N.H. S.A.D.E.S.

NEW HAMPSHIRE’S
STATEWIDE ASSET DATA EXCHANGE SYSTEM
WHAT IS THE STATEWIDE ASSET DATA EXCHANGE SYSTEM (SADES)...

“SADES establishes a primary transportation inventory of assets including a maintainable condition assessment process for many state and local agencies.

Its unique approach to statewide asset management efficiently utilizes modern technology and joins efforts for the common good of accurate and sustainable data collection.”

- Source: sades.com/about
How SADES Works…

Advancements in technology and software make it possible to efficiently collect and manage asset data with tools that are easy to use for any agency.

ESRI (a geographic information system company) software, ArcDesktop and ArcOnline, allows anyone with a smartphone or tablet to have access to a database for quick and mobile management and input of data.
SADES IS A PARTNERSHIP OF

New Hampshire DOT
Department of Transportation

NHDES

NHARPC

NH FISH AND GAME

NEW HAMPSHIRE DEPARTMENT OF SAFETY

University of New Hampshire

T2
New Hampshire Technology Transfer Center
SADES IS MANAGED BY THE UNH TECHNOLOGY TRANSFER CENTER (T2)
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T2 PROVIDES ASSISTANCE TO REGIONAL PLANNING COMMISSIONS THROUGH SADES

1. Software and Hardware
2. Data Collection Protocol
3. Database Management
4. Data Access and Sharing
5. Technical Assistance
6. Protocol Training
### SADES DATA COLLECTION PRODUCTS CURRENTLY AVAILABLE THROUGH SOUTHERN NEW HAMPSHIRE PLANNING COMMISSION

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<th>Steam Crossings</th>
<th>Road Surface Management</th>
<th>Pedestrian Infrastructure</th>
<th>Closed Drainage Systems</th>
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<tbody>
<tr>
<td>Over 13,000 Assessments</td>
<td>1,584 Miles of Locally Assessed</td>
<td>4,000 Sidewalks &amp; 2,300 Crosswalks</td>
<td>More Than 40k Pipes Assessed</td>
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STREAM CROSSINGS AT A GLANCE...

SNHPC staff conduct field assessments to document structure and condition of select stream crossings in your town.

Data collected is then added to the state-wide stream crossings map for access and use in asset management and planning activities.

SNHPC staff can also provide towns with stream crossing detail sheets and condition reports.
SNHPC works with town engineer / road agent to identify stream crossings where data is needed.

SNHPC staff use the SADES protocol to collect data using ArcGIS Online at the site of the stream crossing.

NHGS conducts a quality control check of the data to ensure accuracy.

NHGS adds collected data to the shared SADES stream crossing GIS map for local use and reference.

SNHPC develops a report for use by towns as desired.
SNHPC has the capacity to collect stream crossing data between June and September. SNHPC can collect field data for approximately 60 crossing per season.
SNHPC has the capacity to conduct a windshield survey of pavement conditions of all town maintained roads.

Road conditions are uploaded into the statewide RSMS software to generate a report of possible repair strategies and prioritization of maintenance.

Road conditions are documented in quarter mile segments.

SNHPC meet with town staff for a closeout discussion of results and to answer any questions the town may have about the data.
Crocodile Cracking…

What is that!
SNHPC can collect approximately 10 miles of road condition data per day.

RSMS projects take between six to nine months to complete.

For municipalities with an interest in conducting an RSMS assessment, please contact:

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Phone: (603) 669-4664
PEDESTRIAN INFRASTRUCTURE

- Sidewalks, Curbs, Ramps,
  & Crosswalks

CLOSED DRAINAGE SYSTEMS

- Inlets, Outlets, Pipes,
  & Drainage Structures
Engage SNHPC

Member community approaches SNHPC with a request for field data collection.

Develop Scope

SNHPC works with member community to define a scope of work for data collection.

Data Collection

SNHPC staff collect field data according to SADES protocol.

GIS Data Formatting

Data collected in GIS is formatted for use by member community (I.E. for planning, maintenance).

Reporting & Data Mgmt.

SNHPC and Member community review results and determine if job is complete or if additional scope of work is desired.
Questions?

Contact **James Vayo**
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