

Stormwater Report

Applicant/Project Name:

Project Name: Road Repaving Project

Project Location(s):

STREET	LENGTH	DESCRIPTION
Agawam Road	3800-FT	Entire Length
Central Street	2500-FT	Railroad Tracks to Arlington St
Greenwood Lane	570-FT	Entire Length
Hemlock Lane	1220-FT	Entire Length
Highland Road	900-FT	Entire Length
Hosmer Street	2500-FT	Route 2 to School St
Jackson Drive	1550-FT	House #24 to Dead End
Liberty Road	2935-FT	Entire Length
Lincoln Drive	2250-FT	Entire Length
Lothrop Road	900-FT	Tuttle Dr to #20 Lothrop Rd
Main Street	4500-FT	Beverly Rd to Central St
Main Street	4800-FT	High St to Maynard Town Line
Maple Street	1500-FT	Stow St to Martin St
Martin Street	1200-FT	Central St to Jones Field
Minuteman Road	400-FT	Woodbury Rd to Newtown Rd
Russell Road	475-FT	Entire Length
Samuel Parlin Drive	2000-FT	Entire Length
Squirrel Hill Road	1000-FT	Highland Road to House #18
Tuttle Drive	875-FT	Torrington Rd to Dead End
Woodbury Lane	900-FT	Main St to Minuteman Rd

Applicant:

Corey York, Town Engineer / Director of Public Works
 472 Main Street, Acton, MA 01720
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Property Owner: Steve Ledoux, Town Manager
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Representative: Paul Campbell, Assistant Town Engineer
472 Main Street, Acton, MA 01720
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General Project Description:

The Acton Highway Department has compiled a list of streets that are in need of some routine maintenance. The Highway Department plans to mill some of the streets, then level & resurface the roads with a new wearing course of bituminous concrete. When the existing top course of pavement is milled the reclaimed asphalt will be deposited into a truck and transported off-site.

Project Type: Redevelopment (road repaving)

Standard 1: No New Untreated Discharges

The Town is only proposing to repave existing Town roads that are in need of some routine maintenance. There will be no new discharges as a result of this work.

Standard 2: Peak Rate Attenuation

The Town has no plans to alter the existing condition of the roads such as widening the pavement. The road repaving work is part of the normal course of maintaining, repairing and replacing the existing road infrastructure that is used by the public. There are no changes or alterations being proposed to the roads that would increase peak rate of runoff.

Standard 3: Recharge

The Town has no plans to alter the existing condition of the roads that would impact or decrease the annual amount of runoff being recharged/infiltrated to groundwater.

Standard 4: Water Quality

The Town has an existing Pollution Prevention Plan identified in the document entitled "Stormwater Management Plan, Acton, MA" prepared by Woodard & Curran Associates dated September 5, 2003. Included in this document is the Town's overall plan to manage the Town's stormwater system and Pollution Prevention practices.

Inspection and Maintenance for the existing Town-owned Bridge Structures:

MHD Bridge Inspection Program – inspection occurs about every 2 years
Acton DPW – routinely inspects road and drainage infrastructures to
repair/rehab any deficiencies in the systems.

Typical Pollution Prevention steps performed by the Town:

The Town utilizes deicing agents during the winter months to
reduce/eliminate the need for sanding the roads.

The Town sweeps all the Town roads annually to remove any sand and debris
that has accumulated on the road pavement.

The Town also has an ongoing program to remove the sediment that is
collected in the sumps of the catch basins on Town roads. The Town also
proposes to remove any sediment such as road sand that has build-up at the
outlet of the existing culvert to restore the drainage channel to substantially its
original condition. The Town recently purchased new equipment that will be
used to clean sediment within detention basins.

When existing Town drainage systems are repaired/improved the DPW will
retrofit gas/oil hoods and/or other types of stormwater BMPs to improve the
existing conditions. Plans have been developed and approved to improve the
drainage systems on North Main Street and Duggan Road.

The Town has implemented a program under the Stormwater Management
Plan to detect and eliminate illicit discharges into the stormwater systems and
wetland areas. The Town is continually monitoring samples of runoff from
the Town's watersheds testing for contaminants. Once an illicit discharge is
determined, the Town has a policy to contact the owner(s) and determine the
best manner in which to quickly correct the infraction.

Town Staff continually attends various training workshops to learn new
techniques, keep up-to-date on current regulations, and improve on existing
pollution prevention steps as part of the daily municipal operations.

The Town is always looking into other types of programs to improve pollution
prevention such as, but not limited to, hazardous waste collection days, yard
waste collection, recycling at the Transfer Station.

The Town is currently mapping the existing drainage system inventory in GIS
using GPS technology which will aid in the analysis of the system.

Emergency Contacts:

Acton Department of Public Works

Telephone: (978) 929-6630
Corey York, Town Engineer / Director of Public Works

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs)

The Town is only proposing to conduct the routine road maintenance on the above-mentioned public ways and has no plans to alter the existing condition of these roads such as widening the pavement. The road repaving work is part of the normal course of maintaining, repairing and replacing the existing road infrastructure that is used by the public. There are no changes that would yield a new land use or a new/higher pollutant load.

Standard 6: Critical Areas

The Town is only proposing to resurface the roads as part of the Town's routine road maintenance and has no plans to alter the existing condition of these roads. There are no new stormwater systems or discharges being proposed by this project.

Standard 7: Redevelopments

The Town is only proposing to conduct the routine road maintenance on the above-mentioned public ways and has no plans to alter the existing condition of these roads such as widening the pavement. The Town continues to maintain, and improve the existing road and drainage infrastructure. The DPW has an ongoing program to inspect, maintain, and repair any drainage facilities that are owned and operated by the Town. To the maximum extent possible, the Town retrofits existing drainage structures during various improvement/repair projects with new stormwater BMPs to improve the overall water quality, and staff continues to attend workshops to learn new techniques that would benefit the Town and the environment.

Standard 8: Construction Period Pollutant Prevention and Erosion and Sedimentation Control

Contacts Responsible for Plan Compliance:

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Sedimentation Control

We will conduct a site visit with the Highway Superintendent and the Natural Resource Director to visit these above-mentioned locations to inspect the sections of roads that are located adjacent to wetland areas. As a result of this site visit, the Town will install sedimentation control measures to prevent sediment from discharging into the wetlands during the road repaving work in areas identified by the Natural Resource Director.

If additional erosion and sedimentation control measures are deemed necessary by the Natural Resource Director during the milling and paving process, the DPW will work with the Director to address those concerns.

Standard 9: Operation and Maintenance Plan

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The Town has implemented a Stormwater Management Plan that was prepared by Woodard & Curran Associates dated September 5, 2003 that describes the Town's commitment to inspect, maintain and improve the overall existing drainage infrastructure. The Town's progress is monitored by the Acton Health Department under our existing Stormwater Management Plan and annual reports are submitted to the DEP to ensure compliance.

Standard 10: Prohibition of Illicit Discharges

The Town has implemented a program under the Stormwater Management Plan dated September 5, 2003 to detect and eliminate illicit discharges into the stormwater systems and wetland areas. The Town is continually monitoring samples of runoff from the Town's watersheds testing for contaminants. Once an illicit discharge is determined, the Town has a policy to contact the owner(s) and determine the best manner in which to quickly correct the infraction. Based on our inspection of the bridge structures, the consultant did not identify illicit discharges at these locations.