

Stormwater Meeting Checklist

Project Number	
Meeting Location	
Date	

A Stormwater Meeting shall be held after the preconstruction conference and prior to the beginning of work. The meeting shall convene at the project site. ALDOT construction personnel, including the Area Stormwater Coordinator and/or the Project QCP, the Project Manager, the Project QCI, the Contractor QCP (if applicable), the Contractor QCI, the Contractor's superintendent, and any subcontractors who will be involved in clearing, earthwork, seeding, or erosion and sediment control operations shall attend. The NPDES Permit, if applicable the U.S. Army Corps of Engineers Permit and/or U.S. Fish and Wildlife Service Clearance, ESCP, the CBMPP, the SWMP, clearing limits, and sequence of construction shall be among the items discussed. Project discharge points, adjacent property, and water bodies should be observed and discussed during the meeting. Any existing stormwater problems or issues should also be discussed and documented. The Contractor shall notify all subcontractors of the meeting and require their attendance. ALDOT will notify all applicable regulatory agencies. The Stormwater Coordinator shall supply the Contractor with copies of all Permits and Clearances at the meeting.

The following information shall be reviewed, explained, and checked off by the Stormwater Coordinator. If items do not apply to the project, mark the item Not Applicable (NA).

Permits and Clearance

- ADEM NPDES Construction General Permit
- US Army Corps of Engineers
- US Fish and Wildlife Service
- Other

Environmental Project Notes

- Environmental Notes

The Stormwater Coordinator shall review the following Specifications from the *2022 Standard Specifications for Highway Construction* and Special Provisions

Specifications and Special Provisions

106.01(b)1 Offsite Areas – Required Regulatory Clearances

ADEM Construction Stormwater Discharge Permit

Historical and Archeological Clearance

US Fish and Wildlife Service Clearance

Biological Clearance

107.09 Additional Permit Clearance

Construction methods or work in the flood plain area varying from plan detail, specifications, and permits proposed strictly for the convenience of the Contractor will require additional permit clearance. Any additional clearance, permits, etc. shall be the sole responsibility of the Contractor.

107.09(c) Special Conditions

Should the required work be permitted under a US Army Corps of Engineers “Nationwide Permit” or “Individual Permit”, the Contractor shall abide by all the applicable requirements for each type of permit. Both types of permits are subject to the general requirements given in 33 CFR Part 330 “Nationwide Permit Program”.

107.12(a) Archeological Discovery

The Contractor shall notify the Engineer immediately upon discovery of artifacts or other articles of possible archeological value revealed by his operations and shall carefully preserve them and prevent disturbance of the site until the Engineer has had opportunity to arrange appropriate disposal.

107.13(a) Burning

Diligently undertake precautions for the prevention of and for suppressive action in the event of fire resulting from highway construction. This will require the Contractor to –

- 1. Comply with all State laws, rules and regulations for prevention and suppressive action for forest fires.
- 2. Prepare and submit to the Department a fire prevention and control plan. The fire prevention and control plan must be on file and in effect before work on the item of Clearing and Grubbing will be permitted.
- 3. Comply with the fire plan noted in Item 2 above. When a burn permit is required, the permit number shall be provided to the Engineer prior to performing the burning operation.

107.13(f) Waste and Disposal

Waste, loose soil or other materials removed from the roadway or channel changes shall not be deposited in live streams. Depositing material into the streams or stream channel where it would be washed away by high stream flows will not be permitted.

107.21(e)2 QCI Inspection

Formal inspections shall be made by the Contractor QCI and the Project QCI together.

107.21(e)4 Corrective Actions

Compliance Issue with the NPDES Permit shall be corrected by the Contractor prior to the next storm event but no later than 5 days after the inspection unless prevented by unsafe weather conditions.

107.22 Work Debris

All construction and worker debris (trash, garbage, discarded construction materials, etc.) shall be immediately removed and disposed of in an approved manner.

107.22 Concrete Washout

Concrete and other material washout pits shall be lined with geotextile filter fabric and have a perimeter barrier to prevent material transport by stormwater.

107.23 Temporary Work Bridge, Platforms, or Encroachment

A request for a temporary encroachment shall be submitted as an attachment to the Contractor's Stormwater Management Plan and forwarded to the State Construction Engineer for review and acceptance. All encroachments into streams, water bodies and wetlands shall be done in accordance with the requirements of regulatory permitting, approvals and conditions. Encroachments shall be done in a manner that will minimize the adverse effect on the quality of the water. Maintenance shall be performed as necessary to ensure water passage and to ensure that neither fill nor water is contaminated by equipment fluids or by loose materials falling from equipment.

108.04(b)1 Erosion and Sediment Control Shutdown

If the Contractor fails to comply with the requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit, the Erosion and Sediment Control Plan (ESCP), the Construction Best Management Practices Plan (CBMPP), the accepted Stormwater Management Plan (SWMP), other contract documents, or the directions of the Engineer, the Engineer may order the Contractor to discontinue all operations except work in managing erosion, sediment transport, turbidity, and construction stormwater discharge until the requirements are met.

108.04(b)10 Limit of Exposure of Erodible Material

No more than 17 acres {7.0 ha} of erodible material shall be exposed at any time unless otherwise indicated on the plans by a project note. If more than 17 acres of exposed erodible material is noted on the plans, the Contractor shall include as part of the SWMP, project specific details addressing management of the increased acreage. If noncompliant with permits or environmental related contract requirement, the increased acreage may be rescinded. All areas of exposed erodible material will be considered as contributing to the limit of exposure until final/permanent required stabilization is installed.

108.06 Removal of Personnel

Any person employed by the Contractor or by any Subcontractor who, in the opinion of the Engineer, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the Engineer, be removed forthwith by the Contractor or Subcontractor employing such person, and shall not again be employed in any portion of the work without the approval of the Engineer.

205.03(b) Removal of Structures

At least ten workdays prior to removal of any structure the contractor must file ADEM Form 496 with the appropriate regulatory authority as designated by the form instructions.

210.03(a) Permanent Stabilization

Exposed erodible cuts and fills shall be permanently stabilized in vertical increments not to exceed 20 feet as the work progresses. Final grading and permanent stabilization measures shall be initiated for cut slopes by the end of the next business day of meeting the limits of vertical grading increments or upon suspension or completion of grading operations in a given area. Final grading and permanent stabilizations of embankments shall be initiated by the end of the next business day of reaching subgrade.

210.07 Stockpiles

Stockpiles shall be located away from stormwater conveyance and outside areas having a potential to flood during a local 2-year, 24-hour storm event. Stockpiles shall have a sediment barrier installed along all downgradient areas.

210.07 Erosion Control

Temporary and permanent erosion control features shall be initiated by the end of the next business day, following the day when construction activities will temporarily cease for more than 7 days or permanently cease.

506.05(g) Drilled Shaft Slurry and Spoils Disposal

All slurry and contaminated spoils shall be captured and contained to the maximum extent practicable. All slurry and contaminated spoils shall be disposed offsite by the Contractor or as directed by the Engineer.

506.02(c) Slurry Component

Approved Minerals (Sodium Bentonite or Attapulgite)

Mixing Water

Sand

Additives

610.02 Tied Concrete Block Mat

All mats must be installed with the manufacturer's recommended underlayments/backings for site specific conditions. All mats and accompanying underlayments/backings shall have a minimum shear stress capacity of 10 pounds per square foot as tested per ASTM D6460. Prior to installation, the contractor shall submit documentation from the manufacturer, indicating the product meets the requirements for approval by the Engineer.

665.03(a)1b Temporary Stabilization Less Than 60 Days

At locations where final grading should be completed within 60 calendar days, all bare ground shall be stabilized with temporary mulching applied by either hydraulic or conventional methods at a rate of no less than 3.0 tons per acre. Temporary stabilization measures shall be initiated by the end of the next business day, following the day when construction activities will temporarily cease for more than 7 days.

665.03(a)1c Temporary Stabilization Greater Than 60 Days

At locations where final grading will not be completed within 60 calendar days, all bare ground shall be stabilized with temporary seeding and mulching. Temporary stabilization measures shall be initiated by the end of the next business day, following the day when construction activities will temporarily cease for more than 60 days.

665.03(b)8 Sediment Basins

Sedimentation basins shall be constructed prior to beginning grading operations in the contributing drainage area.

665.03(c) BMP Maintenance

All BMPs which capture sediment shall be cleaned by the removal and disposal of sediment when the holding capacity reaches one third full and when necessary for the BMP to remain functional.

665.03(c) Offsite-tracking

Any offsite-tracking of sediment onto public roadways shall be removed by the end of the same business day and construction entrances shall be stabilized as needed.

* Environmental Chain of Command: Any issues regarding environmental regulation and/or commitments during the construction phase shall follow the chain of command from the Contractor; to the Area Stormwater Coordinator; to the Environmental Construction Engineer; and then directly to the regulatory agencies with prior consultation from the ALDOT subject matter experts. Response to these issues shall follow the reverse chain of command back to the Contractor to maintain continuity.

** Disclaimer: The specification and special provisions listed are abbreviations. For full specification and details see the *2022 Standard Specifications for Highway Construction* and Special Provisions.

***All Contractor personnel and ALDOT personnel in attendance shall sign this document acknowledging full understanding of the contract requirements, Environmental Commitments/Restriction and Permits. This document shall be housed in the CBMPP or SWMP, and a copy shall be scanned and sent to the Construction Bureau.

Signatures

Printed Name	Signature	Organization/Company

Signatures (Continued)

Printed Name	Signature	Organization/Company