OHIO DEPARTMENT OF TRANSPORTATION

Storm Water Management Program

Authorization for Small Municipal Separate Storm Sewer Systems to Discharge Storm Water Under the National Pollutant Discharge Elimination System

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Revised April 2024

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List of Acronyms

AAH	Adopt A Highway
BMP	Best Management Practice
E&S	Erosion and Sediment
FHWA	Federal Highway Administration
KOB	Keep Ohio Beautiful
L&D Vol. 2	Location and Design Manual Volume
LHD	Local Health Department
LTAP	Local Technical Assistance Program
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
MOA	Memorandum of Agreement
MPO	Municipal Planning Organization
NPDES	National Pollutant Discharge Elimination System
Ohio EPA	Ohio Environmental Protection Agency
ODOT	Ohio Department of Transportation
ODRC	Ohio Department of Rehabilitation and Correction
OHE	Office of Hydraulic Engineering
OTEC	Ohio Transportation Engineering Conference
O&M	Operations and Maintenance
PCBMP	Post-construction Best Management Practice
SS823	Supplemental Specification 823
STREAMS	Surface Water Tracking, Reporting, Electronic Application Management System
SWM	Stormwater Management
SWMP	Stormwater Management Program
SWPPP	Stormwater Pollution Prevention Plan
TIMS	Transportation Information Management System
TMDL	Total Maximum Daily Load
TRB	Transportation Research Board

Certification Statement

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 gather and evaluate the information submitted. Based on 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."

Signature

_____

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Date:	_____

1 INTRODUCTION

The Ohio Department of Transportation (ODOT) has been identified as a Non-Traditional Small Municipal Separate Storm Sewer System (MS4) owner/operator by the Ohio Environmental Protection Agency (Ohio EPA). The permitted facilities under ODOT's jurisdiction include: Interstate, regulated U.S. and State Highways as well as ODOT facilities within ODOT's MS4 Urbanized Area Boundaries.

The Stormwater Management Program (SWMP) continues to serve as the cornerstone for ODOT's stormwater management and water quality program and is designed to reduce the discharge of pollutants, protect water quality and satisfy the water quality requirements of Ohio Revised Code 6111. The SWMP assists ODOT in complying with water quality mandates from the U.S. EPA, such as the National Pollutant Discharge Elimination System (NPDES) regulations and Total Maximum Daily Load (TMDL) programs. The NPDES regulations have caused a fundamental shift in the focus of highway stormwater engineering and management from the basic principle of simply conveying runoff to managing the rates of discharge and the quality of the water being discharged from owner/operated storm sewer systems.

1.1 PERMIT HISTORY

ODOT was granted coverage by the Ohio EPA on March 19, 2003 under NPDES Permit No. OHQ000001 - Authorization for Small Municipal Separate Storm Sewer Systems to Discharge Stormwater under the National Pollutant Discharge Elimination System, henceforth known as 'the permit'. The permit renews every five years. **Table 1-1** provides a permit evolution timeline associated with ODOT's Stormwater Management Program:

Table 1-1: ODOT's Permit Cycle

NPDES Permit Number	5-year permit cycle
OHQ000001	2002 - 2007 (Enforced until 2009)
OHQ000002	2009 - 2014
OHQ000003	2014 - 2021
OHQ000004	2021 - 2026

1.2 USING THIS SWMP

The SWMP is intended to provide Stormwater Management Program implementation guidance and is the mechanism that combines the necessary regulatory elements together into one document that meets the permit requirements. In addition, the SWMP addresses the compliance requirements of Ohio EPA's MS4 permit and allows ODOT to continue to discharge stormwater runoff into waters of the state from their storm sewer system that includes a combination of ditches/swales, catch basins, storm sewer pipes and culverts. ODOT is to maintain a current SWMP demonstrating compliance with the permit and providing guidance to users of the SWMP; therefore, the SWMP will be reviewed annually and updated as needed. User feedback is highly encouraged to increase efficiencies, usability, implementation, and documentation of performance.

2 ODOT's Stormwater Management Program Information

2.1 Program Goals

The goals of ODOT's Stormwater Management Program include:

a. Addressing permit requirements that include implementation, reporting and enforcement of ODOT's SWMP practices and activities.
b. Continuing outreach to ODOT audiences using ODOT policies, manuals and specifications and internal/external training activities.
c. Assessing and evaluating ODOT's stormwater BMPs and plan revisions as necessary.
d. Continuing evaluation of existing or new ODOT policies, programs, or operations for options to improve the SWMP reporting, implementation, or best practices.

2.2 Minimum Control Measures

The permit requires ODOT address the following six Minimum Control Measures (MCMs):

- MCM 1 - Public Participation and Outreach
- MCM 2 - Public Involvement/Participation
- MCM 3 - Illicit Discharge Detection and Elimination
- MCM 4 - Construction Site Stormwater Runoff Control
- MCM 5 - Post-Construction Stormwater Management in New Development and Redevelopment
- MCM 6 - Pollution Prevention and Good Housekeeping for Municipal Operations

Each MCM requires incorporation of the following three elements – decision process, performance standards and annual reporting requirements. The TMDL pollutant of concern for ODOT is TSS. The performance standards and reporting requirements for TSS are included for each MCM. These are unique for each MCM and associated practices and have been incorporated strategically as part of each MCM.

To guide Stormwater Management Program implementation and reporting, this SWMP contains factsheets in Section 5, organized by MCM, that identify activities, roles and responsibilities and reporting requirements needed to address the regulatory requirements included in each MCM. Each MCM has a summary page which details the common items for the BMPs in the MCMs by the categories shown in **Figure 2-1**.

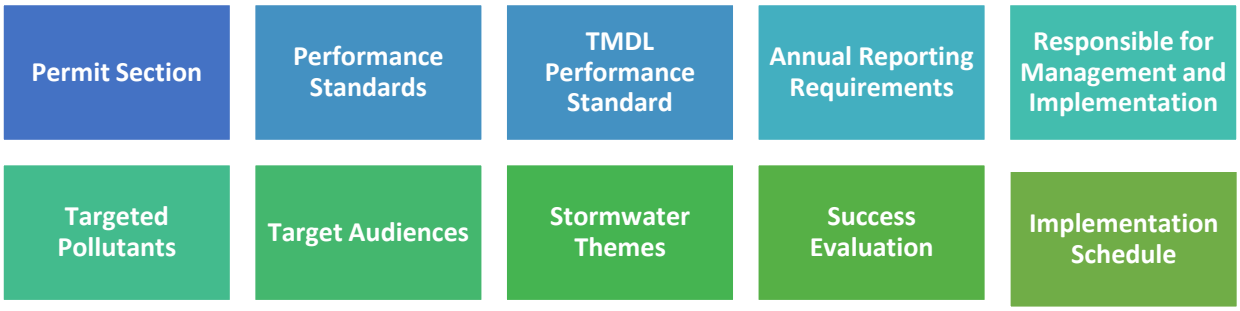

Figure 2-1: MCM Summary Page Contents

For each BMP, the factsheets include information on the practice, the office or division that supports implementation/reporting responsibilities and activities needed to implement the practice. At a minimum, each factsheet contains information identified in **Figure 2-2** for each BMP that provides program information that also supports annual report development.

Figure 2-2: BMP Factsheet Contents

The BMP Factsheets are designed to be easily updated and portable for use in the field, including reporting forms. The BMPs are reviewed annually for their effectiveness at meeting the measurable goals and, as necessary, the factsheets will be updated.

2.3 ODOT's SWMP – Public

ODOT is identified as a non-traditional MS4, as stated in the permit, which is defined as having storm sewer systems similar to municipal separate storm sewer systems. ODOT's public is presented in **Figure 2-3**.

ODOT's public is identified for each MCM on the MCM summary of the BMP Factsheets and as necessary for each BMP.

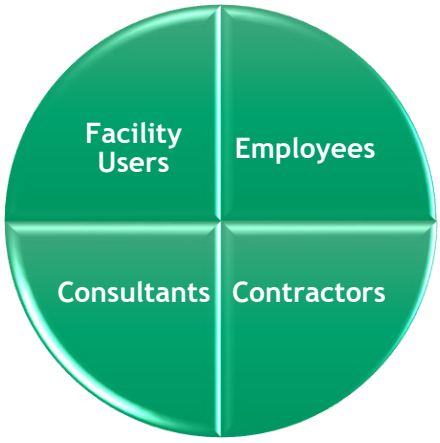

Figure 2-3: ODOT's Public

2.4 ODOT's SWMP – Themes

The permit requires ODOT to develop mechanisms that target a minimum of five different stormwater themes or messages throughout the five-year permit term that reach at least 50% of ODOT's public over the five-year term. ODOT's TMDL pollutant, TSS, is included in the identified themes. The stormwater themes will be assessed annually and revised as necessary to continue to provide meaningful stormwater information to ODOT's public. The themes will also be incorporated into ODOT's six MCMs and associated BMPs as appropriate.

ODOT's current stormwater program themes include:

- **Pollution Prevention** – Prevention is the best way to reduce pollution in stormwater, including TSS. Pollution prevention is being incorporated into multiple aspects of ODOT's operations.

- **General Stormwater Awareness** – This theme provides general information on stormwater management and water pollution, ODOT's stormwater program, and where to obtain more information on the program.
- **Water Quality** – This theme shares information associated with stormwater quality and TSS reduction associated with ODOT assets (i.e. roadways, bridges, garages etc.). It identifies stormwater research needs to improve stormwater runoff water quality. Completed water quality/quantity research is associated with this theme.
- **Stormwater Control Practices** – This theme provides information on multiple aspects of stormwater program controls. Stormwater controls include both structural or non-structural (e.g. procedures, operations and maintenance activities or policies). Included in this theme are implementation of pollution prevention controls, which indicate where and how to utilize these controls. These controls reduce the overall TSS in storm water runoff.
- **Illicit Discharge** – An illicit discharge is a release to the storm sewer system of any item that is not composed entirely of stormwater. This theme will include information on the types of illicit discharges, as well as solutions for prevention, identification, and removal. ODOT will address these discharges as they are encountered through scheduled roadway operations and maintenance activities.

2.5 ODOT's SWMP - Pollutants

The Federal Highway Administration (FHWA) in partnership with the National Academies of Science and the Transportation Research Board (TRB) have invested into documenting pollutants identified in highway/roadway runoff. ODOT has incorporated information from these research studies and conducted their own research that includes evaluating soil types, average daily traffic, rainfall/ precipitation values and identified the following as the targeted pollutants for the Stormwater Management Program:

- Sediment
- Total Suspended Solids
- Chlorides
- Oil/Grease
- Herbicides
- Trash
- Nutrients
- Bacteria
- Metals

Each BMP identifies the targeted pollutants for that practice that it is intended to reduce/mitigate. The Annual Report, discussed in Section 4, will provide information on targeted pollutants that may be numeric or narrative in nature and document meaningful management activities, reduction, or mitigation of these pollutants.

2.6 ODOT's SWMP - TMDL

The permit requires ODOT to establish pollutions controls to target TMDLs. Due to the linear nature, right-of-way (ROW) restrictions and common pollutant generating work activities, TSS was selected as ODOT's TMDL pollutant of concern. TMDL Performance Standard for TSS are included in the MCMs.

2.7 BMP Measurable Goal Success Evaluation Process

ODOT's Stormwater Management Program continues to evolve as ODOT responds to regulatory permit renewals. BMPs have been added, revised, and combined as ODOT continually assesses program efficiency and effectiveness. ODOT's process for continued program improvement is through evaluating the success and benefits associated with current program BMPs and the implementation of ODOT's SWMP. The maximum extent practicable, or MEP, is using stormwater management measures, techniques, and methods that are available and capable of being implemented within ODOT's procedures, protocols, processes, and operations, while taking into consideration resources, available technology, and program constraints. ODOT addresses MEP expectations with annual reviews and updates to ODOT's SWMP combined with the successful implementation, documentation, and maintenance of ODOT's program BMPs. The process shown in **Figure 2-4** describes how ODOT develops or identifies BMPs and measurable goals to evaluate the success of the Stormwater Management Program.

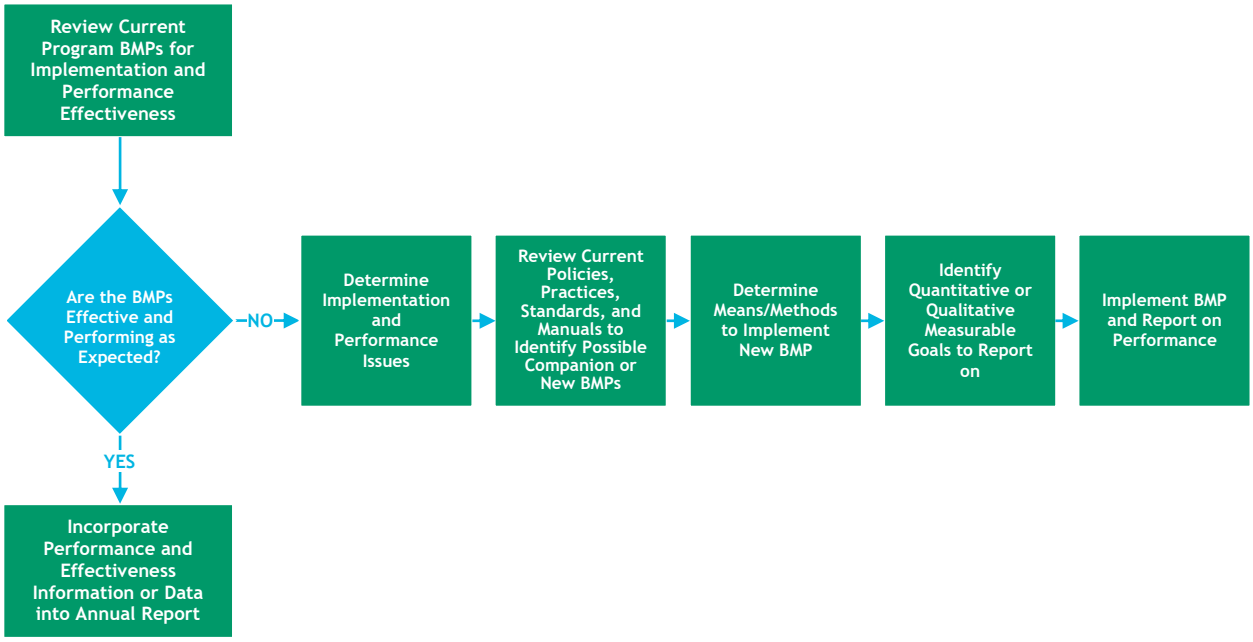

Figure 2-4: ODOT's BMP Measurable Goal Success Evaluation Process

2.8 ODOT's MS4 Regulated Area

In 2015, ODOT updated the MS4 Urbanized Area Boundary based on the 2010 U.S. Census Bureau Urbanized Areas. All ODOT-owned facilities and ODOT-maintained roadway segments that are within ODOT's MS4 Urbanized Area Boundary are subject to the permit requirements. The entire facility parcel and roadway right of way is assumed to be impervious for the purpose of fee calculation.

Table 2-1 shows information provided on ODOT's regulated facility and roadway acreage and square mileage.

Table 2-1: Summary of ODOT's 2023 MS4 Urbanized Area Regulated Fee Information

Type	Acreage	Square Miles
Facility	892	1.4
Roadway	28,310	44.2
Total	**29,202**	**45.6**

Appendix A includes maps of ODOT's MS4 Urbanized Area Boundary, statewide and by district. Each map includes information on ODOT facility acreage within the district and roadway acreage that is necessary to support calculation of ODOT's annual Stormwater Management Program fee.

2.9 ODOT's Program Outfalls

ODOT has an Outfall Inventory Manual for the purpose of identifying outfalls within ODOT's regulated roadway system and at ODOT facilities within ODOT's MS4 Urban Area Boundary. The manual defines an outfall as the point at which any discernible, confined, and discrete conveyance of ODOT's storm sewer system discharges to surface waters of the State.

The Ohio Environmental Protection Agency (OEPA) MS4 permit provides the following definition for "Surface Waters of the State":

> *All streams, lakes, reservoirs, ponds, marshes, wetlands, or other waterways which are situated wholly or partly within the boundaries of the State, except those private waters which do not combine or affect a junction with a surface water. Waters defined as sewerage systems, treatment works, or disposal systems in Section 6111.01 of the ORC are not included.*

The outfalls within ODOT's MS4 area were located, inventoried, and mapped between 2006 and 2009. Ditches and pipe outfalls were included in the inventory and added to ODOT's web-based mapping portal known as Transportation Information Management System (TIMS). As part of ODOT's outfall inventory, each outfall was evaluated for presence of dry weather flows. The outfalls identified as having dry weather flows were further evaluated for potential illicit discharges.

3 Office Involvement and Expectations

3.1 Central Office

The Office of Hydraulic Engineering (OHE) manages and oversees all aspects of the Stormwater Management Program for ODOT. OHE develops and maintains the SWMP, coordinates activities, evaluates BMPs, administers the Stormwater Management Program Consultant Task Order, and prepares and coordinates the Annual Report with the Ohio EPA. OHE is the primary contact with the other Central Office Divisions, ODOT Districts, and the Ohio EPA.

ODOT Central Office has several divisions that have roles/responsibilities associated with SWMP implementation and reporting. A simplified ODOT Central Office organizational structure as well as each department/office are presented in **Figure 3-1**. An ODOT

comprehensive Stormwater Management Program organizational chart with department and associated MCMs is included in **Appendix B.** Most activities associated with MCM 1 and MCM 2 are conducted by Central Office staff. The BMP Factsheets included in this plan provide a summary of the Central Office Departments and ODOT District MS4 Liaison involvement with each BMP.

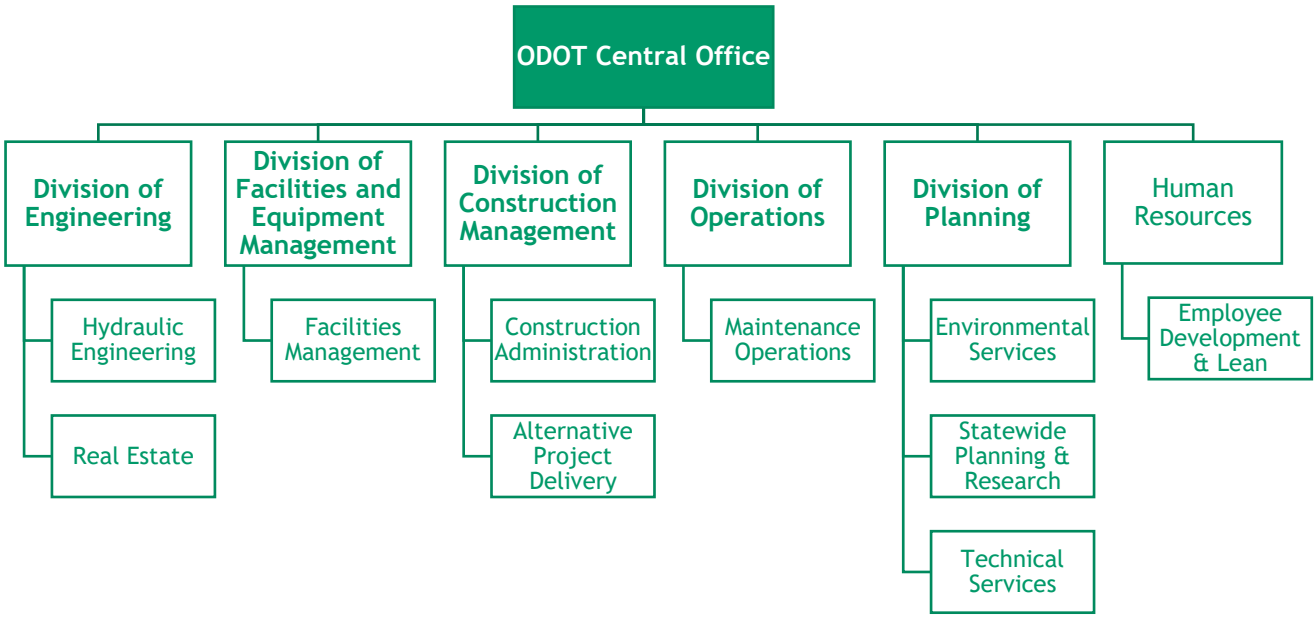

Figure 3-1: Simplified ODOT Central Office Organizational Structure

3.2 DISTRICTS

ODOT is organized into 12 districts, detailed in **Appendix C**. Each district has several offices or departments involved with the implementation of the SWMP as presented in **Figure 3-2**. Many of the program activities and BMPs within MCM 3, MCM 4, MCM 5, and MCM 6 are performed by district personnel. These activities are coordinated by the district departments and performed by district staff. Each district utilizes existing staff to perform the activities and one staff member within each district is designated as the District MS4 Liaison.

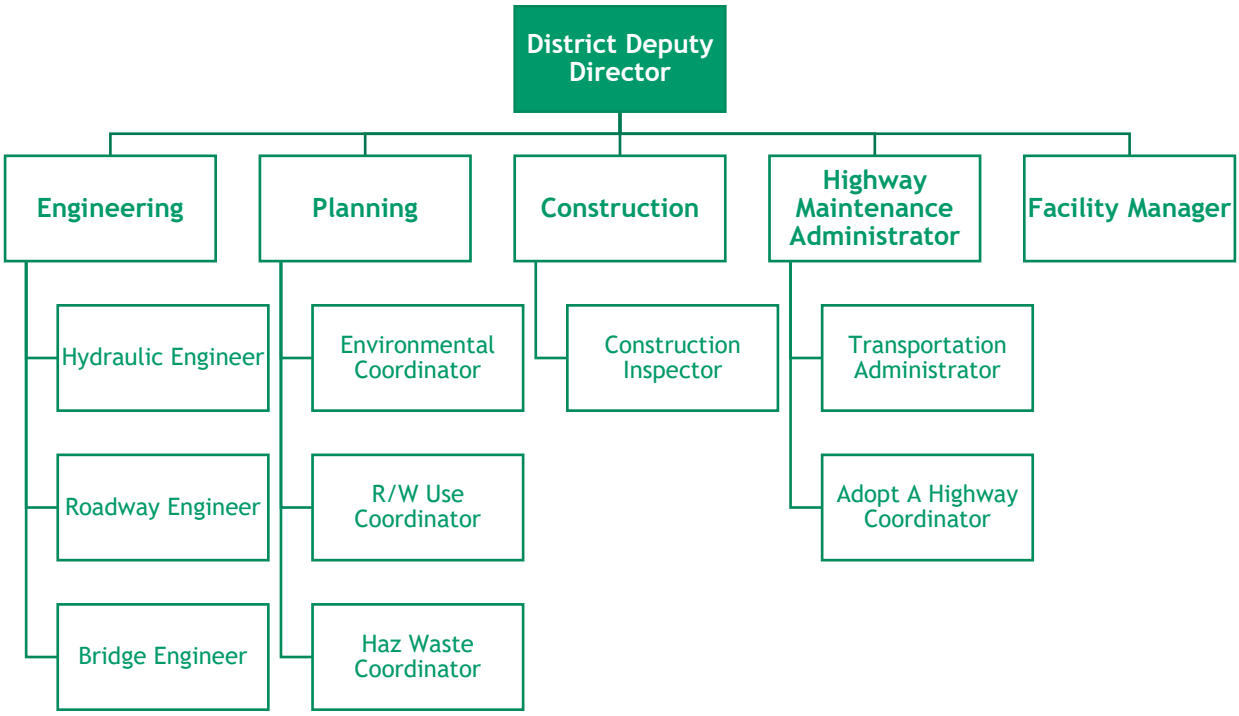

Figure 3-2: Simplified District Office Organizational Structure

3.2.1 MS4 Liaison

The 12 ODOT districts have a staff member assigned to the role of MS4 Liaison. The MS4 Liaison aids and coordinates the implementation and reporting of MS4 district stormwater management program activities. They are provided training to understand the Stormwater Management Program and how the district activities are impacted by the MS4 permit. The MS4 Liaisons report Stormwater Management Program implementation activities to OHE and work with district staff to collect information throughout the year.

3.2.2 District Staff

The district staff perform SWMP activities as part of their normal work activities, or through issued work orders needed to comply with the permit and report their activities to the MS4 Liaison. The district staff are responsible for reporting their activity to the MS4 Liaisons. An organizational chart with department and associated MCM is available in **Appendix B**.

4 Annual Reporting

4.1 What is in the Annual Report

The permit requires a report be submitted by April 1 for each year the permit is in effect. The annual report, herein called the “report”, covers the period from January to December of the previous year. The report is required to contain:

- Table of Organization including the primary contact person
- Status of compliance with permit conditions
- Results of information collected and analyzed
- An implementation schedule

- Proposed changes to the SWMP including BMPs
- Any variances granted to ODOT's Stormwater Management Program

4.2 Who is Responsible for Collecting and Submitting Annual Report Information?

OHE begins collecting information for the report in January of each calendar year. OHE is responsible for collecting SWMP information within the Central Office level. The Central Office departments are responsible for providing the required information to OHE. The MS4 Liaisons collect certain ODOT district level SWMP information to be included in the report to OHE. The district level departments are responsible for providing the required information to the MS4 Liaison or to OHE. **Figure 4-1** shows the flow of information into the report. The BMP Factsheets contain the reporting needs and requirements for each BMP.

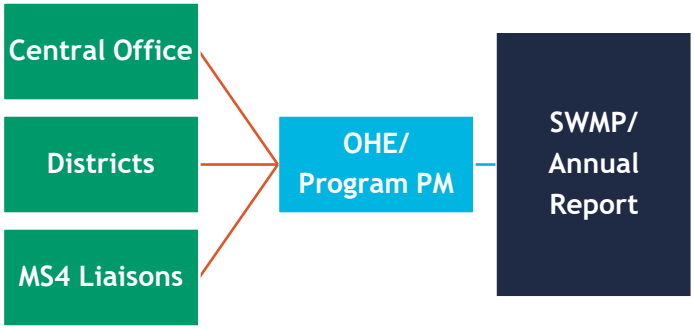

Figure 4-1: Annual Report Information Flow

4.3 How is the Annual Report Submitted and Provided to the Public?

ODOT submits the annual report to Ohio EPA using the Surface Water Tracking, Reporting, and Electronic Application Management System (STREAMS) through Ohio EPA's online eBusiness Center website accessible at the following internet address: http://www.epa.ohio.gov/dsw/ebs.aspx. The reports must be submitted by ODOT. A consultant can complete the report for ODOT, but it cannot be submitted by the consultant.

The report is posted on ODOT's stormwater website. All of ODOT's public and the general public have access to the report via ODOT's stormwater web page at the following internet address: https://www.transportation.ohio.gov/programs/stormwater.

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5 BEST MANAGEMENT PRACTICES FACTSHEETS

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MCM 1 PUBLIC EDUCATION AND OUTREACH PERMIT SUMMARY

PERMIT SECTION:

Part III.B.1.b(p.6)-c.

PERFORMANCE STANDARDS FROM MS4 PERMIT:

ODOT's stormwater public education and outreach program shall include more than one mechanism and target at least five different stormwater themes or messages over the permit term. ODOT, as a non-traditional MS4, is required to provide educational materials and outreach to employees, contractors, and consultants. ODOT shall reach at least 50% of their target audience over the permit term.

TMDL PERFORMANCE STANDARD:

ODOT's public education and outreach program shall, at a minimum, target TSS once in the themes or messages over the permit term.

ANNUAL REPORTING GUIDANCE/REQUIREMENTS FROM MS4 PERMIT:

ODOT shall identify each mechanism used and its stormwater theme, target pollutants(s), audience targeted and an estimate of how many people were reached by each mechanism.

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Hydraulic Engineering, Construction Administration, Maintenance Operations, Alternative Project Delivery, Communications, Employee Development and Lean and Facilities Management

TARGET POLLUTANTS:

Sediment, Total Suspended Solids, chlorides, oil/grease, herbicides, trash, nutrients, bacteria, and metals

TARGET AUDIENCE:

ODOT Employees, Contractors, Consultants, and Facility Users

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharge

MINIMUM CONTROL MEASURE SUCCESS EVALUATION:

ODOT selected the measurable goals through an evaluation of existing practices, policies, and programs already in place at ODOT. The measurable goals for each BMP were selected based on the following criteria: 1.) were documentable; 2.) over time, ODOT could demonstrate an increased awareness, understanding and 3.) integration of stormwater requirements into ODOT's processes, policies, manuals, and standards. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. Information on BMP implementation is collected annually and reported on through the development and submission of ODOT's annual report.

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PUBLICATIONS

PEO 1.1

SUMMARY/OVERVIEW

Policies, manuals, and specifications are used to provide education and outreach to ODOT's public on design, engineering, construction, operations, and maintenance guidance, requirements, and policy. These publications are the primary means of communicating with their public. The public provides feedback and updates are made to the publications on a routine basis. Policy documents are reviewed and approved by specification committees and the Federal Highway Administration (FHWA) prior to implementation. Operation and maintenance documents are vetted by multiple divisions within ODOT to ensure environmental regulations and design policy are adhered to. Members of the specification committees are representatives of ODOT's public. It is the public's responsibility to use the most up to date publications.

MEASURABLE GOAL(S):

- Document publication.
- Document feedback collected from public comments and use this to assess and modify publications.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Construction Administration
Maintenance Operations
Facilities Management

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering, Construction Administration, Maintenance Operations and Facilities Management

- During publication reviews, compare publications to the current permit for compliance with all stormwater requirements.
- Ensure offices/divisions are aware of the stormwater experts within ODOT's organization and know how to seek assistance.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- Provide feedback on publication revisions.
- Promote themes with ODOT's public.

See back page for listing of publications

PUBLICATIONS

PEO
1.1

ODOT MAINTAINED DOCUMENTS OR MANUALS

Stormwater Management Plan (This document)

Stormwater Management Program Annual Report
https://www.transportation.ohio.gov/programs/stormwater/stormwater-annual-report/stormwater-annual-report

Location and Design Manual Volume 1
https://www.transportation.ohio.gov/working/engineering/roadway/manuals-standards/location-design-vol-1/

Location and Design Manual Volume 2
http://www.dot.state.oh.us/Divisions/Engineering/Hydraulics/LOCATION%20AND%20DESIGN%20VOLUME%202/Pages/LandD-Vol-2.aspx

Location and Design Manual Volume 3
https://www.transportation.ohio.gov/working/engineering/cadd-mapping/location-design-vol-3/

Supplemental Specifications
http://www.dot.state.oh.us/Divisions/ConstructionMgt/OnlineDocs/Pages/ProposalNotesSupplementalSpecificationsandSupplements.aspx

Hydraulic Standard Construction Drawings
http://www.dot.state.oh.us/Divisions/Engineering/Hydraulics/Pages/HydraulicStandardConstrDrawings.aspx

Construction and Material Specifications
http://www.dot.state.oh.us/Divisions/ConstructionMgt/OnlineDocs/Pages/default.aspx

Construction Administration Manual of Procedures
http://www.dot.state.oh.us/Divisions/ConstructionMgt/Admin/Pages/Manuals.aspx

Post-Construction Stormwater Best Management Practices Design Guidelines

- BMP Inventory, Inspection and Maintenance Guidelines
- BMP Calculation Spreadsheet
- Post-construction Best Management Practices Presentations
- Post-construction Best Management Practices Design Examples
- Post-construction Best Management Practices Review Checklist

http://www.dot.state.oh.us/Divisions/Engineering/Hydraulics/Pages/PostConstructionStormWaterBMP.aspx

MS4 Stormwater Outfall Inventory Manual
https://www.transportation.ohio.gov/programs/stormwater/outfall-inventory-manual

Ohio Maintenance Operation Manual – not on website

Roadway Infrastructure Maintenance Responsibility Manual
https://www.transportation.ohio.gov/programs/maintenance-operations/rimr/rimr

Highway Operations Environmental Manual – not on website

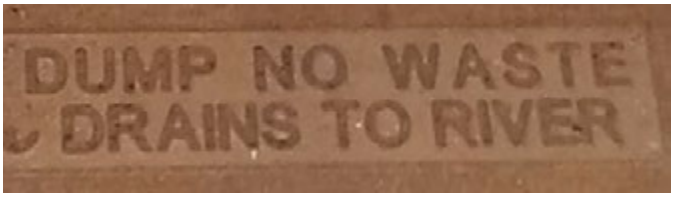
Snow and Ice Control Practices

https://www.transportation.ohio.gov/programs/snow-and-ice/snow-ice-practices

STORM DRAIN STAMPING

PEO 1.2

SUMMARY/OVERVIEW



Pollution prevention/public education messages such as, "DUMP NO WASTE, DRAINS TO WATERWAY" is required on ODOT storm drain grates per ODOT design specifications and standard drawings. The Hydraulic Standard Construction Drawing for drainage structures require curb inlet grates to be ordered with the stamped message “Dump No Waste, Drains to Waterway.” All roadway and facility drainage structures are required to follow ODOT’s Hydraulic Standard Construction Drawings.

MEASURABLE GOAL(S):

- All new or replaced stormwater structures are to be pre-stamped.
- Hydraulic Standard Construction Drawings contain stamped message requirement.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Construction Administration
Alternative Project Delivery
Maintenance Operations
Facilities Management

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Maintain the Hydraulic Standard Construction Drawings.

Alternative Project Delivery, Construction Administration, Maintenance Operations and Facilities Management

- Be aware of any changes to the standard construction drawings.
- Ensure that new and replacement structures are stamped.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- As necessary, check that the grates are stamped for use on facility projects.
- Educate district staff and discourage disposal of materials or liquids into drainage grates.

STORM DRAIN STAMPING

PEO
1.2

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SWM PROGRAM WEBSITE

PEO 1.3

SUMMARY/OVERVIEW

The website provides a central location to convey stormwater management program content and current information. The website is reviewed and updated annually with appropriate ODOT Stormwater Management Program information, guidance, regulations, maps, and manuals. It provides information on a collection of ODOT's stormwater program activities, with links to internal and external information as appropriate.

MEASURABLE GOAL(S):

- Maintain all website links to other sources.
- Stormwater Management Program information and additional ODOT stormwater information archived and updated annually.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Communications

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Provide content for website and identify information to be archived.
- Review content for incorporation onto the website.
- Maintain links to internal and external sources.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- Recommend content for the website to the Office of Hydraulic Engineering via District feedback and needs.
- Have knowledge of content.
- Check links.

SWM PROGRAM WEBSITE

PEO 1.3

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TRAINING AND PRESENTATIONS

PEO 1.4

SUMMARY/OVERVIEW

Multiple and comprehensive training programs are offered that continuously educate ODOT's public on a range of topics including the hazards associated with illicit discharges, transportation design, environmental, construction, operations and maintenance requirements, policies, and regulations. ODOT's stormwater management program is incorporated into most existing training and, when the training content is updated, stormwater information is added as appropriate. ODOT continues to develop a library of design, erosion and sediment control information and stormwater pollution prevention training through addressing NPDES compliance. Given the nature of the stormwater program, most of ODOT's public only interacts with a small portion of the SWMP. Some trainings are provided on an annual basis, like the facility SWPPP training. Others are developed based on a targeted need, like training on major revisions in the Location and Design Manual Volume 2 (L&D Vol. 2). This includes presentations at conferences, such as Ohio Transportation Engineering Conference (OTEC), Local Technical Assistance Program (LTAP) training, etc.

MEASURABLE GOAL(S):

- Incorporate stormwater elements into appropriate ODOT training modules, sessions, or workshops.
- Identify stormwater training needs annually.
- Document ODOT-led stormwater/water quality training or presentations provided to the public.
- Name of training and number of employees attending training

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Construction Administration
Alternative Project Delivery
Maintenance Operations
Facilities Management
Employee Development and Lean

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Provide guidance and oversight on incorporating stormwater themes into existing or new training sessions.
- Provide presentations at local and statewide conferences.

Construction Administration, Alternative Project Deliver, Maintenance Operations, Facilities Management

- Incorporate stormwater into existing training where appropriate.

Employee Development and Lean

- Document training completion.

MS4 LIAISON ACTIVITY

- Work with district training coordinator to collect district staff training records.
- Participate in appropriate stormwater training.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

TRAINING AND PRESENTATIONS

PEO
1.4

MS4 LIAISON ANNUAL REPORT FORM
TRAINING AND PRESENTATIONS – JANUARY TO DECEMBER 2023

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Name of Training or Presentation	Date	Summary of Topic	Target Audience	# of Attendees

MCM 2 PUBLIC INVOLVEMENT/PARTICIPATION

PERMIT SECTION:

Part III.B.2.b. (p.7)

PERFORMANCE STANDARDS FROM MS4 PERMIT:

ODOT's stormwater public involvement/participation program shall include, at a minimum five (5) public involvement activities over the permit term.

TMDL PERFORMANCE STANDARD:

ODOT's public education and outreach program shall, at a minimum, target TSS at least once through the implementation of BMPs 2.1 and 2.2 to satisfy a minimum of five storm water themes or messages over the permit term.

ANNUAL REPORTING GUIDANCE/REQUIREMENTS FROM MS4 PERMIT:

ODOT shall identify each public involvement/participation activity conducted, including a brief description of activity, the target pollutant(s) and include an estimate of how many people participated.
See BMP Factsheets

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Division of Planning (Statewide Planning and Research), Maintenance Operations, Construction Administration, and Hydraulic Engineering

TARGET POLLUTANTS:

Sediment, Total Suspended Solids, chlorides, oil/grease, herbicides, trash, nutrients, bacteria, and metals

TARGET AUDIENCE:

ODOT Employees, Consultants, and Facility Users

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharge

MINIMUM CONTROL MEASURE SUCCESS EVALUATION:

ODOT selected the measurable goals through an evaluation of existing practices, policies and programs already in place at ODOT. The measurable goals for each BMP were selected based on the following: 1.) were documentable; 2.) ODOT could demonstrate an increased awareness and understanding and 3.) integration of stormwater requirements into ODOT's processes, policies, manuals and standards. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

MCM 2 PUBLIC INVOLVEMENT/PARTICIPATION

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. Information on BMP implementation is collected annually and reported on through the development and submission of ODOT's annual report.

MCM 2 PUBLIC INVOLVEMENT/PARTICIPATION

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PUBLIC INVOLVEMENT PROGRAMS

PIP 2.1

SUMMARY/OVERVIEW

ODOT participates, facilitates, and coordinates statewide roadside cleanup activities. These include:

- Adopt A Highway (AAH) activities for which ODOT provides safety training, trash bags, safety vests and trash bag pick up after cleanup.
- Maintaining a Memorandum of Agreement (MOA) with Ohio Department of Rehabilitations and Corrections (ODRC) regarding ODRC personnel roadside cleanup activities.
- ODOT meets with Keep Ohio Beautiful (KOB) several times a year and continues to support involvement opportunities through the KOB program.

MEASURABLE GOAL(S):

- Attend KOB meetings.
- Maintain the MOA with the ODRC.
- Facilitate AAH activities in every county throughout Ohio.
- Name of committees with ODOT employee members (TRB, AASHTO and others)

RESPONSIBLE OFFICE/POSITION

Maintenance Operations
Hydraulic Engineering
District AAH Coordinator

IMPLEMENTATION GUIDANCE:

Maintenance Operations

- Maintain records of ODOT district activities.
- Continue to conduct, facilitate, and allow clean-up activities within ODOT's right of ways.

Office of Hydraulic Engineering

- Develop an outreach approach with Municipal Planning Organizations (MPOs) and identify collaboration activities or BMPs ODOT can incorporate into their SWMP.

District AAH Coordinator

- Facilitate AAH activities in district counties and recruit counties not currently involved in the AAH program.
- Collect information from AAH activities associated with roadside cleanups.

ADDITIONAL INFORMATION

TARGET AUDIENCE: ODOT Staff and facility users

MS4 LIAISON ACTIVITY

- Gather information from AAH coordinator for the annual report.
- Provide coordination assistance during participation in district clean-up activities and provide participation totals for annual reporting.

ANNUAL REPORT FORM FOR MS4 LIAISON
PUBLIC INVOLVEMENT PROGRAM – JANUARY TO DECEMBER

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Agency	Bags of Trash and/or Litter Removed (Number)
Adopt A Highway Participants	
ODOT Forces	
ODRC Forces	

STORMWATER RESEARCH

PIP 2.2

SUMMARY/OVERVIEW

ODOT's Research Program provides decision makers and staff with the information and tools they require to ensure Ohio's transportation system meets the evolving needs of ODOT's public. The program works to identify and address concerns to provide effective and applied solutions. ODOT sponsors multiple research projects covering a wide range of departmental needs that have included stormwater and water quality projects/activities. Ongoing research is vital for providing ODOT with practical and implementable solutions for identified operational, maintenance or system performance needs. ODOT solicits research program needs and ideas through the website and through emails to their public. Completed project research information is available to the public from the Office of Planning and Research.

MEASURABLE GOAL(S):

- Continue to identify and develop effective stormwater and water quality research needs and problem statements to be scored and ranked for possible funding.
- Continue to implement completed stormwater research solutions to increase program efficiencies and address permit requirements.
- Continue to review completed research (in-state or national) for stormwater and water quality improvement opportunities, concepts to increase efficiencies and innovative ideas to improve roadway stormwater runoff quality.

RESPONSIBLE OFFICE/POSITION

Division of Planning (Statewide Planning and Research)

Maintenance Operations
Construction Administration
Hydraulic Engineering

Other departments based on research needs.

IMPLEMENTATION GUIDANCE:

Office of Statewide Planning and Research

- Solicit, organize, and score research ideas and publish completed studies.

Other offices

- Facilitate research projects through the Office of Statewide Planning and Research's process.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Consultants, Contractors, and Facility Users

MS4 LIAISON ACTIVITY

- Document District Stormwater Management Program needs.

STORMWATER RESEARCH

PIP
2.2

MS4 LIAISON ANNUAL REPORT FORM
STORMWATER RESEARCH - JANUARY TO DECEMBER

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Research Ideas

MCM 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

PERMIT SECTION:

Part III.B.3.b (p.8) and Part III.B.3.j

PERFORMANCE STANDARDS FROM MS4 PERMIT:

ODOT's stormwater illicit discharge detection and elimination program included an initial dry-weather screening of all stormwater outfalls over the 2003 to 2009 permit term. ODOT's program shall continue current practices for long-term system-wide surveillance of the MS4 area, as well as for specific investigations of outfalls and their tributary area where previous surveillance demonstrates a high likelihood of illicit discharges. Data collected each year shall be evaluated and priorities and goals shall be revised annually based on this evaluation. ODOT shall notify Ohio EPA if illicit discharges are detected from illicit sanitary cross connections from industrial, commercial, or multi-family sources; and any leaking or broken sanitary sewer lines that are actively contributing sewage to ODOT's right of ways.

TMDL PERFORMANCE STANDARD

No TMDL Standard for TSS

ANNUAL REPORTING FROM MS4 PERMIT:

ODOT's Annual Report shall document the following:

1) Total number of MS4 outfalls
2) Number of outfalls with dry-weather screening
3) number of outfalls dry weather flows identified
4) number of outfalls where illicit discharges were identified via dry-weather screening or other methods
5) Number of illicit discharges eliminated
6) A list of all illicit discharges that have been identified but have yet to be eliminated including details on the location, an estimate volume (gpd) the source and the type (continuous/intermittent/one time), the types of pollutant believed to be present, the receiving surface water and an estimated schedule for elimination
7) Summary of system outfall mapping revisions

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Hydraulic Engineering, Technical Services, Construction Administration, Maintenance Operations, Facilities Management, and Districts

TARGET POLLUTANTS:

Non-stormwater discharges

TARGET AUDIENCE:

ODOT Employees, Contractors, Consultants, and Facility Users

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharges

MINIMUM CONTROL MEASURE (MCM) SUCCESS EVALUATION:

ODOT selected the measurable goals through an evaluation of existing practices, policies, and programs already in place at ODOT. The measurable goals for each BMP were selected based on the following: 1.) were documentable; 2.) ODOT could demonstrate an increased awareness, understanding and, 3.) integration of stormwater requirements into ODOT's processes, policies, manuals, and standards. ODOT continues to evaluate their IDDE program based on the number of illicit discharges reported and/or observed and the number of illicit discharges eliminated annually throughout the permit term. If illicit discharges persist throughout a permit term, ODOT will assess improvements or corrections to the

program and allocate resources as needed. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. BMP implementation is collected annually and reported on through the development and submission of ODOT's annual report.

MCM 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

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STORMWATER OUTFALL AND SYSTEM MAPPING

IDDE 3.1

SUMMARY/OVERVIEW

Traditional municipal (Urban Areas - Cities) based storm sewer system mapping methods are not practical for ODOT's non-traditional linear MS4 regulated storm sewer system. In lieu of traditional storm sewer system mapping, ODOT maintains record project plans available at all 12 of ODOT's districts. These record project plans provide detailed information on ODOT's storm sewer system. The record project plans are maintained in ODOT's district archives. They are available to the public via a request for information. General data associated with ODOT's outfalls are included in the Transportation Information and Mapping System (TIMS) portal.

TIMS
TRANSPORTATION INFORMATION MAPPING SYSTEM
Better Data. Better Decisions.
gis.dot.state.oh.us/tims

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Technical Services
District Hydraulic Engineer
District Public Relations Officer
MS4 Liaison

MEASURABLE GOAL(S):

- Maintain record project plans
- Maintain ODOT's outfall locations map via TIMS

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Work with Technical Services to Maintain TIMS stormwater program information track total number of outfalls

Technical Services

- Maintains TIMS database

MS4 Liaison

Prior to updating the outfall inventory and during outfall investigations (office or field), the MS4 liaison shall address the following outfall criteria as a means of verifying and documenting whether an outfall is part of ODOT's Stormwater Management Program:

- Not an Outfall by definition
- Not an Outfall by location
- Deleted Outfall not ODOT maintenance
- New Outfall in new MS4 Area
- New Outfall because of a Project

District Hydraulic Engineer

- Maintains record project plans
- During project hydraulic reviews identify new or deleted outfalls for projects within the MS4 area and provide information to the district MS4 Liaisons
- Maintains contact information on District website for hydraulic record project plan requests

District Public Relations Officer

- Responds to record project plan request

ADDITIONAL INFORMATION

TARGET AUDIENCE:
ODOT Employees and Consultants

MS4 LIAISON ACTIVITY

- Coordinate public requests for construction plans.
- Document new/relocated/deleted project outfalls and update outfall inventory.

STORMWATER OUTFALL AND SYSTEM MAPPING

IDDE
3.1

MS4 LIAISON ANNUAL REPORT FORM
STORM SEWER OUTFALL AND SYSTEM REVISION MAPPING – JANUARY TO DECEMBER

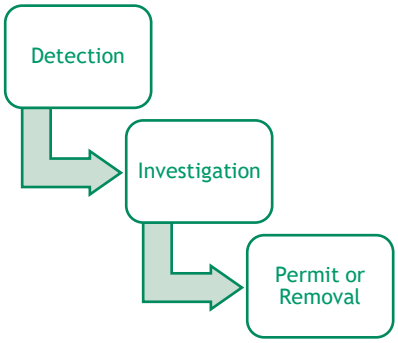
Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager.

District #	Total TIMS Outfall Revisions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
Total	

ILLICIT DISCHARGE DETECTION, REPORTING, AND REMOVAL

IDDE 3.2

SUMMARY/OVERVIEW



Discharges discovered by ODOT personnel or reported via the website will be investigated. ODOT will attempt to determine the nature of the discharge. If the source of the discharge is undeterminable, then the local health department and adjacent interconnected MS4 will be informed. If the discharge is a possible illicit discharge from a home sewer treatment system (HSTS) with/without a right of way permit, the local health department will be informed. If the discharge is a possible illicit discharge from an adjacent interconnected MS4, that MS4 entity will be informed. In addition, ODOT will continue to investigate dry weather flows documented during District operations and maintenance activities or encountered during project construction. ODOT's IDDE program procedures and strategies are outlined in the MS4 Storm Water Outfall Inventory Manual (2005) which is targeted to be updated in 2026. Illicit discharges detected at an ODOT facility will be addressed in MCM 6. ODOT's Right of Way Permit (ORC Section 5515.02 and 5515.05) provides the regulatory mechanism to prohibit illicit discharges to the MS4. ODOT historically used these permits for driveway access and expanded them to include other right of way access authorizations.

MEASURABLE GOAL(S):

- Document dry weather flow investigations.
- Document and report on illicit discharge investigations.
- Document investigations that were sent to the adjacent. Interconnected MS4s and/or Local Health Department (LHD) as possible illicit discharges.
- Document illicit discharges removed by the adjacent interconnected MS4 and/or LHD. Maintain information on permitted or unpermitted HSTS discharges collected from the local boards of health (e.g., HSTS locations map).

RESPONSIBLE POSITION/OFFICE

District MS4 Liaison
Hydraulic Engineering
Construction Administration
ODOT Personnel
District Right of Way staff

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Receives illicit discharge reports or complaints from the public and notifies the District MS4 Liaison.
- Coordinates IDDE activities with Districts and maintain and update IDDE manual.

District MS4 Liaison

- Receives illicit discharge reports or complaints from the public and/or Hydraulic Engineering.
- Investigates reported discharges.
- Investigates priority dry weather flows.

MS4 LIAISON ACTIVITY

- Perform site visit of reported discharge if within ODOT's MS4 area.
- Investigate Right of Way Use permits.
- Report annually on the number of illicit discharges identified and number removed within the MS4 Area.
- Investigate priority dry weather flow outfalls.
- Determine if the priority dry weather flow outfall discharge is a concern and proceed accordingly.

ADDITIONAL INFORMATION

TARGET AUDIENCE: ODOT Employee, Consultants, and Facility Users.

ILLICIT DISCHARGE DETECTION, REPORTING, AND REMOVAL

IDDE 3.2

MS4 LIAISON ANNUAL REPORT FORM
ILLICIT DISCHARGE DETECTION, REPORTING, AND REMOVAL – JANUARY TO DECEMBER

Send Completed Form(s) to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Criteria	Number
Outfalls where illicit discharges were identified via dry-weather screening or other methods	
Outfalls where illicit discharges were eliminated	
Illicit discharges identified through other methods and the number eliminated	
Summary of system outfall mapping revisions	

MCM 4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

PERMIT SECTION:

Part III.B.4.b (p.13)

PERFORMANCE STANDARDS:

ODOT's construction site stormwater control program includes pre-construction stormwater prevention review of all projects with construction activities greater than one acre. Erosion and sediment controls along with non-sediment controls are included in ODOT's requirements. The frequency of follow up inspections shall be monthly unless ODOT documents procedures for prioritizing inspections such as: waterways, sensitive areas, increased need for project site compliance, etc.

TMDL PERFORMANCE STANDARD

Construction sites with the following compliance issues as identified in the MS4 permit will be inspected once every 14 days instead of monthly.

- Construction activities have started at the site with no SWPPP reviewed and approved by ODOT.
- Failure to install sediment basin(s) when the SWPPP and/or site drainage clearly indicate this as a first step (within 7 days prior to starting grading and within 7 days of grubbing).
- Construction activities taking place with no sediment/erosion controls installed.
- Dewatering activates resulting in turbid discharges.

Inspections can be returned to a monthly basis for the site once compliance with the above compliance issues have been addressed and documented.

ANNUAL REPORTING GUIDANCE/REQUIREMENTS:

ODOT's Annual Report shall document the following:

1) Number and list of applicable sites in ODOT's jurisdiction (statewide)
2) Number of pre-construction SWPPPs reviewed and number approved
3) Number and average frequency of site inspections performed
4) Number of corrective actions/violation letters/notices issued (written notice to contractors)
5) Number of enforcement actions taken (Contract enforcement notices including withholding payment, removal of personnel or suspension of work)
6) Number of complaints (external/internal) received and followed up

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Construction Administration, Hydraulic Engineering, and District Construction personnel

TARGET POLLUTANTS:

TSS, Sediment and other pollutants associated with construction activities

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharge

MINIMUM CONTROL MEASURE SUCCESS EVALUATION:

ODOT identified the following BMPs to address permit requirements and reduce pollutant discharges through construction stormwater runoff to the maximum extent practicable. Measurable goals have been identified for each BMP to assess whether the selected BMPs is being consistently implemented and maintained. Evaluation of the success of each BMP will be performed at least annually to determine if program, standards, specifications, or policy changes are warranted. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. BMP implementation is collected annually and reported on through the development and submission of ODOT's annual report.

MCM 4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

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PRECONSTRUCTION SWPPP REVIEW

CSRC 4.1

SUMMARY/OVERVIEW

ODOT requires a compliant stormwater pollution prevention plan (SWPPP) to be developed by the contractor around the contractor stated means and methods of construction for completing the project. ODOT identifies when a SWPPP is required as a contract item of work per supplemental specification 832 (SS832). The SWPPPs are developed by a Registered Professional Engineer who also holds a current Certified Professional in Erosion and Sediment Control (CPESC) certification. All SWPPPs developed for ODOT projects are submitted as Engineered Drawings to the ODOT project engineer for review and acceptance. Construction is not permitted prior to the acceptance of the submitted project specific SWPPP.

ODOT has implemented a quality assurance review process performed by central office technical staff to assess statewide implementation success or to identify needs. The quality assurance reviews (QARs) are performed in accordance with Federal Highway Administration (FHWA) guidelines and are a practicable means for assessing success.

MEASURABLE GOAL(S):

- Number of qualifying projects requiring coverage under a Construction General Permit (CGP) in ODOT's MS4 regulated areas.
- Number of SWPPPs reviewed by ODOT for qualifying projects.
- ODOT completes qualifying project reviews on a project by project basis as to whether they are inside ODOT's MS4 Urbanized Areas and are granted acceptance prior to earth disturbing activities (*for SWPPPTrack projects only*).

RESPONSIBLE OFFICE/POSITION

Construction Administration
Hydraulic Engineering
District Construction personnel

IMPLEMENTATION GUIDANCE:

Construction Administration

- Maintain SWPPP review procedures and checklists.
- Maintain *SWPPPTrack* website.
- Perform quality assurance project reviews.
- Respond to regulatory actions.

Hydraulic Engineering

- Gather information for annual report.

District Project and Hydraulic Engineer

- Support SWPPP review and acceptance process.

ADDITIONAL INFORMATION

TARGET AUDIENCE:
ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY
N/A

PRECONSTRUCTION SWPPP REVIEW

CSRC
4.1

No MS4 Liaison annual reporting needed

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INSPECTIONS AND MAINTENANCE

CSRC 4.2

SUMMARY/OVERVIEW

Construction inspections are completed by qualified contractor personnel in accordance with SS832. The inspections are performed using an inspection software tool to ensure quality of each inspection.

The PE/CPESC who prepared the SWPPP reviews each inspection report and conducts a monthly inspection of the project to ensure the SWPPP is accurate. All inspections are reviewed for quality by the ODOT Project Engineer. Compliance reviews are performed by Central Office technical staff on a representative number of projects in each District to assess the quality of inspections being performed by the contractor's personnel.

MEASURABLE GOAL(S):

- Number of qualifying projects receiving an initial inspection
- Number of qualifying projects receiving required weekly and monthly inspections
- Number of qualifying projects receiving ODOT technical process reviews

RESPONSIBLE OFFICE/POSITION

Construction Administration
Hydraulic Engineering
District Construction personnel
MS4 Liaison

IMPLEMENTATION GUIDANCE:

Construction Administration

- Update SS832 for E&S inspection procedures.
- Perform monthly quality assurance inspections.
- Provide training to district staff and contractors.
- Continue to maintain *SWPPPTrack* software with needed performance and reporting updates.

Hydraulic Engineering

- Collect qualifying project data for annual reporting.

District Staff/MS4 Liaison

- Support quality assurance inspections.
- Track active projects in the District within MS4 area.
- Ensure NOI and NOT are submitted appropriately.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- Verify NOT submittals.

INSPECTIONS AND MAINTENANCE

CSRC 4.2

MS4 LIAISON ANNUAL REPORT FORM
INSPECTION AND MAINTENANCE – JANUARY TO DECEMBER

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

CSRC 4.2	Total number
Number of Project NOTs submitted.	

ENFORCEMENT

CSRC 4.3

SUMMARY/OVERVIEW

ODOT implements the contractor language in SS832 as the legal mechanism to enforce the construction general permit required erosion and sediment control practices. If ODOT or any government regulatory agency finds a non-compliant site condition, the contractor must correct and mitigate the conditions within 48 hours of notification. Failure to correct non-compliant site conditions may result in the ODOT withholding payment, removal of contractor's personnel or suspending work for the entire project. Enforcement protocols are outlined in SS832 and ODOT's Construction and Material Specifications (CMS) book. ODOT considers information submitted by the public annually through the solicitation of feedback during the annual report data collection process as well as through the stormwater pollution prevention plan review process via SWPPPTrack.

RESPONSIBLE OFFICE/POSITION

Construction Administration
Hydraulic Engineering
District Construction personnel
MS4 Liaison

MEASURABLE GOAL(S):

- Number of NOVs issued by regulatory agency
- Number of complaints received, and number addressed
- Number of written or e-mail notices issued by ODOT

IMPLEMENTATION GUIDANCE:

Construction Administration

- Update SS832 detailing enforcement actions to be taken when contract is not followed.

Hydraulic Engineering

- Collect data for annual reporting.

District Construction

- Ensure contractors are adhering to contract requirements of SS832 and CMS.
- Administer enforcement actions for contract violations.
- Notify District and Central Office personnel on enforcement actions.
- Support contract enforcement actions.
- Document enforcement actions.
- Share NOV information with MS4 Liaison.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employee, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- Document NOVs.
- Report complaints to Central Office.

ENFORCEMENT

CSRC 4.3

MS4 LIAISON ANNUAL REPORT FORM
ENFORCEMENT – JANUARY TO DECEMBER

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

CSRC 4.3	Total number
Number of NOVs issued by regulatory agency.	
Number of written or e-mail notices issued by ODOT's MS4 Liaison	
Number of complaints received, and number addressed.	

MCM 5 POST-CONSTRUCTION STORMWATER MANAGEMENT

PERMIT SECTION:

Part III.B.5.a (p.15) and Part III.B.5.f (p.16)

PERFORMANCE STANDARDS FROM MS4 PERMIT:

ODOT's SWMP shall include a requirement for pre-construction stormwater pollution prevention plan review of all projects from construction activities that require permit coverage under Ohio EPA's Construction General Permit to ensure that required controls are designed per ODOT requirements. These applicable sites shall be inspected to ensure that controls are installed per requirements. ODOT shall also ensure long-term operation and maintenance (O&M) of post construction BMPs (PCBMP) through one (1) on-site inspection of each PCBMP per year.

TMDL PERFORMANCE STANDARD:

ODOT's program shall include educational opportunities to contractors, SWPPP designers, and/or employees on the current MS4 permit cited TMDL and green infrastructure practices during the permit term. ODOT's post-construction stormwater program includes other green infrastructure practices for consideration and use within the project design process as presented in ODOT's Location and Design Volume 2 Manual. The vegetated filter strips and vegetated biofilters are examples of ODOT's green infrastructure practices which meet the requirements of the current MS4 Permit.

ANNUAL REPORTING GUIDANCE/REQUIREMENTS FROM MS4 PERMIT:

ODOT's annual reports shall document the following:

1) Number of applicable sites in its jurisdiction requiring post-construction controls for the reporting year;
2) Number of pre-construction stormwater pollution prevention plan reviews and approvals performed
3) Number of inspections verifying that post-construction runoff controls were built per plan requirements
4) Number of enforcement actions taken for failure to adequately install post-construction runoff controls and the number of enforcements actions taken for failure to maintain.
5) Revisions to ODOT's long-term Post-Construction BMP operation and maintenance (O&M) guidance manual and number of PCBMP maintenance agreements currently in place.
6) Number of long-term O&M inspections performed on post-construction controls.
7) If applicable summary of activities taken to satisfy post-construction storm water management program TMDL performance standard.

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Hydraulic Engineering, District Hydraulic Engineer, Alternative Project Delivery, Construction Administration, Facility Management, and Maintenance Operations

TARGET POLLUTANTS:

Sediment, Total Suspended Solids, oil/grease, trash, and metals (i.e., Zinc, Copper)

TARGET AUDIENCE:

ODOT Staff, Contractors, and Consultants

MCM 5 POST-CONSTRUCTION STORMWATER MANAGEMENT

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharge

MINIMUM CONTROL MEASURE SUCCESS EVALUATION:

ODOT has worked with Ohio EPA to continue to update and revise their post-construction stormwater best management practices through modifications to specifications, standard drawings, revisions to design requirements and research. ODOT continues to evaluate success of this minimum control measure through the following activities:

- Maintain and update ODOT's PCBMP database that includes locations, type, and dates inspections performed.
- Research – ODOT continues to assess PCBMP performance, new options to maximize the use of existing infrastructure, and new technologies to address compliance requirements and improve maintenance and performance.
- Manuals, policies, and standards – ODOT continues to update and revise this information to assist ODOT's audiences with PCBMP design, construction, and maintenance. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. BMP implementation information is collected annually and reported on through the development and submission of ODOT's annual report.

DESIGN OF POST-CONSTRUCTION BMPS

PCSM 5.1

SUMMARY/OVERVIEW

ODOT's Location and Design Volume 2 (L&D Vol. 2) includes the regulatory and design requirements of post-construction BMPs. All projects are required to incorporate L&D Vol. 2 criteria. ODOT's public are responsible for using the current version of L&D Vol. 2 to guide the PCBMP selection and designs. L&D Vol. 2 is updated semi-annually to incorporate both design and regulatory changes. ODOT has the means necessary to conduct research associated with water quality and water quantity treatment to increase efficiency associated with design, construction, operation and maintenance associated with PCBMP function and performance. Post construction BMPs are mapped and included in TIMS.

MEASURABLE GOAL(S):

- Review post-construction BMPs for compliance with design standards within ODOT's L&D Vol. 2.
- Ensure all projects are designed with PCBMP as required by the CGP or have properly documented alternatives (i.e. in-lieu-fee, regional control or others as appropriate).
- Inventory and track ODOT roadway and facility PCBMPs.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
District Hydraulic Engineer
Alternative Project Delivery
Construction Administration
Facilities Management
MS4 Liaison

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Maintain knowledge and expertise on the post construction regulatory needs associated with all types of ODOT projects.
- Review and update L&D Vol. 2 for compliance with regulatory permits as necessary.
- Update and maintain training and check lists for district staff to use to complete drainage/stormwater plan reviews.
- Audit two (2) projects per district annually to confirm appropriate PCBMP selection/design.
- Incorporate/apply appropriate ODOT stormwater research project recommendations.

Construction Administration

- Discuss PCBMPs with contractor during pre-construction meetings.
- Maintain knowledge and expertise on the construction or installation of PCBMPs.

District Hydraulic Engineer

- Review projects for PCBMP selection and design compliance.
- Enter proposed PCBMP information into the Collector BMP inventory app.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees, Contractors, and Consultants

MS4 LIAISON ACTIVITY

- Ensure PCBMPs are being input into the Collector BMP inventory.

MS4 LIAISON ANNUAL REPORT FORM
DESIGN OF POST CONSTRUCTION BMPS – JANUARY TO DECEMBER

Send Completed Form to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Criteria	Total #
Number of ODOT-let projects issued an NOI	
Number of ODOT-let projects designed with PCBMPs	
Number of ODOT-owned Projects with PCBMPs input into BMP Database	
Number of ODOT-owned projects with PCBMPs constructed	
Number of ODOT-owned PCBMPs constructed	
Number of new/redesigned ODOT facilities with PCBMP	

OPERATION AND MAINTENANCE PCBMPS

PCSM 5.1

SUMMARY/OVERVIEW

ODOT incorporates long-term inspection and maintenance of post-construction BMPs into ODOT's standard operating procedures using ODOT's Post-Construction Stormwater BMP Maintenance Guidelines. The guidelines describe the maintenance and inspection requirements for each type of PCBMP. The districts are responsibe for management of long-term inspection and maintenance through county work forces. ODOT continues to update and maintain a PCBMP database to track locations and maintenance performed.

MEASURABLE GOAL(S):

- Continue updating PCBMP database throughout the year via Collector app.
- Update the Post-Construction Stormwater BMP Maintenance Guidelines as needed (*ODOT's O&M program follows these guidelines and does not utilize individual PCBMP-specific O&M plans*).
- Document PCBMPs are inspected per Post-Construction Stormwater BMP Maintenance Guidelines.
- Document PCBMPs are maintained per Post-Construction Stormwater BMP Maintenance Guidelines.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Maintenance Operations
Construction Administration
Facilities Management
MS4 Liaison

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Assist Office of Maintenance Operations with updating the Post-Construction Stormwater BMP Maintenance Guidelines and Collector inventory database.
- Add new or document removal of existing PCBMPs in TIMS.
- Notify Maintenance forces of new or removed PCBMPs.
- Provide Maintenance forces with list of PCBMPs to be maintained.

Construction Administration

- Review PCBMPs with contractor at project close out.
- Coordinate with Highway Transportation Administrator to ensure proper PCBMP handoff from Construction to Maintenance forces.

Maintenance Operations and District Highway Management Administrator

- Coordinate with Construction Administration to ensure proper handoff from Construction to Maintenance forces.
- Understand operational and maintenance needs of all PCBMPs ODOT installs.
- Inspect PCBMPs annually.
- Perform maintenance on PCBMPs to be maintained and document completion.
- Update Post-Construction Stormwater BMP Maintenance Guidelines as necessary.

ADDITIONAL INFORMATION

TARGET AUDIENCE:
ODOT Employees

MS4 LIAISON ACTIVITY

- Oversee PCBMP handoff.
- Oversee PCBMP inspection tracking.
- Oversee PCBMP maintenance tracking.

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MCM 6 POLLUTION PREVENTION AND GOOD HOUSEKEEPING

PERMIT SECTION:

Part III.B.6.d.iii (p.17)

PERFORMANCE STANDARDS FROM MS4 PERMIT:

ODOT's pollution prevention/good housekeeping program shall include, at a minimum, an annual employee training. Their operation and maintenance program shall include appropriate documented procedures, controls, maintenance schedules and recordkeeping to address Part III.B.6.d.iii of this permit.

TMDL PERFORMANCE STANDARD:

ODOT Shall require a SWPPP in accordance with Part III.B.6.c of this permit, conduct routine facility inspections for these facilities at least quarterly (i.e., once each calendar quarter). The routine facility inspections performed will be maintained at each facility within the SWPPP binders.

ANNUAL REPORTING GUIDANCE/REQUIREMENTS:

ODOT's Annual Report shall document the following:

1) Summary of employee training program(s) implemented with number of employees that attended.
2) List of municipal facilities inspected and frequency of inspections.
3) Amount of wastes properly disposed of including waste disposal location.
4) Document the following: - is road salt storage covered, tons of salt used, gallons of brine used with concentration, lane miles treated, and measures taken to minimize usage.
5) Document the gallons used of pesticides and herbicides, and measures taken to minimize usage.
6) Document pounds of fertilizer used, and measures taken to minimize usage.
7) Document amount of street sweeping and catch basin debris collected and properly disposed of. Include disposal location.
8) Summary of new or existing flood management projects that were assessed for possible impacts on water quality.
9) Summary of activities taken to satisfy pollution prevention good housekeeping program TMDL performance standard.

RESPONSIBLE FOR MANAGEMENT AND IMPLEMENTATION:

Hydraulic Engineering, Maintenance Operations, and Facilities Management

TARGET POLLUTANTS:

Sediment, Total Suspended Solids, chlorides, oil/grease, herbicides, trash, nutrients, bacteria, and metals

TARGET AUDIENCE:

ODOT Employees and Contractors

ODOT STORMWATER THEME(S):

Pollution Prevention, General Stormwater Awareness, Water Quality, Stormwater Control Practices, and Illicit Discharge

MINIMUM CONTROL MEASURE SUCCESS EVALUATION:

ODOT selected the measurable goals through an evaluation of existing practices, policies and programs already in place at ODOT. The measurable goals for each BMP were selected based on the following: 1.) were documentable, implementable and maintainable over time and ODOT could demonstrate an increased awareness, understanding; 2.) integration of stormwater requirements into ODOT's processes, policies, manuals and standards. BMP implementation success is evaluated based on achieving the measurable goal(s) documented for each BMP.

IMPLEMENTATION SCHEDULE:

Implementation of BMPs associated with this MCM occurs continually throughout the permit term. BMP implementation is collected annually and reported on through the development and submission of ODOT's annual report.

MCM 6 POLLUTION PREVENTION AND GOOD HOUSEKEEPING

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ROADWAY INFRASTRUCTURE

PP/GH 6.1

SUMMARY/OVERVIEW

ODOT owns, operates, and maintains over 49,000 lane miles of roadway. ODOT performs the following operational and maintenance activities that provide positive impacts on stormwater discharges from ODOT's owned and operated storm sewer systems: roadside improvements; vegetation control, storm sewer clean out, catch basin clean out, street sweeping, ditch maintenance and culvert maintenance.

ODOT incorporates pollution prevention (PP) and good housekeeping (GH) strategies into standard operating procedures. ODOT follows the seeding time frame as specified in the MS4 permit (Part III. B. 6. e. iv.) for areas of disturbance associated with ditch/MS4 maintenance. Each District is responsible for implementing these PP and GH strategies. The ~~Districts~~ schedule and perform system maintenance activities and follow guidelines for disposal of any waste material collected. ODOT implements a roadside litter program as part of MCM 2.

MEASURABLE GOAL(S):

- Document the following PP/GH activities annually: storm sewer systems cleaned, catch basins cleaned, miles of street swept, bridge deck cleaning and culverts maintained.
- Document the gallons of pesticides and herbicides along with pounds of fertilizer and measures taken to minimize use.
- Document appropriate PP and GH staff training annually.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Maintenance Operations

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Provide assistance and review updates to ODOTs Maintenance Operations Manual
- Coordinate activities for Annual Report.
- Work with Maintenance Operations to collect annual infrastructure maintenance information.

Maintenance Operations

- Coordinate and track PP and GH activities of staff.
- Provide training.
- Continue to update Ohio Maintenance Operations Manual with appropriate stormwater information and maintenance operations guidance manuals as appropriate.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees

MS4 LIAISON ACTIVITY

N/A

ROADWAY INFRASTRUCTURE

PP/GH 6.1

No MS4 Liaison annual reporting needed
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DEICING

PP/GH 6.2

SUMMARY/OVERVIEW

ODOT incorporates PP and GH strategies into standard operating procedures for deicing activities. Snow and ice control is often the largest cost item in ODOT's Maintenance budget. ODOT actively researches new technology to improve highway safety and limit deicing material used. Employees receive annual snow and ice training.

ODOT continues to develop equipment and technology through research that offers education and outreach to many communities for optimizing deicing activities and potentially reducing the impacts to the environment. The storage, handling, application and clean up practices offer a statewide benefit that exceeds the MS4 permit requirements. Deicing material is stored covered and deicing tanks are protected with barriers/bollards. Refer to ODOT's Snow and Ice Manual and the latest Annual Report for more information on winterization materials, application rates, ODOT's winterization rationale, and the practices to prevent discharges for roadway winterization.

MEASURABLE GOAL(S):

- Maintain and continue to evaluate Snow and Ice. Practices and update current manual as necessary.
- Provide annual training to staff.
- Document facilities that modify salt storage structures
- Document the amount deicing material used.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Maintenance Operations
Facilities Management

IMPLEMENTATION GUIDANCE:

Hydraulic Engineering

- Review updates to Snow and Ice Practices.
- Coordinate activities for Annual Report.

Maintenance Operations

- Coordinate activities of ODOT Staff.
- Provide training to staff.
- Maintain and wash snow/ice removal vehicles.
- Coordinate activities for Annual Report.

Facilities Management

- Maintain facilities used to store deicing material.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees

MS4 LIAISON ACTIVITY

N/A

DEICING

PP/GH
6.2

No MS4 Liaison annual reporting needed
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FACILITIES

PP/GH 6.3

SUMMARY/OVERVIEW

ODOT incorporates PP and GH strategies into standard operating procedures at ODOT facilities. Each facility within the MS4 area has a Stormwater Pollution Prevention Plan (SWPPP). Quarterly facility inspections and stormwater visual assessments are required by the permit to be performed at the facilities. The findings of each routine inspection are documented and saved within the SWPP binders on site. The SWPPPs are reviewed and updated on an annual basis. Online SWPPP training is provided annually to employees of each facility.

MEASURABLE GOAL(S):

- Maintain SWPPPs at facilities within ODOT's MS4 Urbanized Areas.
- Respond to corrective actions found during the quarterly or annual inspection within 30 days.
- Provide annual training to staff.

RESPONSIBLE OFFICE/POSITION

Hydraulic Engineering
Maintenance Operations
Facilities Management
MS4 Liaison

IMPLEMENTATION GUIDANCE:

Maintenance Operations

- Inform Hydraulic Engineering when a SWPPP needs to be updated.
- Perform quarterly facility inspections and stormwater visual assessments.
- Assign corrective action item tasks to staff.
- Coordinate activities and training of ODOT Staff.

Facilities Management

- Aid with facility maintenance and construction as needed.

Hydraulic Engineering

- Review updates to SWPPPs.
- Coordinate activities for Annual Report
- Provide annual training.

ADDITIONAL INFORMATION

TARGET AUDIENCE:

ODOT Employees

MS4 LIAISON ACTIVITY

- Track quarterly facility inspection and stormwater visual assessment completion.
- Monitor inspection findings and corrective actions.
- Document facility changes.

FACILITIES

PP/GH
6.3

MS4 LIAISON ANNUAL REPORT FORM
FACILITIES PP/GH – JANUARY TO DECEMBER

Send Completed Forms to Office of Hydraulic Engineering (OHE) – Stormwater Project Manager

Facilities with Modifications to Site	Describe Changes

APPENDIX A DISTRICT MS4 URBANIZED AREA MAPS

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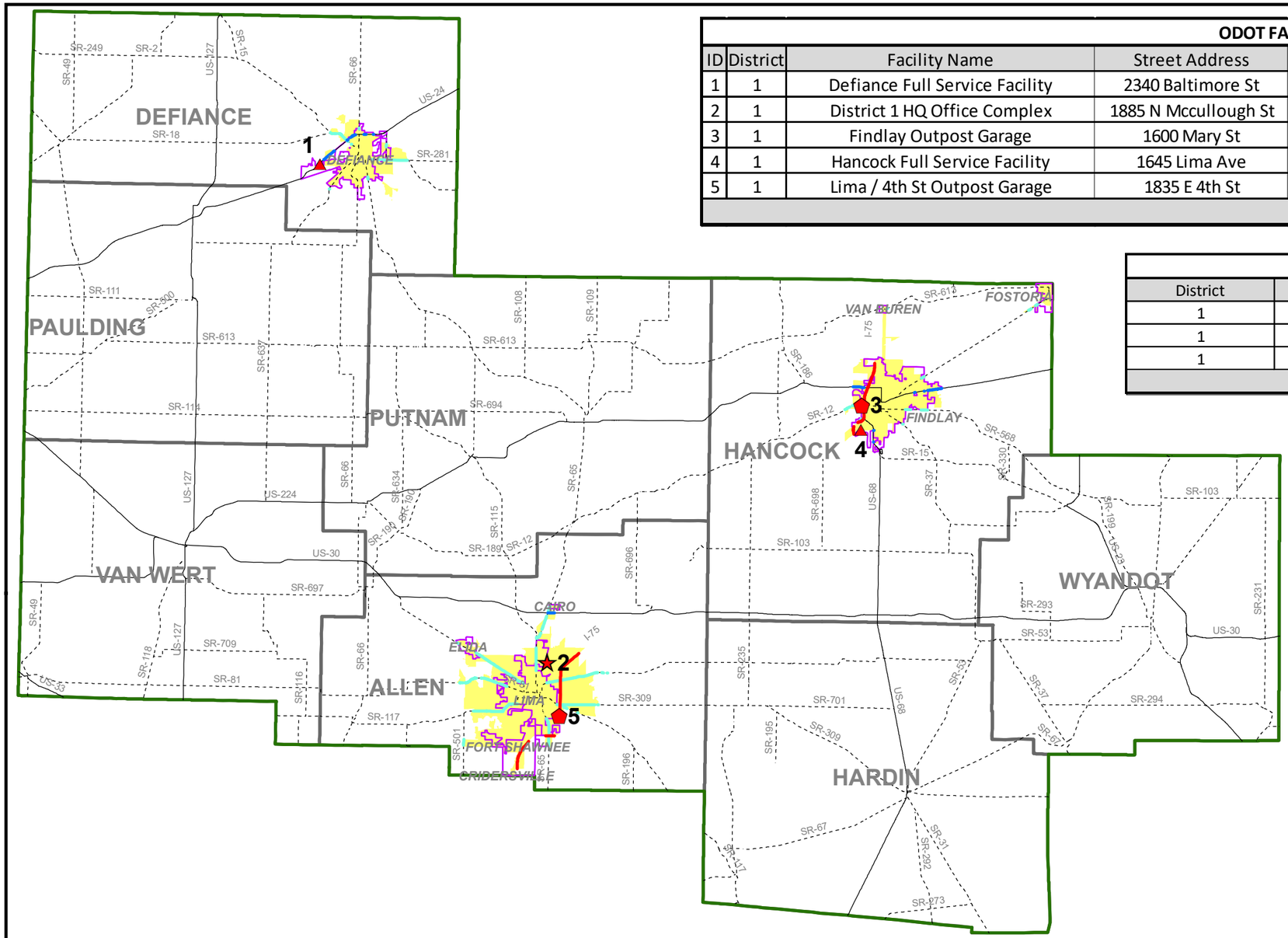


ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	1	Defiance Full Service Facility	2340 Baltimore St	Defiance	43512	41.276637	-84.41269	15	0.023
2	1	District 1 HQ Office Complex	1885 N Mccullough St	Lima	45801	40.773436	-84.093715	33	0.052
3	1	Findlay Outpost Garage	1600 Mary St	Findlay	45840	41.040563	-83.676081	5	0.008
4	1	Hancock Full Service Facility	1645 Lima Ave	Findlay	45840	41.015354	-83.676924	9	0.014
5	1	Lima / 4th St Outpost Garage	1835 E 4th St	Lima	45804	40.719173	-84.076417	8	0.013
							District Total	70.0	0.110

ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
1	Interstate	20288.44	12.61	367
1	US Highway	6353.89	3.95	43
1	State Route	44741.02	27.80	202
		District Total	44.36	612

- Interstates
- State Routes
- U.S. Highways
- Regulated US Highways
- Regulated State Routes
- Regulated Interstates
- 2010 Census Incorporated Areas
- ODOT MS4 Urbanized Boundary
- District Boundary
- County Boundary
- # Facility ID
- Headquarter Office
- Full Service Facility
- Vacant
- Outpost Yard

N

0 20 40 80 120 160 Miles

NOTES

This figure was developed with the following shapefiles:

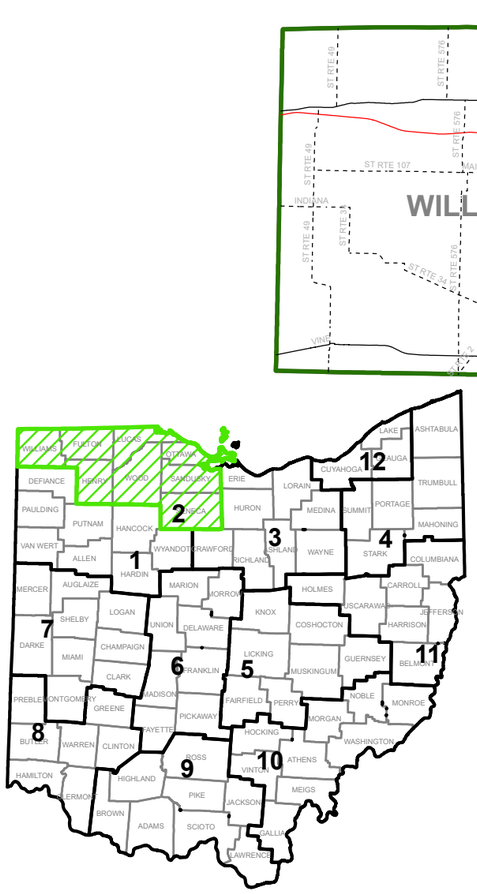
ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

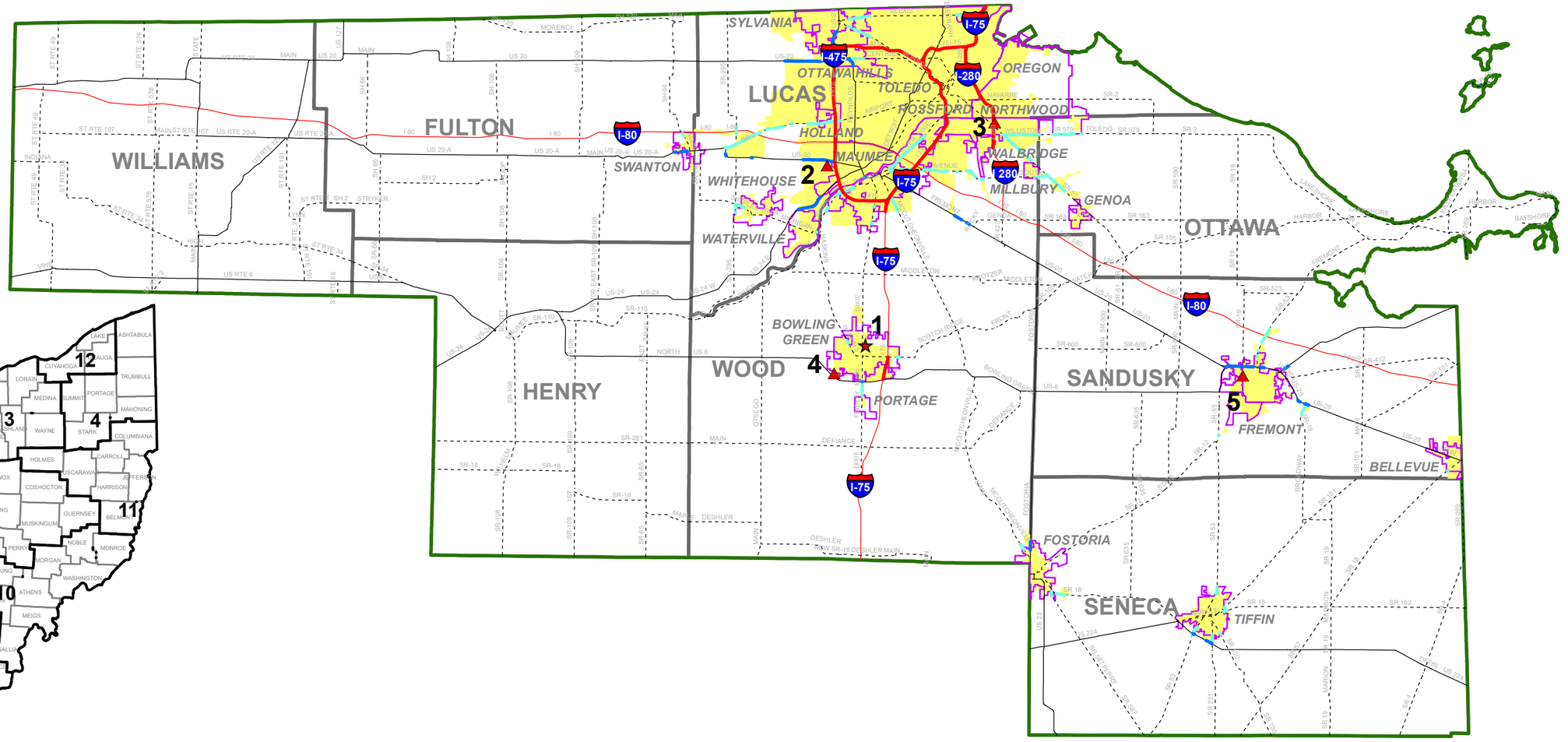
Ohio Department of Transportation
Statewide Stormwater Program

District 1 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

GS&P PROJECT NO. 42911.13
ODOT PID NO. 87652
DATE: Reviewed March 2024





ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	2	District 2 HQ Office	317 E Poe Rd	Bowling Green	43402	41.385808	-83.646461	12.0	0.019
2	2	Lucas Full Service Facility	4080 Technology Dr	Maumee	43537	41.567942	-83.702459	16.0	0.025
3	2	Northwood Full Service Facility	200 Lemoyne Rd	Northwood	43619	41.613489	-83.47523	11.0	0.017
4	2	Wood Full Service Facility	13982 Mitchell Rd	Bowling Green	43402	41.356914	-83.688256	13.0	0.020
5	2	Sandusky Full Service Facility	1215 Oak Harbor Road	Fremont	43420	41.35894	-83.136267	4.0	0.006
							District Total	56.0	0.087

ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
2	Interstate	79605.25	49.46	1439
2	US Highway	28030.78	17.42	190
2	State Route	55028.04	34.19	249
		District Total	101.07	1878

*I-80 Ohio Turnpike is not included as part of ODOT's Roadway System

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office

N

0 2.5 5 10 15 20 Miles

NOTES

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ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Updated City of Fremont ODOT MS4 Urbanized Boundary June 2017

Ohio Department of Transportation
Statewide Stormwater Program

District 2 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

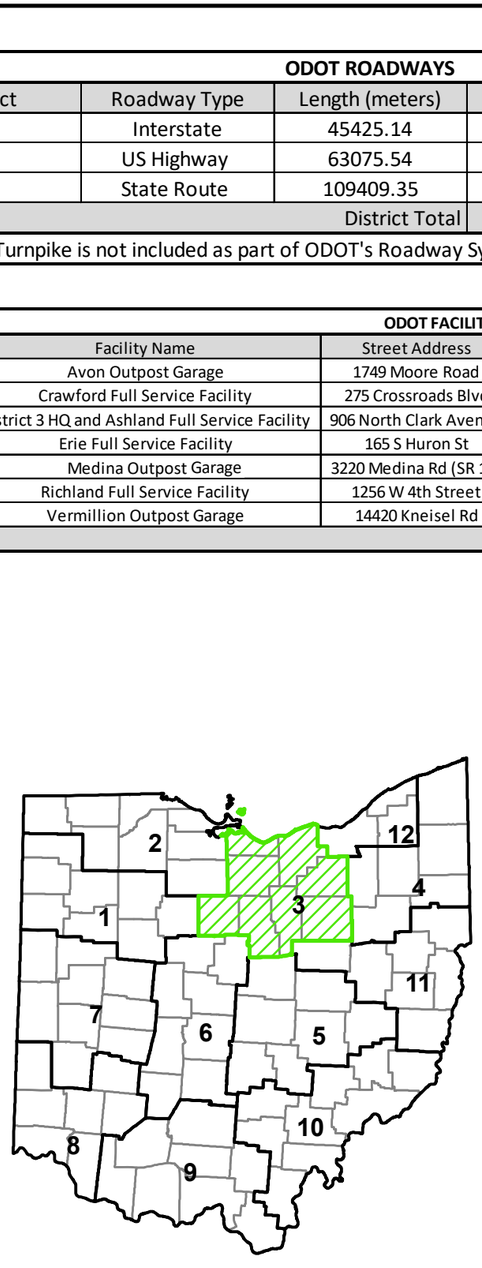
ODOT PID NO. 112963

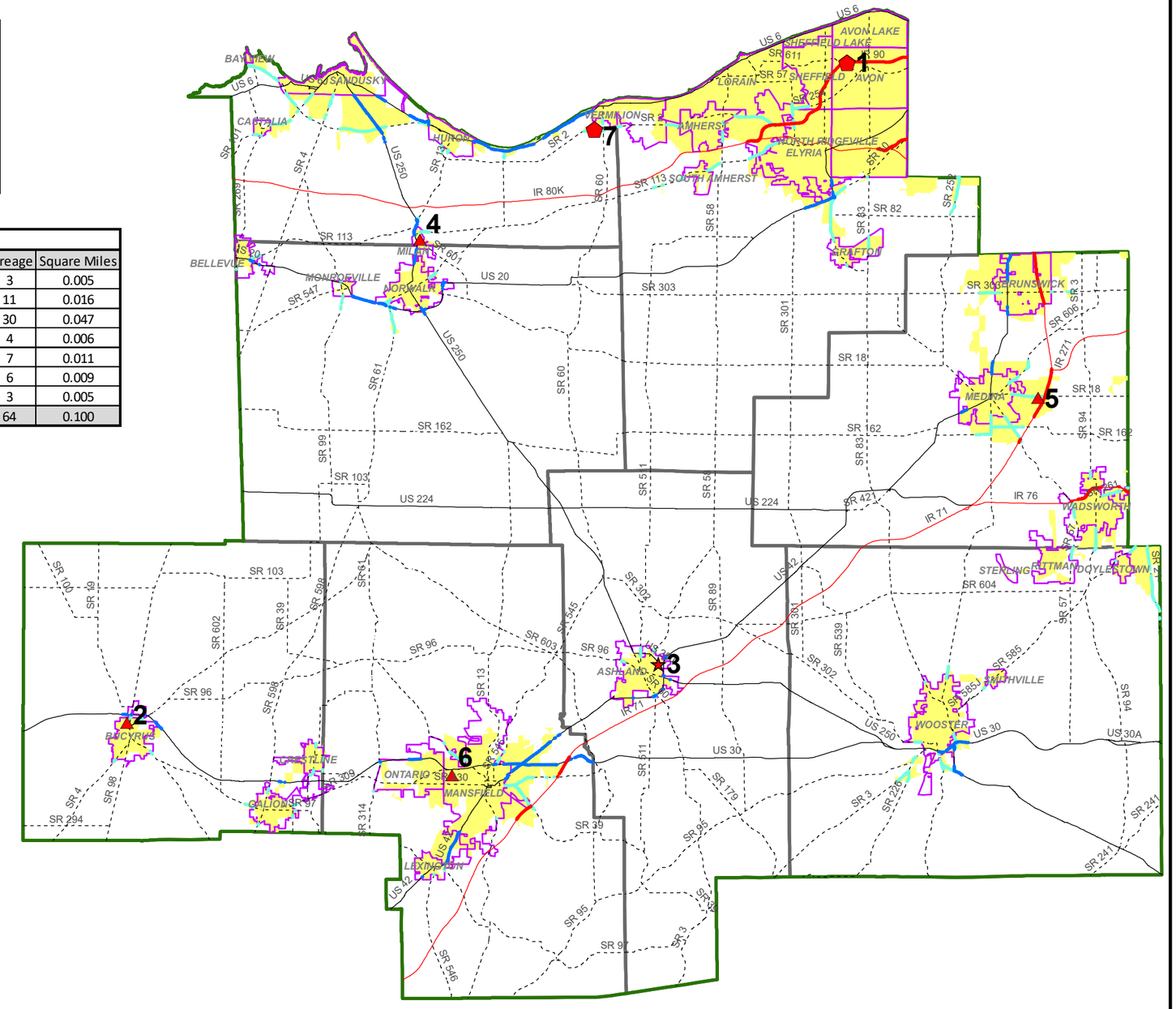
DATE: Reviewed March 2024

ODOT ROADWAYS				
District	Roadway Type	Length (meters)	Length (miles)	Acreage
3	Interstate	45425.14	28.23	821
3	US Highway	63075.54	39.19	428
3	State Route	109409.35	67.98	494
		District Total	135.40	1743

*I-80 Ohio Turnpike is not included as part of ODOT's Roadway System

ODOT FACILITIES									
ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	3	Avon Outpost Garage	1749 Moore Road	Avon	44011	41.463847	-82.047883	3	0.005
2	3	Crawford Full Service Facility	275 Crossroads Blvd	Bucyrus	44820	40.828056	-82.960278	11	0.016
3	3	District 3 HQ and Ashland Full Service Facility	906 North Clark Avenue	Ashland	44805	40.876669	-82.294739	30	0.047
4	3	Erie Full Service Facility	165 S Huron St	Milan	44846	41.291642	-82.602178	4	0.006
5	3	Medina Outpost Garage	3220 Medina Rd (SR 18)	Medina	44256	41.134794	-81.802683	7	0.011
6	3	Richland Full Service Facility	1256 W 4th Street	Mansfield	44906	40.767914	-82.560372	6	0.009
7	3	Vermillion Outpost Garage	14420 Kneisel Rd	Vermillion	44089	41.399472	-82.375914	3	0.005
							District Total	64	0.100





Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard
Vacant

N

0 2.5 5 10 15 20 Miles

NOTES

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ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Ohio Department of Transportation
Statewide Stormwater Program

District 3 MS4 Regulated Roadway Segments & Facilities

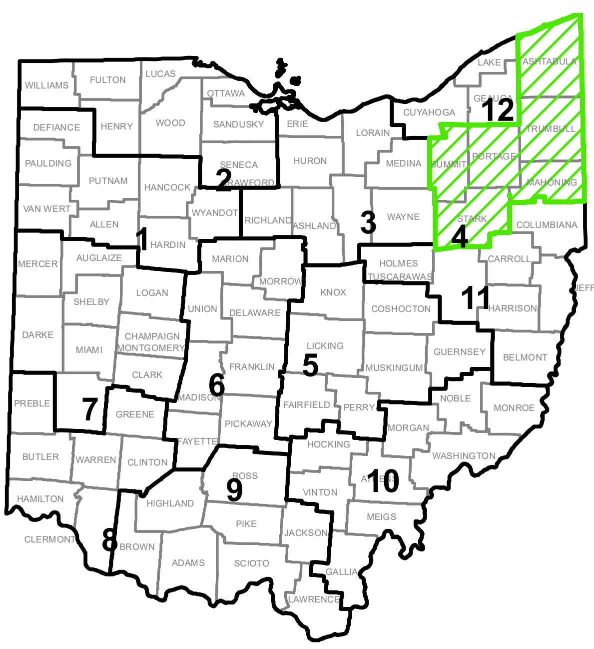
JEO CONSULTING GROUP

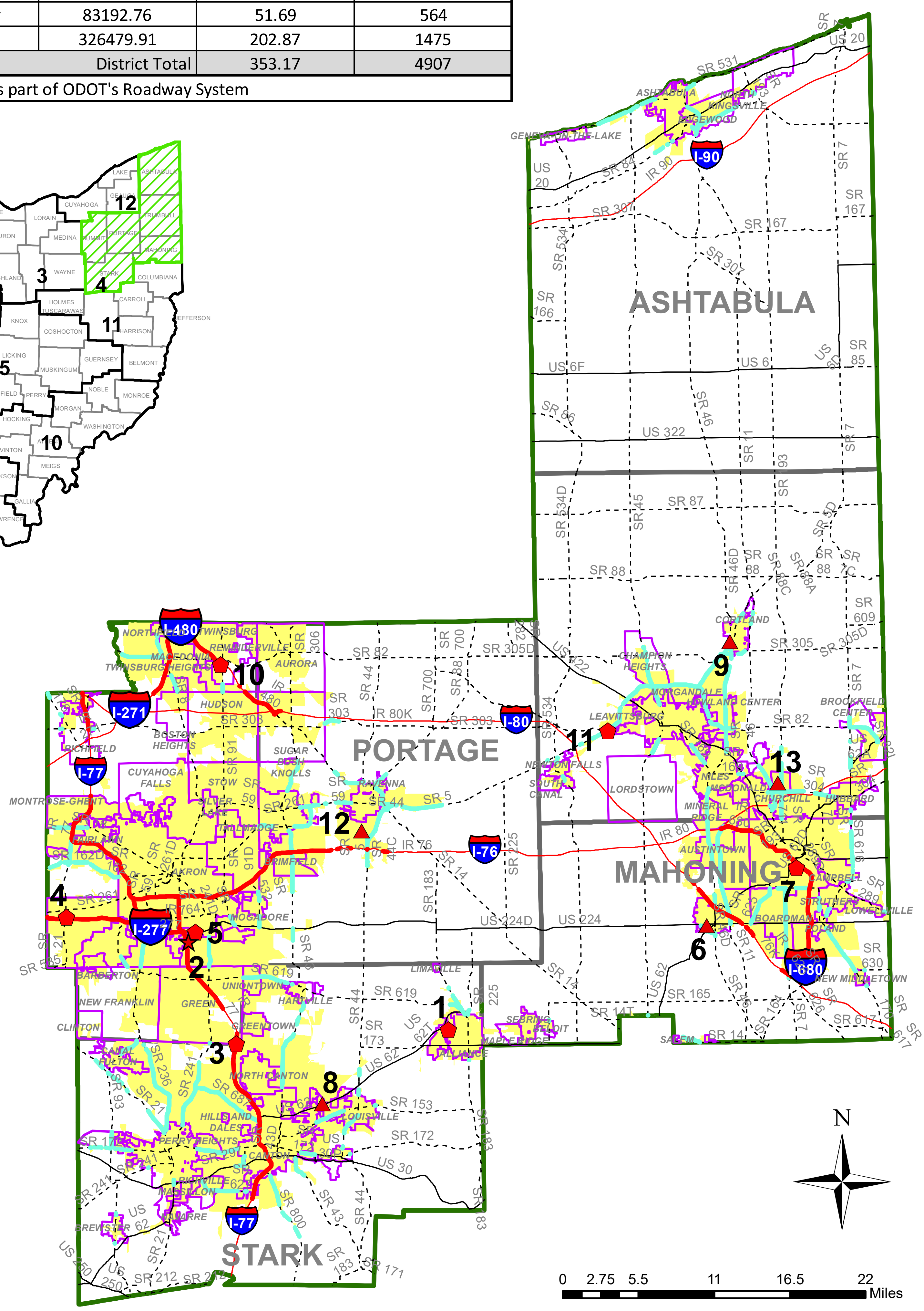
GS&P PROJECT NO. 42911.13
ODOT PID NO. 87652
DATE: Reviewed March 2024

ODOT FACILITIES									
ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	4	Alliance Outpost Yard	144 Sawburg Rd	Alliance	44601	40.919039	-81.133381	2	0.003
2	4	District Four Headquarters	2088 S Arlington Rd	Akron	44306	41.014753	-81.492689	17	0.027
3	4	Greensburg-Airport Outpost Garage	4377 Mt. Pleasant Rd	North Canton	44720	40.907203	-81.427389	16	0.025
4	4	Interchange / Norton Outpost Garage	3349 SR 21	Norton	44203	41.042003	-81.661325	6	0.009
5	4	Kelly Avenue Outpost Garage	1240 Starlight Dr	Akron	44308	41.024981	-81.482489	2	0.003
6	4	Mahoning County (Canfield) Full Service Facility	401 W Main St	Canfield	44406	41.023303	-80.772625	8	0.013
7	4	South Avenue Outpost Yard	1510 South Ave	Youngstown	44502	41.082447	-80.646686	3	0.005
8	4	Stark Full Service Facility	4505 Atlantic Blvd	Canton	44705	40.842389	-81.309461	8	0.013
9	4	Trumbull (Cortland) Full Service Facility	310 Second St	Cortland	44410	41.321058	-80.732853	4	0.006
10	4	Twinsburg Outpost Garage	8820 Darrow Rd	Twinsburg	44087	41.305731	-81.443072	5	0.008
11	4	Warren Outpost Yard	6788 W Market St	Warren	44430	41.230428	-80.905228	2	0.003
12	4	Portage County Garage	5071 Commerce One Dr Rootstown	Portage	44266	41.12837	-81.25011	5	0.008
13	4	Trumbull Full Service Facility	5140 Belmont Ave	Youngstown	44505	41.173221	-80.665538	12	0.019
							District Total	90	0.141

ODOT ROADWAYS				
District	Roadway Type	Length (meters)	Length (miles)	Acreage
4	Interstate	158701.54	98.61	2868
4	US Highway	83192.76	51.69	564
4	State Route	326479.91	202.87	1475
		District Total	353.17	4907

*I-80 Ohio Turnpike is not included as part of ODOT's Roadway System





Interstates
State Routes
U.S. Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard

NOTES

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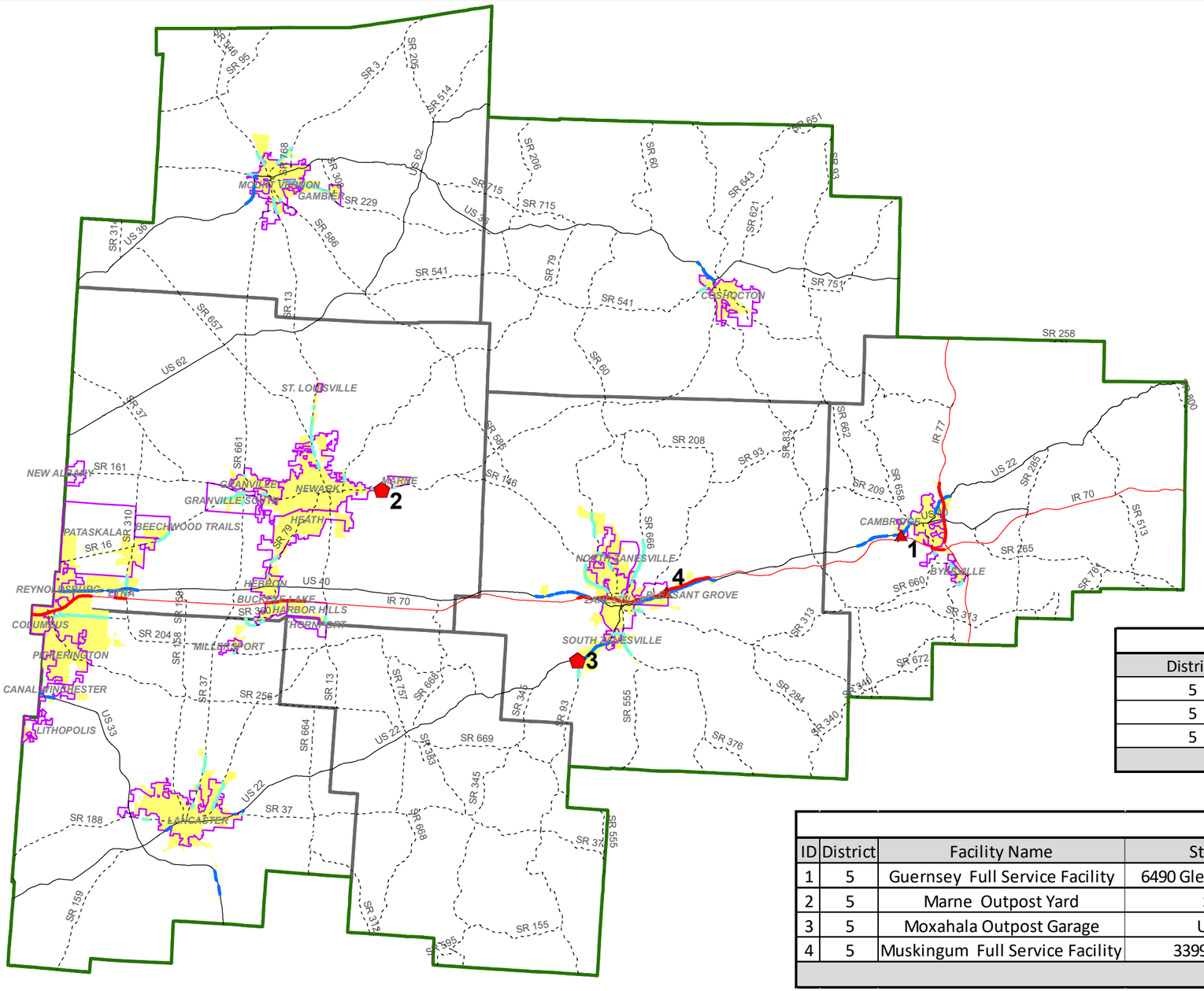
ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

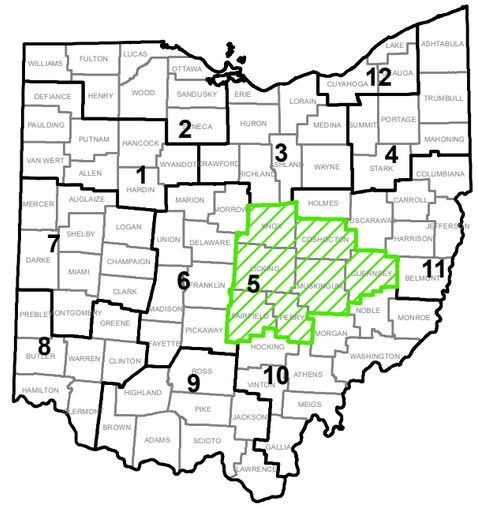
Ohio Department of Transportation
Statewide Stormwater Program

District 4 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

DATE: Reviewed March 2024





ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
5	Interstate	33724.02	20.96	610
5	US Highway	39221.47	24.37	266
5	State Route	59063.57	36.70	267
		District Total	82.03	1143

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	5	Guernsey Full Service Facility	6490 Glenn Highway (US 22)	Cambridge	43725	40.012359	-81.620128	4	0.006
2	5	Marne Outpost Yard	SR 16 & 585	Marne	43055	40.063289	-82.332407	2	0.003
3	5	Moxahala Outpost Garage	Us 22 & SR 93	Fultonham	43738	39.882858	-82.064757	1	0.002
4	5	Muskingum Full Service Facility	3399 E. Pike (US 40)	Zanesville	43701	39.95389	-81.942737	12	0.019
							District Total	19	0.030

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard

N

0 2.5 5 10 15 20 Miles

NOTES

This figure was developed with the following shapefiles:

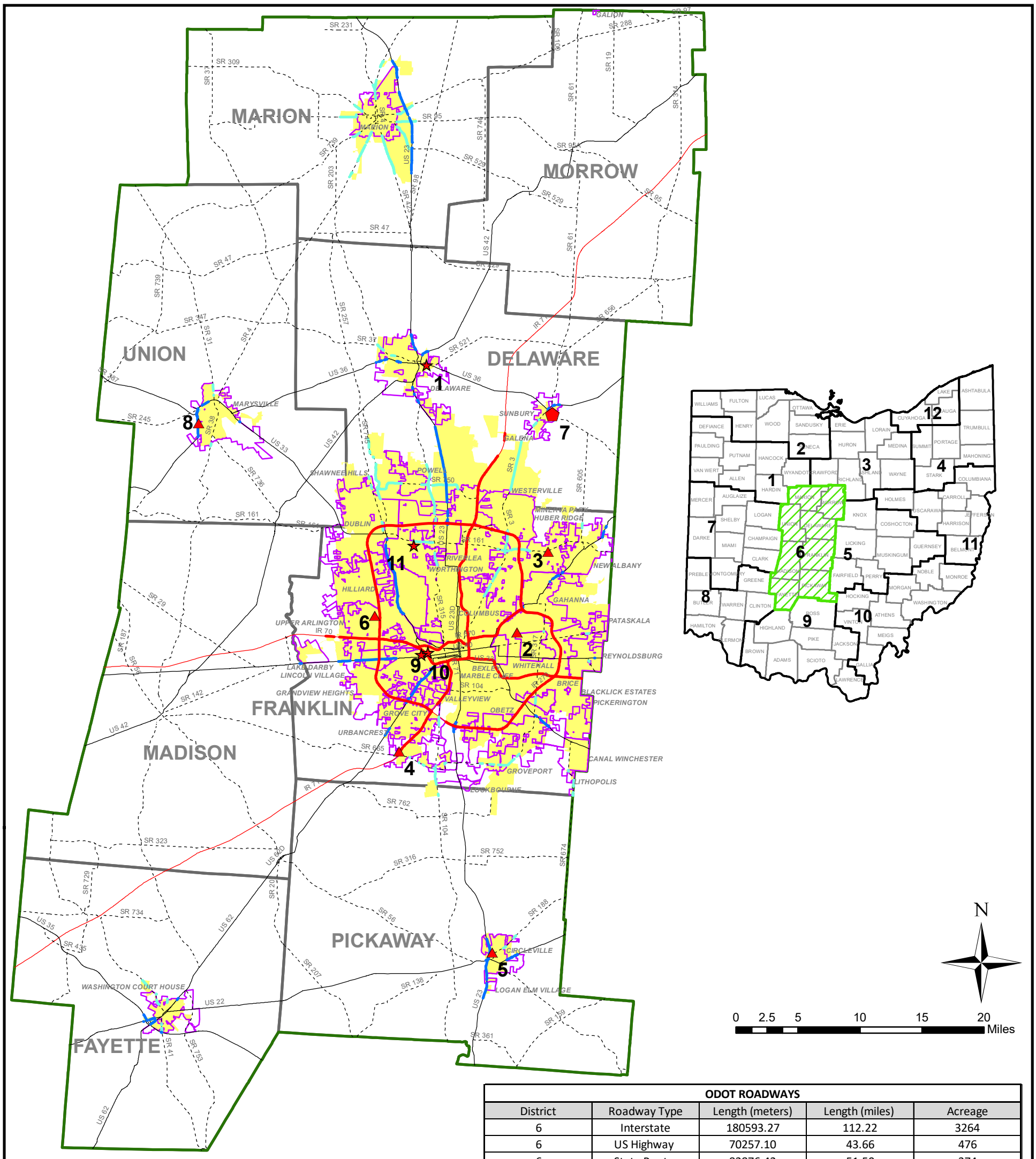
ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Ohio Department of Transportation
Statewide Stormwater Program

District 5 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

GS&P PROJECT NO. 432911.13
ODOT PID NO. 87652
DATE: Reviewed March 2024



ODOT ROADWAYS				
District	Roadway Type	Length (meters)	Length (miles)	Acreage
6	Interstate	180593.27	112.22	3264
6	US Highway	70257.10	43.66	476
6	State Route	82876.42	51.50	374
		District Total	207.38	4114

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	6	District 6 Headquarters	400 E Williams St	Delaware	43015	40.29682	-83.049612	21	0.033
2	6	Fifth Avenue Full Service Facility	3500 E Fifth Avenue	Columbus	43219	39.985239	-82.910028	4	0.006
3	6	Franklin Full Service Facility	4730 E Dublin-Granville Rd	Westerville	43081	40.07959	-82.862915	9	0.014
4	6	Grove City Full Service Facility	6000 Haughn Rd (SR 665 at I-71)	Grove City	43123	39.845185	-83.087862	6	0.009
5	6	Pickaway Full Service Facility (vacant)	150 Highland St	Circleville	43113	39.610563	-82.94518	6	0.009
6	6	Roberts Road (Hilliard) Full Service Facility	4400 Currency Dr	Columbus	43228	40.003616	-83.125871	10	0.016
7	6	Sunbury Outpost Garage	Morning St	Sunbury	43074	40.240497	-82.85757	1	0.002
8	6	Union Full Service Facility	1717 Collins Ave	Marysville	43040	40.22673	-83.39679	6	0.009
9	21	Central Office Garage	1620 W Broad St	Columbus	43223	39.960944	-83.044889	40	0.063
10	21	Central Office Headquarters	1980 W Broad St	Columbus	43223	39.959	-83.054756	100	0.156
11	21	Don Scott Aviation	2929 W Dublin-Granville Rd	Worthington	43235	40.086336	-83.067628	12	0.019
							District Total	215	0.337

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Headquarter Office
Full Service Facility
Outpost Yard
Vacant

NOTES

This figure was developed with the following shapefiles:

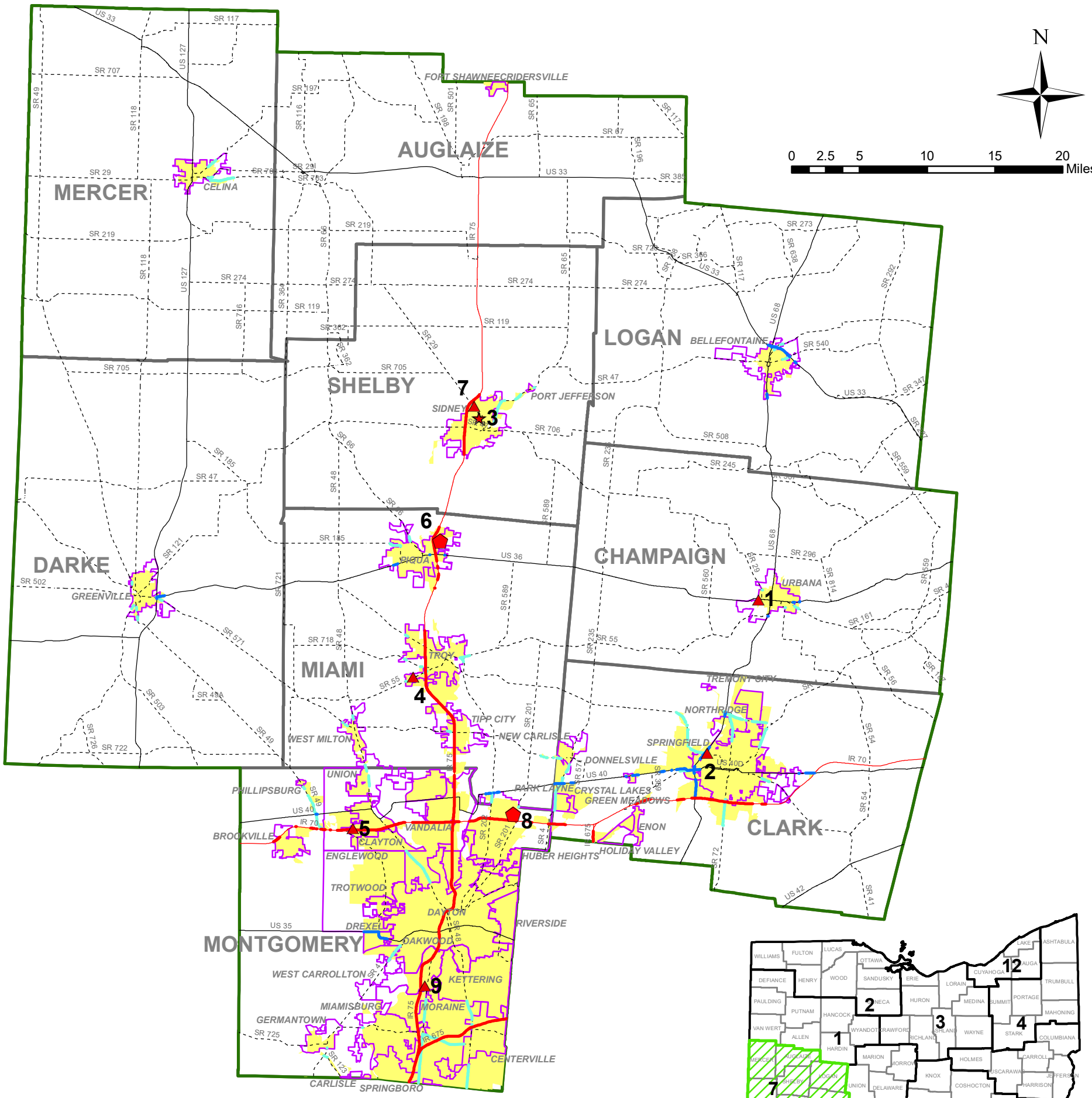
ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Ohio Department of Transportation
Statewide Stormwater Program

District 6 & Central Office MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

GS&P PROJECT NO. 42911.13
ODOT PID NO. 87652
DATE: Revised March 2024



ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
7	Interstate	115278.86	71.63	2084
7	US Highway	21193.26	13.17	144
7	State Route	73970.55	45.96	334
		District Total	130.76	2562

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	7	Champaign Full Service Facility	217 S Edgewood Ave	Urbana	43078	40.107966	-83.769183	5	0.008
2	7	Clark Full Service Facility	1630 West First St	Springfiled	45504	39.943498	-83.837783	8	0.013
3	7	District 7 HQ Office	1001 St Marys Ave	Sidney	45365	40.297856	-84.162996	16	0.025
4	7	Miami Full Service Facility	2423 West SR 55	Troy	45373	40.019786	-84.247844	8	0.013
5	7	Montgomery Full Service Facility	300 Smith Dr	Clayton	45315	39.856228	-84.327528	10	0.016
6	7	Piqua Outpost Garage	9015 Looney Rd	Piqua	45356	40.165875	-84.214284	4	0.006
7	7	Shelby Full Service Facility	2190 SR 29	Sidney	45365	40.310233	-84.169839	11	0.017
8	7	Shull Road Outpost Garage	7130 Shull Rd	Huber Heights	45424	39.875238	-84.105308	6	0.009
9	7	Dryden Road Full Service Facility	3500 Dryden Road	Moraine	45439	39.68859	-84.2256	10	0.016
							District Total	78	0.122

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard

NOTES

This figure was developed with the following shapefiles:

ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Ohio Department of Transportation
Statewide Stormwater Program

District 7 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

GS&P PROJECT NO. 42911.13
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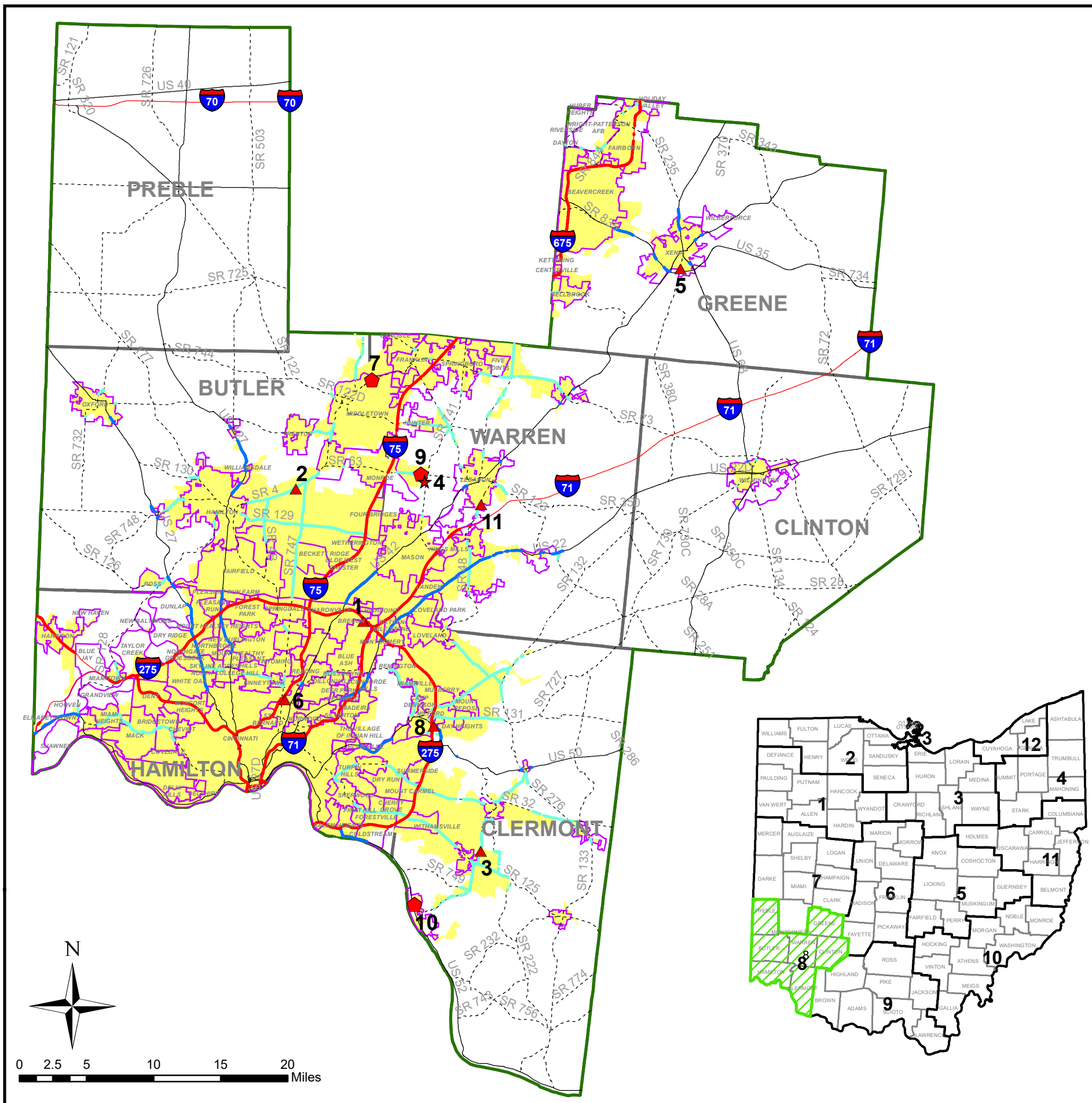

ODOT ROADWAYS				
District	Roadway Type	Length (meters)	Length (miles)	Acreage
8	Interstate	224204.02	139.31	4052
8	US Highway	79272.56	49.26	537
8	State Route	222579.79	138.30	1006
		District Total	326.87	5595

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	8	Blue Ash Full Service Facility	11564 Grooms Rd	Cincinnati	45242	39.278722	-84.365516	5	0.008
2	8	Butler Full Service Facility	4560 Kyles Station Rd	Hamilton	45011	39.419911	-84.463578	14	0.022
3	8	Clermont Full Service Facility	3600 SR 132	Ameilia	45102	39.032964	-84.196606	17	0.027
4	8	District 8 HQ Office	505 OH 741	Lebanon	45036	39.431088	-84.284686	26	0.041
5	8	Greene Full Service Facility	622 SR 380	Xenia	45385	39.665846	-83.932447	10	0.016
6	8	Hamilton Full Service Facility	1400 East Seymour Ave.	Cincinnati	45237	39.192024	-84.472647	10	0.015
7	8	Middletown Outpost Garage	4011 Tytus Ave.	Middletown	45042	39.539772	-84.360502	18	0.028
8	8	Milford Full Service Facility	809 Route 50	Milford	45150	39.166756	-84.264917	5	0.008
9	8	Monroe Outpost Garage	6101 OH 63	Lebanon	45036	39.43908	-84.290124	3	0.005
10	8	New Richmond Outpost Garage	939 Old Route US 52	New Richmond	45157	38.974065	-84.286755	5	0.008
11	8	Warren Full Service Facility	1790 Cornett Dr	Lebanon	45036	39.407179	-84.205042	15	0.023
							District Total	128	0.201

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
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County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard

NOTES

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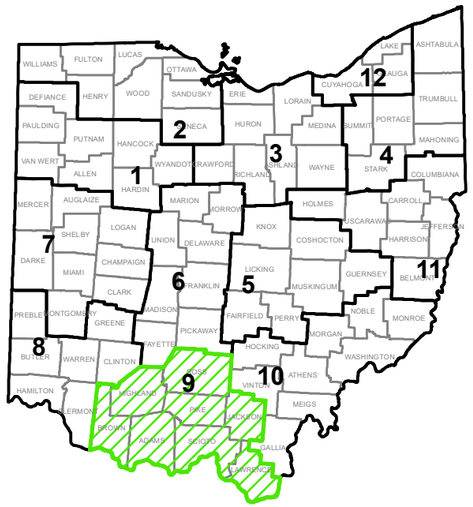
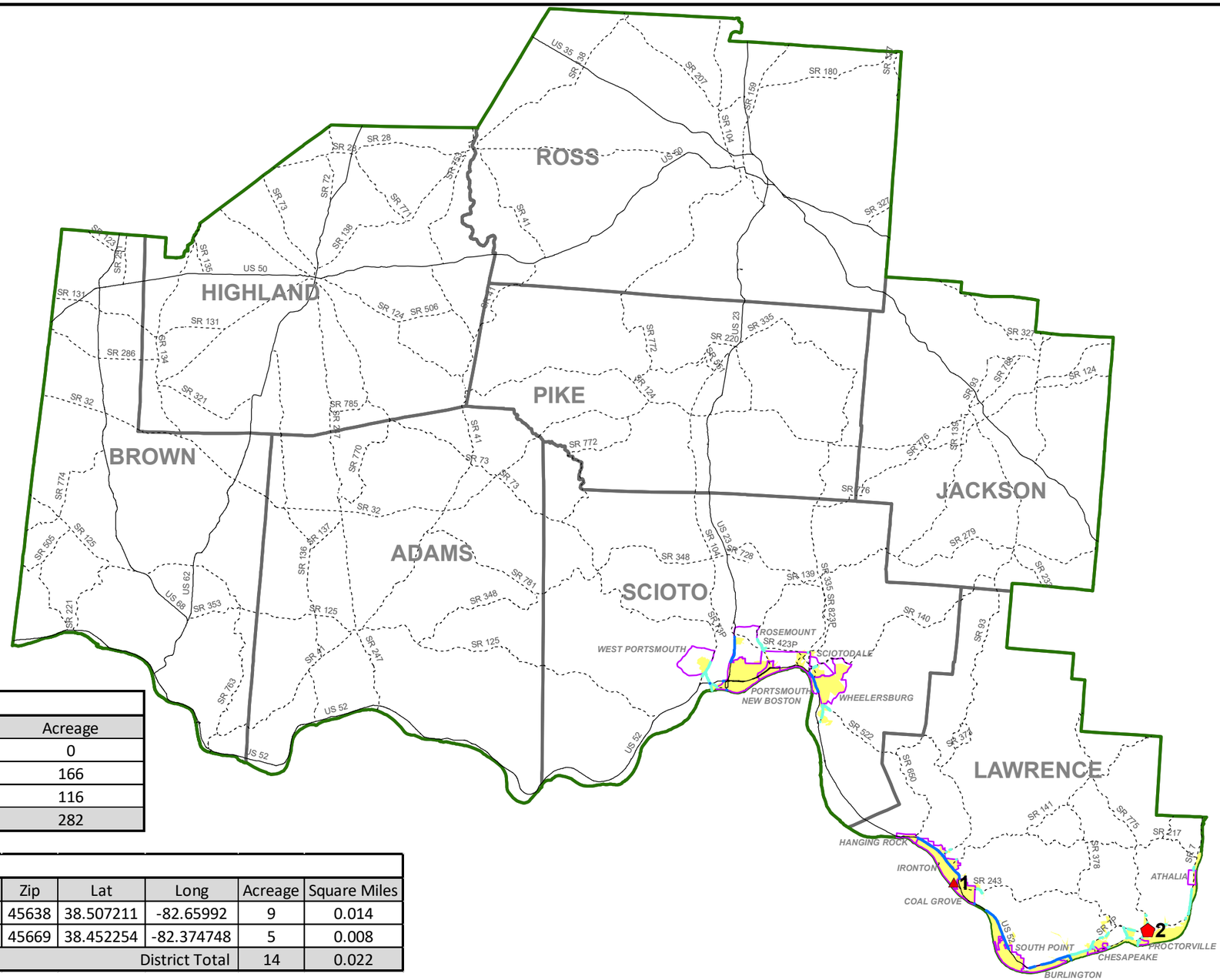
Ohio Department of Transportation
Statewide Stormwater Program

District 8 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

DATE: Reviewed March 2024





ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
9	Interstate	0.00	0.00	0
9	US Highway	24464.15	15.20	166
9	State Route	25568.87	15.89	116
		District Total	31.09	282

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	9	Lawrence Full Service Facility	450 Commerce Dr	Ironton	45638	38.507211	-82.65992	9	0.014
2	9	Proctorville Outpost Garage	1032 SR 775	Proctorville	45669	38.452254	-82.374748	5	0.008
							District Total	14	0.022

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Full Service Facility
Headquarter Office
Outpost Yard

N

0 3.75 7.5 15 22.5 30 Miles

NOTES

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ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Ohio Department of Transportation
Statewide Stormwater Program

District 9 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

GS&P PROJECT NO. 42911.13
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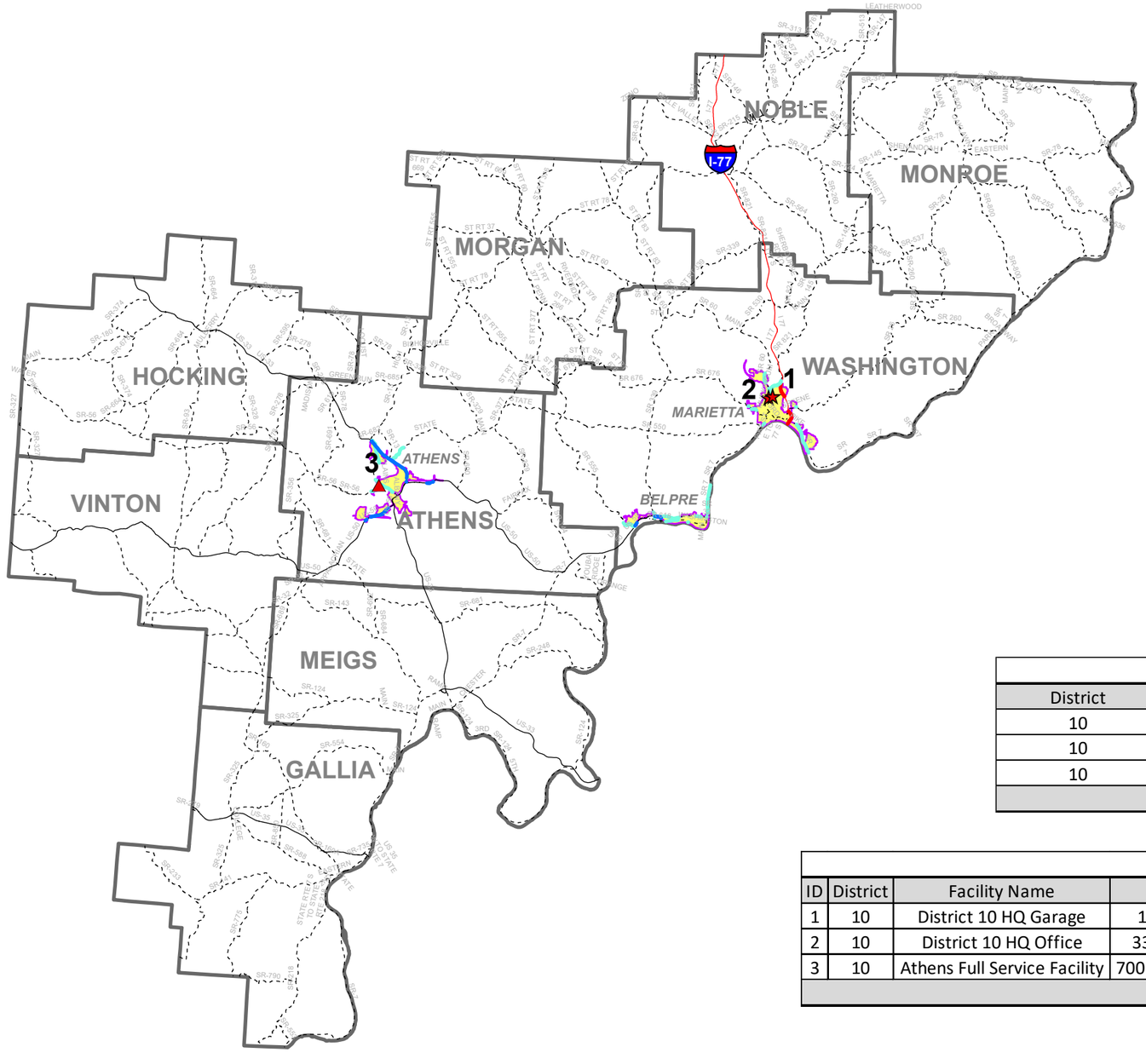
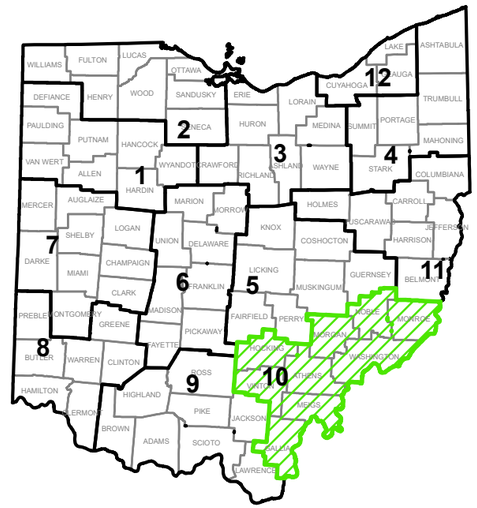
DATE: Reviewed March 2024





ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
10	Interstate	4214.06	2.62	76
10	US Highway	11876.08	7.38	81
10	State Route	30750.53	19.11	139
		District Total	29.11	296

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	10	District 10 HQ Garage	1401 Colegate Dr	Marietta	45750	39.442677	-81.453453	9.00	0.014
2	10	District 10 HQ Office	338 Muskingum Dr	Marietta	45750	39.440604	-81.460335	2.00	0.003
3	10	Athens Full Service Facility	700 West Union Street	Athens	45701	39.328607	-82.129791	16.00	0.025
							District Total	27	0.042

Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
County Boundary
Facility ID
▲ Full Service Facility
★ Headquarter Office

N

0 3.75 7.5 15 22.5 30 Miles

NOTES

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ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Updated City of Athens ODOT MS4 Urbanized Boundary June 2017

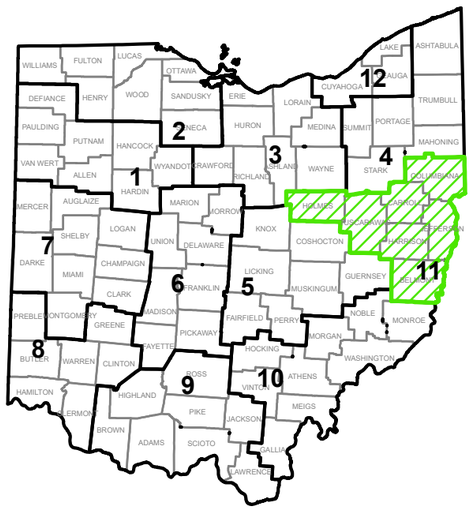
Ohio Department of Transportation
Statewide Stormwater Program

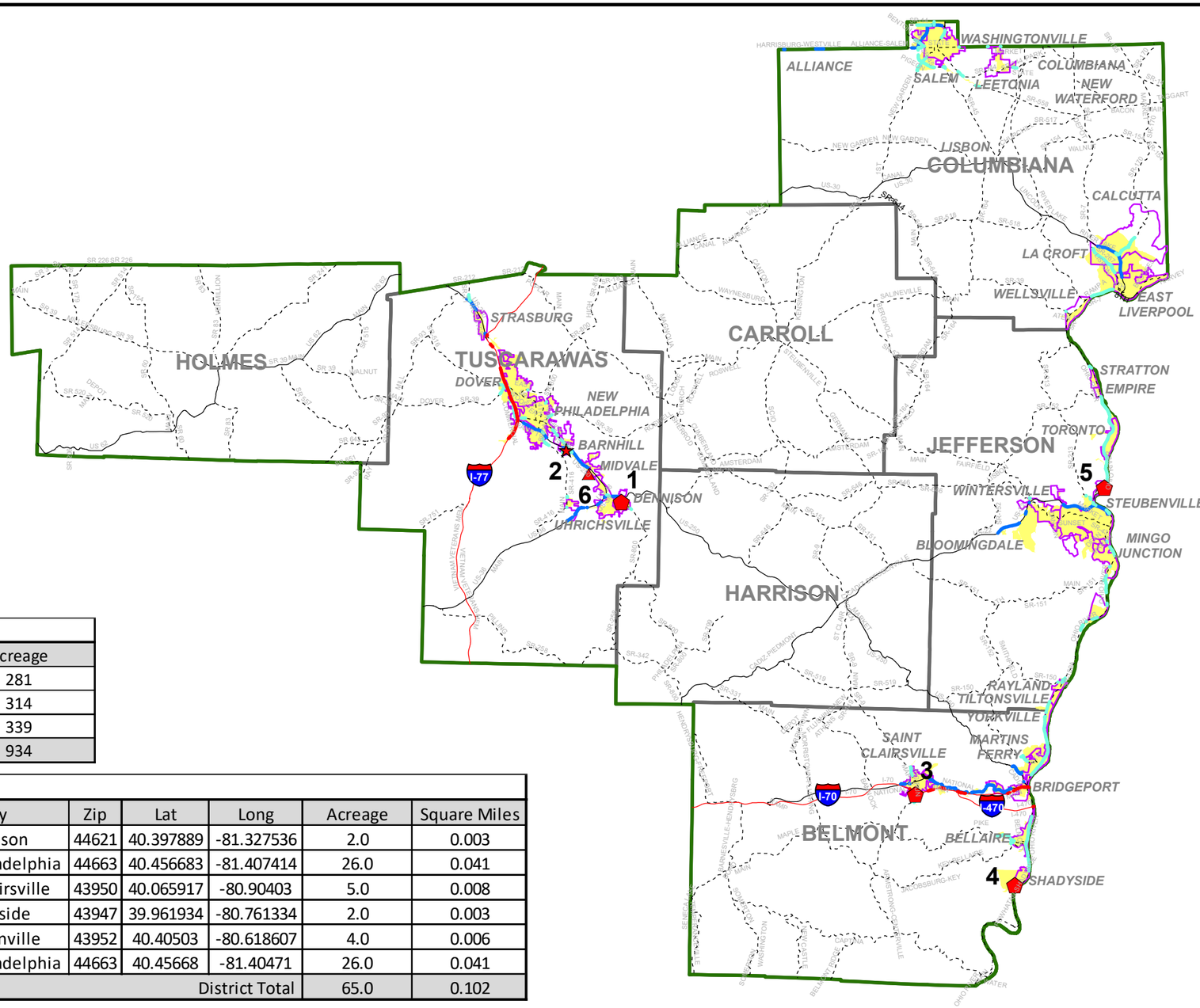
District 10 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

ODOT PID NO. 112963

DATE: Reviewed March 2024





ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
11	Interstate	15534.96	9.65	281
11	US Highway	46252.50	28.74	314
11	State Route	75146.57	46.69	339
		District Total	85.08	934

ODOT FACILITIES

ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	11	Dennison Outpost Garage	509 Stillwater Ave	Dennison	44621	40.397889	-81.327536	2.0	0.003
2	11	District 11 HQ	2201 Reiser Ave	New Philadelphia	44663	40.456683	-81.407414	26.0	0.041
3	11	Saint Clairsville Outpost Garage	49226 Wabash Ave	Saint Clairsville	43950	40.065917	-80.90403	5.0	0.008
4	11	Shadyside Outpost Yard	56880 McGee Rd	Shadyside	43947	39.961934	-80.761334	2.0	0.003
5	11	Toronto Outpost Garage	940 Kingsdale Rd	Steubenville	43952	40.40503	-80.618607	4.0	0.006
6	11	Tuscarawas Full Service Facility	2201 Reiser Ave	New Philadelphia	44663	40.45668	-81.40471	26.0	0.041
							District Total	65.0	0.102

Interstates
State Routes
U.S. Highways
Regulated State Routes
Regulated US Highways

Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary

\# Facility ID
Full Service Facility
Vacant
Headquarter Office
Outpost Yard

N

0 2.5 5 10 15 20 Miles

NOTES

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ODOT District, Counties, Major Roads, ODOT MS4 Urbanized Boundary, 2010 Census Incorporated Areas Regulated ODOT Facilities, Interstate Segments, State Route Segments and US Segments

Updated City of East Liverpool ODOT MS4 Urbanized Boundary June 2017

Ohio Department of Transportation
Statewide Stormwater Program

District 11 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

ODOT PID NO. 112963

DATE: Reviewed March 2024

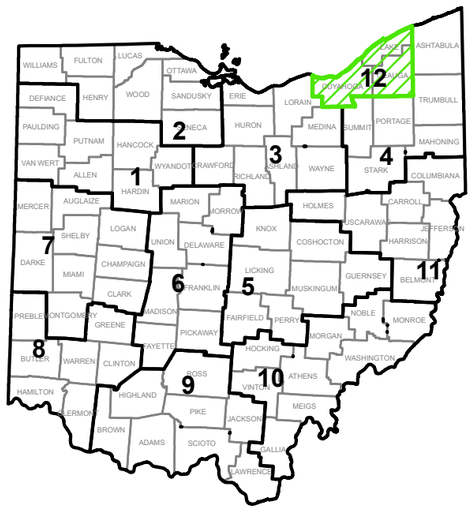
ODOT FACILITIES

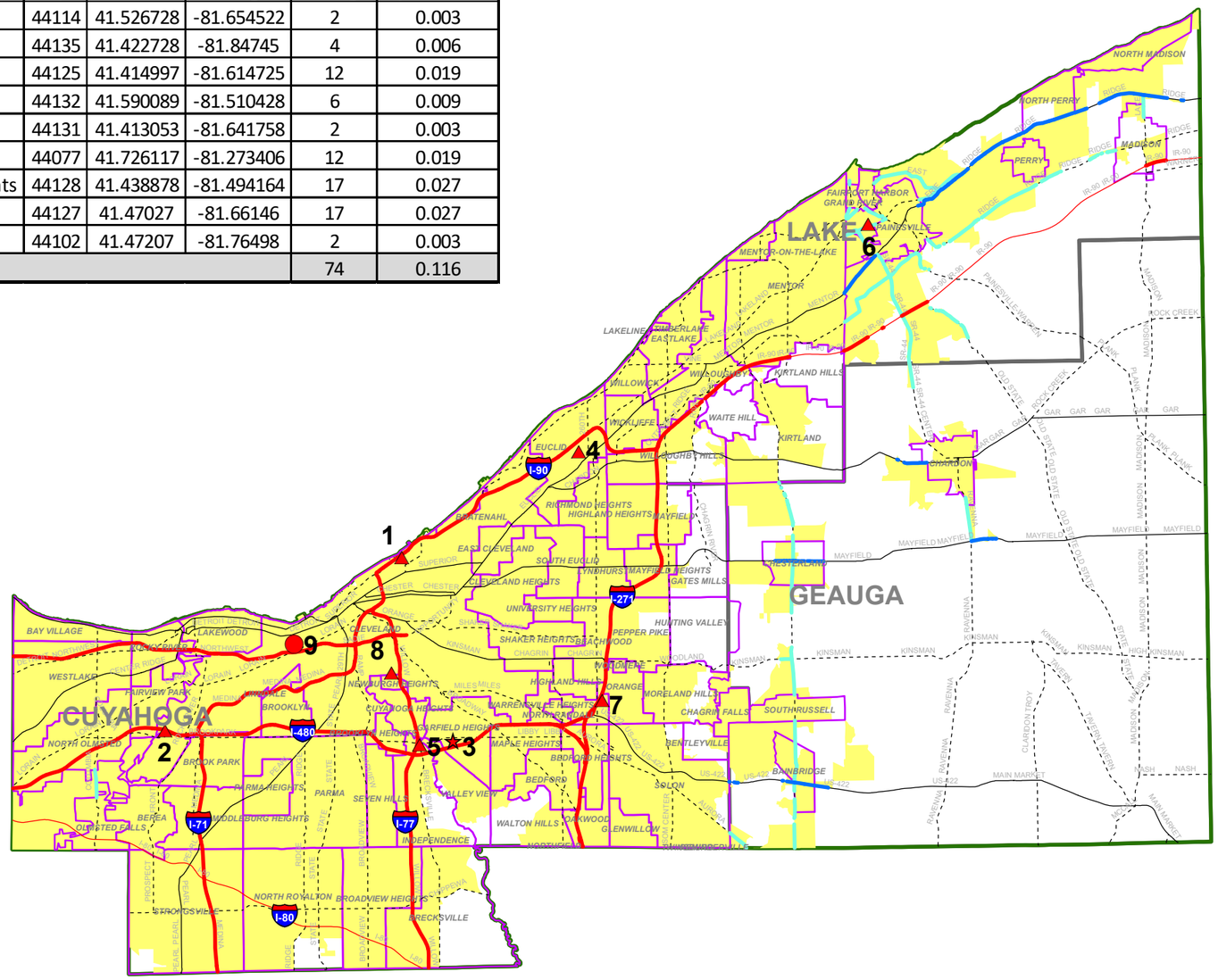
ID	District	Facility Name	Street Address	City	Zip	Lat	Long	Acreage	Square Miles
1	12	Cleveland I-90 Full Service Facility	5430 Lake Ct	Cleveland	44114	41.526728	-81.654522	2	0.003
2	12	Cuyahoga (Riveredge) Full Service Facility	4940 Old Grayton Rd	Cleveland	44135	41.422728	-81.84745	4	0.006
3	12	District 12 HQ Office	5500 Transportation Blvd	Garfield Heights	44125	41.414997	-81.614725	12	0.019
4	12	Euclid Full Service Facility	25500 Saint Claire Ave	Euclid	44132	41.590089	-81.510428	6	0.009
5	12	Independence Full Service Facility	5469 Old Brecksville Rd	Independence	44131	41.413053	-81.641758	2	0.003
6	12	Lake Full Service Facility	10 Blackbrook Rd	Painesville	44077	41.726117	-81.273406	12	0.019
7	12	Warrensville Full Service Facility	25609 Emery Rd	Warrensville Heights	44128	41.438878	-81.494164	17	0.027
8	12	Cleveland Full Service Facility	3299 East 44th Street	Cleveland	44127	41.47027	-81.66146	17	0.027
9	12	114th Street Salt Yard	2151 W. 114th St	Cleveland	44102	41.47207	-81.76498	2	0.003
								74	0.116

ODOT ROADWAYS

District	Roadway Type	Length (meters)	Length (miles)	Acreage
12	Interstate	205460.46	127.67	3714
12	US Highway	30083.90	18.69	204
12	State Route	72140.78	44.83	326
		District Total	191.19	4244

*I-80 Ohio Turnpike is not included as part of ODOT's Roadway System





Interstates
State Routes
U.S. Highways
Regulated US Highways
Regulated State Routes
Regulated Interstates
2010 Census Incorporated Areas
ODOT MS4 Urbanized Boundary
District Boundary
County Boundary
Facility ID
Vacant
Full Service Facility
Headquarter Office

N

0 20 40 80 120 160 Miles

NOTES

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Ohio Department of Transportation
Statewide Stormwater Program

District 12 MS4 Regulated Roadway Segments & Facilities

JEO CONSULTING GROUP

ODOT PID NO. 112963

DATE: Reviewed March 2024

Appendix B Stormwater Management Program Organization Chart

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Stormwater Management Program

TABLE OF ORGANIZATION – April 2024

The SWMP maintains program development of all MCMs in connection with Central Office and District personnel. The chart indicates offices and their responsibilities to the SWMP.

Reporting/Compliance

Central Office

Hydraulic Engineering Office

Jeffery Syar, P.E.
OFFICE ADMINISTRATOR
614.272.1373

Becky Humphreys, P.E.
ASSISTANT ADMINISTRATOR/
STORMWATER MANAGEMENT
PROGRAM MANAGER
614.387.1125
BECKY.HUMPHREYS@DOT.OHIO.GOV

District Offices

Construction Administration (MCM 1, 2, 3, 4, 5)	Maintains SS832 for temporary E&S on ODOT construction projects, CMS and MOP	Regulatory liaison for construction
Hydraulic Engineering (MCM 1, 2, 3, 4, 5, 6)	Maintains specification for post-construction BMPs – L&D Vol. 2 & 3	Responsible for SWMP updates and revisions
Roadway Engineering (MCM 3)	Maintains procedures for R/W Use permits	
Alternative Project Delivery (MCM 1, 5)	Ensure innovative delivery projects include stormwater requirements	
Maintenance Operations (MCM 1, 2, 3, 4, 6)	Responsible for maintenance and operations policies, E&S controls for maintenance projects and at facilities	
Employee Development and Lean (MCM 1)	Manages and tracks ODOT employee internal training	
Facilities and Equipment Management (MCM 1, 3, 5, 6)	Maintains all facility/equipment policies and operations	Facility SPCC/SWPPP implementation
LTAP (MCM 1)	Provides public outreach to ODOT audiences through a range of training sessions and workshops	
Statewide Planning and Research (MCM 2)	Provides stormwater and water quality research	Research implementation
Environmental Services (MCM 1)	Maintains environmental policies and training for project level compliance with environmental permits through facility ECRs and development of SPCC plans	**Environmental training** → **Transportation Administrator**; **District Environmental Coordinator**; **Environmental Consultant Prequalifications**

Acceptance of SWPPP and contract implementation of SS832

Acceptance of post-construction BMPs

MS4 Liaison (MCM 1, 2, 3, 4, 5, 6)	Coordinates stormwater district activities and provides reports to Central Office
District Construction Administrator (MCM 3, 4, 5, 6)	Oversees Area Engineer and Project Engineer implementing SS832 on construction projects
District Environmental Coordinator (MCM 1)	Oversees project environmental compliance and environmental permit coordination
District Hydraulic Engineer (MCM 5)	Performs project reviews for design requirements
R/W Use Permit Coordinator (MCM 3)	Reviews, accepts and maintains R/W Use permits
District Hz-Waste Coordinator (MCM 1, 4, 6)	Maintains District compliance on projects/facilities including employee training associated with Hz-waste and solid waste
Highway Maintenance Administrator (MCM 3, 5, 6)	Manages all maintenance and operation activities in District
Facility Manager (MCM 1, 5, 6)	Manages individual facility daily operations including SWPPP, SPCC implementation, and facility post-construction BMP maintenance
Transportation Administrator (MCM 1, 3, 4, 5, 6)	Management/coordination of maintenance projects → Stormwater system inspection/ maintenance; Post-construction BMP maintenance; Facility SWPPP implementation and inspections; Snow and Ice operations

APPENDIX C ODOT DISTRICTS

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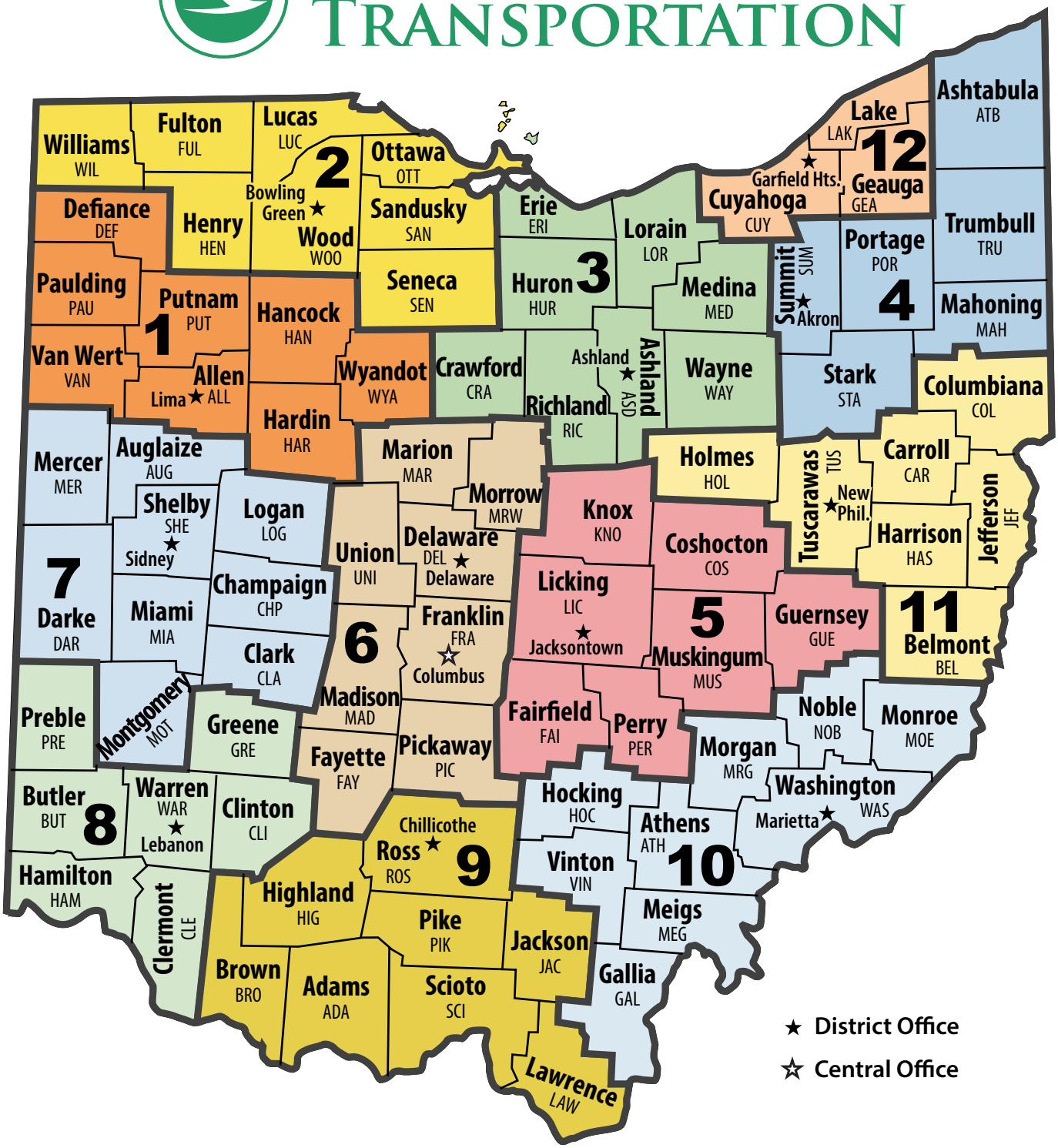
Ohio Department of Transportation



Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.	Code	Name	Dist.
ADA	Adams	9	CLA	Clark	7	FAI	Fairfield	5	HAS	Harrison	11	LIC	Licking	5	MOE	Monroe	10	POR	Portage	4	TRU	Trumbull	4
ALL	Allen	1	CLE	Clermont	8	FAY	Fayette	6	HEN	Henry	2	LOG	Logan	7	MOT	Montgomery	7	PRE	Preble	8	TUS	Tuscarawas	11
ASD	Ashland	3	CLI	Clinton	8	FRA	Franklin	6	HIG	Highland	9	LOR	Lorain	3	MRG	Morgan	10	PUT	Putnam	1	UNI	Union	6
ATB	Ashtabula	4	COL	Columbiana	11	FUL	Fulton	2	HOC	Hocking	10	LUC	Lucas	2	MRW	Morrow	6	RIC	Richland	3	VAN	Van Wert	1
ATH	Athens	10	COS	Coshocton	5	GAL	Gallia	10	HOL	Holmes	11	MAD	Madison	6	MUS	Muskingum	5	ROS	Ross	9	VIN	Vinton	10
AUG	Auglaize	7	CRA	Crawford	3	GEA	Geauga	12	HUR	Huron	3	MAH	Mahoning	4	NOB	Noble	10	SAN	Sandusky	2	WAR	Warren	8
BEL	Belmont	11	CUY	Cuyahoga	12	GRE	Greene	8	JAC	Jackson	9	MAR	Marion	6	OTT	Ottawa	2	SCI	Scioto	9	WAS	Washington	10
BRO	Brown	9	DAR	Darke	7	GUE	Guernsey	5	JEF	Jefferson	11	MED	Medina	3	PAU	Paulding	1	SEN	Seneca	2	WAY	Wayne	3
BUT	Butler	8	DEF	Defiance	1	HAM	Hamilton	8	KNO	Knox	5	MEG	Meigs	10	PER	Perry	5	SHE	Shelby	7	WIL	Williams	2
CAR	Carroll	11	DEL	Delaware	6	HAN	Hancock	1	LAK	Lake	12	MER	Mercer	7	PIC	Pickaway	6	STA	Stark	4	WOO	Wood	2
CHP	Champaign	7	ERI	Erie	3	HAR	Hardin	1	LAW	Lawrence	9	MIA	Miami	7	PIK	Pike	9	SUM	Summit	4	WYA	Wyandot	1

OHIO DEPARTMENT OF TRANSPORTATION

STORM WATER MANAGEMENT PLAN

OCTOBER 2017

REVISED APRIL 2024