

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.

See soil survey (page 5) for detailed information about soil settlement on Harmony Church Road and the I-75 Northbound off ramp.

STAGE 0 - The work in this stage consists of clearing and grubbing and installation of Initial BMPs.

- Initial BMP Installation**
1. Install construction exits.
 2. Install orange barrier fence.
 3. Install check dams in existing ditches prior to clearing and grubbing. Check dams are to remain in place until proposed ditches are graded and stabilized.
 4. Install silt control gates and Inlet sediment traps on existing drainage structures prior to clearing and grubbing.
 5. Install perimeter silt fences prior to or concurrent with clearing and grubbing activities and prior to any mass grading activities. Silt fences are to remain in place until construction is complete and all slopes have been stabilized.

STAGE 1 - The work in this stage consists of full depth replacement of I-75 shoulders, new ramp construction, overlay and widening of SR 156/Redbud Road, Enhanced dry swale, natural stream channel, leveling portions of Harmony Church Road, S. Moss Road, temporary pavement south of existing South Moss Road, and full depth construction of Conference Drive Extension.

- Initial BMP Installation**
1. Maintain BMP's from previous stage.
- Intermediate BMP Installation**
1. Grade ditches prior to any widening or new construction. Plant grass and install check dams as ditches are graded. Install silt fence on roadway side of ditches to filter runoff from the work area. Maintain ditch stability throughout project duration.
 2. Install silt fence on fill slopes prior to constructing new fills.
 3. Install earth berms and temporary pipe slope drains on high fills as shown.
 4. Install silt control gates while laying the pipe for the new drainage systems.
 5. Install Inlet sediment traps as new catch basins are built/placed.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.
 3. Install rip rap ditch lining in northbound off ramp ditch as ditch is graded.

STAGE 2 - The work in this stage consists of completing northbound ramps, constructing temporary staging pavement in median of I-75, construction of the middle section of I-75 bridge over SR 156/Redbud Road, overlay northbound I-75, full depth reconstruction of Newtown Church Road, Harmony Church Road and S. Moss Road.

- Initial BMP Installation**
1. Maintain BMP's from previous stages.
 2. Install construction exits.
- Intermediate BMP Installation**
1. Grade ditches prior to any new construction. Plant grass and install check dams as ditches are graded. Install silt fence on roadway side of ditches to filter runoff from the work area. Maintain ditch stability throughout project duration.
 2. Install silt fence on fill slopes prior to constructing new fills.
 3. Install earth berms and temporary pipe slope drains on high fills as shown.
 4. Install Inlet sediment traps as new catch basins are built/placed.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.

STAGE 3 - The work in this stage consists of full depth reconstruction on I-75 northbound and the construction of the northbound lanes of the I-75 bridge over SR 156/Redbud Road. Remove temporary staging pavement south of South Moss Road.

- Initial BMP Installation**
1. Maintain BMP's from previous stages.
- Intermediate BMP Installation**
1. Grade ditches prior to any new construction. Plant grass and install check dams as ditches are graded. Install silt fence on roadway side of ditches to filter runoff from the work area. Maintain ditch stability throughout project duration.
 2. Install earth berms and temporary pipe slope drains on high fills as shown.
 3. Install silt control gates while laying the pipe for the new drainage systems.
 4. Install Inlet sediment traps as new catch basins are built/placed.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.

STAGE 4 - The work in this stage consists of overlaying southbound I-75 and completing southbound ramps.

- Initial BMP Installation**
1. Maintain BMP's from previous stages.
 2. Install construction exit.
- Intermediate BMP Installation**
1. Grade ditches prior to any new construction. Plant grass and install check dams as ditches are graded. Install silt fence on roadway side of ditches to filter runoff from the work area. Maintain ditch stability throughout project duration.
 2. Install silt control gates while laying the pipe for the new drainage systems.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.

STAGE 5 - The work in this stage consists of full depth reconstruction on I-75 southbound and the construction of the southbound lanes of the I-75 bridge over SR 156/Redbud Road.

- Initial BMP Installation**
1. Maintain BMP's from previous stages.
- Intermediate BMP Installation**
1. Grade ditches prior to any new construction. Plant grass and install check dams as ditches are graded. Install silt fence on roadway side of ditches to filter runoff from the work area. Maintain ditch stability throughout project duration.
 2. Install earth berms and temporary pipe slope drains on high fills as shown.
 3. Install silt control gates while laying the pipe for the new drainage systems.
 4. Install Inlet sediment traps as new catch basins are built/placed.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.

STAGE 6 - The work in this stage consists of I-75 median shoulders and ditch construction, widening of SR 156/Redbud Road under the new bridge, and median installation on SR 156.

- Initial BMP Installation**
1. Maintain BMP's from previous stages.
- Intermediate BMP Installation**
1. Grade ditches prior to any new construction. Plant grass and install check dams as ditches are graded. Maintain ditch stability throughout project duration.
 2. Install Inlet sediment traps as new catch basins are built/placed.
- Final BMP Installation**
1. Once slopes are at final grade, install erosion control slope mats where necessary.
 2. Install rip rap at pipe outlets as pipes are installed.

STORM WATER PROTECTION CHART (RIP RAP CHART):

OUTFALL	ROAD NAME	STATION	OFFSET (FT)	PIPE DIAMETER (FT)	Q (CFS)	V (FPS)	dn (FT)	TAIL WATER CONDITION	D50 (FT)	RIP RAP	La (FT)	3Do (FT)	Do + La (FT)	DEPTH (FT)	AREA (SQ)
G3	SR 156	25+72	112' - RT	2.00	16.18	6.38	1.45	MINIMUM	0.55	Type 3	16.0	6.0	18.0	2.0	21.3
H4	SR 156	29+53	94' - RT	2.50	33.73	8.21	1.95	MINIMUM	0.60	Type 3	20.0	7.5	22.5	2.0	33.3
J6	SR 156	31+09	86' - RT	2.00	16.15	5.80	1.45	MINIMUM	0.55	Type 3	16.0	6.0	18.0	2.0	21.3
M4	SR 156	37+38	70' - RT	1.50	2.20	5.58	0.42	MINIMUM	0.20	Type 3	6.0	4.5	7.5	1.0	4.0
K9	SR 156	39+11	91' - LT	1.50	5.41	12.45	0.44	MINIMUM	0.75	Type 3	15.0	4.5	16.5	2.5	17.5
K13	SR 156	41+47	55' - LT	3.00	33.44	7.24	1.87	MINIMUM	0.60	Type 3	19.0	9.0	22.0	2.0	32.7
M2	SR 156	44+05	47' - RT	2.00	14.71	7.77	1.20	MINIMUM	0.50	Type 3	14.0	6.0	16.0	1.5	17.1
L2	SR 156	45+89	43' - RT	2.00	14.53	12.80	0.85	MINIMUM	0.70	Type 3	17.0	6.0	19.0	2.5	23.6
A3	SR156	412+55	85' - RT	1.25	8.75	7.13	1.15	MINIMUM	0.50	Type 3	14.0	3.8	15.3	1.5	14.8
AJ	I-75	420+00	101' - RT	3.00	28.77	8.27	1.48	MINIMUM	0.80	Type 3	20.0	9.0	23.0	2.5	35.6
B2	I-75	424+00	113' - RT	1.25	5.74	12.48	0.50	MINIMUM	0.75	Type 3	17.0	3.8	18.3	2.5	20.8
C3	I-75	430+09	174' - RT	1.25	7.67	14.32	0.56	MINIMUM	0.75	Type 3	17.0	3.8	18.3	2.5	20.8
D2	I-75	438+00	134' - RT	1.50	2.71	3.87	0.62	MINIMUM	0.20	Type 3	6.0	4.5	7.5	1.0	4.0
E2	I-75	457+16	135' - RT	1.50	2.46	4.01	0.57	MINIMUM	0.45	Type 3	13.0	4.5	14.5	1.5	13.7
B20	SB on ramp	36+45	31' - LT	3.50	58.02	8.30	2.39	MINIMUM	0.70	Type 3	23.0	10.5	26.5	2.5	47.3
R5	NB off ramp	28+47	21' - RT	5.00	131.00	12.74	1.70	MINIMUM	1.20	Type 1	23.0	15.0	28.0	4.0	74.1
F2	Conf. Dr Ext.	15+26	21' - RT	1.50	1.61	4.03	0.42	MINIMUM	0.20	Type 3	6.0	4.5	7.5	1.0	4.0
T2	Conf. Dr Ext.	17+72	45' - RT	1.50	7.84	5.05	1.08	MINIMUM	0.50	Type 3	14.0	4.5	15.5	1.5	15.6
P2	Conf. Dr Ext.	23+84	73' - LT	1.50	14.45	5.02	1.04	MINIMUM	0.20	Type 3	9.0	4.5	10.5	1.0	5.5
Q2	Harmony Church	21+78	64' - RT	5.50	200.00	X	66.00	MINIMUM	1.20	Type 1	35.0	16.5	40.5	4.0	110.8

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES	
07/01/2013	
11/08/2013	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

ESPC GENERAL NOTES

PROJECT 1M000-0075-03(189)
GORDON COUNTY

DRAWING No.
51-004

USE ON CONSTRUCTION