

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs:
 No alternative or additional BMPs will be used on this project.

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 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)

24 Hour Contact:

Name

Phone Number

Contractor shall complete the information in this box.

STREAM BUFFER ENCROACHMENT

Stream Buffers are impacted by this project. The contractor is not authorized to enter into stream buffers,except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	End Sta (Lt or Rt)			
Stream #1	SR 36	36+06	37+82	Warm	Yes	Exempt
Stream #1	SR 36 Detour	15+77	17+54	Warm	Yes	Exempt

Stream buffer will be impacted by construction,removal of detour bridge bents,and demo and construction of proposed bridge bents. Access to the stream will be required and no orange barrier fence can be practically used. There are 2 intermediate bents located within the stream buffer and within the stream banks. The bridge abutments are also located within the stream buffer.

* Warm water streams have a 25-foot minimum buffer as measured from the wretched vegetation. Cold Water streams have a 50-foot buffer as measured from the wretched vegetation.
 ** Locations are approximate,a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

MONITORING SAMPLING METHODS & PROCEDURES

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and Procedures.

READY MIX CHUTE WASH-DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public,only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers,at least 25 feet from any storm drain and outside of the travelled way,including shoulders,for a wash-down pit.The pit shall be large enough to store all wash-down water without overtopping.Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in,and the ground above it shall be graded to match the elevation of the surrounding areas.Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following:(1) a location away from any storm drain,stream,or river,(2) access to the vehicle being used for wash-down,(3) sufficient volume for wash-down water,and (4) permission to use the area for wash-down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

LD ACTIVITIES NOT INCLUDED IN THESE PLANS

These plans do not account for land disturbance activities performed by the contractor associated with on-site soil stockpiles,a lay-down yard or staging areas,job site trailers and personal or equipment parking. Off-site borrow or stock pile sites are not included in these plans and require separate NPDES plans and permits.

SEDIMENT STORAGE

The site has a total disturbed area of 3.5 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 BMP's specified in this table

Stage	Outfall	Acres	Storage Req'd	Cd-Hb used	Cd-F used	Cd-S used	Storage Provided
1	detour ditch Rt,west bank	0.5	33.5	0	12	1	59.1
1	detour ditch Lt,west bank	0.3	20.1	0	8	1	39.9
1	detour ditch Lt,east bank	0.4	26.8	0	9	1	44.7
2	mainline ditch Lt,west bank	0.3	20.1	4	0	0	34.6
2	mainline ditch Lt,east bank	0.2	13.4	0	6	0	28.8
3	mainline ditch Rt,west bank	0.8	53.6	0	12	0	57.6

MONITORING GENERAL NOTES:

The total site size is 3.5 acres.Representative sampling may be utilized on this project.The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics,watershed size,land disturbance and earthwork. After evaluation of these items as presented in the projects drainage area maps,hydrology and hydraulic studies,construction plans and erosion sedimentation and pollution control plans,it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitored feature are identified in the table below.

Monitoring Site	Primary or Alternate site	Location (Sta.and side)	Name of Receiving water.	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (For the receiving water)	Disturbed Area	Warm or Cold water Stream	Appendix B NTU value (Outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
Upstream	Primary	37+63 LT	Towaliga R.	All	Receiving	148 sq mi	3.5 acres	Warm	N/A	N/A	53' LT
Downstream	Primary	37+86 RT	Towaliga R.	All	Receiving	148 sq mi	3.5 acres	Warm	N/A	25	113' RT

The primary monitored feature specified should be used as the initial sampling location.The alternate monitored feature may be used if additional sampling is required and/or if the primary monitored feature is no longer located within the active phase of construction.

Environmental Resource Impact Table

Resource Name/Type	Location		Side	Construction Activity	Permitted Activity	Controlling Criteria	Special Provision?	Comments including any permit expiration dates
	Beginning STA	Ending STA						
Stream 1 Buffer	36+06	37+82	Both	Demo/Construct detour bridge, demo old bridge, construct new bridge	Activities within 100ft of the proposed bridge are exempt	Memo from EPD date 6/8/06 re: Buffer variance issues	None	Roadway drainage exemption -work beyond 100ft of the proposed bridge and detour bridge will require a buffer variance or written permission from EPD prior to commencement of the activity.
Wetland 2	37+56	40+50	Right	Shoulder embankment and rip-rap placement	0.53 acre of impact (0.31 permanent and 0.22 temporary)	Section 404 of the CWA - NW P-23 Area disturbed by temporary access with the wetland shall be replanted in accordance with the permit specifications.	None	Impacts are permitted to the Right-of-Way. Perm it expires June 30, 2011.
Migratory Birds	29+90	44+25	Both	Demo lition of old bridge and construction of new bridge	Refer to Special Provision 107.23g	Migratory Bird Treaty Act	107.23g	The Office of Environmental Services shall be contacted prior to installation of exclusionary devices. Contractor shall direct questions to the Engineer, and the Engineer shall contact Environmental Services if necessary for resolution.



SIX CONCOURSE PARKWAY, SUITE 1000, ATLANTA, GA 30328
 PHONE 770.857.8400 FAX 770.857.8401

REVISION DATES

3/29/11			

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE : CONSULTANT DESIGN

ESPC GENERAL NOTES

SR 36 BRIDGE OVER
 TOWALIGA RIVER

DRAWING No.
 51-02