CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN

FOR ALDOT PROJECT NUMBER

project number

project location/description

county

stormwater permit sequence number

RESPONSIBLE OFFICIAL:

responsible official

ALDOT Region Engineer for Edward N. Austin, P.E., ALDOT Chief Engineer

CBMPP COMPILER:

CBMPP compiler

company, title

DESIGN QUALIFIED CREDENTIALED PROFESSIONAL:

CBMPP certifier

company, title

OPERATIONAL QUALIFIED CREDENTIALED PROFESSIONAL:

operational QCP

ALDOT Stormwater Coordinator

INDEX

CBMPP Explanation

This ALDOT Construction Best Management Practices Plan (CBMPP) is intended to satisfy the requirements of the Alabama Department of Environmental Management (ADEM) Administrative Code and the National Pollutant Discharge Elimination System (NPDES) Construction General Permit.

This CBMPP is also a means to gather and communicate environmental concerns, commitments, and contract requirements to ALDOT design and construction personnel as well as Contractors.

This document, all referenced or attached documents, and those posted on the Electronic CBMPP webpage together constitute the CBMPP for this project.

This CBMPP is provided to ALDOT Contractors prior to project letting.

The CBMPP is comprised of two main components; a Design Component and an Operational Component.

The Design Component is created and updated during the planning and design phase by ALDOT and/or consultant design personnel. The Design Qualified Credentialed Professional (QCP) certifies the Design Component of the CBMPP as having addressed all known environmental concerns, and that these concerns have been addressed in the project design.

The Operational Component is created and updated during the construction phase by ALDOT project personnel and contractor personnel. The Operational Qualified Credentialed Professional (QCP) certifies that the Design Component will be adhered to as closely as possible, and that the Operational Component will be created, updated, and adhered to during construction of the project.

This CBMPP is to be maintained at the Project Office during active construction on the project and retained with the project records after project completion. The CBMPP is to be made available to all project staff including all Contractors, ALDOT staff, and Regulators.

Design QCP Certification of Completion

I certify under penalty of law that the Design Component of this CBMPP and all attachments were compiled under my direction or supervision and are consistent with applicable ADEM Administrative Code and the National Pollutant Discharge Elimination System (NPDES) Construction General Permit. I further certify that all known environmental concerns and commitments, as noted in Section II., were considered and addressed during the creation of the Design Component of this CBMPP and the design reflected in the project plans. This CBMPP and any BMPs meets or exceeds the technical standards and guidelines of The Alabama Handbook and current industry standards. The Design Component of this CBMPP as 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.

_____ **Date:**_____

CBMPP certifier

company, title

project number

county

Operational QCP Certification of Receipt and Responsibility

I certify under penalty of law that the Design Component of this CBMPP and all attachments will be adhered to in a manner consistent with applicable ADEM Administrative Code and the National Pollutant Discharge Elimination System (NPDES) Construction General Permit. I further certify that modifications and additions to the Operational Component of this CBMPP will be made under my direction or supervision and that the Operational Component of this CBMPP will be, 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.

_____ **Date:**_____

operational QCP

ALDOT Stormwater Coordinator

project number

county

ALDOT Contact Information

RESPONSIBLE OFFICIAL:

responsible official
ALDOT Region Engineer for Edward N. Austin, P.E., ALDOT Chief Engineer
street address
city, state zip
Phone <business phone>
Fax <business fax>
email

DESIGN QUALIFIED CREDENTIALED PROFESSIONAL:

CBMPP certifier
company, title
street address
city, state zip
Phone <business phone>
Fax <business fax>
email

OPERATIONAL QUALIFIED CREDENTIALED PROFESSIONAL:

operational QCP
ALDOT Stormwater Coordinator
street address
city, state zip
Phone <business phone>
Fax <business fax>
email

I.a. ADEM NPDES Notice of Intent

INSERT SOILS MAP

(USDA NRCS Web Soil Survey 3-page Printable Version Available on the Soil Map Tab)

I.c. Hydraulics/Hydrology

Pre/Post Development Flow Statement (select all applicable statements):

☒ There will be no significant difference in pre- and post- development peak flows.

☒ There will be no significant difference in pre- and post- development hydraulic velocities.

☒ There will be no significant difference in pre- and post- development runoff volume.

Hydraulic Analysis (select one):

☒ A hydraulic analysis was conducted for this project using
Calculations are available upon request.

☐ Hydraulic calculations were not performed due to

Anticipated Rainfall Conditions

The following information was obtained from (select all that apply):

☒ NOAA's National Weather Service Hydrometeorological Design Studies Center
Precipitation Frequency Data Server (NOAA Atlas 14)

☐ USDA's National Resources Conservation Service eFOTG
Alabama Supplements to the National Engineering Field Handbook – Chapter 2

☐ Other

Minimum Design Storm for Temporary BMPs = 2-year frequency, 24-hour duration = **inches**

Other 2-year Frequency Events (inches)											
	30 min	1 hr	2 hr	3 hr	6 hr	12 hr	2 day	4 day	7 day	10 day	

Average Monthly Precipitation (inches)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Other Hydraulics/Hydrology Notes

Not Applicable

II.a. Environmental Concerns

Environmental Review

☐ The location of this project has not been reviewed in accordance with FHWA's required NEPA procedures or State Environmental procedures.

Explanation

☐ The location of this project has been reviewed in accordance with FHWA's required NEPA procedures or State Environmental procedures. (select one of the following:)

- ☐ Categorical Exclusion
- ☐ Programmatic Exclusion
- ☐ Finding of No Significant Impact
- ☐ Environmental Impact Statement
- ☐ State Environmental Document

☒ The area reviewed for environmental concerns includes the limits of all work areas anticipated to be impacted by the project.

Environmental Concerns Found (select all that apply):

☐ Priority Construction Site (select one of the following Discharge conditions):
- ☐ 303(d) Listed – Impaired by Turbidity, Siltation, or Sedimentation
- ☐ TMDL Finalized/Approved – Impaired by Turbidity, Siltation, or Sedimentation
- ☐ Outstanding Alabama Water Use Classification
- ☐ Outstanding Natural Resource Water Use Classification
- ☐ Tresured Alabama Lake Use Classification
- ☐ Other

☐ Jurisdictional/Navigable Waters of the State including Wetlands

☐ Groundwater Well

☐ Threatened/Endangered Species and/or Habitat

☐ Historical/Archaeological Site

☐ Hazardous Materials Location (Paint, Asbestos, Underground Storage Tank, other)

☐ Proximity to Existing Municipal or Public Water Intake (½ Mile Upstream or ¼ Mile Downstream)

Potential Pollutants (select all that apply):

☒ This project will expose erodible material and thus create a potential source of sediment.

☒ Fuels, oils, and other chemicals associated with motorized equipment and vehicles may be present.

☒ Construction and worker debris may be present.

See Section III. of this document for additional information regarding pollution prevention requirements.

Other Environmental Concerns or Design Considerations

Not Applicable

II.b. Environmental Commitments

Documentation follows addressing all Environmental Commitments noted below.
ADEM NPDES Construction General Permit NOI and Receipt Letter are located in Section I. of this document.

Permits, Agreements, Clearances, Easements (note applicability for each)

Yes	No	Commitment Type	Identification No.	Applied (Date)	Received (Date)	Expires (Date)
☒	☐	NPDES MS4 Permit	-			
☒	☐	USACOE 404 Individual Permit	-			
☐	☒	USACOE 404 Nationwide Permit				
		Corps Notification - ☐ Required ☒ Not Required				
☐	☒	EPA				
☐	☒	FEMA				
☐	☒	TVA				
☐	☒	U. S. Coast Guard				
☒	☐	U. S. Fish & Wildlife / Endangered Species				
☒	☐	Historical/Archaeological Clearance				
☒	☐	Hazardous Materials Clearance				
☐	☒	FERC Approval				

Soil Exposure

This project has 0 acres of ADEM NPDES permitted disturbance.

The project maximum area of exposed erodible material at one time is limited to 17 acres, or the permitted disturbance acreage, whichever is less.

Turbidity Monitoring and Construction Stormwater Sampling

- ☒ Not Required
- ☐ Required for ALL drainage areas at the associated Primary Stormwater Discharge and Background Points
- ☐ Required for SELECT drainage areas at the associated Primary Stormwater Disharge and Background Points

  Selected sites: List sites

Other Environmental Commitments, Obligations, or Expectations

Not Applicable

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INSERT SUPPORTING ENVIRONEMNTAL DOCUMENTS IN APPENDIX SECTION II

8.5"x11" Preferred
11"x17" Maximum

III.a. Project Specific Best Management Practices

Provide a narrative describing the project and all BMPs included to meet the permit requirements. The narrative should reference the erosion and sediment control plan sheets and any environmentally relevant project details, notes, or special provisions. It may be beneficial to provide sheet numbers when referencing the plan set. In addition to the project specific items, referencing applicable sections from the resources supplied in Section II.b may also be helpful.

The narrative should be concise and address the following items, if applicable:

- Project description/overview (scope of work)
- Sequence of construction
  - Phasing
  - Diversions
  - Disturbed Acreage Limitations
- Priority waters impacted
  - Priority Water
  - 303(d) Pollutants of Concern
  - TMDL Reduction Rates
  - Designer Reduction Goals
- BMPs included to minimize erosion and sediment loss during construction
  - Ditch Checks
  - Perimeter Controls
  - Inlet protection
  - Slope protection
  - Sediment Basins
  - Stabilized Construction Entrances
  - Soil Stabilization
- Additional BMPs provided in priority areas
  - Flocculants - list applications and reference Section III.b. Note Individual SDS sheets will be included in the Contractors SWMP provided in Section IV.

All BMPs shall be installed as detailed in the 2026 ALDOT Special and Standard Drawings. All BMPs shall be implemented and maintained in accordance with the “2022 Alabama Handbook for Erosion, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas".

Concrete washout, lay down, and maintenance areas will be determined by the contractor prior to construction and added to the field CBMPP (For additional information regarding Concrete Washout areas, see ALDOT Standard Specifications for Highway Construction, Section 107.22).

Offsite sediment will be removed as needed by the Contractor in accordance with ALDOT Construction Specifications (For additional information regarding Offsite Sediment Removal, see ALDOT Standard Specifications for Highway Construction, Section 665.03(c)).

Dust control will be implemented by the Contractor in accordance with ALDOT Construction Specifications (For additional information regarding Dust Control, see ALDOT Standard Specifications for Highway Construction, Section 665.03(a)(6)).

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INSERT TMDL CALCULATION SHEET(S) HERE IF APPLICABLE

III.b. Standard Best Management Practices

ALDOT Standard Specifications and General Applications Special Provisions

Contract specification requirements regarding environmental protection during construction may be found in the ALDOT Standard Specifications for Highway Construction or in the contract document in the form of a special provision. Special provisions may be General Application Special Provisions approved for general use and incorporation into the standard specifications in the future or as Project Specific Special Provisions created specifically for the project at hand. Please reference the following applicable 2026 ALDOT Standard Specifications sections.

106.01(b)	Clearances and Acknowledgements for the Use of Offsite Areas
106.01(c)	Operation of Offsite Pits and Waste Areas
107.09	Construction in Wetlands and Over or Adjacent to Waters of the United States
107.12	Protection and Restoration of Property, Landscape and Utility Facilities
107.13	Woodland Protection, Conservation, Abatement of Water Pollution and Quarantine Regulations
107.14	Responsibility for Damage Claims
107.21	Stormwater Management
107.22	Environmental Protection and Spill Prevention
107.23	Temporary Construction Encroachment into Streams, Water Bodies and Wetlands
107.24	Permits for Pesticide Application.
108.04	Prosecution of Work
201.03	Clearing and Grubbing
205.03	Removal and Relocation of Structures
206.04	Disposal of Materials
210.03	Excavation and Embankment
250.03	Removal of Underground Storage Tanks and Contaminated Soil
521.04	Blast Cleaning, Mechanical Cleaning and Surface Roughness
521.05	Containment System for Removal of Coating from Existing Bridge
521.06	Collection and Disposal of Coating Material Waste from Existing Bridge
521.07	Surface Preparation Plan Submittal for the Removal of Existing Coatings
521.08	Final Cleaning of Blast Cleaned Surfaces
521.14	Worker Protection
524.03(a)2	Water Quality Protection
534	Cleaning Existing Drainage Structures
650	Topsoil
652	Ground Preparation, Vegetation Establishment and Mowing
654	Solid Sodding
656	Mulching for Vegetation Establishment
659	Rolled and Hydraulic Erosion Control Products
665	Temporary Soil Erosion and Sediment Control
666	Pest Control
668	Pre-Emergent Herbicide Treatment
669	Post-Emergent Herbicide Treatment
672	Stormwater Turbidity Control
810	Geotextiles
814	Riprap Materials
860.01	Seed
860.03	Mulching Material
860.05	Solid Sod
860.11	Rolled and Hydraulic Erosion Control Products

ALDOT Special Drawings

Contract requirements regarding environmental protection during construction may be found in the form of construction detail drawings in the plan set or in the applicable ALDOT Special and Standard Highway Drawings book. Detail drawings found in the plan set are referred to as Special Project Details and consist of details that are not included in the Special and Standard Drawings book. Please reference the following applicable 2026 ALDOT Special Drawings.

Drawing No.	Description	Index No.
ESC-100-1	Best Management Practice Reference Matrix	66501
ESC-100-2	Best Management Practice Reference Matrix	66502
ESC-200-1	Typical Temporary Erosion/Sediment Control Applications	66505
ESC-200-2	Details of Temporary Slope Drain, Berms, and Energy Dissipator	66506
ESC-200-3	Details of Sediment Barrier Applications	66507
ESC-200-4	Details of Silt Fence Installation	66508
ESC-200-5	Details of Sediment Retention Barrier	66509
ESC-300-1	Ditch Check Structures, Typical Applications and Details	66512
ESC-300-2	Details of Hay Bale Ditch Checks	66513
ESC-300-3	Details of Sandbag Ditch Check	66514
ESC-300-4	Details of Erosion Control Wattle Ditch Checks	66515
ESC-300-6	Details of Rock Ditch Checks	66517
ESC-300-7	Details of Rock Ditch Checks with Sump Excavation	66518
ESC-300-8	Details of Silt Fence Ditch Checks	66519
ESC-300-9	Details of Wattle Slope Interrupters	66520
ESC-400-1	Inlet Protection Typical Applications and Details	66522
ESC-400-2	Inlet Protection Details for Coarse Aggregate on Grades & Sags	66523
ESC-400-3	Inlet Protection Details of Wattles	66524
ESC-400-4	Inlet Protection Details of Silt Fence	66525
ESC-400-5	Inlet Protection Details of Sand Bags	66526
ESC-501	Floating Basin Boom	66529
ESC-502	Stabilized Construction Entrance	66532
ESC-503	Temporary Dewatering Structures	66535
ESC-504	Temporary Culvert Stream Crossing	66538
ESC-505	Temporary Stream Diversion	66541
ESC-506-1	Suspended Pipe Diversion (Downstream)	66544
ESC-506-2	Suspended Pipe Diversion (Upstream)	66545
ESC-507	Temporary Sedimentation Basin	66548
ESC-508	Flocculant Usage Guide	67201
ESC-509	Details of Rolled and Hydraulic Erosion Control Product Installation	65901

ALDOT Construction Manual - 600 SG-1 - Construction Stormwater and Environmental Management

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ALDOT Approved Treatment Chemicals

Contract requirements regarding flocculants and chemical stabilization during construction may be found in the form of contract pay items on the Quantities Sheets, and their usage locations are shown on the Erosion and Sediment Control Sheets in the plan set. Proper usage requirements are included in the applicable 2026 ALDOT Special and Standard Highway Drawings book and applicable 2026 ALDOT Specifications. These products may only be used if they have been reviewed and included on the applicable approved products lists of the ALDOT Materials, Sources, and Devices with Special Acceptance Requirements Manual, which is maintained on the ALDOT website. Safety Data Sheets and manufacturer's dosage instructions for these products are also maintained on the ALDOT website. Please visit the applicable ALDOT web-pages for the most current information. Specific products selected for use on a project and associated documentation is submitted as part of the Contractor's Stormwater Management Plan and included in the CBMPP after project award.

Flocculants

APS 700 Series	Applied Polymer Systems, Inc.
EnviroPam (Granular)	Innovative Turf Solutions
FLOC	Innovative Turf Solutions
HaloKlear (StormKlear) DBP-2100 & Gel Floc (System)	Dober Chemical Group
HydroLoc Floc (Flat)	Carolina Hydrologic, LLC.
HydroLoc H30 PAM (Anionic Linear Polyacrylamide)	Carolina Hydrologic, LLC.

Tackifiers

APS 700 Series Silt Stop Powder (Model No. 702)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 705)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 707)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 710)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 712)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 730)	Applied Polymer Systems, Inc.
APS 700 Series Silt Stop Powder (Model No. 740	Applied Polymer Systems, Inc.
EnviroPam (Granular)	Innovative Turf Solutions
FINN HydroStik	FINN Corporation
Resinator	Mormar, Inc.
Tacking Agent 3	Profile Products, LLC

Hydraulic Mulches

EcoFibre Plus Tackifier	Profile Products, LLC
HydroCover Wood Fiber with Tack	Profile Products, LLC
Profile Blend Hydraulic Mulch	Profile Products, LLC
Profile Wood with Tackifier Hydraulic Mulch	Profile Products, LLC

Hydraulic Erosion Control Products

Binder BFM	American Excelsior
EarthGuard Fiber Matrix	LSC Environmental Products, LLC.
EcoMatrix	Profile Products, LLC
Flexterra HP-FGM	Profile Products, LLC
HydroStraw Bonded Fiber Matrix	Profile Products , LLC
ProMatrix	Profile Products, LLC

Appendix Section I.

*** Insert ESC Legend and ESC Plans Sheets*

Appendix Section II.

*** Insert Environmental Supporting Documents*