BSC GROUP

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Nature-Based Solutions Implementation Resource Guide

Nature-based Solution (NbS): Species Crossing Protections

Project Number per matrix: **20**

PREREQUISITES

- Coordination with funder (e.g., MA MVP), if applicable.
- Obtain approval of Town or City Conservation Commission.
- Involve DPW and/or MA DOT for state routes.
- Consultat the Manual on Uniform Traffic Control Devices (MUTCD).

RECOMMENDED IMPLEMENTATION STEPS

- **Project Planning and Administration**
  - Coordinate marking signage and features with specific context or associated species conservation.
  - Ensure project budgets and contracts with private companies include sufficient retainage for coordination costs and oversight.
- **NbS Installation**
  - For wildlife tunnel scope, see MSCS Culvert Improvements for comparable scope.
  - Install signage, pavement markings, and audible notice pavement markings.
    - Requires partial street closing and may include police detail.
    - No intentional soil disruption or significant excavation beyond that necessary to install enhancements.
    - Installation through volunteer efforts may be possible but typically requires private contractors for footings.
- **Maintenance**
  - General annual maintenance for constructed features.

NATURE-BASED SOLUTION SPECS

- Typical project size: Variable; it can range from simple signage for awareness to fence and tunnel systems.

BUDGET ESTIMATE

- Typical project budget (order of magnitude): N/A
- Use the BSC Group Nature-based Solutions budget tool to develop more detailed concept budgets.

SCHEDULE ESTIMATE

- Variable dependent on scope