



**GEORGIA NOTICE OF INTENT (NOI)**

NPDES Permit No. GAR041000

Georgia Department of Transportation (GDOT)

Municipal Separate Storm Sewer System (MS4)

**1. General Information**

- A. Name of MS4: Georgia Department of Transportation
- B. Responsible Official:  
Name: Meg Pirkle, P.E.  
Title: Chief Engineer  
Mailing Address: 600 West Peachtree Steet, 22<sup>nd</sup> Floor  
City: Atlanta State: Georgia Zip Code: 30308  
Telephone Number: 404-631-1004
- C. Designated stormwater management program contact:  
Name: Brad McManus, P.E.  
Title: Design Group Manager  
Mailing Address: Office of Design Policy and Support, 600 West Peachtree Street, 26<sup>th</sup> Floor  
City: Atlanta State: Georgia Zip Code: 30308  
Telephone Number: 404-631-1630  
Email Address: bmcmanus@dot.ga.gov
- D. Address of GDOT's central office:  
Street: 600 West Peachtree Street  
City: Atlanta State: Georgia Zip Code: 30308
- E. Provide the latitude and longitude of GDOT's central office using Global Positioning System (GPS) – WGS84:  
Latitude: 33.770778 Longitude: -84.388158

**2. Sharing Responsibility**

- A. Has another entity agreed to implement a control measure on your behalf?  
Yes \_\_\_\_\_ No X (If no, skip to Part 3)

Control Measure #1:

1. Name of entity: \_\_\_\_\_

2. Control measure or component of control measure to be implemented by entity on your behalf:

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- B. Attach an additional page, if necessary, to list additional shared responsibilities. **It is mandatory that you submit a copy of a written agreement between GDOT and the other entity demonstrating written acceptance of responsibility.**

**3. Public/Private Partnership (P3)**

- A. Has GDOT entered into any Public/Private Partnerships for the operation of any GDOT facilities? Yes \_\_\_\_\_ No X (If no, skip to Part IV)
- B. Agreement #1:
1. Name or type of facility: \_\_\_\_\_
2. Location(s) of facility: \_\_\_\_\_
- C. Agreement #2:
1. Name or type of facility: \_\_\_\_\_
2. Location(s) of facility: \_\_\_\_\_
- D. Attach additional pages, if necessary, to list additional agreements or information specific to Agreements #1 or #2. **It is mandatory that GDOT submit a copy of a written agreement between GDOT and the partner.**

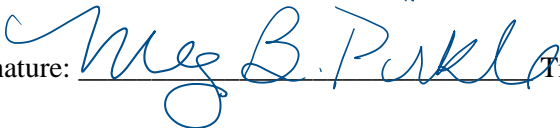
**4. Storm Water Management Program**

- A. Public Education and Outreach - (complete Appendix A)
- B. Public Involvement/Participation - (complete Appendix B)
- C. Illicit Discharge Detection and Elimination – (complete Appendix C)
- D. Construction Site Stormwater Runoff Control – (complete Appendix D)
- E. Post-Construction Stormwater Management in New Development and Redevelopment – (complete Appendix E)
- F. Pollution Prevention/Good Housekeeping – (complete Appendix F)

5. **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Meg B. Pirkle P.E      Date: 06/29/2022

Signature:  Title: Chief Engineer

## **Stormwater Management Program**

### **Appendix A**

#### **Public Education and Outreach on Stormwater Impacts**

40 CFR Part 122.34(b)(1) Requirement: Implement a public education program to distribute educational materials to the community and/or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. The program should consider topics such as litter control, illicit discharges and Green Infrastructure, Low Impact Development. At a minimum, the permittee's education program should address the general public, contractors, and employees. The program shall, at a minimum, contain all the elements shown in Table 4.2.1 NPDES Permit No. GAR041000, and the activities must be conducted at least annually.

#### **A. Best Management Practice (BMP) #1: Website**

1. Target Audience: General Public, Contractors, and Employees
2. Description of BMP: GDOT's stormwater pollution prevention website is used to educate the public on stormwater related topics and includes a webform for the public to submit complaints or feedback. Traffic on the website is tracked by using the number of "hits".
3. Measurable Goal(s):
  - i. Maintain a stormwater and pollution prevention web page that educates the public on stormwater related topics.
  - ii. Using a counter, track the traffic on the website and include the number of "hits" during the reporting period in the annual report.
  - iii. Update the website annually and provide specifics on the updates made during the reporting period in each annual report.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Strategic Communications and Office of Design Policy and Support.
6. Rationale for choosing BMP and setting measurable goal(s): To educate the general public, GDOT employees and contractors working for GDOT on the possible sources of stormwater pollution from GDOT operations and means to mitigate.

**B. BMP #2 Training Program**

1. Target Audience: Contractors and Employees
2. Description of BMP: Implement a training program to educate GDOT contractors and employees conducting activities that may impact stormwater runoff. GDOT's training program includes training for erosion and sedimentation control, good housekeeping and pollution prevention measures, spill prevention, and illicit discharge detection among others. GDOT's training program is evaluated each year. Description of the courses and minimum frequency to be offered are included in the annual report.
3. Measurable Goal(s):
  - i. Implement a training plan that will include at a minimum one offering (provided there are a minimum of 20 attendees) of the courses for Georgia Soil and Water Conservation Commission (GSWCC) Level II Certification, GSWCC Level II Re-Certification, GSWCC Level IA Certification, GSWCC Level IA Re-Certification, Worksite Erosion Control Supervisor (WECS), Post-Construction Stormwater for Design Professionals (PCS) including GI/LID practices, Stormwater Pollution Prevention (F-SWPP) and Illicit Discharge Detection and Elimination (IDDE), and Inspection and Maintenance (I&M) with IDDE.
  - ii. In each annual report include a list of classes held and sign-in sheets.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support and Office of Training.
6. Rationale for choosing BMP and setting measurable goal(s): To educate the general public, GDOT employees and contractors working for GDOT on the possible sources of stormwater pollution from GDOT operations and means to mitigate.
7. On SWMP Flash Drive: GDOT MS4 Permit - Training Program and Schedule Summary Reporting Year 2022 (filename: Training Program Reporting Year 2022.pdf); Example course sign-in sheet (filename: Example Course Sign in Sheet.pdf)

**C. BMP #3 Educational Materials**

1. Target Audience: General Public
2. Description of BMP: Implement a program for distribution of stormwater related educational materials to the public. GDOT developed “On the Road” and “Prevent Litter” Rain Check cards and an “After the Storm: Stormwater Pollution Solutions” brochure. The Rain Check cards are distributed at GDOT welcome centers along interstates. The Rain Check cards and brochure are available on GDOT’s stormwater pollution prevention website.
3. Measurable Goal(s):
  - i. Persons responsible for restocking welcome center education materials will be contacted annually at a minimum for restocking. The type and number of cards stocked at each welcome center will be tracked and reported in the annual report.
  - ii. Maintain a digital copy of the rain check cards as well as the “After the Storm: Stormwater Pollution Solutions” brochure on GDOT’s stormwater pollution prevention website.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.
6. Rationale for choosing BMP and setting measurable goal(s): The materials are distributed to educate the public on stormwater impacts to receiving water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

**D. BMP #4 Educational Program in High Pedestrian Areas**

1. Target Audience: General Public
2. Description of BMP: Maintain pet waste program and implement storm drain marking. GDOT installed 6 pet waste stations within the MS4 Area to provide bags for waste collection in designated pet walk areas at six GDOT rest areas and welcome centers. GDOT will maintain the pet waste stations and replenish bags as required.
3. Measurable Goal(s):
  - i. Maintain the previously established 6 pet waste stations.
  - ii. Report number of pet waste bags purchased by GDOT for replenishing stations during reporting year in each annual report.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance.
6. Rationale for choosing BMP and setting measurable goal(s): To increase awareness among the public on environmental impacts of dumping substances, chemical and other items into storm drains. Encourage use of pet waste stations to properly dispose of pet waste.
7. On SWMP Flash Drive: GDOT MS4 Program Pet Waste Station Locations (filename: Pet Waste Station Locations 2022.pdf)

**E. BMP #5 Educational Program Targeting Litter**

1. Target Audience: General Public
2. Description of BMP: Implement an educational program on litter removal for the public. GDOT established the “Keep it Clean Georgia” campaign focused on preventing and eliminating litter. GDOT will continue to maintain this program by providing a “Keep it Clean Georgia Tips and Tricks” guide, fact sheets on economic and environmental impact, and a program overview document.
3. Measurable Goal(s):
  - i. Maintain the Keep it Clean Georgia Campaign and evaluate annually for improvements.
  - ii. In each annual report details will be provided on public education materials made available through the campaign website at the time of the report development.
  - iii. Web and social analytics for the reporting year will be provided in the annual report. This includes the number of website views and the details on social engagement and impressions.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Strategic Communications.
6. Rationale for choosing BMP and setting measurable goal(s): To increase awareness among the public on environmental and economic impacts of litter waste. To provide information and facts on litter reduction.
7. On SWMP Flash Drive: The Keep it Clean Georgia “Tips & Tricks” (filename: Keep it Clean Georgia Tips and Tricks.pdf), “Economic Impact Fact Sheet” (filename: Keep it Clean Georgia Economic Impact Fact Sheet.pdf), “Environmental Impact Fact Sheet” (filename: Keep it Clean Georgia Environmental Impact Fact Sheet.pdf), and the “Program Overview” (filename: Keep it Clean Georgia Program Overview.pdf) print collaterals.



**D. BMP #6 Posting of SWMP**

1. Target Audience: General Public
2. Description of BMP: Posting of the SWMP to the GDOT website.
3. Measurable Goal(s):
  - i. Post the latest approved SWMP to the GDOT website and provide documentation of the posting in the annual report.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: Within 45 days of SWMP approval by Georgia EPD.
  - iii. Frequency of actions: As needed
  - iv. Month/year of each action: As needed
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.
6. Rationale for choosing BMP and setting measurable goal(s): Provides the public more information on the program and access to the Stormwater Management Program.

**Appendix B**  
**Public Involvement/Participation**

40 CFR Part 122.34(b)(2) Requirement: Implement a public involvement/participation program. Comply with State and local public notice requirements when implementing a public involvement/participation program. The program shall, at a minimum, contain the elements shown in Table 4.2.2 of NPDES Permit No. GAR041000, and the activities must be conducted at least annually.

**A. Best Management Practice (BMP) #1 Litter Removal**

1. Target Audience/ Stakeholder group: General Public
2. Description of BMP: GDOT will continue to be involved with Sponsor-A-Highway, the Great American Clean Up, Keep Georgia Beautiful, Keep it Clean Georgia, and Adopt-A-Highway programs.
3. Measurable Goal(s):
  - i. Report the number of roadway miles and bags of trash collected from Sponsor-A-Highway program during the reporting period in each annual report. Reporting will be county-wide for counties containing MS4 areas. Reported segments may be located within or outside of GDOT's MS4 Permitted Area.
  - ii. Web and social analytics for the reporting year will be provided in the annual report from the Keep It Clean Georgia campaign. This includes the number of website views and the details on social engagement and impressions.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance and Office of Strategic Communications.
6. Rationale for choosing BMP and setting measurable goal(s): Public involvement through the Adopt-A-Highway, Adopt-A-Stream, Keep Georgia Beautiful, and the Keep it Clean Georgia programs will help to increase pollution prevention and build awareness around litter being a pollutant and reduce the amount of trash entering state waterways.
7. On SWMP Flash Drive: Sponsor-A-Highway Program Routes and trash bag counts (filename: Sponsor A Highway Program Routes 2021.pdf)

**B. BMP #2 Public Information Open Houses**

1. Target Audience/ Stakeholder group: General Public
2. Description of BMP: Continue to present GDOT's Stormwater Management Program (SWMP) display at Public Information Open Houses (PIOHs), as feasible. PIOHs are held for major GDOT projects and offer a means to educate the public about stormwater and pollution prevention (PIOH display) and obtain feedback. The display may be used within or outside of GDOT's MS4 Permitted Area and the locations included in the Annual Report. Specific locations in relation to the Permitted Area will be provided, if requested by EPD.
3. Measurable Goal(s):
  - i. Present previously developed SWMP display at PIOHs.
  - ii. Report on the number of open houses held during the reporting period and the location of the project in each annual report.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support and Office of Environmental Services.
6. Rationale for choosing BMP and setting measurable goal(s): To educate the general public on GDOT's NPDES permit/SWMP (display) and provide opportunity for feedback by implementing a public involvement / participation program.

**C. BMP #3 Memorandum of Agreements (MOAs)**

1. Target Audience/ Stakeholder group: Other MS4 Designated Communities
2. Description of BMP: Develop and enter into MOAs with other MS4s for sharing in operational activities related to the GDOT's MS4, where applicable, and in accordance with Part 4.3 of the GDOT NPDES Permit (GAR 041000).
3. Measurable Goal(s):
  - i. Track the number of MOAs containing stormwater related tasks executed during the reporting period and include information on each MOA in each annual report.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support and Office of Maintenance.
6. Rationale for choosing BMP and setting measurable goal(s): Where mutually beneficial and appropriate assurances can be put in place, sharing of responsibilities can be beneficial to the environment and stakeholders' overall stormwater/MS4 program goals.
7. On SWMP Flash Drive: Memorandums of Agreement with MS4 Communities (filename: Memorandums of Agreement.pdf)

**Appendix C**  
**Illicit Discharge Detection and Elimination**

40 CFR Part 122.34(b)(3) Requirement: Develop, implement and enforce a program to detect and eliminate illicit discharges into the MS4. At a minimum, the program must contain the elements shown in Table 4.2.3 of NPDES Permit No. GAR041000 and the activities must be conducted at least annually, unless otherwise specified. GDOT must:

- Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the State that receive discharges from those outfalls;
- Prohibit through GDOT policy, non-stormwater discharges into the MS4 and implement appropriate procedures and actions for ensuring the discharges are eliminated to the maximum extent practicable;
- Develop and implement a plan to detect and address non-stormwater discharges, including illegal dumping, to the MS4;
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
- Address the following categories of non-stormwater discharges or flows (i.e. illicit discharges) only if they are identified as significant contributors of pollutants to GDOT's MS4:
  - water line flushing;
  - landscape irrigation;
  - diverted stream flows;
  - rising ground waters;
  - uncontaminated ground water infiltration (as defined in 40 CFR Part 35.2005(20));
  - uncontaminated pumped ground water;
  - discharges from potable water sources;
  - foundation drains;
  - air conditioning condensation;
  - irrigation water;
  - springs;
  - water from crawl space pumps;
  - footing drains;
  - lawn watering;
  - individual residential car washing;
  - flows from riparian habitats and wetlands;
  - dechlorinated swimming pool discharges;
  - street wash water; and
  - flows from fire-fighting activities.

**A. Best Management Practice (BMP) #1 Outfall Map and Inventory**

1. Description of BMP: Develop a storm sewer system map showing the location of all outfalls and the names and location of all waters of the State receiving discharges from those outfalls. Receiving streams with a trout stream designation will be noted on the map. GDOT's outfall inventory is housed in a Geographic Information Systems (GIS) database. The outfall inventory and map will be updated as new outfalls are added or removed due to construction projects or right-of-way/property transfers. Complete mapping of outfalls within the 2017 permitted areas by December 31, 2023. Complete mapping of the newly permitted areas in the 2022 permit by December 31, 2023. EPD will notify GDOT of any additional newly permitted areas added due to incorporation and/or designation after the effective date of this permit. Within 90 days of receipt of the notification, GDOT must submit a schedule to EPD for mapping the newly permitted area. EPD will review the schedule for approval or denial.
2. Measurable Goal(s):
  - i. Submit an inventory including the number of outfalls added during the reporting period, the total number of outfalls and an updated map showing the location of all outfalls and names and locations of all waters of the State receiving discharges from those outfalls. Indicate receiving streams with a trout stream designation on the map.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support and Office of Information Technology (GIS).
5. Rationale for choosing BMP and setting measurable goal(s): To develop an understanding of GDOT's drainage system and conduct dry-weather flow screening.
6. On SWMP Flash Drive: GDOT's outfall inventory as of December 31, 2021 (filename: Outfalls Inventory through December 31 2021.pdf). Statewide outfall inventory map (filename: SWMP Outfall Map Statewide through December 31 2021.pdf) and example close-up panel (filename: Outfall Map Detail December 31 2021.pdf).

**B. BMP #2 Policy Prohibiting Non-stormwater Discharges**

1. Description of BMP: GDOT's Illicit Discharge Detection and Elimination Plan describes the system of policies and procedures that prohibit non-stormwater discharges to the MS4. The IDDE Plan will be reviewed annually and revised if necessary. The revised policy will be submitted with that year's annual report.
2. Measurable Goal(s):
  - i. Submit proposed revisions to the policy, if any, for EPD approval.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: As needed
  - iv. Month/Year of each action: As needed
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support, District Traffic Operations and Office of Maintenance.
5. Rationale for choosing BMP and setting measurable goal(s): Prohibit non-stormwater discharges from entering or leaving GDOT's MS4.
6. On SWMP Flash Drive: Georgia Department of Transportation Illicit Discharge Detection and Elimination Plan (filename: IDDE Plan 2019-05-15\_Final.pdf)

**C. BMP #3 IDDE Plan**

1. Description of BMP: Implement GDOT's Illicit Discharge Detection and Elimination Plan. The plan includes field screening protocols, Dry-weather Outfall Screening Form, procedures for tracing dry weather flows, and procedures to report the discharge to EPD and neighboring jurisdiction, as appropriate. The plan also includes the procedure for GDOT district offices to provide information to the Central Office in a timely manner.
2. Measurable Goal(s):
  - i. Map and inspect outfalls identified in the drainage system inventory each reporting year with the preliminary mapping being completed (100% of the system inventory) by December 31, 2023 (see BMP #5 under Appendix F Pollution Prevention/ Good Housekeeping for Municipal-type Operations for description and schedule of drainage system inventory). Outfall inspections will be documented in GDOT's outfall database and a summary table will be provided in each annual report. The summary table will include the inspection date, Outfall ID, if flow was present, sensory parameters observed and water quality parameters tested. Dry-weather Outfall Screening Forms for each dry-weather inspection will be provided as back-up documentation.
  - ii. Following completion of 100% of the drainage system inventory by December 31, 2023 (see BMP #5 under Appendix F Pollution Prevention/ Good Housekeeping for Municipal-type Operations for description and schedule of drainage system inventory), conduct outfall inspections at a minimum rate of 5% annually, with 100% of the outfalls inspected in a 10-year period. Outfall inspections will be documented in GDOT's outfall database and a summary table will be provided in each annual report. The summary table will include the inspection date, Outfall ID, if flow was present, sensory parameters observed and water quality parameters tested. Dry-weather Outfall Screening Forms for each dry-weather inspection will be provided as back-up documentation.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.



5. Rationale for choosing BMP and setting measurable goal(s): To develop, implement and enforce a program to detect and eliminate illicit discharges.
6. On SWMP Flash Drive: Georgia Department of Transportation Illicit Discharge Detection and Elimination Plan (filename: IDDE Plan 2019-05-15\_Final.pdf)

**D. BMP #4 Illicit Discharge Source Tracing and Elimination**

1. Description of BMP: Implement procedures for tracing and eliminating any illicit discharges that are identified as significant contributor of pollutants. Tracing of an illicit discharge will be carried out to the source of the discharge, if within the GDOT right-of-way, or to the limits of GDOT's right-of-way if the discharge originates outside. These procedures are included in the Illicit Discharge Detection and Elimination Plan.
2. Measurable Goal(s):
  - i. Implement procedures for tracing 100% of identified illicit discharges.
  - ii. Notify adjacent MS4s for 100% of all illicit discharges that are from GDOT's MS4 to the adjacent MS4 or from the adjacent MS4 to GDOT's MS4.
  - iii. Notify EPD in a timely manner of 100% of all identified illicit discharges that are determined to be from an adjacent MS4.
  - iv. Report the number of illicit discharges identified, steps taken to eliminate the illicit discharges, adjacent MS4 contact information, and the number eliminated during the reporting year.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance and Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): To standardize dry weather flow tracing, if found during routine outfall inspections to minimize discharge of pollutants from GDOT rights-of-way.
6. On SWMP Flash Drive: Georgia Department of Transportation Illicit Discharge Detection and Elimination Plan (filename: IDDE Plan 2019-05-15\_Final.pdf)

**E. BMP #5 IDDE Education**

1. Target Audience: Public and Employees
2. Description of BMP: GDOTs existing training program includes a Stormwater Pollution Prevention (F-SWPPP) with an Illicit Discharge Detection and Elimination (IDDE) training course included and an Inspection and Maintenance (I&M) training course with IDDE training included which are offered to GDOT employees once per year. The Stormwater 101: Preserving the Quality of our Water slideshow located on the stormwater pollution prevention website targets the public and addresses illicit discharge prevention through proper waste disposal and reporting suspected illicit discharges on GDOT's website. GDOT will continue to implement the current program.
3. Measurable Goal(s):
  - i. Conduct at least one F-SWPPP and IDDE and one I&M and IDDE course during each reporting year. Provide location and sign-in sheets for each course offered during the reporting year.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support, Office of Strategic Communications, and Office of Training.
6. Rationale for choosing BMP and setting measurable goal(s): To educate the public and GDOT staff on identifying and reporting potential illicit discharges.
7. On SWMP Flash Drive: Under Appendix A, GDOT MS4 Permit - Training Program and Schedule Summary Reporting Year 2022 (filename: Training Program Reporting Year 2022.pdf)

**F. BMP #6 Complaint Response**

1. Description of BMP: GDOT’s present web-based system (REMEDY) is used for the public to submit complaints and feedback including complaints related to illicit discharges and illegal dumping. The complaints are received by Office of Design Policy and Support and the Environmental Compliance Specialists and are forwarded to the appropriate Office for further action. Handling of illicit discharge or illegal dumping related complaints will be tracked by the Office of Design Policy and Support or its consultant. The appropriate office will be notified within five business days of receiving a complaint. Timeframe for further handling and resolution will vary based on the nature of the complaint.

Complaints may also be received through the Transportation Management (511) Center or other means.

2. Measurable Goal(s):
  - i. Continue to use the web-based complaint receipt and tracking system as well as the Transportation Management (511) Center to receive complaints from the public related to illicit discharges.
  - ii. Provide a summary with each annual report outlining each illicit discharge complaint received and investigated during the reporting period. Inquiry ID, complaint date, resolved date, route / location, description of the nature of the complaint, source, action, and complaint status will be provided with each annual report as available. If the actual resolved date is unknown, the confirmation date that the complaint was resolved will be included in the Annual Report. Complaints will be reported county-wide for counties containing MS4 areas and may not necessarily be within the MS4 Permitted Area boundary.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support, Office of Strategic Communication, Office of Maintenance.

5. Rationale for choosing BMP and setting measurable goal(s): To maintain an effective complaint handling program and to track until resolved.
6. On SWMP Flash Drive: Example illicit discharge complaint tracking table (filename: Illicit Discharge Complaint Response.pdf)

**G. BMP #7 Spill Response**

1. Description of BMP: Implement spill response procedures for responding to and cleaning up spills, where GDOT has received notification of a spill as described in Section 5 of the IDDE Plan. Spills may be received through the Transportation Management (511) Center or other means. Information on complaints handled during the reporting period will be provided with each annual report.
2. Measurable Goal(s):
  - i. Maintain procedures for responding to and cleaning up spills to the MS4, where GDOT has received notification of such spill. If revised, submit the procedures to EPD for review and approval during that year's annual report.
  - ii. Implement the spill response procedures. Provide a report to EPD on any spills to the MS4 where GDOT has received notification, including the substance and amount, that occurred during the reporting period in each annual report. Spills will be reported county-wide for counties containing MS4 areas. Reported spills may be located within or outside of GDOT's MS4 Permitted Area. Specific locations in relation to the Permitted Area will be provided, if requested by EPD.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance.
5. Rationale for choosing BMP and setting measurable goal(s): To minimize the risk of spill discharges from GDOT's MS4.
6. On SWMP Flash Drive: Georgia Department of Transportation Illicit Discharge Detection and Elimination Plan (filename: IDDE Plan 2019-05-15\_Final.pdf); Example Spill Response Tracking Table (filename: Spill Response Tracking Table.pdf)

**Appendix D**  
**Construction Site Stormwater Runoff Control**

40 CFR Part 122.34(b)(4) Requirement: Develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Stormwater discharges from the permittee's construction activity disturbing less than one acres must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must contain the elements shown in Table 4.2.4 of NPDES Permit No. GAR041000 and the activities must be conducted annually, unless otherwise specified. The program must include:

- A) A contractual obligation mechanism to require erosion and sediment controls consistent with the Manual for Erosion and Sediment Control in Georgia and the Construction General Permits, as well as penalties to ensure compliance, to the extent allowable, under State or local law;
- B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
- D) Procedures for site plan review which incorporate consideration of potential water quality impacts;
- E) Procedures for receipt and consideration of information submitted by the public; and
- F) Procedures for site inspection and enforcement of control measures.

**A. Best Management Practice (BMP) #1 Contractual Obligation Mechanism**

1. Description of BMP: For applicable projects, GDOT requires all contractors to abide by erosion and sediment control laws through Standard Specification 161 Control of Soil Erosion and Sedimentation, Standard Specification 163 Miscellaneous Erosion Control Items, Standard Specification 165 Maintenance of Temporary Erosion and Sedimentation Control Devices, and Standard Specification 167 Water Quality Monitoring. GDOT will maintain the policies and procedures listed above. Subsequent versions will be posted on GDOT's website as those go into effect and submitted to EPD in that year's annual report.
2. Measurable Goal(s):
  - i. Maintain Standard Specification 161, Standard Specification 163, Standard Specification 165 and Standard Specification 167. Evaluate the mechanism each year and if they are revised during the reporting year, GDOT will submit the revisions to EPD in that year's annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Construction.
5. Rationale for choosing BMP and setting measurable goal(s): To enforce applicable erosion and sediment control laws to reduce pollutants from GDOT's construction activities that result in a land disturbance of greater than or equal to one acre.
6. On SWMP Flash Drive: Section 161 – Control of Soil Erosion and Sedimentation (filename: 161.pdf); Section 163 – Miscellaneous Erosion Control Items (filename: 163.pdf); Section 165 – Maintenance of Temporary Erosion and Sedimentation Control Devices (filename: 165.pdf); Section 167 – Water Quality Monitoring (filename: 167.pdf)



**B. BMP #2 Erosion, Sedimentation, and Pollution Control Plans**

1. Description of BMP: Erosion, Sedimentation and Pollution Control Plans (ESPCPs) address the requirements of the most recent Construction Activity Permits, which identify the current version of the Manual for Erosion and Sediment Control in Georgia (Green Book) and stream buffer requirements. GDOT complies with the most recent Construction Activity Permits and has instituted a system of checks through construction plans preparation process to track compliance. GDOT's site plan review procedure is described in BMP #4.
2. Measurable Goal(s):
  - i. Ensure 100% of qualifying projects have an ESPCP that complies with the requirements of the most recent Construction Activity Permits, which identify the Manual for Erosion and Sediment Control in Georgia (Green Book) and stream buffer requirements.
  - ii. Submit a list of construction NOIs/ESPCPs submitted to EPD during the reporting period with each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/Year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Bidding Administration.
5. Rationale for choosing BMP and setting measurable goal(s): To develop Erosion, Sedimentation and Pollution Control Plans in accordance with applicable Construction Activity Permits.
6. On SWMP Flash Drive: Manual for Erosion and Sediment Control in Georgia 2016 Edition (filename: Manual-for-Erosion-and-Sediment-Control-2016-Edition.pdf)

**C. BMP #3 Complaints**

1. Description of BMP: GDOT's present web-based system for receipt of complaints (based on REMEDY software) and feedback from the public includes erosion and sediment related matters. The complaints are received by Office of Design Policy and Support and the Environmental Compliance Specialists and are forwarded within five business days to the appropriate Office for further action. Handling of construction related complaints will be tracked by the Office of Construction and Office of Engineering Services (Environmental Compliance Bureau). Documentation will be maintained and transmitted to the Office of Design Policy and Support or its consultant upon request for inclusion in the annual report.
2. Measurable Goal(s):
  - i. Continue to use the web-based system for receipt of complaints and feedback from the public.
  - ii. Provide a summary of complaints and follow up actions in the annual report. Provide information on complaints handled during the reporting period in each annual report. Inquiry ID, complaint date, route / location, district, County, description of the nature of the complaint, action, status, type, and completion date for each complaint will be provided with each annual report as available. If the actual completion date is unknown, the confirmation date that the complaint was resolved will be included in the Annual Report. Complaints will be reported county-wide for counties containing MS4 areas and may not necessarily be within the MS4 Permitted Area boundary.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Construction and Office of Engineering Services (Environmental Compliance Bureau).
5. Rationale for choosing BMP and setting measurable goal(s): Receive, track and respond to erosion and sediment complaints.
6. On SWMP Flash Drive: Sample complaint tracking table (filename: Erosion Complaint Response Tracking Table.pdf).

**D. BMP #4 Site Plan Review**

1. Description of BMP: During the plan preparation phase, GDOT's Engineers and Consultants follow a stringent quality control and quality assurance (QC/QA) program to ensure that all Site Plan/ESPCPs conform to the requirements of the applicable Construction Activity General Permits. The GDOT Quality Control and Quality Assurance Program details the overall GDOT approach to QC/QA including preparation of ESPCPs. GDOT Engineers and consultants follow the most current checklist published by GWSCC to design and review ESPCPs. The Office of Engineering Services review the plans and site locations at the completion of the Preliminary and Final Design Phases to check that all Construction General Permit requirements are met and that all State Waters and Stream Buffers are properly identified and shown on the plan. GDOT Preliminary and Final Plan checklists (PFPR and FFPR Checklists) are attached showing that ESPCPs are part of the review package. GDOT Standard Distribution List shows all the GDOT offices that review the plans at the preliminary and final design stages. GDOT designers and consultants with the assistance of GDOT's Office of Environmental Services coordinates with EPD during the Design Phase (when necessary) to confirm that State Waters and Stream Buffers are properly identified in the plans. Final ESPCP plans are submitted to EPD for review prior to the Lettings and GDOT's Office of Bidding Administration does not issue Notice to Proceed (NTP) to Contractors until EPD's comments are addressed.
2. Measurable Goal(s):
  - i. GDOT will provide an update each year whether the procedures have been updated and the proposed changes to the plan if changes are deemed necessary by GDOT.
  - ii. Provide a list of site plans reviewed or submitted to EPD for review during the reporting period in each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Bidding Administration.
5. Rationale for choosing BMP and setting measurable goal(s): To maintain site plan review procedures that are consistent across various

projects and the plans comply with applicable Construction Activity Permits.

6. On SWMP Flash Drive: GDOT Quality Control and Quality Assurance Program (filename: GDOT\_QCQA\_Program.pdf), example checklist published by GWSCC to design and review ESPCPs (file name: ESPCP GN Template 2022\_11x17 .pdf), GDOT Preliminary Field Plan Review Checklist (filename: 2440-1c.pdf) and GDOT Final Field Plan Review checklist (filename: 2440-1b.pdf), and GDOT Standard Distribution List (filename: Standard\_Distribution\_List.pdf).

**E. BMP #5 Site Inspection**

1. Description of BMP: Maintain existing site inspection procedures for inspection of construction sites defined in detail in Standard Specification 167, Worksite Erosion Control Supervisor (WECS) manual and Construction Activities General Permit. A GSWCC and GDOT certified person is identified as the Worksite Erosion Control Supervisor (WECS) for each project. The WECS uses GDOT provided Daily Inspection Report Form, Monthly Inspection Report Form, Erosion Control Checklist (EC-1) and BMP Installation Inspection Report Form as specified in Standard Specification 167 when performing required inspections. Copies of inspection forms are included in the WECS Manual. The WECS is contractually required to conduct Daily, Weekly, Monthly and Post-Rainfall Project Inspections according to the requirements of the Construction Activities General Permit and GDOT's Contract Standard Specification 167. The site inspection requirements in GDOT's Standard Specification 167 meet or exceed the requirements of the Construction Activities General Permit and are used for all projects. GDOT's Engineer inspects the installation and condition of each erosion control device required by the ESPCP within seven days after the initial installation. The inspection is performed for each stage of construction when new devices are installed. The WECS is required to correct installation deficiencies within two business days. In addition, site inspectors from GDOT's Environmental Compliance Bureau provide random and periodic compliance reviews of construction sites and project files for uniform compliance statewide with all regulatory requirements and contract specifications.
2. Measurable Goal(s):
  - i. Maintain site inspection procedures. If the procedures are revised during the reporting period, submit the revised procedures to EPD for review and approval.
  - ii. Provide a list of active construction sites and a list of Environmental Compliance Bureau (ECB) inspections performed during the reporting period in each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.

4. Office (or person) responsible for overall management and implementation of the BMP: Office of Engineering Services (Environmental Compliance Bureau) and Office of Construction
5. Rationale for choosing BMP and setting measurable goal(s): To develop site inspection procedures that are consistent across various sites and comply with applicable Construction Activity Permits.
6. On SWMP Flash Drive: Standard Specification Section 167 – Water Quality Monitoring (filename: 167.pdf), WECS Manual (filename: 2016 WECS Complete Manual .pdf). Daily Inspection Report Form is on PDF page 361 of the WECS Manual, Monthly Inspection Report Form is on PDF page 364 of the WECS Manual, Erosion Control Checklist (EC-1) is on PDF page 369 of the WECS Manual and BMP Installation Report Form is on page 373 of the WECS Manual.

**F. BMP #6 Construction Site Waste Control**

1. Description of BMP: Ensure through contracts and other mechanism that construction site operators control waste that may cause adverse water quality impacts in accordance with the Construction Activity Permit. GDOT Standard Specification Section 107-Legal Regulations and Responsibility to the Public includes provisions for construction site waste control. Section 107 addresses the control of pollutants such as chemicals, fuels, lubricants, bitumens, raw sewage and other harmful waste. Pollutants or potentially hazardous materials, such as fuels, lubricants, lead paint, chemicals or batteries, shall be transported, stored, and used in a manner to prevent leakage or spillage into the environment. The Contractor shall also be responsible for proper and legal disposal of all such materials. All sediment control devices (except sediment basins) installed on a project shall, as a minimum, be cleaned of sediment when one half the capacity, by height, depth or volume, has been reached. Sediment basins shall be cleaned of sediment when one-third the capacity by volume has been reached. Concrete or asphalt trucks shall not be washed or cleaned-out on the Project except in areas where unused product contaminants can be prevented from entering waterways.
2. Measurable Goal(s):
  - i. In each annual report, provide the number of contracts executed during the reporting period that contain waste control requirements.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Bidding Administration and Office of Construction
5. Rationale for choosing BMP and setting measurable goal(s): Comply with waste control procedures in Construction Activity Permits at construction sites.
6. On SWMP Flash Drive: Standard Specification Section 107 – Legal Regulations and Responsibility to the Public (filename: 107.pdf).

**G. BMP #7 Contact Compliance**

1. Description of BMP: GDOT will maintain procedures to ensure that contractors that perform work not in conformance with applicable regulations outlined in the Georgia Erosion & Sedimentation Act and/or NPDES General Construction Activity General Permits are brought back into compliance. These procedures include enforcement procedures and are outlined generally in Standard Specifications 161 and 163 which are included in contracts executed by GDOT. Standard Specifications 161 and 163 contain provisions to bring contractors back to compliance when the contractor is not complying with erosion and sediment control regulations. Standard Specification 161 contain measures ranging from suspension of contractor's superintendent, revocation of contractor's WECS certification, issuing stop work orders, levying monetary penalties against the contractor and limiting the surface area of erodible materials. Standard Specification 163 specified GDOT can direct the contractor to add temporary and permanent erosion control measures. GDOT enforcement actions are documented at each construction project site and are available upon request. All enforcement actions from EPD (self-reports, notices of violation, and consent orders) are documented, reported by the ECB, and included in the MS4 annual reports.
2. Measurable Goal(s):
  - i. GDOT will continue to enforce applicable erosion and sedimentation requirements via Standard Specifications 161 and 163. If the procedures are revised during the reporting period, submit the revised procedures to EPD for review and approval.
  - ii. Provide a list of all enforcement actions from EPD (self-reports, notices of violation, and consent orders) in the MS4 annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/Year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Construction and Bidding Administration.



5. Rationale for choosing BMP and setting measurable goal(s): To enforce compliance with applicable Construction Activity Permits.
6. On SWMP Flash Drive: Standard Specification Section 161 – Control of Soil Erosion and Sedimentation (filename: 161.pdf) and Standard Specification Section 163 – Miscellaneous Erosion Control Items (filename: 163.pdf).

**Appendix E**  
**Post-Construction Stormwater Management**

40 CFR Part 122.34(b)(5) Requirement: Develop, implement, and enforce a program to address stormwater runoff from new development and redevelopment projects that discharge into the MS4. The program must ensure that controls are in place that will prevent or minimize water quality impacts. The program shall, at a minimum, contain the elements and schedules shown in Table 4.2.5 of NPDES Permit No. GAR041000. GDOT must:

- A) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for the community, including the implementation of the applicable parts of the Georgia Stormwater Management Manual (Blue Book) and Coastal Supplement (as applicable) or an equivalent design manual;
- B) Use a GDOT policy or other mechanism to address post-construction runoff from new development or redevelopment projects; and
- C) Ensure adequate long-term operation and maintenance of BMPs.

**A. Low Impact Development/Green Infrastructure**

- 1. Review all projects during the design phase to ensure the plans consider the use of green infrastructure practices. The program shall include the requirements of Table 4.2.5.4 NPDES Permit No. GAR041000 and the activities must be conducted at least annually unless otherwise specified.

**B. Best Management Practice (BMP) #1 Inventory and Map**

1. Description of BMP: Maintain an inventory of post-construction stormwater management structures designed for filtering and/or detention including detention ponds, retention ponds, specially designed swales and permanent water quality structures. Inventory is conducted in conjunction with the mapping of MS4 structures or identified separately by GDOT staff. Newly constructed post-construction stormwater management structures are added to the inventory after the project is complete and they are accepted by GDOT maintenance.
2. Measurable Goal(s):
  - i. Perform mapping of post-construction structures in conjunction with the mapping of the MS4 structures with a completion of mapping of the post-construction structures within the 2017 permitted areas by December 31, 2023. Complete mapping of those newly permitted areas by December 31, 2023. EPD will notify GDOT of any additional newly permitted areas added due to incorporation and/or designation after the effective date of this permit. Within 90 days of receipt of notification, GDOT will submit a schedule to EPD for mapping the newly permitted areas. EPD will review the schedule for approval or denial.
  - ii. Update the inventory and map of post-construction structures as new structures are identified. Add new post-construction structures to the inventory and map.
  - iii. Provide the updated inventory and map of post-construction stormwater management structures, including those structures added during the reporting period to EPD with each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support
5. Rationale for choosing BMP and setting measurable goal(s): To understand the number, location, and type of post-construction structures present in GDOT MS4 permitted area.
6. On SWMP Flash Drive: Inventory of post-construction structures as of December 31, 2021 (filename: PCS Inventory through December 31

2021.pdf); Post-construction structure map as of December 31, 2017  
(filename: PCS Inventory Map through December 31 2021.pdf)

**C. BMP #2 Policy or Regulatory Mechanism**

1. Description of BMP: GDOT's policy on post-construction runoff management is described in GDOT's Manual on Drainage Design for Highways (Drainage Manual). It addresses stormwater runoff quality from GDOT facilities that are subject to the NPDES permit. GDOT will update this manual for consistency with the 2022 MS4 Permit. Updates to the manual will be provided to EPD for review and acceptance. The latest version in effect will be posted on GDOT's website.
2. Measurable Goal(s):
  - i. Maintain post-construction runoff controls policy as described in the current approved manual on Drainage Design for Highways.
  - ii. Complete revisions to the Drainage Design for Highways by January 2, 2023.
  - iii. Submit the updated manual to EPD with the 2022 Annual Report due March 31, 2023.
3. Schedule:
  - i. Interim milestone dates: January 2, 2023 for Drainage Design Manual revision.
  - ii. Implementation date: Projects or concepts approved on or after January 3, 2023 will be subject to the 2022 Permit. Projects that receive concept approval before January 2, 2023, will be subject to the 2017 Permit and those previously exempt under the 2017 Permit will remain exempt.
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: ii. Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): To address post-construction runoff from GDOT facilities and rights-of-way in a manner consistent with the pollutant of concern, where applicable and feasible.
6. On SWMP Flash Drive: Manual on Drainage Design for Highways (filename: Drainage Manual.pdf).

**D. BMP #3 Operation and Maintenance**

1. Description of BMP: Continue with GDOT's current program for long-term operation and maintenance of post-construction structures designed for filtering and/or detention. Chapter 5 and Appendix B of GDOT's Stormwater System Inspection and Maintenance Manual includes inspection frequencies, checklists, maintenance procedures and includes post-construction structures subject to the NPDES permit. The inspection program includes inspection of a minimum of 5% of the total identified post-construction structures annually with 100% being inspected within a 5-year period. Maintenance needs identified by the inspections will be submitted to the Office of Maintenance and prioritized based on the nature of the maintenance needs. Maintenance activities will be tracked.
2. Measurable Goal(s):
  - i. GDOT will inspect a minimum of 5% of the inventoried post-construction structures (as reported in the previous year's annual report) within the MS4 permit area each reporting year.
  - ii. GDOT will submit a report to EPD of all maintenance activities performed on post-construction stormwater controls during each reporting period. Annual report documentation will include the structures maintained, type of maintenance performed, and documentation of maintenance activities performed.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance and Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): Long-term operation and maintenance of post-construction structures to maintain original function of the structures to the extent possible.
6. On SWMP Flash Drive: GDOT's Stormwater System Inspection and Maintenance Manual (filename: I & M Manual Rev 2020-03-31.pdf); Post-Construction BMP Maintenance Annual Report Table (filename: Post-Construction Structures Maintained.pdf)

**E. BMP #4 BMP Feasibility Analysis**

1. Description of BMP: GDOT requires applicable projects to comply with requirements of the Manual on Drainage Design for Highways. The Drainage Manual describes the process for determining feasibility of inclusion of the post-construction standards during the project design phase. GDOT will conduct a feasibility analysis and prepare a Post-Construction Stormwater Report for each applicable project. Upon GDOT's review and approval, Post Construction Stormwater Reports for projects with outfalls within one mile of Bio-F/Bio-M impaired streams or trout streams will be submitted to EPD for review and approval at the Preliminary Field Plan Review (PFPR) stage of project design. For projects and outfall drainage areas not exempt from provisions of NPDES Permit No. GAR041000 section 4.2.5.1, appropriate post-construction stormwater management measures will be incorporated in the design in accordance with the Drainage Manual. The Drainage Manual will be updated to reflect the modifications made in the 2022 MS4 Permit, section 4.2.5.1(b) for determining infeasibility to implement the standards in section 4.2.5.1 (a).
2. Measurable Goal(s):
  - i. Review the BMP Feasibility Analysis Program and if revised during the reporting period, submit the program to EPD for review and approval.
  - ii. Document the post-construction BMPs to be included in each set of plans and report the list to EPD in the annual report.
  - iii. Submit GDOT approved Post-Construction Stormwater Reports (feasibility reports) to EPD that meet the requirements under Section 4.2.5.4.
3. Schedule:
  - i. Interim milestone dates: January 2, 2023
  - ii. Implementation date: January 3, 2023
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): To ensure implementation of Section 4.2 of the NPDES Permit through use of the Manual on Drainage Design for Highways for non-exempt projects and application of the feasibility evaluation.

6. On SWMP Flash Drive: Manual on Drainage Design for Highways  
(filename: Drainage Manual.pdf)



**F. BMP #5 GI/LID Program**

1. Description of BMP: GDOT requires applicable projects to comply with requirements of the Manual on Drainage Design for Highways. The Drainage Manual includes details on considering Low Impact Development/Green Infrastructure (LID/GI) when designing new projects and provides guidance on designing LID/GI best management practices. The LID/GI Checklist, an attachment to the MS4 Post-Construction Stormwater Report on the GDOT Manuals & Guides website, is used to document LID/GI practices that were considered during the design and is included with each set of plans for projects located in an MS4 area.
2. Measurable Goal(s):
  - i. Review the GI/LID program and should it be revised during the reporting year, GDOT will submit the program to EPD for review and approval.
  - ii. Complete an MS4 Post-Construction Stormwater Report for each applicable project (including a checklist of possible a green infrastructure/low green infrastructure practices considered during the design phase).
  - iii. Submit a copy of the GDOT-approved Post Construction Stormwater Report to EPD for projects with outfalls within one mile of Bio-F/Bio-M impaired streams or trout streams.
  - iv. Track the type and number of each LID/GI practice incorporated into each set of plans during the reporting period and include in each annual report.
  - v. Inspect and maintain the LID/GI structures in accordance with the program described in Appendix E, BMP #3, including providing documentation of inspections conducted and maintenance performed during the reporting period in each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2023
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): To promote and implement best management practices for runoff reduction and water quality control of post-construction stormwater runoff.

6. On SWMP Flash Drive: Manual on Drainage Design for Highways (filename: Drainage Manual.pdf); GDOT Low Impact Development (LID) / Green Infrastructure (GI) Checklist (filename: PCSR Template 2021-02-16\_Attachment A.pdf)

## Appendix F

### Pollution Prevention/ Good Housekeeping for Municipal-type Operations

40 CFR Part 122.34(b)(6) Requirement: Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal-type operations. At a minimum, the permittee must comply with the specific requirements of Table 4.2.6 of NPDES Permit No. GAR041000.

#### **A. Best Management Practice (BMP) #1 Municipal-Type Facility Inventory**

1. Description of BMP: GDOT maintains an inventory of facilities conducting municipal-type activities that have the potential to cause pollutant runoff. GDOT will review the facilities inventory annually. Facilities are removed from the inventory if they are sold or decommissioned and others added, as applicable.
2. Measurable Goal(s):
  - i. Review the facilities inventory annually and update as needed. Submit an updated inventory of facilities with each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance and Office of Design Policy and Support.
5. Rationale for choosing BMP and setting measurable goal(s): To track number, location, and type of GDOT facilities that conduct municipal-type activities and are subject to the NPDES permit.
6. On SWMP Flash Drive: Facilities Inventory through December 31, 2021 (filename: GDOT Facilities Inventory.pdf).

**B. BMP #2 Municipal-Type Facility Inspections**

1. Description of BMP: Maintain GDOT's program for inspecting GDOT facilities for good housekeeping practices. The Facilities Stormwater Pollution Prevention Plan includes facility inspection checklists, pollution prevention control measures, and procedures for correcting deficiencies noted during an inspection.
2. Measurable Goal(s):
  - i. Continue GDOT's program for inspecting GDOT facilities as described in the F-SWPPP. If the F-SWPPP is revised during the reporting period, submit the program to EPD for review and approval.
  - ii. Inspect at a minimum 5% of municipal type facilities(as reported in the previous year's annual report) annually with 100% inspected within the 5-year period..
  - iii. Document deficiencies noted during inspection and track actions to correct deficiencies. Submit documentation of the facility inspections and actions taken to correct the deficiencies (included as part of BMP 3 maintenance activities performed documentation) with each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance
5. Rationale for choosing BMP and setting measurable goal(s): Routine inspection program to inspect GDOT facilities subject to the MS4 Permit for compliance with the permit.
6. On SWMP Flash Drive: Facilities Stormwater Pollution Prevention Plan (filename: F-SWPPP 2019-11-07.pdf)

**C. BMP #3 Facilities Stormwater Pollution Prevention Plan (F-SWPPP)**

1. Description of BMP: The Facilities Stormwater Pollution Prevention Plan discusses routine maintenance activities at municipal-type operations to prevent pollutant runoff; including, but not limited to:
- Salt and de-icing material application and storage
  - Equipment/vehicle washing
  - Storage and disposal of chemicals and waste materials
  - Road surface maintenance
  - Storm sewer system repair
  - Landscaping
  - Herbicide spraying/fertilizer application and material storage
  - Bridge repair and maintenance
  - Right-of-way embankment stabilization
  - Vegetation control, cutting, removal, and disposal of the cuttings
  - Vehicle/equipment maintenance and repair

GDOT will continue to implement the F-SWPPP to prevent or minimize the discharge of pollutants in stormwater runoff. The latest version of the F-SWPPP in effect will be posted on GDOT’s website.

2. Measurable Goal(s):
- i. Annually evaluate the F-SWPPP and update as needed. If the manual is updated during the reporting period, submit the manual to EPD for review and approval.
  - ii. Document in each annual report, maintenance activities performed at the municipal type facilities against those noted in the facility inspections.
3. Schedule:
- i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance.
5. Rationale for choosing BMP and setting measurable goal(s): Prevent or minimize the discharge of pollutants from day-to-day activities at GDOT

facilities.

6. On SWMP Flash Drive: Facilities Stormwater Pollution Prevention Plan (filename: F-SWPPP 2019-11-07.pdf); Facility Maintenance and Stormwater Actions Tracking Table (filename: Facility Maintenance Tracking Table.pdf)

**D. BMP #4 MS4 Structure Inventory and Map**

1. Description of BMP: Annually update the inventory and map of MS4 structures. Typical MS4 structures within the GDOT rights-of-way include storm drainage structures in roadways or at facilities that collect and convey stormwater, such as curb inlets, catch basins, manholes, median drains, ditches, pipes etc. GDOT will complete the inventory and mapping of the MS4 control structures within the 2017 permitted areas by December 31, 2023. GDOT will complete mapping of those structures within the newly permitted areas by December 31, 2023 It is anticipated that this inventory will not include structures along 34 miles because those roadway segments will be under construction. The construction projects are being undertaken by GDOT on a Design-Build contract basis and contract provisions (Special Provision 156) require the contractor to submit inventory and inspections data for the MS4 and Post Construction Structures along these roadway segments. These projects are currently under construction (as of January 2022) and will not be complete until after 2023. The drainage network along these roadways will be reconstructed and, therefore, to not duplicate effort and expend public funds on inventory prior to the December 31, 2023 deadline is not considered prudent. EPD will notify GDOT of any additional newly permitted areas added due to incorporation and/or designation after the effective date of this permit. Within 90 days of receiving notification, GDOT will submit a schedule to EPD for mapping the newly permitted areas. EPD will review the schedule for approval or denial. GDOT developed a statewide map showing the extent of the MS4 structure inventory included in GDOT's GIS . Close-up panels can be created for the extent of statewide inventory as needed. Newly constructed MS4 structures will be added to the inventory and map through information provided by the contractor or through GDOT inventory. Annual report documentation will include the number and percentage of inventoried. A table showing inventory date, structure and conveyance ID, structure and conveyance type, material, easting and northing for each structure and conveyance will also be provided in each annual report.
2. Measurable Goal(s):
  - i. Continue to develop the MS4 structure and conveyance inventory and map through completion on December 31, 2023.
  - ii. Submit an updated inventory and map of the MS4 structures and conveyances inventoried to date, including any newly added or identified structures, to EPD with each annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual

- iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Design Policy and Support and Office of Maintenance.
  5. Rationale for choosing BMP and setting measurable goal(s): To map the extent of GDOT's drainage system for routine inspection and maintenance.
  6. On SWMP Flash Drive: MS4 Structure inventory in GDOT's GIS database as of December 31, 2021 (filename: Structures Inventory 2021-12-31.pdf); MS4 conveyance inventory in GDOT's GIS database as of December 31, 2021 (filename: Conveyance Inventory 2021-12-31.pdf) MS4 Structure Map showing database structures as of December 31, 2021 (filenames: SWMP Structures Map 2021-12-31.pdf and Structures Map Detail 2017-10-25.pdf);



**E. BMP #5 Inspection and Maintenance**

1. Description of BMP: Inspect and maintain MS4 structures and conveyances along a minimum of 5% of structures annually within the MS4 designated area with 100% of the structures inspected within a 10-year period. The Stormwater System Inspection and Maintenance Manual (I&M Manual) describes inspection, maintenance activities, corrective actions, and recordkeeping/reporting requirements. The latest version of the I&M Manual in effect will be posted on GDOT's website.
2. Measurable Goal(s):
  - i. Update the I&M Manual as needed. If revised during the reporting period, submit the updates to EPD for review and acceptance.
  - ii. Inspect accessible MS4 structures at a minimum of 5% of structures a year with 100% over a 10-year period.
  - iii. Summarize the number and types of structures inspected during the reporting period for each annual report. Annual report documentation will include a summary table showing the number of structures, conveyance and type inspected. A list of structures and conveyance maintained and type of maintenance performed will be included in the annual report.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance.
5. Rationale for choosing BMP and setting measurable goal(s): Inspect and maintain MS4 structures to minimize the discharge of pollutants with stormwater runoff from GDOT rights-of-way.
6. On SWMP Flash Drive: Under Appendix E, GDOT's Stormwater System Inspection and Maintenance Manual (filename: I & M Manual Rev 2020-03-31.pdf)

**F. BMP #6 Employee Training**

1. Target Audience: Employees
2. Description of BMP: GDOT developed a Stormwater Pollution Prevention (F-SWPP) and Illicit Discharge Detection and Elimination (IDDE) training course for inspection and maintenance of facilities subject to the MS4 Permit. Control measures include good housekeeping, exposure minimization, policies and procedures, runoff reduction, spill response, and education. The training includes performing facility inspections, implementing corrective actions and record keeping and reporting. This course is included in the Training Program in Appendix A BMP 2 and will be offered at a minimum once each reporting year.
3. Measurable Goal(s):
  - i. Conduct at least one F-SWPPP training course annually. In each annual report, include location of course(s) and sign-in sheet.
4. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
5. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance and Office of Training.
6. Rationale for choosing BMP and setting measurable goal(s): To educate employees in conducting day to day activities in a manner that minimize the risk of discharges of pollutant with stormwater runoff.
7. On SWMP Flash Drive: Under Appendix A, GDOT MS4 Permit - Training Program and Schedule Summary Reporting Year 2022 (filename: Training Program Reporting Year 2022.pdf)

**G. BMP #7 Complaint Response**

1. Description of BMP: GDOT's present web-based system for receipt of complaints (based on REMEDY software) and feedback from the public includes MS4 structure/drainage related matters. The complaints are received by Office of Design Policy and Support and the Environmental Compliance Specialists and are forwarded to the appropriate Office for further action. Handling of drainage related complaints will be tracked by the Office of Design Policy and Support or its. The appropriate office will be notified within five business days of receiving a complaint. Timeframe for further handling and resolution will vary based on the nature of the complaint.

Complaints may also be received through the Transportation Management (511) Center or other means.

2. Measurable Goal(s):
  - i. Continue to use the web-based complaint receipt and tracking system and the Transportation Management (511) Center to receive complaints from the public related to MS4 structures maintenance.
  - ii. Provide a summary with each annual report for the drainage related complaint received and investigated during the reporting period. Inquiry ID, complaint date, route / location, district, County, description on the nature of the complaint, action, complaint status, type, and completion date for each complaint will be provided with each annual report as available. If the actual completion date is unknown, the confirmation date that the complaint was resolved will be included in the Annual Report. Complaints will be reported county-wide for counties containing MS4 areas and may not necessarily be within the MS4 Permitted Area boundary. Specific locations relative to the Permitted Area will be provided, if requested by EPD.
3. Schedule:
  - i. Interim milestone dates: Not applicable
  - ii. Implementation date: January 3, 2022
  - iii. Frequency of actions: Annual
  - iv. Month/year of each action: Annual report submittal: March 31, 2023; March 31, 2024; March 31, 2025, March 31, 2026; and March 31, 2027.
4. Office (or person) responsible for overall management and implementation of the BMP: Office of Maintenance.
5. Rationale for choosing BMP and setting measurable goal(s): To develop a program to record and resolve drainage complaints.

6. On SWMP Flash Drive: Example complaint tracking table (filename: Drainage Complaint Response Tracking Table.pdf).