

ALDOT

Stormwater Management Plan (SWMP)

Template Instructions

This template was created to assist ALDOT contractors in the creation of complete and uniform Stormwater Management Plans in accordance with ALDOT specification requirements. This template also assists ALDOT in the creation of complete and uniform Construction Best Management Practices Plans (CBMPP) in accordance with ADEM regulations. This SWMP will become a part of the project CBMPP and is a requirement of the contract. Upon request, the project CBMPP, complete through the design component, will be provided electronically to bidders prior to letting and to contractors after letting. This SWMP shall be completed by the Contractor prior to the preconstruction conference and submitted to the Area Stormwater Coordinator (or the County Engineer for County projects).

When completed, this document shall contain information specific to the project shown on the title page. It shall be as accurate as possible and indicate how the water quality protection requirements of the contract documents will be met. Reference specification Sections 106, 107, 108, 201, 205, 206, 210, 250, 521, 524, 534, 650, 652, 654, 656, 659, 665, 666, 668, 669, 672, 810, 814, and 860 while creating the plan.

All form fields <blue boxes> in the template require action. The action may be checking a box, typing of information, or deleting pre-entered text that is not applicable. Tab to progress through the form fields or click inside a form field for editing.

Section IX. lists all required environmental submittals. This section requests the Contractor indicate if those required submittals are attached or, if they are not available at the time of initial SWMP submission, will be forwarded at a later date.

Section X. is included for ALDOT use to indicate SWMP acceptance with or without conditions/exceptions. It will become a part of the accepted plan after ALDOT review. Copies of the accepted SWMP will be returned to the Contractor and provided to project personnel for inclusion in the CBMPP Section IV. Work shall not commence prior to the required Onsite Stormwater Meeting or prior to acceptance of the SWMP.

A completed SWMP is required for all projects regardless of type of work, funding, or regulatory permitting.

A current version of this template is required to be used to create the SWMP.

Submitted SWMPs will not be considered complete if this template has been modified.

Attach additional sheets as necessary.

Questions regarding the template may be directed to the Area Stormwater Coordinator or to the Construction Bureau at klingerr@dot.state.al.us.

STORMWATER MANAGEMENT PLAN

FOR ALDOT PROJECT NUMBER

CREATED FOR:

CREATED BY:

DATE CREATED:

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I. Introduction

The purpose of this plan is to ensure that construction environmental protection issues, including erosion, sediment and turbidity control, are realized and managed by both ALDOT and the Contractor at the earliest possible date. This plan will be used in conjunction with requirements set forth in contract documents for this project and should be considered an implementation plan for these requirements.

In order to successfully control erosion, sediment, turbidity, and other pollutants, the nature of road and bridge construction requires that both the Contractor and ALDOT be flexible in the implementation of this plan and flexible in the implementation of Best Management Practices (BMPs). BMPs will be implemented at locations and during stages of construction when they will be effective and are applicable with concurrence of the Engineer. It is understood that the definition of Best Management Practices includes any action taken by the Contractor or by ALDOT to protect water quality and/or private property.

Certain operations as listed in the Contents may not be a part of this contract. This has been made clear under the appropriate section.

The creation and submission of this document is evidence that the Prime Contractor for the project has read the CBMPP document, is aware of specification requirements regarding water quality protection, and agrees to implement this SWMP and the CBMPP as a whole for the life of the project. It is understood that if the plan is found to be satisfactory, the plan will not be approved by the Engineer, but will be accepted as complete with or without exceptions.

CERTIFIED BY:

Printed Name:
Prime Contractor:

Date: _____

II. Contractor's Stormwater Inspection Personnel

The Qualified Credentialed Professional (QCP) chosen to represent our company for this project, if applicable, has and will maintain one of the professional certifications accepted by ADEM. The Qualified Credentialed Inspectors (QCIs) chosen to represent our company for this project have and will maintain a valid QCI certification. The QCP and/or QCIs have full authority, personnel, equipment, and other resources necessary to implement this plan and will fulfill the obligations and requirements of Subarticle 108.04. Obligations include independent daily inspections as well as accompanying ALDOT inspectors on required weekly and rainfall inspections and turbidity monitoring. Additionally, the QCP and/or the QCIs shall ensure that all needed corrective actions identified during inspections be completed prior to the next storm event but no later than 5 days after the inspection unless prevented by unsafe weather conditions or in accordance with an ALDOT approved remediation schedule. The name and credentials of these persons are listed below.

Contractor QCP
QCP Credentials
Company
Office Phone
Mobile Phone
SouthernLINC

Primary QCI
QCI Number
QCI Expiration
Office Phone
Mobile Phone
SouthernLINC

Secondary QCI
QCI Number
QCI Expiration
Office Phone
Mobile Phone
SouthernLINC

We request the use of a non-employee for one or more of the above listed persons based on the following:
non-employee explanation

III. Operations

The implementation of Best Management Practices for protecting water quality shall commence prior to any other work within each drainage area. Specifically, those BMPs shall include but are not limited to: perimeter barriers, stream protection, stabilized construction entrances, clean water diversions and sedimentation basins.

a. Clearing and Grubbing

Clearing and grubbing operations shall immediately precede any required excavation and embankment operations in accordance with Section 201.

This project does not require Clearing and Grubbing work.

Our Clearing and Grubbing operation shall be performed within the 17 acre limit of exposed erodible material in accordance with Subarticle 108.04(b).

Our Clearing and Grubbing operation shall be performed within the _____ acre limit of exposed erodible material as allowed in the Project Notes in accordance with Subarticle 108.04(b).

b. Removal and Relocation of Structures

Removal and relocation of structures shall be the demolition and disposal of the structure identified in the contract, and include the restoration of the area to a stable uniformly graded ground surface in accordance with Section 205.

This project does not require Removal and Relocation of Structures work.

Our Removal and Relocation of Structures operations shall be performed in accordance with the requirements set forth in Subarticle 205.03(b). *Our ADEM Form 496 and Structure Inspection Report will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

c. Excavation and Embankment

Excavation and Embankment work shall immediately follow any required clearing and grubbing operations and immediately precede permanent stabilization in accordance with Section 210.

This project does not require Excavation or Embankment work.

Our Excavation and Embankment operation shall be performed in accordance with the maximum vertical grading increments and time requirements for the establishment of permanent vegetation as specified in Subarticle 210.03(a).

d. Temporary Erosion, Sediment and Turbidity Control Crew & Equipment

Water quality protection is required and may be achieved through a combination of erosion, sediment, and turbidity controls. These temporary measures are utilized heavily during ongoing excavation and embankment operations. BMP installation and maintenance is a continuous process, requires daily inspection, and may require immediate action when unsatisfactory conditions exist.

Temporary erosion, sediment and turbidity control operations will be performed by our company.

Temporary erosion, sediment and turbidity control operations will be performed by our subcontractor(s):

The best way to effectively manage temporary BMPs is to dedicate a full-time crew and equipment to this task.

We will not have a dedicated Erosion and Sediment Control Crew.

We will have a dedicated Erosion and Sediment Control Crew on an as-needed basis.

We will have a full-time, dedicated Erosion and Sediment Control Crew.

Personnel and equipment dedicated to the installation and maintenance of BMPs on this project are:

e. Weather Preparedness and Recovery

Water quality is most susceptible to potential pollutants in stormwater runoff during precipitation events. It is imperative that advanced planning be made for such events. In addition to specification requirements, our project specific weather preparedness and recovery plan is as follows:

1. Unexpected Weather Preparations

2. Forecasted Weather Preparations

3. Severe Weather Preparations

4. Weather Recovery

f. Drainage

Facilitating the passage of water through the project by temporary or permanent means without diminishing its quality is required by specifications and is a recognized BMP for protecting water quality. The completion of drainage structures should be continuously pursued through backfill and permanent stabilization. This includes completion of inlet and outlet protection.

This project does not require drainage work.

Drainage work will be performed in accordance with contract requirements and in a manner that protects water quality to the maximum extent practicable.

This project contains Section 538 Roadway Pipe Rehabilitation. Our cured-in-place or PE pipe liner required information will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for review by the Environmental Construction Section of the ALDOT Construction Bureau.

g. Vegetation

Existing vegetation, designed vegetative buffers, and established permanent vegetation are some of the best erosion control BMPs available to ALDOT contractors. We shall manage operations to delay and minimize disturbance of existing vegetation and continuously pursue the re-establishment of permanent vegetation or other specified permanent stabilization of any area that must be disturbed. Any exposed erodible material not under active construction shall not remain without stabilization for more than 7 days. Where permanent stabilization cannot be established, temporary seeding and temporary mulch are available for erosion control.

Vegetation requirements will be met by our company.

Vegetation requirements will be met by the following subcontractor(s):

h. Bridge Construction & Painting

Due to near proximity to water, some bridge construction may pose a threat to water quality. Bridge work should be completed in a manner that promotes pursued continuous construction until foundation and substructure work no longer pose a threat to water quality.

This project does not require bridge construction.

Bridge work will be performed in accordance with contract requirements and in a manner that promotes pursued continuous construction to minimize the threat to water quality.

Concrete over-pours are required on this project and will be performed in a manner that protects water quality.

In accordance with Section 521, Bridge cleaning is required on this project in preparation of bridge painting. All cleaning waste (blast waste, mechanical cleaning waste, etc.) shall be handled as hazardous waste until appropriate testing (TCLP) has been conducted and a determination has been made to the contrary.

Our Bridge Surface Preparation Plan and applicable ADEM Form 8700-12 forms will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for review by the Environmental Construction Section of the ALDOT Construction Bureau.

i. Stormwater Management

It is important to plan ahead and think through the potential project specific challenges of stormwater management prior to beginning construction. Good management practices include separating clean stormwater from construction stormwater, diverting stormwater away from or strategically carrying it through active construction areas, and sequencing operations with stormwater protection in mind. Below is our sequence of operations as it relates to stormwater management. Additionally, we have noted any areas of special concern that will require extra attention.

IV. Temporary Encroachments into Streams, Water Bodies and Wetlands

A request for temporary encroachments into streams, water bodies and wetlands is required to be submitted to the Engineer for all temporary stream crossings, temporary water diversions as well as temporary work bridges and platforms. Required components of the request are listed in Article 107.23 of the specifications.

We will not require any encroachment into a stream, water body, or wetland for the construction of this project.

The following plan(s) have been completed in accordance with Article 107.23 and are specific to this project:

Our temporary encroachment plan(s) will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for review by the Environmental Construction Section of the ALDOT Construction Bureau.

One or more temporary stream crossings will be utilized for this project.

One or more temporary water diversions will be utilized for this project.

One or more temporary work bridges or platforms will be utilized for this project.

V. Onsite Potential Pollutants

In accordance with Article 107.22, Item 108.04(b)4., ADEM regulation 335-6-6.12(r), and EPA regulation Appendix A to 40 CFR part 112, a request for placing fuel tanks within ALDOT ROW along with an acceptable Spill Prevention Control and Counter Measures (SPCC) Plan is required to be submitted to the Engineer prior to placing any stationary fuel or chemical storage tank on ALDOT ROW. An example SPCC is provided on ALDOT's website. For further guidance, please visit EPA's website.

We will not require onsite fuel or chemical storage for this project.

We request onsite fuel and/or chemical storage. *An SPCC Plan specific for this project has been developed by a licensed professional engineer and will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for review by the Environmental Construction Section of the ALDOT Construction Bureau.*

Another potential source of pollution to stormwater is from the misuse or incorrect dosing applications of chemicals that are approved for use on ALDOT projects.

We will not utilize chemical treatments for this project.

The following type(s) of approved products/chemicals will be utilized on this project: *Product SDS sheets and manufacturer's dosing recommendations can be found on the ALDOT Approved Treatment Chemicals webpage and will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

List II-11 approved Section 659 Hydraulic Erosion Control products as an alternate to rolled erosion control products.

List II-20 approved Section 656 Hydraulic Mulch products as an alternate to conventional dry blown mulch.

List II-20 approved Section 656 Tackifier products as a means of stabilizing/anchoring conventional dry blown mulch.

List II-24 approved Section 672 Flocculant products as a means of reducing turbidity in construction stormwater.

One means of capturing potential pollutants is the use of Temporary Sedimentation Basins as noted in Section 665.

Temporary Sedimentation Basins were not part of the design for this project.

Temporary Sedimentation Basins will be utilized on this project. *Our list of materials proposed for construction of these basins will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

One means of reducing turbidity of construction stormwater is the use of Active Treatment Systems as noted in Section 672.

Active Treatment Systems were not part of the design for this project.

Active Treatment Systems will be utilized on this project. *Our active treatment design details, including a list of proposed materials, will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

All other onsite sources of potential pollution, including construction and worker debris, will be properly documented, stored, and/or disposed of according to the specifications and applicable laws and regulations. Pollutants associated with vehicle washing, wheel wash water, concrete washout, other wash waters, and dewatering operations shall be captured and treated prior to discharge per Article 107.22 of the specifications.

VI. Offsite Areas

All requirements of Section 106 including the submittal of the ADEM Notice of Intent must be met for all offsite material sources, waste areas, and staging areas where clearing or grading are required.

We will not require any offsite areas for securing, wasting, or staging material associated with this project.

We will require one or more offsite areas associated with this project. *Our ADEM Notice of Intent for each offsite area, as well as all other documents required in Article 106.01 of the specifications, will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

We will require one or more offsite areas associated with this project that are commercially owned and operated by a third party that is not an ALDOT contractor or subcontractor. *ADEM Permit Coverage for each commercial offsite area will be submitted as indicated in Section IX "Environmental Submittals" of this SWMP for your review.*

VII. Requested Modifications to the Contract Documents

We understand that specific BMPs have been included in the contract that ALDOT designers have determined to be necessary for stormwater management and the reduction of erosion and sediment transport. This contract was entered into with full knowledge of tools available for the protection of water quality. The contract may or may not be modified to meet our requests.

We do not request any modifications to the contract documents related to stormwater management at this time.

We request the following modifications to the contract documents related to stormwater management:

VIII. Onsite Stormwater Meeting

Prior to beginning work we will participate in an Onsite Stormwater Meeting as required by Subarticle 108.04(b). All subcontractors that have responsibility for stormwater management or may have an impact on stormwater quality will be invited and required to attend this meeting. We would like to schedule the meeting for the following location, date and time:

Location

Date

Time

IX. Environmental Submittals

There are no additional environmental submittals required for this project.
The following additional environmental submittals are required for this project:

Required	Attached	Will Follow	Submittal Type
			Article 205.03 Notice of Demolition and/or Asbestos Removal ADEM Form 496
			Structure Inspection Report from Alabama Accredited Asbestos Inspector
			Section 538 Pipe Rehabilitation Submittal
			Section 521 Bridge Surface Preparation Plan and applicable ADEM Form 8700-12
			Article 107.23 Temporary Encroachment Plan(s)
			Article 107.22 Spill Prevention Control and Countermeasure (SPCC) Plan
			Sections 656, 659, and 672 Treatment Chemical SDS Sheets and Dosing Recommendations
			Section 665 Temporary Sedimentation Basin List of Proposed Materials
			Section 672 Active Treatment System Submittal
			Article 106.01 Offsite Area Submittal - ADEM Permit Coverage
			Offsite Area - Historical/Archeological Report & Clearance from Alabama Historical Commission
			Offsite Area - Threatened/Endangered Species Clearance from U.S. Fish and Wildlife Service
			Offsite Area - Wetland Clearance from Professional Biologist or Environmental Scientist

Additional Attachments:

X. Engineer's Conditions of Acceptance

This Section is for the Engineer's use and will become a part of the SWMP when the SWMP is accepted as complete. Copies of the completed and accepted SWMP will be returned to the Contractor and to the Project Office for inclusion in the CBMPP Section IV. SWMPs for County Projects may or may not be reviewed by ALDOT Area personnel.

This Stormwater Management Plan has been reviewed and accepted with no conditions or exceptions.

This Stormwater Management Plan has been reviewed and accepted subject to the following conditions and/or exceptions:

ACCEPTED BY:

Printed Name: ALDOT Area Stormwater Coordinator

Date: _____

Printed Name: ALDOT Region/Area Construction Engineer

Date: _____

OR

ACCEPTED BY:

Printed Name: County Engineer

Date: _____