

INVENTORY AND MAPPING OF STRUCTURAL CONDITIONS

The purpose of the “Pipe Inventory” is to create the initial analysis along with a database of all culverts crossing highways/streets within each participating municipality. Southern Tier West assisted municipalities in collecting GPS data as well as structural conditions to create the initial file on culverts.

The “Pipe Inventory” system creates an ongoing historical record. There are several important uses of this historical record including:

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- ~ Informing new highway officials of what has been accomplished in the past and what needs to be accomplished in the future
 - ~ provide an understanding as to the practices that are successful
 - ~ Provide an improvement/replacement schedule for future budget planning
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The most important use of this record is to ultimately assist municipalities with documentation after a FEMA declaration both for funding and resulting damages as a result of the disaster. In addition, this data will assist with documentation for FEMA Hazard Mitigation funding which is available to all municipalities following any Presidential FEMA declared disaster within New York State. This documentation is also an important component in helping create future Hazard Mitigation Plans that are now mandatory in order to participate in any Hazard Mitigation funding opportunity. The “Pipe Inventory” is a key element of asset management that will help lead to safer, more efficient and cost-effective practices for taxpayers.

To conduct the Inventory, an evaluation sheet is completed on a yearly basis to identify deteriorating structures or pertinent issues. The evaluation can be completed either electronically or by hand. A data collection aid and was created for municipal use. Southern Tier West can assist in maintaining this inventory of conditions by utilizing those evaluation sheets.

In 2014, Southern Tier West assisted the following municipalities in completing a “Pipe Inventory”:

Allegany County: Town of Angelica – 152 culverts; Village of Alfred – 13 culverts

Cattaraugus County: Town of East Otto – 212 culverts; Town of Mansfield – 173 culverts; Town of Dayton – 79 culverts

Chautauqua County: Town of Ellery – 322 culverts; Town of Stockton – in progress
