REVISED JUNE 2012

ESPCP GENERAL NOTES:

The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to, or concurrent with, land disturbing activities.

Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

PLAN ALTERATIONS

The Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project based on common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161 of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. A major modification or deletion of structural BMP's with a hydraulic component requires a formal revision of the the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added per Special Provision 161 - Control of Soil Erosion and Sedimentation.

TEMPORARY MULCHING

EPD General Permit GAR 100002 states that "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - However, the Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or specifications may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizer, liming, and mulching for this project can be found in section 700 of the current edition of the Department's Standard Specifications (or special provisions) and other applicable contract documents, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted with the NOI. A copy of the construction schedule shall be maintained at the project site.

This project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP.

INITIAL BMP'S - CLEARING STAGE (INCLUDES GRUBBING)
SILT FENCE, CHECK DAMS, SILT GATES, ROCK FILTER DAMS, STONE FILTER BERMS AND CONSTRUCTION EXITS SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES TO INSURE PERIMETER CONTROL DURING STAGE CONSTRUCTION. DO NOT PROCEED TO NEXT STAGE UNTIL CURRENT STAGE IS STABILIZED.

INTERMEDIATE & FINAL BMP'S - STAGE 1
CONSTRUCT ALL WIDENING, INCLUDING SHOULDERS. CONSTRUCT ALL TEMPORARY PAVEMENT.

CHECK DAMS, PERMANENT SOIL REINFORCING MAT, RIP RAP, AND ROCK FILTER DAMS SHALL BE INSTALLED IN CONJUNCTION WITH CONSTRUCTION OF ALL CORRESPONDING ITEMS. SILT FENCE AND SILT GATES SHOULD BE ADJUSTED AS NEEDED. MAINTAIN STONE FILTER BERM. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OF THE PROJECT. MULCH AND TEMPORARY GRASSING SHALL BE ESTABLISHED AS SOON AS POSSIBLE. DO NOT PROCEED TO THE NEXT STAGE UNTIL CURRENT STAGE IS STABILIZED.

INTERMEDIATE & FINAL BMP'S - STAGE 2
CONSTRUCT THE CENTRAL ISLAND WITH TRUCK APRON. COMPLETE MILLING & REPLACE AND OVERLAY.

MAINTAIN CHECK DAMS, PERMANENT SOIL REINFORCING MAT, RIP RAP, ROCK FILTER DAMS, STONE FILTER BERM FROM THE PREVIOUS STAGE. DO NOT PROCEED TO NEXT STAGE UNTIL CURRENT STAGE IS STABILIZED.

INTERMEDIATE & FINAL BMP'S - STAGE 3
CONSTRUCT SPLITTER ISLANDS. REMOVE TEMP PAVEMENT AND INSTALL CURB & GUTTER AND SPILLWAYS.

MAINTAIN CHECK DAMS, PERMANENT SOIL REINFORCING MAT, RIP RAP, ROCK FILTER DAMS, STONE FILTER BERM FROM THE PREVIOUS STAGE. DO NOT PROCEED TO NEXT STAGE UNTIL CURRENT STAGE IS STABILIZED.

PETROLEUM STORAGE, SPILLS, AND LEAKS

The plans expressly delegate the responsibility of on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with this plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMP's needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

A project specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

The following is a summary of the soils that are expected to be found on the project site:

Appling sandy loam (AmB), Cecil sandy clay loam (CfB2), Helena loamy coarse sand (HeB), Madison sandy loam (MdB), Wedowee loamy sand (WeC).

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils in the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.nrcs.usda.gov/.

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

(As per Part IV D 3 b of GAR 100002, the designer shall include in this section "a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed." The following is only an example; the designer shall provide a project specific note in this section.

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent detention ponds, filter basins, vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats, rip-rap, and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.)

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J-Hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-Hooks shall be spaced in accordance with GDOT construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

SITE STABILIZATION AND BMP MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 710, and other contract documents for stabilization and maintenance measures.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

INSPECTIONS

By agreement with the Georgia EPD, the design professional who prepared the ESPCP, or a certified designee, is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation. Additionally, the Department's Construction Project Engineer will be responsible for seven-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

NONSTORMWATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, The Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of their pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit utilizing by a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

OTHER CONTROLS

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Specifications.

RETENTION OF RECORDS

In accordance with Part IV.F of the General Permit GAR100002, the Department will retain all records related to the implementation of this ESPCP for the duration of the project.

3/1/2007 GPLN

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES		
04/04/13		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

ESPCP GENERAL NOTES

SR47 @ SR223 INTERSECTION IMPROVEMENT

DRAWING NO. 51-001