Assets, Maps & Data
~ for transportation ~

Nate Kane
Director, GIS Services - Results & Information Office

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Director, Maine Local Roads Center MaineDOT
A very special message from Pete

I REALLY wanted to be here today, but my 5th and final child is graduating from college tomorrow. We found out she is receiving special recognition today so we had to be there in MA.
Resources for Managing Infrastructure

- Road Management Software (RSMS)
- DOT’s Inventory of Local Roads
- DOT Inventory Applications
- Maine Stream Habitat Viewer
- Culvert Bond Grant
- MaineDOT’s Online Map Viewer
If any of this does not please you...

...contact:

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RSMS software

- Software to manage local road capital repairs and maintenance
- Uses road conditions to determine repairs
- MANY towns in Maine & other states have used it - even internationally!
- Manages roads and traffic signs
- Easy to use.... low cost...powerful
Local Road Inventory is Important

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Inventory and Condition Assessment
Asset Management Process

Goals & Objectives

Analysis of Options and Tradeoffs
  Preservation, Operations, Capacity Expansions

Decision-Making & Resource Allocation

Implementation & Program Delivery

Monitoring & Performance Measures

Policies

Budgets

Expectations
Assets Currently Maintained

- Highway
- Bridge
- Airport
- Ports
- Railroad Lines & Crossings
- Large & Cross Culverts
- Traffic Signals & Beacons
- Ancillary Structures
- Catch Basins
- Park and Ride Lots
- Major Signs
- Guardrail
- Ferry Service Vessels and Buildings
- Intelligent Transportation Systems
- Pavement Markings
- Etc. & More Underway

Data-Driven Decisions
Maine Stream Habitat Viewer

https://webapps2.cgis-solutions.com/MaineStreamViewer
State Culvert Bond Grant Program

- Bond Funded - $5 million to upgrade crossings
- Administered by Maine DEP
- Only for municipalities
- Two competitive rounds – April and fall 2019
- Up to $95,000/crossing; reimbursement funds
- Competitive – dependent on natural resources and public safety; requires matching funds
- RFP open now – April 9 through June 3, 2019

For more information on the Viewer or the Grant Program, contact Sarah Haggerty at shaggerty@maineaudubon.org or (207) 781-2330 x225


Brownfield – Before
Brownfield – After

2014 Water Bond Projects
Assets Currently Maintained

- Highway
- Bridge
- Airport
- Ports
- Railroad Lines & Crossings
- Large & Cross Culverts
- Traffic Signals & Beacons
- Ancillary Structures
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- Park and Ride Lots
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Data-Driven Decisions
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- Goals & Objectives
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- Monitoring & Performance Measures

Policies
Budgets
Expectations
Asset Management Funding Strategies

Condition CSL by Year - $70M/Yr

Remaining HCP 1 - Annual Funding Needed: $22M
To Keep the Average Condition Steady

Condition CSL by Year - $140M/Yr

Remaining HCP 1 - Annual Life Cycle Cost: $22M
Resource: Maine GeoLibrary

For Program Information:
Claire Kiedrowski
Executive Director
Claire.Kiedrowski@maine.gov
Cell: (207) 266-7087

- Collective data acquisition
- Long-term data storage and access
- Save significantly on costs
- Pool resources with other entities
MaineDOT GIS

- Data Integration
- Data indexing, modeling & referencing
- Communications – Internal and External
- Analysis and Decision-Making
- Reporting
Mapped and Available to Public

mainedot.gov/mapviewer