MaineDOT has 2 projects that include new highways on new location. We reviewed existing structures, some intentionally installed and some are existing culverts and bridges.
MaineDOT Wildlife Passage Planning using past Experience

Monitoring structures throughout the MaineDOT Transportation infrastructure

This will recap what strategies MaineDOT has used and what we be planning for future projects
MaineDOT has found that crossings fall into a variety of different categories

1. Bridges
   a. Fenced
   b. Unfenced

2. Large culverts
   a. Fenced
   b. Unfenced

3. Small culverts
Use of Wildlife Underpasses

- New 2 lane highway built north of Caribou.
- Mostly in farm fields

- Longer bridge overpasses
- A 2.4 m (8 foot) fence was installed 0.8 km (0.5 mile)
1. Bridges
   1. Fenced
   2. Unfenced
2. Large culverts
   a. Fenced
Use of Wildlife Underpasses
Gorham, Maine
Longer bridge overpasses
1. Bridges
   1. Fenced
   2. Unfenced
2. Large culverts
   a. Fenced
   b. Unfenced
Caribou Box culvert – Mixed use at trail head
(High use by snow machines and ATVs-
Ellsworth

1. Bridges
   1. Fenced
   2. Unfenced

2. Large culverts
1. Bridges
   1. Fenced
   2. Unfenced
Fenced Culverts

MaineDOT has installed for various crossings, from 48 to 96 inches in diameter. The target species for these are medium to small animals, size of a black bear and smaller.
1. Large culverts
   a. Fenced
   b. Unfenced
## Caribou

1. **Large culverts**
   a. **Fenced**

### Species Observed

<table>
<thead>
<tr>
<th>Black Bear</th>
<th>Weasel</th>
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<tbody>
<tr>
<td>Canada lynx</td>
<td>White tail deer</td>
</tr>
<tr>
<td>Coyote</td>
<td>Woodchuck</td>
</tr>
<tr>
<td>Domestic Cat</td>
<td></td>
</tr>
<tr>
<td>Domestic dog</td>
<td></td>
</tr>
<tr>
<td>Chipmunk</td>
<td></td>
</tr>
<tr>
<td>Fox</td>
<td></td>
</tr>
<tr>
<td>Fisher</td>
<td></td>
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<tr>
<td>Pine Martin</td>
<td></td>
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<tr>
<td>Raccoon</td>
<td></td>
</tr>
<tr>
<td>Skunk</td>
<td></td>
</tr>
</tbody>
</table>
1. Large culverts
   a. Fenced
   b. Unfenced
Integrity - Competence - Service

1. Large culverts
   a. Fenced
   b. Unfenced
2. Small culverts
Caribou

- 1.4 (54 inch) high culvert with concrete pad as shelf (Cameras at each end have shown through passage)
Caribou

- 1.2 (48 inch) round culvert use by large and small
Caribou

- 1.2 m (48 inch) round culvert use by large and small
Caribou

- 1.4 (54 inch) high culvert with concrete pad as shelf winter use (Cameras at each end have shown through passage)
Caribou

Not meant for moose
Attempts to get over 8 foot fence
Caribou in Caribou
Observed attempts to get over 8 foot fence
Caribou in Caribou Photos are 2 minutes apart
Use of Wildlife Underpasses
Dixfield, Maine
1.2 m (40 inch) Culvert that are overflow culverts for a brook
Dry
Un-fenced
Use of Wildlife Culverts
Dixfield, Maine
Use of Wildlife Culverts
Dixfield, Maine

- Species observed:
  - Mink
  - Weasel
  - Raccoon
  - Skunk
  - Chipmunk
  - Mouse
  - Shrew
  - Yellow belly snake
  - Un-identified Bird
  - Groundhog
  - House cat
Use of Wildlife Culverts
Dixfield, Maine
Use of Wildlife Culverts
Dixfield, Maine
Use of Unfenced Culverts
Small Culverts (18 to 24 inches), Southern Maine,
Use of Unfenced Culverts
Southern Maine, Maine

- Species observed (incomplete)
- Chipmunk
- Groundhog.
- Virginia possum
- New England Cottontail
- Red Fox
- Coyote
Use of Small Culverts
Southern Maine,
Use of Culverts
Southern Maine, Maine
Presque Isle Bypass Segment 1, Phase 2 Location and landcover map

North end

South End

Legend
SymbolID
- Bypass alignment
- MEDOT:E911
- Township Boundaries DISSOLVE

0 0.5 1 2 Miles

Presque Isle Bypass area
Presque Isle Bypass Segment 1, Phase 2 Location and landcover map

Presque Isle Bypass area