

VT On-Line Bridge & Culvert Inventories (VOBCIT)

- Benefits of Inventory
- Updates & Improvements
- Status of Local Inventories



Senate Transportation Committee
February 12, 2015

Joe Segale, P.E./PTP
VTrans Policy, Planning & Research Bureau Director

Needs and Benefits: Local Road Bridge & Culvert Inventories

- VTrans does not inspect TH bridges with spans less than 20 feet or any TH culverts
- TH inventories required to receive reduce local match for TH Structures Grants
- Supports local capital programs and budget
 - Identify & Prioritize Investments

2001: VOBCIT is born.

In the Beginning Two Systems

VERMONT Online Bridge & Culvert Inventory Tool

Vermont.gov *Pop-Up Blockers must be disabled to use this Site. Logout Home Contact Us Search

Add Structure
View/Update Structure
Check Out
Check In
Reports
Download Report DB

Related Links
Town Highway Maps
VCGI
Data Exchange Standard
Data FAQ
VT ANR Reports
Manual

Welcome to the Vermont Online Bridge & Culvert Inventory Tool (VOBCIT)!

Here you will find a user friendly application to enter your bridge and culvert data for structures owned by communities in Vermont. The Vermont Agency of Transportation was directed by the Vermont Legislature to complete and deploy an integrated software product to handle data entry, access and status reporting of town bridge and culvert inventories currently collected by regional planning commissions (RPCs), the metropolitan planning organization, towns and their contractors. This software product conforms to the specifications defined in the VGIS Bridge and Culvert Data Exchange Standard (VGIS Handbook: Part 2- Standards- Section H). All town bridge and culvert inventory data which has been previously collected and submitted through VCGI is currently located in the system. All bridge and culvert data that adheres to the standard may be entered into this application.

Road Foreman's Computer.

Town Culvert Report

Culvert #: 1538

Location:

Lat: 33.343

King: 7390

VOBCIT Data:

This structure is looking great.
The concrete is sound.
The steel is sound.

ANR Data:

This structure is only 50% of bankfull width.
The outlet is perched.
There is deposition upstream of the inlet.

2004: ANR develops
Separate System

VERMONT Stream Geomorphic Assessment
Agency of Natural Resources

Vermont.gov home projects datasets staff log out

Home
Instructions
Protocol
Personnel
SGA Map Site
Final Reports

Stream Geomorphic Assessment Data Management System

Welcome to the Vermont Stream Geomorphic Assessment data management system (SGA-DMS).

This site was developed to allow for efficient data entry and retrieval of Vermont Stream Geomorphic data. We hope you find this a useful tool, and we welcome your feedback.

Please read the [DMS instructions](#) prior to entering any data. Data must be entered in the order described in the instructions. Any deviation from the process could result in errors. To ensure the accuracy of the data entered into the SGA-DMS, there are several QA checks built into the DMS.

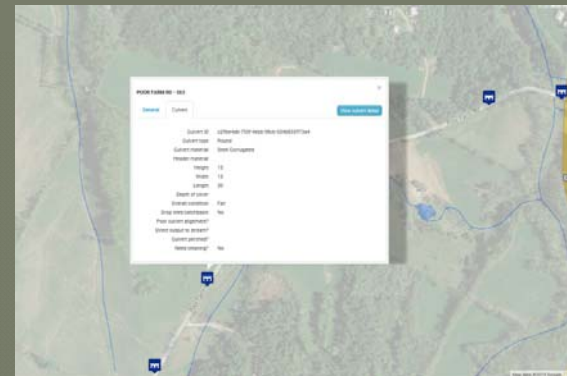
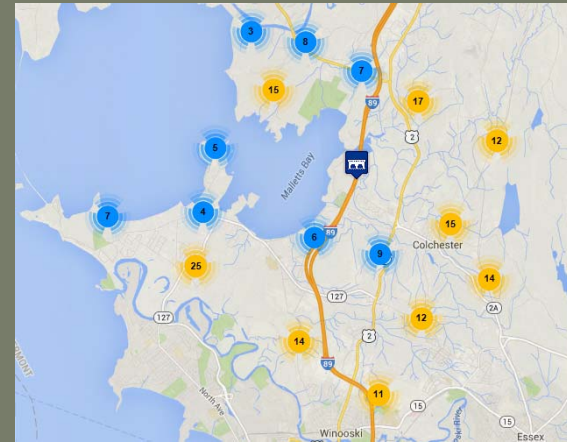
VT DEC Vermont.gov

Vermont Stream Geomorphic Assessment
Appendix G

Bridge and Culvert Assessment

2013 Update to VOBCIT

- Updated software
- Added mapping capabilities
- Shifted management of software to RPCs
- Tool to integrate ANR, Local and other Inventories



2015 VOBCIT Update

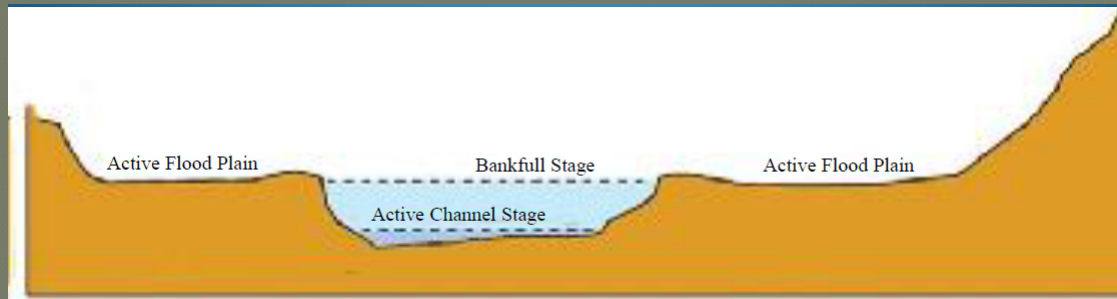
○ Prioritization Tool

- Flood resilience
 - Bankfull width adequacy
- Road Importance

○ Remove Final Data Integration Barriers

Spans or Widths Less Than 80% Bankfull Width

County	Town Culverts (1.5 to 6 ft)		Short Structures (6 to 20 ft span)	
	Number	% of Total	Number	% of Total
Washington	887	42%	87	49%
Windham	1,083	35%	75	26%
Windsor	1,371	38%	157	22%
Grand Total	3,341	38%	319	27%

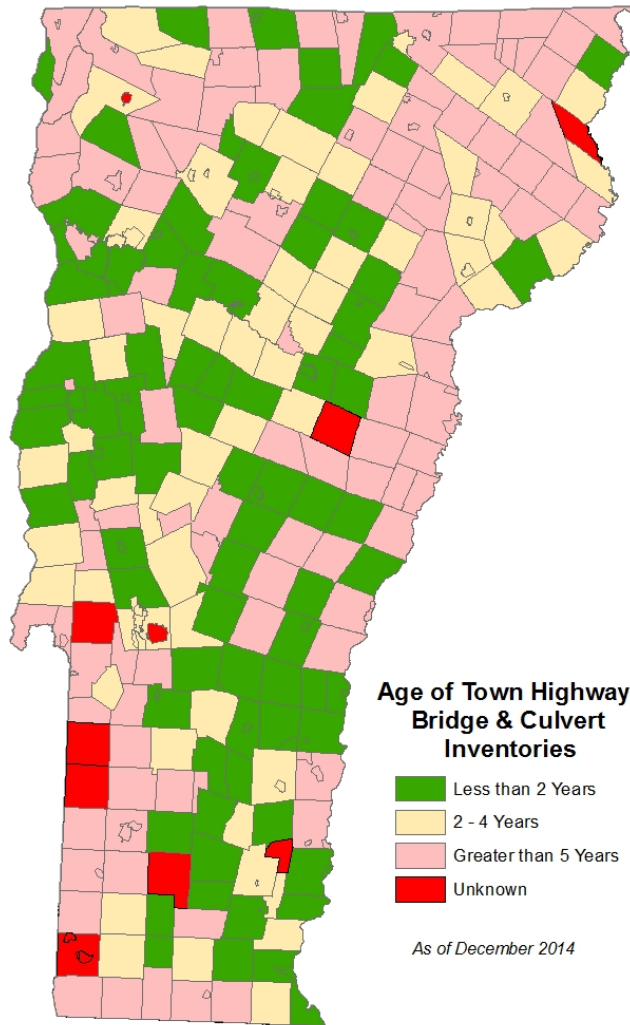


TH Inventory Status

As of December 2014

~ 98,000 culverts

~ 2,700 bridges



Inventory Age	Number of Towns	Percentage of Towns
Less than 2 years	81	32%
2 to 4	72	28%
Greater than 5	91	36%
Unknown	11	4%
Total	255	

Inventory Conducted By:	Number of Towns	Percentage of Towns
Consultant	95	37%
Town	65	25%
RPC	89	35%
Unknown	6	2%
Total	255	