**TOWN OF ROLLINSFORD**

Map 6: Roads and Transportation Assets

**Sea-Level Rise + Storm Surge 1.7', 4.0', 6.3'**

---

### Base Features
- **Road Name**
- **Road Class**
- **Miles Impacted**

<table>
<thead>
<tr>
<th>Road Name</th>
<th>Road Class</th>
<th>Miles Impacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private</td>
<td>Class V</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>Class III</td>
<td>0.21</td>
</tr>
<tr>
<td></td>
<td>State Aid</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td>Rivers and Streams</td>
<td>0.12</td>
</tr>
<tr>
<td></td>
<td>Waterbodies</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td>Municipal Boundaries</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### Other Transportation Asset Impacts: Town of Rollinsford

**Metric Impact**

- 0.00

**Note:** Total miles impacted per road were calculated using the greatest extent of sea-level rise (6.3') + storm surge.

---

**SLR Legend**

- Roads impacted by 6.3' + Storm Surge
- Roads impacted by 4.0' + Storm Surge
- Roads impacted by 1.7' + Storm Surge
- Improvements made high flood line level

---

**Approximate Mean High Water Level**

- 1 inch = 423 feet

---

**Data Sources:**

- State & Municipal Roadways (miles)
- Total Road Miles

---

**Total Number of Impacted Assets**

- 0

---

**Under Section 309 of the CZMA**

- The Climate Risk in the Seacoast: Assessing Vulnerability of Municipal Assets and Resources to Climate Change (C-RiSe) project provides maps and assessments of flood impacts to infrastructure and natural resources in the coastal Great Bay region associated with projected increases in storm surge, sea level, and precipitation.

---

**Disclaimer:**

- The C-RiSe project is funded by the Coastal Zone Management Act (CZMA) under the Coastal Zone Management grants program. The purpose of the CZMA is to identify and correct errors in the data. Neither OEP nor ERC make any claim as to the validity or reliability of the data sets.

---

**Contributors:**

- Earth Systems Research Center (ESRC)
- New Hampshire Department of Transportation

---

**C-RiSe Project Information:**

- **Address:** 150 W. Wakefield St., Suite 12, Rochester, NH 03867
- **Telephone:** (603) 994-3500
- **Email:** spc@strafford.org

---

**Date:** December 2015

---

**Map 6: Roads and Transportation Assets**

- Roads impacted by SLR of 6.3' with Storm Surge
- Roads impacted by SLR of 4.0' with Storm Surge
- Roads impacted by SLR of 1.7' with Storm Surge

---

**Sea-Level Rise Scenarios**

Please note that the sea-level rise scenarios used in this assessment were derived from the Wake, 2011 report (refer to table of values below from this report). These scenarios were selected prior to the release of the Science and Technical Advisory Panel Report to the N.H. Coastal Risks & Hazards Commission, in August, 2014 [1]. While slightly different than the scenarios cited in that report, they yield coverage estimates that are within the mapping range of errors.

---

**Table of Values:**

<table>
<thead>
<tr>
<th>Year</th>
<th>2000</th>
<th>2010</th>
<th>2020</th>
<th>2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower</td>
<td>0.6</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
</tr>
<tr>
<td>Higher</td>
<td>1.2</td>
<td>1.3</td>
<td>1.4</td>
<td>1.5</td>
</tr>
<tr>
<td>Extremes</td>
<td>0.6</td>
<td>0.7</td>
<td>0.8</td>
<td>0.9</td>
</tr>
<tr>
<td>Extremes High</td>
<td>1.2</td>
<td>1.3</td>
<td>1.4</td>
<td>1.5</td>
</tr>
</tbody>
</table>

---

**Note:**

- The C-RiSe project is funded under the Coastal Zone Management Act (CZMA) and is in collaboration with New Hampshire's Planning and Community Development Department.

---

**C-RiSe Project Team:**

- Project Lead: Kristin P. Landes
- Project Coordinator: Andrea M. Haley
- Project Manager: David E. Landis
- Project Team Members: Various

---

**Data Sets:**

- Various data sets contributed to the project, including
  - NHD Plus: National Hydrography Dataset
  - NH DEM: New Hampshire Digital Elevation Model
  - NH GRANIT: New Hampshire Geographic Information System
  - NH DOT: New Hampshire Department of Transportation
  - NHCWS: New Hampshire Coastal Waterways System

---

**Copyright:**

- The Climate Risk in the Seacoast: Assessing Vulnerability of Municipal Assets and Resources to Climate Change (C-RiSe) project, 2015.