MassDOT, MassWildlife & MassDER: Partnering for Resilient Infrastructure and Ecosystems

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Presentation Overview

- Tim – Partnering highlights
- Dave – MassWildlife and MassDOT: A model for early coordination and enhanced project planning
- Carrie – Building Municipal Capacity and Flood-Resilient, Fish-Friendly Structures
Moose Crossing Awareness

MassDOT and MassWildlife remind drivers to be alert for wildlife on the road

by: MassDOT
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The Massachusetts Department of Transportation (MassDOT) and the Massachusetts Department of Fisheries and Wildlife (MassWildlife) are reminding motorists to be cautious and alert for wildlife crossing or alongside roadways during this time of year. Motorists are advised to slow down and avoid swerving if they encounter wildlife in the vicinity of roadways.
Turtle Barriers & Crossing Structures
ROW Habitat Management
Peregrine Falcon Nest Boxes on Bridges
Gillis Bridge, Newburyport

April 29, 2020 11:00 AM
3 Eggs
Denning bear family relocated from highway median

On March 14, MassWildlife, with the assistance of MassDOT and law enforcement officials, relocated a black bear with two cubs that had denned on a highway median strip along Route 2 in Templeton.
Massachusetts Rivers & Roads Training

Using Fluvial Geomorphology (FGM) to Reduce Conflicts Between Transportation Assets and Rivers
Problem: The Importance of River Morphology Is Not Understood
Train transportation sector on best practices.

- Ex: natural streambed material over riprap scour protection
MassDOT Highway Districts

**District 1**
- Tier 2A: 10/23/2018
- Tier 2B: 7/24/2019

**District 2**
- Tier 2A: 10/24/2018
- Tier 2B: 7/30/2019

**District 3**
- Tier 2A: 7/15/2019
- Tier 2B: 7/16/2019

**District 4**
- Tier 2A: 7/30/2019
- Tier 2B: 8/20/2019

**District 5**
- Tier 2A: 7/29/2019
- Tier 2B: 8/21/2019

**District 6**
- Tier 2A: 7/10/2019

**Pilot**
- Tier 2A: 10/9/2019

**Municipal Tier 2A**
- Deerfield: 6/5/2019
- Middleborough: 11/13/2019
- Westford: 11/14/2019
- Westborough: 11/19/2019
- Westfield: 11/20/2019
- Lanesboro: 11/21/2019

**= Tier 2A Classroom Training Location**

**= Tier 2B Field Training Site**
Rivers & Roads Training Overview

• Tier 1: Online Course to Introduce the fundamentals of fluvial geomorphology

• Tier 2: One-Day Course for Advance understanding of fluvial geomorphology
  – Tier 2A: Classroom session that includes a flume exercise
  – Tier 2B: One-day field trip

• Tier 3: One-Day Subject Matter Courses to Enable project implementation
Tier 2A River Flume Trainings

Example of undersized culvert demonstration
Project Implementation Sites
Rivers & Roads Training Next Steps:

- Online training content
  - Webinar trainings (Tier 2A & 3)
  - Video mini-series of Tier 2B field exercises
- Continue partnerships