

<b>TOWN OF RICHMOND</b>	
<b>Report: Calendar Year 2021: Progress on Implementation of All-Hazards Mitigation Plan</b>	
<b>Date:</b>	<b>September 2022</b>
<b>To:</b>	<b>Selectboard</b>
<b>From:</b>	<b>Josh Arneson, Town Emergency Management Director</b>
<b>Information collected by:</b>	<b>Chittenden County RPC in partnership with municipal staff</b>

*Table 5-8 Town of Richmond Mitigation Actions: Implementation Monitoring Worksheet*

<b>CATEGORY A: Complete fluvial geomorphology assessment and address identified vulnerable infrastructure to mitigate Severe Rainstorm, Flooding, Fluvial Erosion and Water Pollution and their associated vulnerabilities of:</b> <ul style="list-style-type: none"> <li>• Damage to new/existing public infrastructure and buildings</li> <li>• Temporary road and bridge closure</li> <li>• Budgetary impacts</li> <li>• Temporary loss of power and/or telecommunications</li> <li>• Temporary isolation of vulnerable individuals</li> </ul>	
<b>Action</b> <b>(Primary Responsible Entity)</b>	<b>Report on Progress since Plan adoption</b> <i>See Section 5.4 for details on locations identified during Plan development.</i>
<b><u>Action A-1: Complete Geomorphic assessment and corridor management plan for the Winooski River</u></b> (CCRPC, Town & VT-DEC)	<u>Town reports progress in 2021 as follows:</u> <ul style="list-style-type: none"> <li>• No progress in 2021. Funding opportunities for such a large-scale study are limited according to CCRPC.</li> </ul>
<b><u>Action A-2: Flood Hazard Mitigation Project Implementation</u></b> (Town Manager & Town Planner)	<u>Town reports progress in 2021 as follows:</u> <ul style="list-style-type: none"> <li>• Dugway Rd. repair and mitigation work which included a modern retaining wall near the Huntington River to protect the road from washouts due to floods</li> </ul>
<b>CATEGORY B: Improve capabilities of existing road and stormwater management infrastructure to mitigate Severe Rainstorm, Flooding, Fluvial Erosion and Water Pollution and their associated vulnerabilities of:</b> <ul style="list-style-type: none"> <li>• Damage to new/existing public infrastructure and buildings</li> <li>• Temporary road and bridge closure</li> <li>• Budgetary impacts</li> <li>• Temporary loss of power and/or telecommunications</li> <li>• Temporary isolation of vulnerable individuals</li> </ul>	
<b>Action</b> <b>(Primary Responsible Entity)</b>	<b>Report on Progress since Plan adoption</b> <i>See Section 5.4 for details on locations identified during Plan development.</i>
<b>Action B-1: Culvert Upgrades</b> (Town Road Foreman)	<u>Town reports progress in 2021 as follows:</u> <ul style="list-style-type: none"> <li>• (1) road crossing and (1) driveway culvert on Johnnie Brook Road.</li> </ul>

	<ul style="list-style-type: none"><li>• (1) road crossing culvert on Cochran Road.</li><li>• (1) road crossing culvert on Wertheim Road.</li><li>• (3) driveway culverts on Huntington Road.</li></ul>								
<b>Action B-2: Drainage Improvements</b> (Town Road Foreman)	<p><u>Town reports progress in 2021 as follows (please proof text; add mrgp work funded only via muni dollars if applicable):</u></p> <ul style="list-style-type: none"><li>• Using Grants-in-Aid (GIA) funds, the Town upgraded the following one-hundred-meter road segments to meet Municipal Roads General Permit (MRGP) standards.<table><tr><td>HUNTINGTON_RD_ Segment # 29864.1</td></tr><tr><td>HUNTINGTON_RD_ Segment # 29867.1</td></tr></table></li><li>• Using Better Roads grant funds, the Town upgraded the following one-hundred-meter road segments to meet Municipal Roads General Permit (MRGP) standards.<table><tr><td>HILLVIEW RD Segment # 28332.1</td></tr><tr><td>HUNTINGTON_RD_ Segment # 29858.1</td></tr><tr><td>HUNTINGTON_RD_ Segment # 29859.1</td></tr></table></li><li>• Using Municipal funds, the Town upgraded the following one-hundred-meter road segments to meet Municipal Roads General Permit (MRGP) standards.<table><tr><td>Hillview – 150 to 200 ft. of stone lined ditching uphill of GIA segments</td></tr><tr><td>Huntington Road – from Hillview to Beesaw, 0.6 miles of ditch work minus GIA segments</td></tr><tr><td>Williams Hill Road – 400-500 ft of ditch lining and check dams</td></tr></table></li></ul>	HUNTINGTON_RD_ Segment # 29864.1	HUNTINGTON_RD_ Segment # 29867.1	HILLVIEW RD Segment # 28332.1	HUNTINGTON_RD_ Segment # 29858.1	HUNTINGTON_RD_ Segment # 29859.1	Hillview – 150 to 200 ft. of stone lined ditching uphill of GIA segments	Huntington Road – from Hillview to Beesaw, 0.6 miles of ditch work minus GIA segments	Williams Hill Road – 400-500 ft of ditch lining and check dams
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<b>Action B-3: Road Improvement</b> (Town Road Foreman)	<p>Town reports progress in 2021 as follows:</p> <ul style="list-style-type: none"><li>• Mill and resurface .10 miles of upper Bridge Street;</li><li>• 0.35 miles of shim and resurfacing on Collins Mountain Road;</li><li>• 0.05 miles resurfacing on Kenyon Road (apron);</li><li>• 1.20 miles of shim, resurfacing and shoulders on East Hill Road;</li><li>• 2.20 miles of shim resurfacing and shoulders on Cochran Road (per Class 2 Roadway grant)</li></ul>								

<b>CATEGORY C: Implement Roads Stormwater Management Plan to mitigate Severe Rainstorm, Fluvial Erosion and Water Pollution and their associated vulnerabilities of:</b> <ul style="list-style-type: none"> <li>• Damage to new/existing public infrastructure</li> <li>• Impairment of local waterways and Lake Champlain</li> <li>• Budgetary impacts</li> </ul>	
<b>Action</b> <b>(Primary Responsible Entity)</b>	<b>Report on Progress since Plan adoption</b>

	<i>See Section 5.4 for details on locations identified during Plan development.</i>
<b><u>Action C-1 Develop Roads Stormwater Management Plan</u></b> (Town Road Foreman)	<u>Town reports progress in 2021 as follows (please proof):</u> - the CCRPC completed the required Road Erosion Inventory in August 2016; - the State issued the Town its MRGP in 2018; and - the CCRPC along with Town match has funded the preparation of Conceptual Design Estimates for projects to bring non-MRGP-compliant segments up to standards as follows: <ul style="list-style-type: none"> <li>• conceptual plans for improvements were developed for (6) 100-meter segments of Snipe Ireland Road</li> </ul> - With assistance from CCRPC the Town submitted their RSWMP data report to the DEC MRGP portal in advance of the December 31, 2021, deadline.
<b><u>Action C-2 Begin Roads Stormwater Management Plan implementation</u></b> (Town Road Foreman)	<u>Town reports progress in 2021 as follows:</u> <ul style="list-style-type: none"> <li>• As noted in B-1 above, using a combination of municipal funds and state grants, a total of 4 segments on Jericho Road were brought up to meet MRGP standards to further implement projects identified in the RSWMP.</li> </ul>