REVISED OCTOBER 2013

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

PLAN ALTERATIONS

This Erosion,Sedimentation,and Pollution Control Plan (ESPCP) is provided by the Department.It addresses the staged construction of the project on the basis of 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 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 where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation as soon as practicable with a suitable material listed in Standard Specification (or Special Provision) Sections 163,700,or 711.However in special cases,the Project Engineer may require the contractor to perform stabilization more often than 14 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species,planting dates,seeding, fertilizing,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 after the project is awarded along with the NOI.A copy of the construction schedule shall be maintained at the project site.

The 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.To facilitate project logistics,the Contractor is also responsible for selecting the location(s) of the construction exit(s).

STAGE 1A

Work in this stage includes clearing and grubbing of the project area except buffer areas as shown on the plans including construction of pond/sediment basin #1.

A. INITIAL BMP's - Install the following BMP's prior to construction:
1. Install perimeter control silt fence as shown on the Stage 1A plans.
2. Install construction exits.
3. Install inlet sediment traps on existing drainage structures as shown on the plans.
4. Install silt control gates on existing drainage structures as shown on the plans.
5. Construct pond/sedment basin #1 and and all drainage structures as shown on the Stage 1A plans to maintain positive drainage. Install retrofit structure at pond/sediment basin #1. Stockpile material within limits shown on plans for construction of WB Ramp detour in Stage 1 and construct drainage structures within stockpile limits as shown on plans to maintain positive drainage.
6. Stabilize disturbed areas with mulch and/or temporary grassing as required.

B. INTERMEDIATE BMP's - N/A

C. FINAL BMP's - N/A

STAGE 1

Work in this stage includes construction of temporary pavement for WB Ramp detour within limits of stockpile from Stage 1A. Remaining stormwater ponds shall be constructed and functioning prior to any other construction excluding that in the NW quadrant of the proposed interchange. Construction of temporary pavement for King George Boulevard detour. Construction of overlay and widening of portions of SR 204,portions of WB OFF Ramp NB, EB ON Ramp and EB Off Ramp including drainage, slopes and ditches are also worked on in this stage.

A. INITIAL BMP's - N/A

B. INTERMEDIATE BMP's - While earthwork is progressing do the following:
1. Install additional silt fence.
2. Construct stormwater ponds 3, 4, and 5. Install temporary primary spillway structures at outlets of Ponds 3, 4, and 5. Stormwater ponds must be in place and functioning prior to any other construction excluding that in the NW quadrant of the proposed interchange.
3. Construct ditches and install ditch protection and check dams before constructing fill.
4. Construct and maintain temporary berms and down drain structures on fill slopes and maintain positive drainage to slope drains as embankments are being constructed.
5. Install silt control gates on newly constructed structures.
6. Install inlet sediment traps on newly constructed structures.
7. Stabilize disturbed areas with mulch and/or temporary grassing as required.

C. FINAL BMP's - As soon as final grade has been established in any area of the project:
1. Install slope blankets as shown within plans.
2. Install ditch linings as shown within plans.
3. Install rip rap aprons as shown within plans.
4. Install permanent grassing.

STAGE 2

Work in this stage includes construction of a portion of King George Boulevard including curb and gutter, drainage, slopes and ditches.

A. INITIAL BMP's - N/A

B. INTERMEDIATE BMP's - while earthwork is progressing do the following:
1. Install inlet sediment traps on newly constructed structures.
2. Stabilize disturbed areas with mulch and/or temporary grassing as required.

C. FINAL BMP's - As soon as final grade has been established in any area of the project:
1. Install slope blankets as shown within plans.
2. Install rip rap aprons as shown within plans.
3. Install permanent grassing.

STAGE 3

Work in this stage includes construction of a portion of SR 204 including the bridge over King George Boulevard and portions of WB OFF Ramp SB and EB OFF Ramp including drainage, slopes and ditches. Work also includes widening of King George Boulevard including removal of temporary paving, curb and gutter, drainage, slopes and ditches.

A. INITIAL BMP's - N/A

B. INTERMEDIATE BMP's - while earthwork is progressing do the following:
1. Install additional silt fence.
2. Construct ditches and install ditch protection and check dams before constructing fill.
3. Construct and maintain temporary berms and down drain structures on fill slopes and maintain positive drainage to slope drains as embankments are being constructed.
4. Install inlet sediment traps on newly constructed structures.
5. Stabilize disturbed areas with mulch and/or temporary grassing as required.

C. FINAL BMP's - As soon as final grade has been established in any area of the project:
1. Install slope blankets as shown within plans.
2. Install ditch linings as shown within plans.
3. Install rip rap aprons as shown within plans.
4. Install permanent grassing.

STAGE 4

Work in this stage includes removal of temporary overlay on SR 204, removal of temporary detour pavement and construction of WB ON Ramp, construction of a portion of eastbound SR 204, including a section of median barrier and inside shoulder and portions of WB OFF Ramp SB. Work includes construction of paving, drainage, slopes and ditches.

A. INITIAL BMP's - N/A

B. INTERMEDIATE BMP's - while earthwork is progressing do the following:
1. Install additional silt fence.
2. Construct and maintain temporary berms and down drain structures on fill slopes and maintain positive drainage to slope drains as embankments are being constructed.
3. Install inlet sediment traps on newly constructed structures.

C. FINAL BMP's - As soon as final grade has been established in any area of the project:
1. Install slope blankets as shown within plans.
2. Install permanent grassing as shown within plans.
3. Remove all temporary appurtenances as detailed in plans to convert Sediment Pond #4 to permanent pond. Remove and dispose of the remaining sediment and stabilize per GDOT Standard Specification 163.

STAGE 5

Work in this stage includes removal of remaining temporary detour pavement and construction of a portion of the WB On Ramp and construction of ramp connections and raised medians on King George Boulevard.

A. INITIAL BMP's - N/A

B. INTERMEDIATE BMP's - N/A

C. FINAL BMP's - As soon as final grade has been established in any area of the project:
1. Install slope blankets as shown within plans.
2. Install permanent grassing.
3. Remove retrofits and all other temporary appurtenances as detailed in plans to convert Sediment Ponds #1,3,& 5 to permanent ponds. Remove and dispose of the remaining sediment and stabilize per GDOT Standard Specification 163.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper 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 the action 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 BMPs 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.

POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

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 consist of permanent detention ponds,vegetation,permanent slope drains and flumes,riprap at pipe outlets for velocity dissipation and outlet stabilization,vegetated swales/ditches where practical,channel/ditch stabilization with turf reinforcing mats,riprap and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent abnormal 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 at 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.