VOID

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 sediment 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 stage 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 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,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.

DESCRIPTION OF THE NATURE OF CONSTRUCTION ACTIVITY

Proposed construction activities associated with the Ga 400 Toll Plaza Demolition & GP Lane Conversion project consist of removing the existing toll booths,canopies,overhead signs,guardrail,excess pavement and repaving & striping three general purpose lanes.

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.

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 1 milling,grinding and re-striping existing pavement to shift three of lanes traffic through the express toll area. No BMP's are required during this stage.

Stage 2 consist of shifting traffic through the inside lanes removing the existing canopies,toll booths and paving for the temporary detours. No BMP'S are required during this stage.

Stage 3 consist of shifting traffic to the repaved detour removing the reminding canopies on the inside lanes and begin paving for the three permanent general purpose lanes.No BMP'S are required during stage.

Stage 4 consist of shifting traffic to the newly paved general purpose lanes. Initial BMP installation shall consist of placement of Type C silt fence,sediment barrier and construction exits. The excess pavement will be removed to the Grade Aggr.Base course and final BMP installation shall consist of sodding and permanent grassing.

PETROLEUM STORAGE,SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite.The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture and disposal of any petroleum product leaks or spills associated with the servicing,refueling or operation of any equipment utilized in the work.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 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

The following is a summary of the soils that are expected to be found on the project site: 100% - Ub.

Due to the size and scope of this project and the nature of soil series maps,it is reasonably possible to identify the precise locations of the above reference soils on the plans.The NRCS soil survey and soil series maps for the project area are also available online at http://websoilsurvey.nrcs.usda.gov/.

POST-CONSTRUCTION & TEMPORARY BMP'S

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 grassing.The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

All temporary BMP's are shown in the ESPCP plan.The temporary BMP's for this project consist of temporary grassing,mulching and type C silt fence at the toe of fill slopes to reduce silt from storm water discharges.See Special Provision 700 subsection C for temporary grassing requirement.

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 storm water 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 up gradient 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 Special Provision 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 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 inspections shall be documented on the appropriate Department inspection forms.See 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.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A2 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 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 Standard Specifications.

DISCHARGES INTO,OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS,ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are located within 1 linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for criteria violated,"Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macro Invertebrate Community), within Category 4a,4b or 5,and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

DESIGN PROFESSIONAL'S 7-DAY INITIAL INSPECTION

The contractor / primary permittee must notify the design professional upon start of land disturbing activities to schedule the seven (7) day inspection of initial sediment storage requirements and perimeter control BMP's.The design professional shall report the results of the inspection to the primary permittee within seven (7) days of the inspection.The permittee must correct all noted deficiences within two (2) business days of receipt of the inspection report.

SEDIMENT STORAGE

The site has a total disturbed area of 6.33 acres. The following table summarizes the required and available sediment storage for every outfall on this project.The Contractor shall provide and maintain the storage volumes for the BMPs specified in this table.

					Sediment Basins		Check Dams		Inlet Sediment Traps		Silt Fence	
Outfall ID/Sta	Total Drainage Area (Acres)	Disturbed Area (Acres)	Required Sediment Storage Volume (cu yd)	Total Storage Volume provided (cu yd)	Pond #	Total Vol.	# of Devices	Total Volume	# of Devices	Total Volume	Length of Fence	Total Volume
NB 324+00 TO 347+53 RT	9.23	3.09	618.41	827							2381	827
SB 124+00 TO 137+76 LT	5.01	1.59	335.67	474							1365	474
SB 137+76 TO 149+07 LT	4.75	1.56	318.25	396							1140	396
SB 149+07 TO 152+05 LT	1.61	0.09	107.87	171							740	171
TOTAL FLOW	20.6	6.33	1380.2	1868			0	0	0	0	5626	1868

ATKINS

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 25451 SCOTT M. DUBORD

GSWCC LEVEL II Certification #0000007807

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:

ESPC GENERAL NOTES

GA 400 TOLL PLAZA
DEMOLITION & GP LANE CONVERSION

DRAWING No. 51-001