

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, and full depth construction of Conference Drive Extension, Harmony Church Road, and S. Moss Road.

- 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, and full depth reconstruction of Newtown Church 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.

- 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.

Roadway	Ditch Lining Details		Side	Drainage Area (ac)	Ditch Slope	Bottom Width (ft)	Back Slope (H:V)	Erosion Index	Manning's n	Velocity (ft/s)	Normal Depth Dn (ft)	Min. Required Lining Height Dp (ft)	Lining Type		
	Beginning Station	Ending Station													
SR156	41+50	43+50	LT	5.88	33.24	3.6%	4	4	2	4.2	0.02	7.70	0.7	1.2	PSRM
SR156	44+05	45+17	LT	4.27	14.64	0.6%	4	4	2	4.2	0.09	1.23	1.4	1.9	GRASS
SR156	45+90	48+00	LT	3.31	14.53	1.0%	4	4	2	4.2	0.08	15.3	1.2	1.7	GRASS
SR156	44+00	48+00	RT	0.53	1.92	0.8%	4	4	2	4.2	0.08	0.45	0.7	1.2	GRASS
I75 SW OF INTERCHANGE	414+30	420+00	LT	2.56	10.69	0.5%	4	4	2	0.5	0.00	0.98	1.4	1.9	GRASS
I75 SW OF INTERCHANGE	420+00	433+77	LT	7.41	28.78	5.0%	4	4	2	1.8	0.06	4.11	1.0	1.5	GRASS
I75 SW OF INTERCHANGE	433+77	437+33	LT	0.56	2.48	2.0%	4	4	2	3.9	0.05	0.80	0.5	1.0	GRASS
I75 NE OF INTERCHANGE	449+57	457+22	RT	3.07	5.46	1.4%	4	4	2	0.3	0.11	1.09	0.8	1.3	GRASS
I75 NE OF INTERCHANGE	457+22	467+29	RT	3.19	16.04	1.4%	4	4	2	0.3	0.08	1.85	1.2	1.7	GRASS
SB ON RAMP GORE	29+00	35+47	RT	2.93	13.48	2.2%	4	4	2	3.9	0.08	2.07	0.9	1.4	GRASS
SB ON RAMP GORE	36+52	37+00	RT	4.57	16.11	0.5%	4	4	2	3.9	0.09	1.19	1.6	2.1	GRASS
NB OFF RAMP	28+57	29+80	RT	4.63	16.12	8.9%	4	2	2	2.9	0.03	8.36	0.4	0.9	RIPRAP
NB OFF RAMP GORE	18+90	27+71	LT	2.10	8.41	2.7%	4	4	2	2.9	0.09	1.78	0.8	1.3	GRASS
NB OFF RAMP GORE	27+71	28+00	LT	3.43	18.12	2.7%	4	4	2	2.9	0.07	2.57	1.0	1.5	GRASS
NB OFF RAMP GORE	18+90	30+00	LT	3.86	33.68	0.5%	4	4	2	2.9	0.07	1.64	2.0	2.5	GRASS
SB OFF RAMP	10+84	18+50	LT	4.85	19.44	0.8%	4	4	2	0.3	0.08	1.59	1.5	2.0	GRASS
SB OFF RAMP	21+00	21+51	LT	0.42	1.32	2.0%	4	4	2	0.3	0.01	0.00	0.0	0.0	GRASS
SB OFF RAMP	25+00	27+51	LT	0.62	3.96	1.2%	4	4	2	0.3	0.03	0.85	0.7	1.2	GRASS
SB OFF RAMP GORE	11+25	22+00	RT	3.90	18.61	0.5%	4	4	2	0.3	0.08	1.27	1.6	2.1	GRASS
NB ON RAMP	11+37	14+06	RT	0.45	2.37	3.7%	4	4	2	2.0	0.14	1.00	0.4	0.9	GRASS
NB ON RAMP GORE	11+34	19+51	LT	3.14	19.25	1.9%	4	4	2	1.1	0.07	2.29	1.1	1.6	GRASS
CONFERENCE DRIVE EXT	11+30	13+07	RT	0.63	4.30	3.1%	2	4	2	0.3	0.10	1.48	0.7	1.2	GRASS
CONFERENCE DRIVE EXT	13+41	14+88	RT	0.34	1.62	0.6%	2	4	2	0.7	0.19	0.40	0.9	1.4	GRASS
CONFERENCE DRIVE EXT	15+27	17+60	RT	0.84	4.01	2.0%	2	4	2	0.7	0.11	1.17	0.8	1.3	GRASS
CONFERENCE DRIVE EXT	19+82	23+74	RT	0.68	2.49	4.5%	2	4	2	0.3	0.12	1.29	0.5	1.0	GRASS
CONFERENCE DRIVE EXT	18+00	23+71	LT	0.33	1.41	5.0%	2	4	2	0.3	0.15	0.97	0.4	0.9	GRASS
HARMONY CHURCH ROAD	24+86	26+80	LT	0.27	0.81	0.5%	2	4	2	0.3	0.03	0.00	0.0	0.0	GRASS
SOUTH MOSS DRIVE	11+40	13+29	RT	1.45	4.33	1.0%	2	4	2	0.3	0.12	0.89	1.0	1.5	GRASS
SOUTH MOSS DRIVE	12+60	13+28	LT	0.31	1.29	4.3%	2	4	2	0.3	0.16	0.86	0.4	0.9	GRASS

9/15/2007 GPLN

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: ROADWAY DESIGN
	ESPC GENERAL NOTES
	PROJECT 1M000-0075-03(189) GORDON COUNTY
	DRAWING No. 51-004