




TOWN OF BRAintree
OFFICE OF THE MAYOR

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Braintree, Massachusetts 02184
Tel: 781-794-8145

Joseph C. Sullivan
Mayor

TO: Town Council
FROM: Joseph C. Sullivan, Mayor 
RE: Great Pond Dam Repair
DATE: October 10, 2014

I am pleased to inform you that the Tri-Town Water Board (Braintree, Randolph, & Holbrook) has been approved for a grant from the Commonwealth of Massachusetts Dam and Seawall Repair and Removal Fund, for repairs to the Great Pond Lower Reservoir Dam.

The Tri-Town Water Board is highly committed to making dam repairs, for water supply protection and for the safety of the public. Our dam needs repair as the Great Pond Dam is classified as "High-Hazard" and in "Poor Condition" by the Commonwealth of Massachusetts Department of Recreation Office of Dam Safety. The Tri-Town Water Board is under an enforcement order to make repairs and improvements. Neither the cost of these repairs nor the urgency will diminish over time, so the three towns must act as quickly as possible.

The funding has been made contingent upon installing a fish ladder on the spillway. This will complement other projects that have been designed to restore alewife to the region.

The grant is a combination of a cash grant and low-interest loans. In addition, a cash match will be required from the three communities. The funding breakdown is shown here:

TOTAL PROJECT COST*	\$1,358,911.00
CASH GRANT (for engineering, design, and permitting)**	\$185,329.00
LOAN at 2% from Commonwealth Dam/Seawall Repair & Removal Fund (for construction)	\$814,671.00
CAH MATCH REQUIRED OF TRI-TOWN WATER BOARD	\$358,911.00

The breakdown of costs by community is shown here:

	TOTAL AMOUNT	BRAINTREE PORTION (48%)	RANDOLPH PORTION (37%)	HOLBROOK PORTION (15%)
TOTAL PROJECT COST*	\$1,358,911.00	\$652,277.28	\$502,797.07	\$203,836.65
CASH GRANT (for engineering, design, and permitting)**	\$185,329.00	\$88,957.92	\$68,571.73	\$27,799.35
LOAN at 2% from Commonwealth Dam/Seawall Repair & Removal Fund (for construction)	\$814,671.00	\$391,042.08	\$301,428.27	\$122,200.65
CASH MATCH REQUIRED OF TRI-TOWN BOARD	\$358,911.00	\$172,277.28	\$132,797.07	\$53,836.65

*Total Project Cost Includes Fish Ladder (\$87,840.00)

**The cash grant was raised from \$165,200.00 to \$185,329.00 on 10/3/2014, by EOEEA.

Town of Braintree, Massachusetts
Suggested Form of Loan Order
(Dam Repair Project)

ORDERED: That the Town of Braintree appropriates the sum of Six-Hundred Fifty-Two Thousand, Two-Hundred Seventy-Seven Dollars, and Twenty-Eight Cents (\$652,277.28) for the purpose of paying costs of the Town's portion of a dam repair project and all other costs incidental and related thereto; and that to meet this appropriation the Treasurer, with the approval of the Mayor, is authorized to borrow said amount under and pursuant to Chapter 44, Section 8(25) of the General Laws, or pursuant to any other enabling authority, and to issue bonds or notes of the Town therefor; and that the Town is authorized to contract for and expend any federal or state aid available for the project, provided that the amount of the authorized borrowing shall be reduced by the amount of such aid received prior to the issuance of bonds or notes under this order; and that the Town is authorized to take any other action necessary or convenient to carry out this project.



Commonwealth of Massachusetts

Executive Office of Energy and Environmental Affairs

Governor Deval L. Patrick
Secretary Maeve Vallety Bartlett

Press Release Contacts: Krista Selmi — 617-626-1109 or krista.selmi@state.ma.us

Patrick Administration Awards \$13.2 Million in Dam and Seawall Grants, Loans

SCITUATE – Tuesday, September 2, 2014 – Energy and Environmental Affairs (EEA) Secretary Maeve Vallety Bartlett today announced \$13.2 million in investments for dams and coastal infrastructure in Massachusetts. These funds will help rehabilitate dams, protecting drinking water supplies as well as key coastal safety and economic assets in Massachusetts coastal communities.

“The Patrick Administration is making key investments to address the public concerns and risks from declining dams and seawalls,” said Secretary Bartlett. “These investments will not only protect public assets, such as water supply structures and first responder access corridors, but also prepare our communities for future extreme weather events.”

The coastal infrastructure projects will help to protect key public assets such as business districts, water and sewer systems and critical transportation routes for emergency services. The dam projects will repair structures that are high or significant hazard dams designed to support water supply reservoirs.

The funding for these investments includes funds from the EEA Environmental Bond, recently signed by Governor Patrick in August, as well as funds from the Dam and Seawall Repair and Removal Fund. This is the second round of awards from the Fund, and they are matched by an additional \$4 million in local and federal investments. In the first round earlier this year, \$5.9 million in grants and loans was awarded.

The Dam and Seawall Repair and Removal Fund was signed into law by Governor Patrick in 2013 to address the growing need to repair dams, coastal flood control structures and inland flood control structures that pose a risk to public health, public safety and key economic centers. The Patrick Administration is committed to proactively addressing these risks before disaster strikes, and sees increasing the resiliency of the Commonwealth’s infrastructure as particularly important in the face of increasingly extreme weather as a result of climate change.

“The creation of the Dam and Seawall Repair and Removal Fund has been a point of personal pride and I am pleased this second round of grants announcements has come. I want to thank the Governor and Secretary Bartlett for their personal attention to this issue which included touring our communities to see the need for these critical infrastructure improvements. These investments in Marshfield and Scituate will help our communities make critical repairs to seawalls that protect property and promote public safety. I want to thank our local officials, including Scituate’s DPW Director Kevin Cafferty, Marshfield’s DPW Director Tom Reynolds and Town Engineer Rod Procaccino, for submitting strong grant applications that effectively communicated the needs and capacity of our communities.”

The grant and loan recipients are as follows:

Applicant	Project	Total Award	Award Structure		Matching Funds	Project Summary
			Grant	Loan		
Marshfield	Foster Avenue Seawall	\$3,946,200	\$94,000	\$3,852,200	\$90,900	The Foster Avenue Seawall project will replace 1000 feet of structure, from Old Beach Road to Ninth Road. Originally constructed in the 1930's, this project will help increase Marshfield's resilience to coastal storm events and increase public safety.
Nantucket	Easy Street Bulkhead	\$1,342,309	\$153,600	\$1,188,709	\$58,981.42	This project will improve protection of a vital access route for first responders as well as a key commercial area. Easy Street is in the heart of Nantucket's downtown. Easy Street is the critical public transportation route for all goods and services going to and from the Steamship Authority terminal located at lower Broad Street.
Scituate	Oceanside Drive Seawall	\$4,000,000	\$191,829.66	\$3,808,170. 34	\$2,400,000	The project consists of reconstruction of a ±650 linear foot section of the existing Oceanside Drive seawall. This coastal structure provides protection to public roads and associated utilities and provides public access to the beach. During major storm events, Oceanside Drive often floods and becomes inundated with overwash consisting of large cobbles and sand, compromising access for first responders.
Attleboro	Hoppin Hill Reservoir Dam	\$1,000,000	\$160,000	\$840,000	\$100,000	The Dam is an approximately 1,100-foot long curved earthen embankment with a structural height of 23-feet. The Dam was originally

						constructed in 1910 and rehabilitated in 1987. In addition to helping ensure water supply, the area surrounding the reservoir is accessible by the public for passive recreation. Reconstruction is vital to public safety downstream and maintaining integrity of the reservoir.
Cohasset	Bound Brook Dam	\$1,000,000	\$158,000	\$842,000	\$421,200	The Bound Brook Control Dam along with its inlet control structure regulates water storage levels of Lily Pond, the primary water supply reservoir for the Town of Cohasset. In addition, Beechwood Street located on the crest of the dam is a heavily traveled road connecting the southern portions of Cohasset with the surrounding towns of Scituate, Norwell and Hingham around the Wompatuck State Park.
Leominster	Morse Reservoir Dam	\$1,000,000	\$37,400	\$962,600	\$708,000	The rehabilitation of the Morse Reservoir Dam will address three areas of significant seepage identified along the toe of the dam, resulting in an estimated loss of approximately 50 gallons per minute from the City's water supply. Failure of this dam could result in the destruction of Elm Street, several downstream neighborhoods and threaten the Distributing Reservoir Dam and Water Treatment Plant.
Tri-Town Water District (Braintree, Holbrook, Randolph)	Great Pond Lower Reservoir Dam	\$979,871	\$165,200	\$814,671	\$291,200	The Great Pond Lower Reservoir Dam spillway and surrounding earthen dam area will be rehabilitated and fish passage installed to help

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Increased to \$1 Million

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Increased to \$185,329.42

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Increased to \$358,911.42 (fish ladder)

						restore migration to the region. The length of the dam embankment will be armored to safely accommodate overtopping flows and the spillway parallel to West Street will be rehabilitated.
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