



## CEI NEWS

# Flood Management & Culvert Restoration

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### CEI Works with Hadley on Culvert Restoration Efforts

CEI is currently working with MassDOT and the Town of Hadley, MA to provide engineering, design and permitting services to design a culvert replacement of a 16 foot wide by 8 foot high metal arch culvert crossing at Russellville Brook which is in close proximity to the Connecticut River.



In the summer of 2013, CEI completed a preliminary evaluation of the culvert which included structural inspection and geological evaluations. As part of this effort, CEI worked with the Town to collect available historical data and utility information, delineate resource areas, collect topographic survey, perform hydrologic and hydraulic calculations, determine stream crossing characteristics and identify resource area constraints. Using this information, CEI developed several alternatives for replacement and assisted the Town in selecting the most viable option based on costs, permitting and constructability.

CEI is currently working on final design of the selected alternative and completion of the required permits. CEI is also working closely with MassDOT to complete the design in accordance with MassDOT requirements for crossings. Finalized plans, contract specifications and estimates will be prepared for a competitive public bid and award through the Town of Hadley. Award of the construction contract is anticipated to meet the late summer of 2014 construction period.

For more information on this project or CEI's culvert engineering and flood management services, please contact Matthew Lundsted, P.E., CFM at 800.725.2550 or [mlundsted@ceiengineers.com](mailto:mlundsted@ceiengineers.com).

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