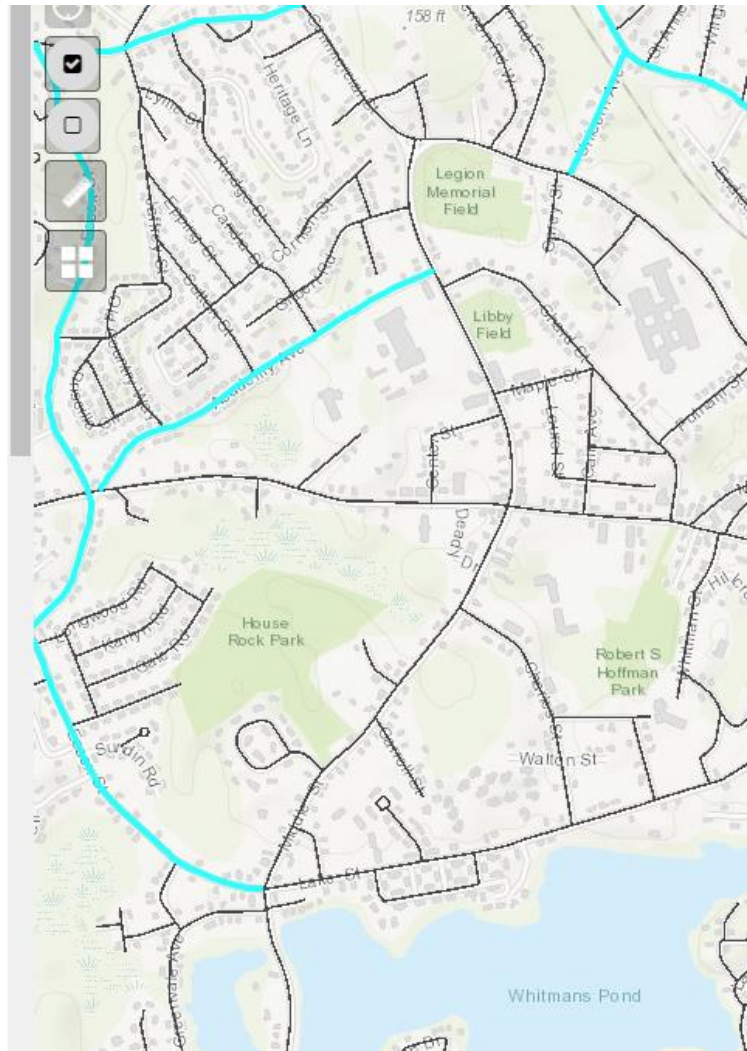
Essex St: Broad St to Commercial St

Sea St: Babcock Ave to Fore River Ave

Central St: Pleasant St to Chauncy St

North St: Bridge St to Seat St

Summer St:  
450' S Of G.N. Lewis Wy (Pvt) to 215' S Of Autumn  
Ln



## REPORT FILTERING BY SELECTION

Reports such as Inventory and Repair History will honor the current record selection and will include results only for those records. By selecting features first from the map, from a query, or directly from a chart category, you can quickly isolate the records to including in a report, for example, an inventory of all Collector street segments.

The screenshot displays the software interface with the Query Builder panel open on the left and the Pavement Inventory report on the right.

**Query Builder Panel:**

- Buttons: Dashboard, Analyze, Collect, Query.
- Section: SELECT ASSETS
- Available Asset Queries: 46 Current Map Selection
- Search: [magnifying glass icon]
- Available Asset Queries list:
  - Pavement Type: Bituminous Concrete
  - Pavement Type: Surface Treated
  - Pavement Type: Composite
  - Pavement Type: Gravel
  - Pavement Type: Portland Cement Concrete
  - Pavement Class: Local Dead End
  - Pavement Class: Local Thru Street
  - Pavement Class: Major/Minor Arterials
  - Pavement Class: Major/Minor Collector
- Buttons: Open the Query Builder Panel, Query Builder
- Buttons: PAVEMENT INVENTORY, ROAD PROGRAM

**Pavement Inventory Report:**

- Buttons: CSV, PDF
- Search: [input field]
- Table:

Name	From Segment	To Segment
Academy Ave	Middle St	Broad St
Broad St	Summer St	Washingto
Central St	Pleasant St	Chauncy S
Central St	Camelot Wy	Russel Rd
Central St	Russel Rd	Union St
Commercial St	225' W Of Church St	North St
Derby St	Pond St	Main St
East St	North St	Green St
East St	Green St	Unicorn Av
East St	Unicorn Ave	Commerci

Showing 1 to 10 of 46 entries



## NEW REPORT TYPES

Included in this update is a new Road Program report which will group and summarize similar repair types for each year in your current Road Program.

ROAD PROGRAM					
<div> <div>CSV</div> <div>PDF</div> </div>		<div>Search: <input type="text"/></div>			
From Segment	To Segment	Length (ft)	Area (sq. yd)	Current PCI	Cost
<b>Repair Year: 2014</b>		<b>25,479</b>	<b>75,389</b>	<b>58</b>	<b>2,841,093</b>
<b>Repair Alt: Reclaim (Art/Col)</b>		<b>20,862</b>	<b>63,077</b>	<b>59</b>	<b>2,539,349</b>
<i>Central St</i>					
Russel Rd	Union St	2,318	6,439	60	259,236
<i>Essex St</i>					
Broad St	Commercial St	3,581	8,754	52	352,416
<i>Front St</i>		<b>3,791</b>	<b>13,218</b>	<b>64</b>	<b>532,124</b>
150' n of Homestead Av	Sportsmans Way	2,046	6,820	66	274,543
Windsor Rd	West St	1,745	6,398	61	257,581
<i>Hollis St</i>					
Pond St	Randolph St	1,999	6,441	60	259,308
<i>Pine St</i>					
Ellis Cir (N)	50' S Of Tilden Rd (S)	1,915	5,745	62	231,231
<i>River St</i>					
100' N Of Regatta	Prospect Hill Dr	1,779	6,325	63	254,671
<i>Summer St</i>		<b>5,479</b>	<b>16,155</b>	<b>52</b>	<b>650,363</b>
Front St	Federal St	2,808	8,736	49	351,727
215' S Of Autumn Ln	West St	2,671	7,419	55	298,636
<b>Repair Alt: Reclaim (Local)</b>		<b>4,617</b>	<b>12,312</b>	<b>52</b>	<b>301,744</b>
<i>Randolph St</i>					

Existing reports such as the Distress History report have been updated with similar grouping and formatting.

## DISTRESS HISTORY REPORT


[CSV](#)
[PDF](#)

Search:

### Academy Ave

From Middle St to Broad St

 Segment Length:  
3,049 ft.

<i>Survey Done on:</i> 1/20/2017	<i>By:</i> AMB	<i>PCI:</i> 73
Block Cracking	Medium	2) 5% - 50%
Ravelling	Heavy	Localized
Potholes & Non-Utility Pat	Light	1) 0% - 1%
Transverse & Long. Cracking	Medium	3) 50% - 75%
Distortion	Light	1) 0% - 1%
Alligator Cracking	Medium	1) 0% - 1%
<i>Survey Done on:</i> 1/20/2017	<i>By:</i> VHB-AMB	<i>PCI:</i> 73
Transverse & Long. Cracking	Light	2) 5% - 50%
Block Cracking	Light	1) 0% - 5%
Alligator Cracking	Light	1) 0% - 1%

### Broad St

From Summer St to Washington St

 Segment Length:  
1,287.6 ft.

<i>Survey Done on:</i> 1/18/2017	<i>By:</i> VHB-AMB	<i>PCI:</i> 71
Alligator Cracking	Medium	1) 0% - 1%

Showing 1 to 10 of 396 entries

&lt; Previous

1

2

3

4

5

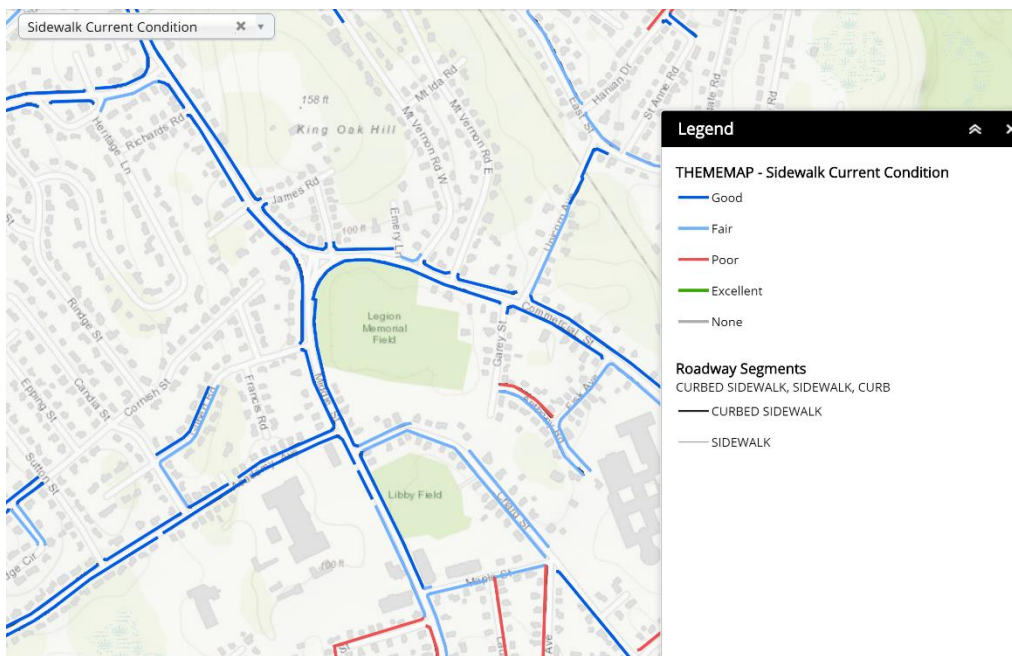
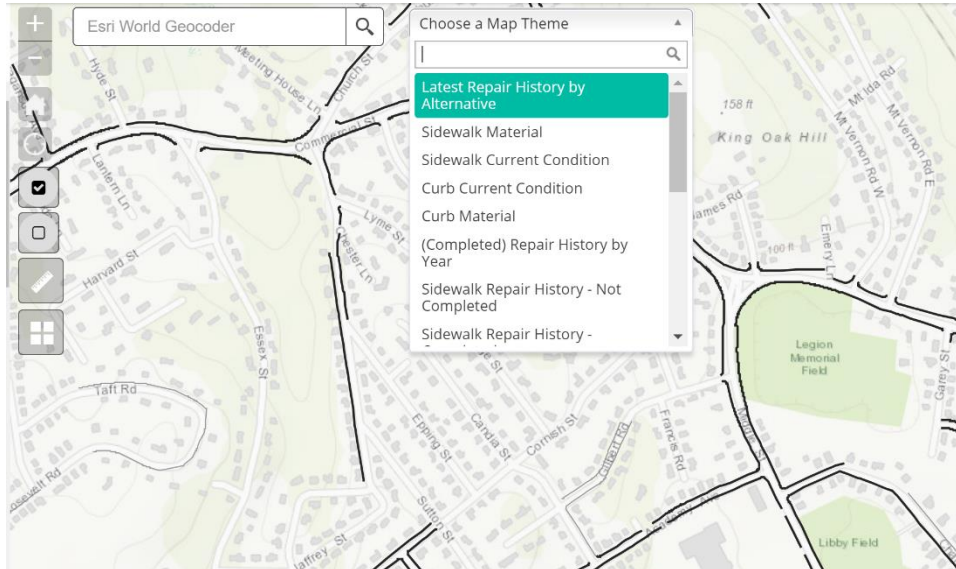
...

40

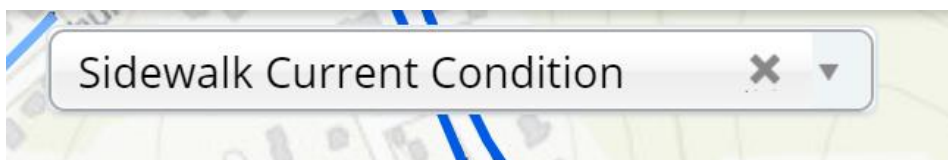
Next &gt;

## UPDATED MAP THEME LAYOUT

Easily find and select a theme for the map using the new Map Theme dropdown. Always know what theme is currently being displayed if any, and quickly toggle the Map Theme off.



You can remove the chosen theme by clicking the "x" on the Theme-Map chooser.

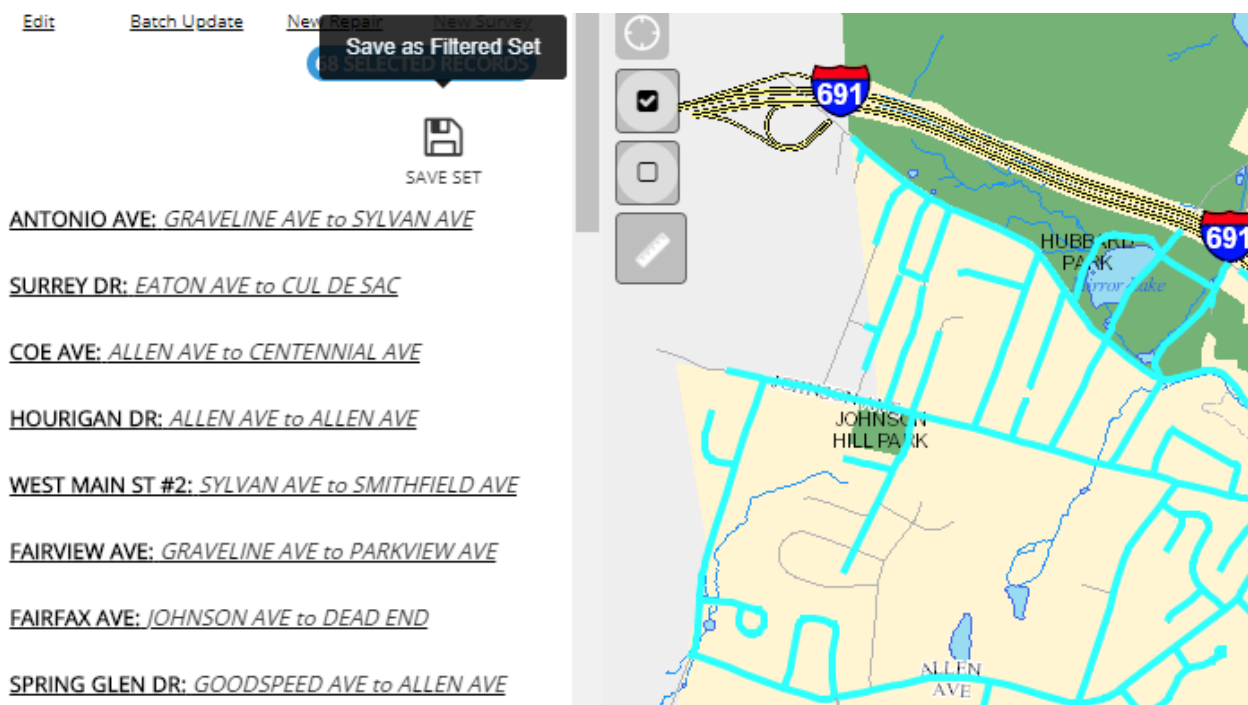


## LAYOUT AND STABILITY UPDATES

Numerous layout styling enhancements and stability fixes have been addressed.

## FILTERED SETS FOR PAVEMENT SCENARIOS

To easily setup a filter to limit target records in a Pavement Scenario, use the Save Set command to quickly calculate the IsFiltered property for all selected records.



When generating a new scenario, or modifying an existing one, you can designate the IsFiltered option in the Selection dropdown. This option will ensure that only those specific records will be considered in the Scenario analysis.

## SCENARIO BUILDER

Name

New Scenario

Scenario Type

☒ Limited Budget ☐ Backlog

Starting Budget Date



2/12/2018

Budget Inflation

-

0.00

%

+

Selection

Is Filtered

Starting Budget

-

\$

100000

+

Include Road Program Projects

NO

Generate Budget

Clear Budget

## ADDITIONAL INFORMATION

Log on: <https://samis.vhb.com>

Help: <https://samis.vhb.com/viewer/help>

Product Page: <http://www.samisbyvhb.com>

Customer Support and Contact Email: [samis@vhb.com](mailto:samis@vhb.com)

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Customer Support and Contact Email: [samis@vhb.com](mailto:samis@vhb.com)