ALTERNATIVES MATRIX
Mountain Street Stormwater Scoping Study - Bristol, VT
November 9, 2026

Alternative ID	Alternative Description	Reduce Discharge onto Roadway at Watercourse	Reduce Surface Flooding and Uncontrolled Flows	Permitting Requirements	Construction Impacts / Easements	Constructability	Construction Costs (20%-25% Contingency)	Notes
Alternative 1	No Action	**NONE**	**NONE**	**N/A**	**N/A**	**N/A**	**N/A**	Existing issues with surface flooding would continue. The need for frequent maintenace at the inlet points and risk of damage to public and private properties would also continue.
Alternative 2	Increase Capacity at 3-Sided Structure	**NO CHANGE**	**MINOR / LOCALIZED CHANGE**	**MINOR**	**MINOR (TEMPORARY)**	**MODERATE CONSTRAINTS / CONFLICTS**	**$150,000 - $175,000**	Replace the existing 3-sided inlet structure with new structure and trash rack, upsize the existing 24" pipe to 48" pipe. Small localized improvements, existing issues with stormwater runoff would persist. Construction will likely impact nearby private property and driveway entrance, requiring temporary easement outside of ROW. Limited permitting required.
Alternative 3	Increase Capacity at Catch Basin Inlets	**NO CHANGE**	**MINOR / LOCALIZED CHANGE**	**MINOR**	**MINOR (TEMPORARY)**	**MINOR CONSTRAINTS / CONFLICTS**	**$125,000 - $150,000**	Convert existing single-grate structures to double-grates, increasing to intercept storwmater. Small localized improvements, however existing issues with bypass and uncontrolled flow would persist. Limited impacts to nearby private property may occur during construction, limited temporary easements outside of ROW may be required. Limited permitting required.
Alternative 4	Expand Mountain Street Drainage System	**NO CHANGE**	**MODERATE CHANGE**	**MINOR**	**MINOR (TEMPORARY)**	**MODERATE CONSTRAINTS / CONFLICTS**	**$275,000 - $300,000**	Add new drainage structures to Mountain St system at strategic locations to intercept stormwater where bypass and surface flooding occurs. Does not change discharge from watercourse on Mountain St . Potential for conflicts with existing subsurface utilities increases with cross pipes. Construction will likely impact nearby private property, may require temporary easement outside of ROW. Limited permitting required.
Alternative 5	Intercept Stormwater Prior to Mountain Street	**NOTICEABLE / SUBSTANTIAL CHANGE**	**NOTICEABLE / SUBSTANTIAL CHANGE**	**MINOR**	**MODERATE (TEMPORARY AND PERMANENT)**	**MODERATE CONSTRAINTS / CONFLICTS**	**$275,000 - $300,000**	Extend existing drainage system on the east side of Mountain St, install new 3-sided inlet with trash rack system on watercourse to intercept stormwater before it reaches Mountain St. Construction will impact nearby private properties requiring temporary easements. Permanent drainage easement required for access to new inlet. Utility conflicts less likely without cross pipes. Limited permitting required.
Alternative 5.1	Expand Mountain Street Drainage System & Intercept Stormwater Prior to Mountain Street	**NOTICEABLE / SUBSTANTIAL CHANGE**	**NOTICEABLE / SUBSTANTIAL CHANGE**	**MINOR**	**MODERATE (TEMPORARY AND PERMANENT)**	**MODERATE CONSTRAINTS / CONFLICTS**	**$475,000 - $500,000**	Combine Alternative 4 and Alternative 5. Addresses discharge from watercourse onto Mountain St, and provides added protection against bypass flows and surface flooding by adding drainage to the west side of the street. Construction will impact nearby private properties requiring temporary easements. Permanent drainage easement required for access to new inlet on watercourse. Limited permitting required.