

# Maine Turnpike Authority

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September 14, 2015

Mr. Mike Mullen  
Bureau of Land and Water Quality  
Maine Department of Environmental Protection  
17 State House Station  
Augusta, Maine 04333-0017

SUBJECT: Maine Turnpike Authority (MTA)  
Memorandum of Agreement (MOA) for Storm Water Management  
2014 Annual Progress Report

Dear Mr. Mullen:

MTA is pleased to submit the 2014 Annual MOA Progress Report for your review. Please do not hesitate to contact me at (207) 871-7771 ext. 359 to discuss this report, should you have any questions.

Respectfully,



John M. Branscom  
Environmental Services Coordinator  
Maine Turnpike Authority

Enclosure: 2014 Progress Report on Implementation of the Stormwater MOA

Cc: Peter Merfeld, MTA  
Steve Tartre, MTA  
Bill Wells, MTA  
Brian Taddeo, MTA  
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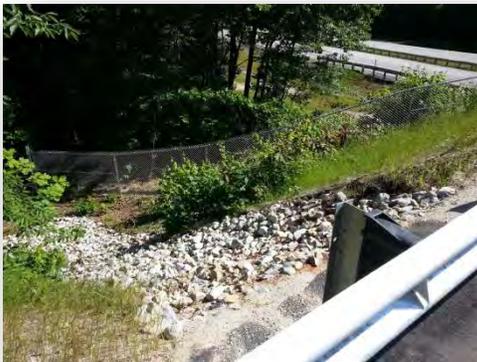
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# MAINE TURNPIKE AUTHORITY

## 2014 **ANNUAL** PROGRESS REPORT ON IMPLEMENTATION OF THE STORMWATER MEMORANDUM OF AGREEMENT



Prepared by:

**Maine Turnpike Authority**



Submitted:

**September 2015**



**think blue**

*clean water starts with you!*

**Stormwater Protection in Maine**

## I. INTRODUCTION

This Annual Progress Report has been prepared to satisfy the requirements in the Stormwater Memorandum of Agreement (MOA), dated November 14, 2007 as adopted by the Maine Department of Environmental Protection (DEP), Maine Department of Transportation (MaineDOT) and Maine Turnpike Authority (MTA). This report summarizes MTA's compliance status with respect to the MOA requirements during calendar year 2014. Additional documentation and data pertaining to construction projects and activities (e.g., training, certification, etc.) performed; projects and activities anticipated to occur in 2015; and a list of staff or designees who provided oversight with respect to erosion and sedimentation control and stormwater control are maintained on file at MTA.

## II. 2014 CONSTRUCTION PROJECTS

As required by MTA General and Special Provision 656 – Temporary Soil Erosion and Water Pollution Control, all MTA construction projects with earth disturbance are required to install, maintain, inspect, and document erosion control requirements. Compliance with these requirements is tracked as part of MTA's Construction Project Environmental Compliance (CPEC) Program. Each erosion control measure is selected from, and installed consistent with the MaineDOT Best Management Practices (BMP) for Erosion and Sedimentation Control Manual.

In 2014, the MTA initiated 18 projects subject to the CPEC Program. The majority of the MTA construction activities were focused on bridge repair/maintenance projects and pavement rehabilitation. Other construction projects conducted by MTA included clearing, resurfacing, culvert repairs, interchange improvements, and toll plaza upgrades. A list of all the 2014 construction projects is provided in **Table 1**. For calendar year 2014:

- All MTA projects were located within an existing travel corridor;
- Four (4) of MTA's projects were located within Urban Impaired Stream (UIS) watersheds. Contracts 2014.10 and 2014.17 – Exit 80 Interchange Improvements are located within an Urban Impaired Stream (UIS) watershed (i.e. Hart Brook) in Lewiston and are expected to add 48,300 square feet of impervious area and 156,000 square feet of landscaped area. Chapter 500 General Standards, including BMP requirements, were incorporated into the final design of this project prior to construction; and
- Maine Construction General Permit (MCGP) coverage was obtained for stormwater discharges originating from five (5) sites with Limits of Disturbance (LOD) equal to or greater than 1 acre.

MTA's Highway Maintenance Department also completed several small construction projects as part of routine maintenance activities. Smaller projects of this nature and size are only required to incorporate Basic Standards. An inventory of the permanent BMPs installed, as well as the inspections and tracking of post-construction operations and maintenance (O&M) on these projects is also maintained as part of MTA's CPEC Program.

### III. MAINTENANCE OPERATIONS

MTA's Highway Maintenance Department continues to track O&M tasks performed along the MTA right-of-way (ROW). The most common maintenance activities accomplished in 2014 included shoulder/slope repairs, litter picking, and sweeping of paved (impervious) surfaces from Kittery to Augusta, including roadways, toll plazas, service plazas, etc. Other O&M highlights from each maintenance facility (MF) in 2014 included:

- The Auburn MF staff repaired washouts (i.e., erosional features) at approximately 16 roadway shoulder locations, performed culvert repairs to reconnect to a catch basin, and replaced three catch basin grates.
- The Crosby MF staff performed maintenance and repairs on the culvert, downspouts and swales at the Warren Avenue underpass, flushed the culvert and performed catch basin repair at mile marker (MM) 45.8 NB, completed repairs to the culvert and slope at MM 50.7 SB, and mowed, trimmed, and cut brush and vegetation at various locations along the ROW.
- The Gardiner MF staff repaired approximately 50 feet of ditch at MM 99 SB, installed a 12" culvert (40 feet long) and a 24" culvert (40 feet long) at MM 88.8 NB.
- The Gray MF staff performed maintenance on the culvert and downspout at Exit 63 SB entrance ramp and replaced a concrete catch basin.
- The Kennebunk MF staff mowed the ditches and swales on the mainline, median, and interchanges and repaired ditching at MM 27.5 SB.
- The York MF staff completed ditch repair required for the installation of a new speed sign and at MM 19 for drainage from the Railroad Bridge, and cleared trees and brush from along the fence and road at MM 2.2 to MM 20.4.

MTA performed annual inspections of the catch basins and associated pipeline outlets along the ROW. Repairs and catch basin cleanouts are subsequently performed within MTA ROW, as needed. The sediments removed during the cleaning were managed in accordance with established DEP protocols for waste management and beneficial reuse.

Consistent with previous years, Highway Maintenance crews use weekly summary reports and transfer the data relating to stormwater or soil and erosion control activities to quarterly O&M reports to document MOA compliance. The Environmental Services Coordinator conducts:

- Periodic review of the quarterly O&M reports at each Highway Maintenance Facility to track progress throughout the year;
- Joint quarterly inspections of each Highway Maintenance Facility to address stormwater and erosion control issues with the Foremen to supplement their monthly inspections;
- Audits of construction projects with Foremen to review the post-construction O&M Plan requirements for permanently installed BMPs as part of MTA's CPEC Program; and

- Annual training on stormwater, erosion/sedimentation control and spill prevention topics for both MTA's Highway Maintenance and Engineering personnel.

In addition to the daily maintenance operations completed by MTA's Highway Maintenance Department, a thorough inspection of MTA's ROW is conducted each year by an engineering contractor. This inspection (generally referred to as the "Annual Inspection") addresses pavement, cut sections, embankments, bridges, roadway lighting, drainage structures, signs, pavement markings, toll plazas, utility buildings, service areas, maintenance areas and other facilities. Upon completion of the inspection, MTA receives a report that provides advice and recommendations as to the proper maintenance, repair, and operation of the Highway during the ensuing fiscal year.

#### **IV. ADDITIONAL PROGRAMS AND TRAININGS**

In 2014, the MTA's CPEC program was utilized to manage, monitor and document stormwater-based compliance issues in order to ensure stormwater-related activities and other environmental considerations are documented and filed in a single binder for each construction project. The CPEC binders provide project-based compliance documentation from Project Development (e.g., planning, permitting, design, etc.) through Post-Construction, when projects are inspected by the Highway Maintenance Foremen as part of the O&M Plans for recently completed projects. The implementation of the CPEC Program ensures compliance with Chapter 500/MOA requirements and the applicable Maine Pollutant Discharge Elimination System (MEPDES) Program permits, such as the Municipal Separate Storm Sewer System (MS4) permit and the Maine Construction General Permit (MCGP).

Each year, the MTA conducts stormwater training for employees in accordance with its Stormwater Program Management Plan (SPMP). This stormwater training is combined with Erosion and Sedimentation Control (ESC) training and includes a discussion of the MOA. The training was held in May 2014 and was attended by 90 MTA employees, including maintenance personal and engineering inspectors.

#### **V. CONSTRUCTION PROJECTS PLANNED FOR 2015**

In 2015, MTA will focus primarily on bridge repair/rehabilitation and pavement rehabilitation/resurfacing with additional projects involving clearing, toll conversions, and interchange improvements. These projects are summarized in **Table 2**. As seen in **Table 2**, several 2014 projects are expected to extend into 2015, and with the exception of the Gray Park and Ride Project (2015.14), all projects are located within an existing travel corridor. The Gray Park and Ride and Preload for Gray Interchange (2015.14) is expected to create an additional 48,500 square feet of impervious cover, and therefore will be subject to the Stormwater General Standards under Chapter 500. The Exit 80 Reconstruction Project (2014.10) is expected to extend through 2015. The Exit 80 project is also subject to the Chapter 500 General Standards during construction.

The CPEC program will be utilized for these projects to ensure and document compliance with Chapter 500/MOA requirements and other environmental considerations. Post-construction O&M Plans will be prepared and implemented for newly installed BMPs to facilitate long-term functionality and treatment efficacy.

MTA's Highway Maintenance Department has no specific plans to perform new construction projects with BMP requirements beyond the Chapter 500 Basic Standards. Construction projects to be performed by MTA Highway Maintenance are anticipated to be limited to improvements to existing infrastructure and the associated land disturbances are expected to be limited in nature.

## VI. STORMWATER MOA OVERSIGHT

Stormwater MOA compliance and oversight is provided by the following MTA personnel, most of whom are professional engineers and/or certified under the DEP's Non-Point Source Training Program:

<b>MTA Personnel</b>	<b>MTA Job Title</b>
John Branscom	<i>Environmental Services Coordinator</i>
Peter Merfeld, P.E.	<i>Chief Operations Officer</i>
<b><i>MTA Engineering Personnel</i></b>	
Steve Tartre, P.E.	<i>Director of Engineering and Building Maintenance</i>
Scott Warchol	<i>Construction Program Manager</i>
Jeff Nadeau, P.E.	<i>Resident Engineer</i>
Ralph Norwood, P.E.	<i>Project Manager</i>
J. Ryan Leavitt, P.E.	<i>Senior Resident Engineer</i>
Scott McConihe	<i>Inspector</i>
Gerry Ouellette	<i>Inspector</i>
Jody Dyke	<i>Inspector</i>
<b><i>MTA Highway Maintenance Personnel</i></b>	
William Wells	<i>Director of Highway &amp; Equipment Maintenance</i>
Brian Taddeo, P.E.	<i>Highway Maintenance Engineer</i>
Roger Mathews	<i>Highway Division Supervisor</i>
Andy Perry	<i>Highway Division Supervisor</i>
Dale Cook	<i>Foreman at Gardiner and Litchfield Highway Maintenance Facility</i>
Rick Dionne	<i>Foreman at Auburn Highway Maintenance Facility</i>
Jeff Stevens	<i>Foreman at Gray Highway Maintenance Facility</i>
Bill Thompson	<i>Foreman at South Portland (Crosby) Highway Maintenance Facility</i>
Jim Sotir	<i>Foreman at Kennebunk Highway Maintenance Facility</i>
Joe Violette	<i>Foreman at York Highway Maintenance Facility</i>

In addition to these MTA staff, several engineering consulting contractors provide additional technical and professional services to MTA regarding stormwater and erosion control maintenance, inspection, design, planning, permitting and compliance.

**VII. CONCLUSION**

MTA consistently applies appropriate engineering design and construction practices to its projects to successfully meet the requirements of the current stormwater MOA. MTA management remains committed to post-construction operations and maintenance, and increased education for its employees. MTA proactively manages stormwater and erosion control issues to protect the environment and comply with the conditions contained in the current MOA.

# **TABLES**

Table 1 – Review of 2014 MTA Construction Projects

Table 2 – Review of 2015 MTA Construction Projects

**TABLE 1**  
**REVIEW OF 2014 MTA CONSTRUCTION PROJECTS**  
Based on MaineDOT ENV Ch 500/MOA Flowchart

Contract Number	Contract Type	Description of Work	Existing Corridor	Applicable Standards <sup>1</sup>	Limits of Disturbance (LOD)	Amount of New Impervious Cover (IC) or Developed Area	Located within UIS?	MOA Reportable <sup>3</sup>	Other Stormwater Permits
2014.01	Resurfacing	<b>Kennebunk/Arundel:</b> Pavement Rehabilitation and Bridge Deck Resurfacing MM 23.3 to MM 30.3 (Mousam River and Kennebunk River Bridges)	Yes	Basic <sup>2</sup>	0.5 acres	No changes expected	No	No	None
2014.02	Other (Clearing)	<b>Gray/New Gloucester/Auburn:</b> Roundside Clearing MM 63.0-75.3	Yes	Basic <sup>2</sup>	-	No changes expected	No	No	None
2014.03	Resurfacing	<b>West Gardiner/Augusta:</b> Pavement Rehabilitation MM 102.6 and MM 109.1 and Guardrail and Clearzone Improvements MM 100.3 to MM 109.1	Yes	Basic <sup>2</sup>	0.99 acres	No changes expected	No	No	None
2014.04	Bridge Repair & Rehabilitation	<b>Saco/Biddeford:</b> Bridge Painting at Saco River Overpass MM 33.0	Yes	Basic <sup>2</sup>	0.52 acres	No changes expected	No	No	MS4 UA
2014.06	Bridge Repair & Rehabilitation	<b>Litchfield:</b> Bridge Superstructure Replacement at West Road Underpass MM 91.0	Yes	Basic <sup>2</sup>	2.4 acres	No changes expected	No	No	MCGP
2014.07	Bridge Repair & Rehabilitation	<b>Hallowell/Litchfield:</b> Superstructure Replacement at Litchfield Road Underpass MM 106.90, Vaughn Brook Culvert Repairs MM 106.94, and Potters Brook Culvert Repairs MM 96.6	Yes	Basic <sup>2</sup>	1.38 acres	No changes expected	No	No	MCGP
2014.08	Resurfacing	<b>Cumberland/Falmouth/Gray:</b> Pavement Rehabilitation, Guiderail, and Drainage Improvements MM 57.0 to 59.5 (NB only), Median Opening at MM 56.9, and Median Crossovers For Piscataqua River Bridges at MM 55.5 and MM 56.6	Yes	Basic <sup>2</sup>	1.93 acres	48,787 sf of New Impervious Cover	No	No	MCGP
2014.10	Interchange Improvements	<b>Lewiston:</b> Interchange Improvements to Exit 80 – Phase II (Bridge and Mainline) MM 80.3	Yes	Basic <sup>2</sup> + General	14.4 acres	34,000 sf of New Impervious Cover 110,000 sf of New Landscaped Area	<b>Yes (Hart Brook)</b>	<b>Yes</b>	MS4 UA, MCGP, Individual Stream Permit
2014.11	Bridge Repair & Rehabilitation	<b>Portland:</b> Bridge Repairs at Stroud water River Bridges MM 46.7 and Maine Central Railroad Bridges MM 47.9	Yes	Basic <sup>2</sup>	0.94 acres	No changes expected	<b>Yes (Nasons Brook)</b>	No	MS4 UA
2014.12	Bridge Repair & Rehabilitation	<b>West Gardiner:</b> Bridge Repairs at Route 126 Underpass MM 101.7	Yes	Basic <sup>2</sup>	0.8 acres	No changes expected	No	No	None
2014.13	Bridge Repair & Rehabilitation	<b>Falmouth:</b> Piscataqua River Bridge Repairs MM 55.5 to MM 56.6 (Piscataqua Bridge Structures #28 & #31)	Yes	Basic <sup>2</sup>	0.84 acres	No changes expected	No	No	None
2014.14	Bridge Repair & Rehabilitation	<b>Portland:</b> Bridge Repairs at Forest Ave MM 50.0 and Riverside St MM 51.2	Yes	Basic <sup>2</sup>	0.95 acres	No changes expected	No	No	MS4 UA
2014.15	Bridge Repair & Rehabilitation	<b>Falmouth/Gray/Lewiston/West Gardiner:</b> Bridge and Culvert Repairs at Falmouth Rd Underpass Bridge MM F1.7, Center Road Underpass Bridge MM 62.9, No-Name River Culvert MM 82.5, Lison Rd Underpass Bridge MM 84.3	Yes	Basic <sup>2</sup>	0.9 acres	No changes expected	No	No	Portions MS4 UA
2014.16	Bridge Repair & Rehabilitation	<b>York:</b> Wearing Surface Replacement and Substructure Rehabilitation at York River Bridge MM 5.20 and Web Stiffener Rehabilitation at Cutts Road Bridge MM 3.10	Yes	Basic <sup>2</sup>	1.74 acres	16,553 sf of New Impervious Cover	No	No	MS4 UA, MCGP
2014.17	Interchange Improvements	<b>Lewiston:</b> Exit 80 - Phase II (Crossover) MM 80.3	Yes	Basic <sup>2</sup> + General	14.4 acres	14,300 sf of New Impervious Cover 46,800 sf of New Landscaped Area	<b>Yes (Hart Brook)</b>	<b>Yes</b>	MS4 UA
2014.51	Other	<b>Gardiner:</b> Gardiner Overheight Detection (MM 103-109)	Yes	Basic <sup>2</sup>	-	No changes expected	No	No	None
2014.52	Other (Clearing)	<b>Falmouth/Gray:</b> Clearzone Improvements MM 53 - 63	Yes	Basic <sup>2</sup>	-	No changes expected	No	No	Portions MS4 UA
2014.53	Toll Improvements	<b>Various Locations:</b> Toll System Support Upgrades (Cash Lane Conversion: 19, 46, 48, 52)	Yes	Basic <sup>2</sup>	0.4 acres	No changes expected	<b>Yes (Long Creek/Capisc Brook)</b>	No	Portions MS4 UA

**NOTES:**

1 - Applicable Standards refer to Chapter 500 Stormwater Management as it applies through MaineDOT's ENV OFFICE "DEP Stormwater Rule Compliance Flowchart"

2 - "Basic Standards" applies unless 1 acre or more of new impervious OR > 5 acres of developed area are anticipated.

3 - "MOA Reportable" indicates that the project may require Ch 500 BMPs beyond Basic Standards (e.g., General Standards to the Extent Practicable with DEP Consultation) as per the current MOA and Flowchart above. MOA reportable projects included those projects with greater than 1 acre of new impervious cover (IC) or greater than 5 acres of developed area or projects located within an urban impaired stream with greater than 20,000 SF of new IC or greater than 5 acres of developed area.

UIS = "Urban Impaired Stream" as listed in Chapter 502;

"Developed Area" excluding area that within one calendar year of being disturbed is returned to a condition with the same drainage pattern that existed prior to the disturbance and is revegetated, provided the area is not mowed more than once per year.

LOD = "Limits of Disturbance" greater than or equal to 1 acre may trigger Maine Construction General Permit (MCGP) coverage

**TABLE 2**  
**REVIEW OF 2015 MTA CONSTRUCTION PROJECTS**  
Based on MaineDOT ENV Ch 500/MOA Flowchart

Contract Number	Contract Type	Description of Work	Existing Corridor	Applicable Standards <sup>1</sup>	Limits of Disturbance (LOD)	Amount of New Impervious Cover (IC) or Developed Area	Located within UIS?	MOA Reportable <sup>3</sup>	Other Stormwater Permits
<b>Previous Year's Construction Projects Active in 2015</b>									
2014.01	Resurfacing	<b>Kennebunk/Arundel:</b> Pavement Rehabilitation and Bridge Deck Resurfacing MM 23.3 to MM 30.3 (Mousam River and Kennebunk River Bridges)	Yes	Basic <sup>2</sup>	0.5 acres	No changes expected	No	No	None
2014.03	Resurfacing	<b>West Gardiner/Augusta:</b> Pavement Rehabilitation MM 102.6 and MM 109.1 and Guardrail and Clearzone Improvements MM 100.3 to MM 109.1	Yes	Basic <sup>2</sup>	0.99 acres	No changes expected	No	No	None
2014.04	Bridge Repair & Rehabilitation	<b>Saco/Biddeford:</b> Bridge Painting at Saco River Overpass MM 33.0	Yes	Basic <sup>2</sup>	0.52 acres	No changes expected	No	No	MS4 UA
2014.08	Resurfacing	<b>Cumberland/Falmouth/Gray:</b> Pavement Rehabilitation, Guardrail, and Drainage Improvements MM 57.0 to 59.5 (NB only), Median Opening at MM 56.9, and Median Crossovers For Piscataqua River Bridges at MM 55.5 and MM 56.6	Yes	Basic <sup>2</sup>	1.93 acres	48,787 sf of New Impervious Cover	No	No	MCGP
2014.10	Interchange Improvements	<b>Lewiston:</b> Interchange Improvements to Exit 80 – Phase II (Bridge and Mainline) MM 80.3	Yes	Basic <sup>2</sup> + General	14.4 acres	34,000 sf of New Impervious Cover 110,000 sf of New Landscaped Area	<b>Yes (Hart Brook)</b>	<b>Yes</b>	MS4 UA, MCGP, Individual Stream Permit
2014.11	Bridge Repair & Rehabilitation	<b>Portland:</b> Bridge Repairs at Stroudwater River Bridges MM 46.7 and Maine Central Railroad Bridges MM 47.9	Yes	Basic <sup>2</sup>	0.94 acres	No changes expected	<b>Yes (Nasons Brook)</b>	No	MS4 UA
2014.12	Bridge Repair & Rehabilitation	<b>West Gardiner:</b> Bridge Repairs at Route 126 Underpass MM 101.7	Yes	Basic <sup>2</sup>	0.8 acres	No changes expected	No	No	None
2014.13	Bridge Repair & Rehabilitation	<b>Falmouth:</b> Piscataqua River Bridge Repairs MM 55.5 to MM 56.6 (Piscataqua Bridge Structures #28 & #31)	Yes	Basic <sup>2</sup>	0.84 acres	No changes expected	No	No	None
2014.14	Bridge Repair & Rehabilitation	<b>Portland:</b> Bridge Repairs at Forest Ave MM 50.0 and Riverside St MM 51.2	Yes	Basic <sup>2</sup>	0.95 acres	No changes expected	No	No	MS4 UA
2014.15	Bridge Repair & Rehabilitation	<b>Falmouth/Gray/Lewiston/West Gardiner:</b> Bridge and Culvert Repairs at Falmouth Rd Underpass Bridge MM F1.7, Center Road Underpass Bridge MM 62.9, No-Name River Culvert MM 82.5, Lison Rd Underpass Bridge MM 84.3	Yes	Basic <sup>2</sup>	0.9 acres	No changes expected	No	No	Portions MS4 UA
2014.16	Bridge Repair & Rehabilitation	<b>York:</b> Wearing Surface Replacement and Substructure Rehabilitation at York River Bridge MM 5.20 and Web Stiffener Rehabilitation at Cutts Road Bridge MM 3.10	Yes	Basic <sup>2</sup>	1.74 acres	16,553 sf of New Impervious Cover	No	No	MS4 UA, MCGP
2014.17	Interchange Improvements	<b>Lewiston:</b> Exit 80 Crossover	Yes	Basic <sup>2</sup> + General	14.4 acres	14,300 sf of New Impervious Cover 46,800 sf of New Landscaped Area	<b>Yes (Hart Brook)</b>	<b>Yes</b>	MS4 UA
2014.51	Other	<b>Gardiner:</b> Gardiner Overheight Detection (MM 103-109)	Yes	Basic <sup>2</sup>	-	No changes expected	No	No	None
2014.52	Other (Clearing)	<b>Falmouth/Gray:</b> Clearzone Improvements MM 53 - 63	Yes	Basic <sup>2</sup>	-	No changes expected	No	No	Portions MS4 UA
2014.53	Toll Improvements	<b>Various Locations:</b> Toll System Support Upgrades (Cash Lane Conversion: 19, 46, 48, 52)	Yes	Basic <sup>2</sup>	0.4 acres	No changes expected	<b>Yes (Long Creek/Capisc Brook)</b>	No	Portions MS4 UA

**TABLE 2**  
**REVIEW OF 2015 MTA CONSTRUCTION PROJECTS**  
Based on MaineDOT ENV Ch 500/MOA Flowchart

Contract Number	Contract Type	Description of Work	Existing Corridor	Applicable Standards <sup>1</sup>	Limits of Disturbance (LOD)	Amount of New Impervious Cover (IC) or Developed Area	Located within UIS?	MOA Reportable <sup>3</sup>	Other Stormwater Permits
<b>Construction Projects Anticipated in 2015</b>									
2015.01	Resurfacing & Bridge Repairs	<b>Portland/Falmouth:</b> Pavement Rehabilitation MM 51.2 to MM 54.5 and F 0.0 to F 3.8, Guiderail and Clear Zone Improvements MM 51.1 to MM 55.0 and F 0.0 to F 3.8, and Route 9 Bridge Repairs F 3.7	Yes	Basic <sup>2</sup>	2.26 acres	No changes expected	No	No	Portions MS4 UA, MSGP
2015.02	Resurfacing & Bridge Repairs	<b>New Gloucester/Auburn:</b> Pavement Rehabilitation MM 68 to MM 75 and Bald Hill Road Bridge Repairs	Yes	Basic <sup>2</sup>	0.5 acres	No changes expected	No	No	Portions MS4 UA
2015.03	Resurfacing & Bridge Repairs	<b>South Portland/Portland:</b> Bridge Repairs at Exit 45 Bridge MM 44.9 and Exit 46 Bridge MM 46.3, Pavement Rehabilitation at Exit 46 MM 46.3, and Miscellaneous Turnpike Repairs MM 44.0 to MM 49.01 and F 0.6	Yes	Basic <sup>2</sup>	0.62 acres	10,700 sf of New Impervious Cover	<b>Yes (Long Creek/ Nasons Brook/ Capisic Brook)</b>	No	MS4 UA
2015.04	Bridge Repair & Rehabilitation	<b>Kittery/York:</b> Southerly Bridge Repairs - Route 1 On-Ramp (Ramp H) Underpass MM 1.8, Route 1 SB Over I-95 On-Ramp (Ramp M), Mountain Rd Underpass MM 10.6, Clay Hill Rd Underpass MM 11.9, Cape Neddick River Culvert MM 9.6, Josias River Culvert MM 11.8	Yes	Basic <sup>2</sup>	0.1 acres	No changes expected	No	No	Portions MS4 UA
2015.05	Interchange Improvements	<b>Wells:</b> Wells Interchange Capacity Improvements	Yes	Basic <sup>2</sup>	0.21 acres	573 sf of New Impervious Cover	No	No	None
2015.06	Other (Lane Addition)	<b>Saco/Arundel:</b> Saco Toll Plaza (Interchange 36) Lane Addition and Variable Message Sign Relocation to Mainline in Arundel MM 28.3	Yes	Basic <sup>2</sup>	2.59 acres	16,171 sf of New Impervious Cover	<b>Yes (Goosefare Brook)</b>	No	Portions MS4 UA, MSGP
2015.07	Other (Clearing)	<b>Auburn/Leiwiston/Litchfield/West Gardiner/Gardiner/Augusta:</b> Cleaing MM 75-83 and 99.2-109.1	Yes	Basic <sup>2</sup>	-	No changes expected	<b>Yes (Hart Brook)</b>	No	Portions MS4 UA
2015.09	Other (Toll Upgrades)	<b>Falmouth:</b> Toll system upgrades at Exit 53 (MM 52.4)	Yes	Basic <sup>2</sup>	3.68	12,040 sf of New Impervious Cover	No	No	MS4 US, MSGP
2015.10	Bridge Repair & Rehabilitation	<b>Litchfield:</b> Superstructure Replacement at Lunts Hill Road Underpass MM 99.0	Yes	Basic <sup>2</sup>	0.99 acres	No changes expected	No	No	None
2015.11	Other (Toll Conversion)	<b>West Gardiner:</b> West Gardiner Barrier Toll Plaza Open Road Tolling Conversion MM 100.2	Yes	Basic <sup>2</sup>	4.1 acres	9,588 sf of New Impervious Cover	No	No	MSGP
2015.12	Other (Toll Upgrades)	<b>Biddeford/Saco/Portland:</b> Toll system support upgrades at Exits 32, 36, and 46 NB (MM 31.6, 35.7, and 46.4)	Yes	Basic <sup>2</sup>	2.77	27,007 sf of New Impervious Cover	<b>Yes (Goosefare Brook/ Long Creek)</b>	No	MS4 US, MSGP
2015.13	Other (Toll Conversion)	<b>Falmouth:</b> Exit 52 Open Road Tolling Conversion	Yes	Basic <sup>2</sup>	7.62 acres	96,406 sf of New Impervious Cover	No	No	MSGP
2015.14	Other	<b>Gray:</b> Gray Park and Ride and Preload for Gray Interchange (Exit 63)	No	Basic <sup>2</sup>	6.35 acres	48,550 sf of New Impervious Cover	No	<b>Yes</b>	MSGP
2015.51	Bridge Repair & Rehabilitation	<b>Auburn:</b> Hackett Road Bridge Repair	Yes	Basic <sup>2</sup>	TBD	No changes expected	No	No	None
2015.52	Other	Tree Planting	Yes	Basic <sup>2</sup>	TBD	No changes expected	TBD	No	TBD

**NOTES:**

1 - Applicable Standards refer to Chapter 500 Stormwater Management as it applies through MaineDOT's ENV OFFICE "DEP Stormwater Rule Compliance Flowchart"

2 - "Basic Standards" applies unless 1 acre or more of new impervious OR > 5 acres of developed area are anticipated.

3 - "MOA Reportable" indicates that the project may require Ch 500 BMPs beyond Basic Standards (e.g., General Standards to the Extent Practicable with DEP Consultation) as per the current MOA and Flowchart above. MOA reportable projects included those projects with greater than 1 acre of new impervious cover (IC) or greater than 5 acres of developed area or projects located within an urban impaired stream with greater than 20,000 SF of new IC or greater than 5 acres of developed area.

UIS = "Urban Impaired Stream" as listed in Chapter 502; UA = "Urbanized Area" regulated by MEPDES MS4 permit

"Developed Area " excluding area that within one calendar year of being disturbed is returned to a condition with the same drainage pattern that existed prior to the disturbance and is revegetated, provided the area is not mowed more than once per year.