

## CEI Works with VTrans to Advance Stormwater BMPs

Comprehensive Environmental Inc. (CEI) was recently selected by the Vermont Agency of Transportation (VTrans) to assist in researching stormwater best management practices (BMPs). CEI is working with VTrans to identify a suite of operational best management practices/stormwater treatment practices to address post-construction stormwater runoff associated with linear transportation infrastructure. Project development will focus on several goals including state of the art practices such as low impact development, green infrastructure, and other emerging stormwater management concepts as well as practices that address the hydrologic and water quality impacts of stormwater runoff from highways.



Transportation systems have unique characteristics compared to other land uses that affect the quantity and quality of stormwater. They are constructed within long, linear, relatively narrow rights-of-way crossing a widely varying physical landscape. Stormwater practices must be applied to roadways consistent with the design and maintenance of the pavement surface, because roadways have particular requirements for drainage of the surface and the sub-base to maintain the structural integrity of the pavement system, as well as to provide for safe vehicular movement under all weather conditions. CEI will assist VTrans in meeting the above elements and to develop a suite of BMPs that can be successfully implemented.

As a civil and environmental engineering firm serving the New England region for nearly 25 years, CEI offers extensive technical capabilities in stormwater Best Management Practice (BMP) research and design relating to roadway post construction stormwater runoff. CEI has recently completed several statewide stormwater guidance manuals for entities in New Hampshire, Maine and Massachusetts. CEI was incorporated in 1987 and has offices in Merrimack, NH; Marlborough, MA and New Britain, CT.