# Stormwater Retrofits: Getting Started

- 1. Target your search efforts within smaller "subwatersheds" with existing flooding or water quality problems
- 2. Be mindful that retrofit design and construction requires engineering skills, project management and construction oversight
- 3. Consider hiring consultants to conduct retrofit investigation and design and build projects
- 4. Be aware of factors that can inflate costs
  - a. Permitting
  - b. Off-site haul of excavated materials
  - c. Sewer or utility relocation
  - d. Easements or contested right-of-ways

#### New and Redevelopment Projects: Getting Started

- 1. Provide training for existing local staff
- 2. Take time to learn the computational spreadsheets used by the Bay States
- 3. Focus on the "full cycle" of urban stormwater practice implementation
  - a. Monitoring
- e. Inspection
- b. Assessment c. BMP Design
- f. Maintenance
- d. Construction
- g. Makeover

# **Erosion and Sediment Control: Getting Started**

- 1. Target sites in sensitive areas
- 2. Target sites with high sediment export potential
- 3. Costs should already be part of existing budget
- 4. No additional reporting requirements

#### **Urban Nutrient Management: Getting Started**

- 1. Check with the appropriate agency for state-specific information
- 2. Review your procurement contracts
- 3. Train Public Works Staff
- 4. Work with a good urban nutrient management partner
- 5. Engage the residents

# Stream Restoration: Getting Started

- 1. Create the right team
- 2. Be mindful it can take 1-3 years to implement
- 3. Complete pre-monitoring and survey work
- 4. Complete post-construction monitoring
- 5. Consult with the Corps of Engineers, U.S. EPA, and other wetland regulators early in the process
- 6. Budget enough time to get a permit
- 7. Involve the public early