

MONITORING GENERAL NOTES:

The total site size is 37 acres. Representative sampling may be utilized on this project. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and ESPCP, the Department has determined that representative sampling is valid for the duration of the project. The table below shows the groups of similar outfall drainage basins. The increase in turbidity at the specified locations will be representative of the alternative outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored features are identified in the table below.

VOID

SAMPLING INFORMATION										OUTFALL CHARACTERISTICS					
PRIMARY MONITORED FEATURE	LOCATION (STA, OFFSET)	NAME OF RECEIVING WATER	APPLICABLE CONSTRUCTION STAGES	SAMPLING TYPE (OUTFALL OR RECEIVING WATER)	DRAINAGE AREA FOR RECEIVING WATER (SQ MI)	UPSTREAM DISTURBED AREA (AC)	WARM OR COLD WATER STREAM	APPENDIX B NTU VALUE (OUTFALL MONIT. ONLY)	ALLOWABLE NTU INCREASE (FOR RECEIVING WATER)	LOCATION DESCRIPTION	CONSTRUCTION ACTIVITY	DISTURBED AREA (AC)	AVERAGE OUTFALL SLOPE (RISE/RUN)	SOIL EROSION INDEX	ALTERNATE OUTFALL DRAINAGE BASINS
OUTFALL 1	STA 141+50 N. JEFFERSON, 75' RT	KINCHAFOONEE	1,2,3	OUTFALL	0.099	N/A	WARM	50	N/A	EXISTING ROADSIDE CHANNEL, JUST UPSTREAM OF EXISTING PIPE	WIDENING	3.07	0.01	8	N/A
OUTFALL 2	STA 142+00 N. JEFFERSON, 38' LT	KINCHAFOONEE	1,2,3	OUTFALL	0.099	N/A	WARM	50	N/A	STRUCTURE C-1	WIDENING	1.93	0.02	8	N/A
OUTFALL 3	STA 308+00 RAMP B, 120' RT	KINCHAFOONEE	1,2,3	OUTFALL	0.099	N/A	WARM	50	N/A	EXISTING CONCRETE CHANNEL, DOWNSTREAM OF ROCK FILTER DAM	NEW LOCATION - FILL	19.37	0.01	8	N/A
OUTFALL 4	STA 674+10 LIBERTY EXPRESSWAY, 160' LT	KINCHAFOONEE	1	OUTFALL	0.099	N/A	WARM	50	N/A	END OF PROPOSED ROADWAY DITCH AT REQD ROW	WIDENING	1.30	0.04	8	N/A
OUTFALL 5	STA 711+60 LIBERTY EXPRESSWAY, 130' RT	FLINT RIVER	1,2,3	OUTFALL	0.205	N/A	WARM	50	N/A	OUTFALL OF EXISTING CROSS DRAIN	WIDENING	3.79	0.05	8	N/A

The primary monitored features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer within an active phase of construction.

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 overflowing. 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".

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

ESPC GENERAL NOTES
N. JEFFERSON ST. @ LIBERTY EXPRESSWAY
DOUGHERTY COUNTY

DRAWING No.
51-03