ENVIRONMENTAL RESOURCES IMPACT TABLE

Resource Name/Type	Location on I-20 EB CL Beginning STA	Ending STA	Side	Construction Activity	Permitted Activity	Controlling Criteria	Special Provision?	Comments including any Permit Expiration Dates
Stream 1, Location 1	1145+18	1150+54	North side running parallel to I-285 SB to I-20 WB ramp, and crossing under ramp	Noise wall construction in the vicinity (no culvert extension or construction anticipated)	None	Section 404 of the Clean Water Act (CWA)	N/A	The stream parallels the north side of the I-285 southbound to I-20 Westbound ramp, then crosses (crossing #1) the ramp and emerges within the interchange. No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 1, Location 1 Buffer	1144+88	1150+72	North side running parallel to I-285 SB to I-20 WB ramp, and crossing under ramp	Noise wall construction in the vicinity	None	Georgia Erosion and Sedimentation Act of 1975, as amended (GESA)	N/A	No impacts based on Costing Plans dated September 2010.
Stream 1, Location 2	1153+02	1159+97	Both sides of I-20 west of I-285 (within interchange)	None	None	Section 404 of the CWA	N/A	This crossing starts within the NW quadrant of the I-20/I-285 interchange, crosses beneath I-20 via a 360-foot culvert (sta. 1154+27), continues in a 230 foot culvert under the I-285 southbound ramps, and reemerges to flow for about 250 feet in a concrete-lined ditch, parallel to the south side of the eastbound lanes of I-20. No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 1, Location 2 Buffer	1157+22	1160+03	Both sides of I-20 west of I-285 (within interchange)	None	None	GESA	N/A	No impacts based on Costing Plans dated September 2010. This is the 250 foot concrete ditch section described above.
Stream 1, Location 3	culvert crossing at sta. 66+14 on the I-285 ramps to I-20 EB	sta. 66+28 on the I-285 ramps to I-20 EB **	Both sides of I-285 ramps to I-20 EB	Roadway construction in the vicinity (no culvert extension or construction anticipated)	None	Section 404 of the CWA	N/A	This crossing is located beneath the I-285 ramps to I-20 eastbound and flows to an outfall just past the ramps and flows out of the existing R/W. No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 1, Location 3 Buffer	66+02	66+60 **	Both sides of I-285 ramps to I-20 EB	Roadway construction in the vicinity	None	GESA	N/A	No impacts based on Costing Plans dated September 2010. Buffer is measured from culvert outfall to R/W line.
Stream 2 (Cobbs Creek)	1174+34 **	1174+93 **	Both sides of I-20	Roadway construction in the vicinity (no culvert extension or construction anticipated)	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 2 Buffer	1174+06 **	1175+18 **	Both sides of I-20	Placement of slope embankment fills and slope drain system (no culvert extension or construction anticipated)	10 feet of buffer impact (560 square feet)	GESA	N/A	A Stream Buffer Variance will need to be obtained by the contractor from the Georgia Environmental Protection Division (EPD) prior to construction for this buffer impact.
Protected Species (Cobbs Creek)	1174+34 **	1174+93 **	South side of I-20	None		TITLE 27. Ga. Code Ann. §§ 027-3-130 - 133 (Endangered Wildlife Act of 1973)		No impacts expected to Cobbs Creek based on Costing Plans dated September 2010.
Stream 3 (Fowler Branch)	N/A-not in limits	N/A-not in limits	North side of I-20	None	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 3 Buffer	N/A-not in limits	N/A-not in limits	North side of I-20	None	None	GESA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Migratory Birds (Cobbs Creek/Fowler Branch culvert)	1174+49	1175+75	Both sides of I-20	Roadway construction on south side of road (no culvert extension or construction anticipated)	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 devises. Contractor shall direct questions ot the Engineer, and the Engineer shall contact Environmetnal Services if necessary for resolution.
Stream 4	1210+05 **	1211+03	Both sides of I-20	None	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 4 Buffer	1209+80	1210+51	Both sides of I-20	None	None	GESA	N/A	No impacts based on Costing Plans dated September 2010.
Tributary to Stream 3	1222+20 **	1222+53	North side of I-20	None, outside or construction limits	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010.
Tributary to Stream 3 Buffer	1221+94 **	1222+66 **	North side of I-20	None, outside or construction limits	None	GESA	N/A	Outside of construction limits and therefore was not included in Ecology Report.
Wetland 5	1210+52	1211+82	South side of I-20	None	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 6	1263+90	1264+15	Both sides of I-20	Roadway and culvert construction on south side of road	10 feet of permanent stream impact	Section 404 of the CWA	N/A	A Nationwide Permit 23 will need to be obtained for this impact. Impacts are based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 6 Buffer	1262+62	1264+40	Both sides of I-20	Roadway and culvert construction; Installation and maintenance of a retaining wall to support roadway fills.	155 feet (960 square feet) for the installation of retaining wall	GESA	N/A	A Stream Buffer Variance will need to be obtained by the contractor from the Georgia EPD prior to construction for this buffer impact. However, impacts associated with the 10-foot culvert extension are exempt from a buffer encroachment variance (Georgia DNR Rule 391-3-7.05)
Stream 7	1270+90 **	1271+38 **	Both sides of I-20	Culvert extension and construction (south side only)	35 linear feet of permanent stream impact; 15 feet of temporary impact	Section 404 of the CWA	N/A	A Nationwide Permit 23 will need to be obtained for this impact. Impacts are based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 7 Buffer	1270+65 **	1271+57	Both sides of I-20	Culvert extension, construction, and erosion control (south side only)	Activities within 50 feet of the culvert are exempt	GESA	N/A	Roadway drainage exemption--work beyond 50 feet of the proposed culvert extension would require a stream buffer variance or written permission from Georgia EPD prior to commencement of the activity.
Stream 8 (Snapfinger Creek)	1302+87 **	1303+50	Both sides of I-20	None	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 8 (Snapfinger Creek) Buffer	1302+41 **	1303+77 **	Both sides of I-20	None	None	GESA	N/A	No impacts based on Costing Plans dated September 2010.
Intermittent Tributary to Stream 8	1291+69	1302+41	North side of I-20	None, outside or construction limits	None	Section 404 of the CWA	N/A	Outside of construction limits and therefore was not included in Ecology Report.
Intermittent Tributary to Stream 8 Buffer	1291+37	1302+32	North side of I-20	None, outside or construction limits	None	GESA	N/A	Outside of construction limits and therefore was not included in Ecology Report.
Protected Species (Snapfinger Creek)	1302+87 **	1303+50	Both sides of I-20	None		TITLE 27. Ga. Code Ann. §§ 027-3-130 - 133 (Endangered Wildlife Act of 1973)		No impacts expected to Snapfinger Creek based on Costing Plans dated September 2010.

** Stationing as measured to Existing Right of Way line

Resource Name/Type	Location on I-20 EB CL Beginning STA	Ending STA	Side	Construction Activity	Permitted Activity	Controlling Criteria	Special Provision?	Comments including any Permit Expiration Dates
Stream 9	1322+95 **	1323+72 **	Both sides of I-20	Roadway construction on south side of road (no culvert extension or construction anticipated)	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 9 Buffer	1322+45 **	1324+38 **	Both sides of I-20	Roadway construction on south side of road (no culvert extension or construction anticipated)	None	GESA	N/A	No impacts based on Costing Plans dated September 2010.
Migratory Birds (I-20 culvert outflow into Walden Lake)	1322+95	1323+72	Both sides of I-20	Roadway construction on south side of road (no culvert extension or construction anticipated)	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 devises. Contractor shall direct questions ot the Engineer, and the Engineer shall contact Environmetnal Services if necessary for resolution.
Migratory Birds (Miller Road bridge over I-20)	1345+31	1347+06	Both sides of I-20	Roadway construction in the vicinity (No demolition or reconstruction of bridge anticipated).	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 devises. Contractor shall direct questions ot the Engineer, and the Engineer shall contact Environmetnal Services if necessary for resolution.
Stream 10 (Panthers Branch)	1357+79 **	1359+78 **	Both sides of I-20	Roadway construction on south side of road (no culvert extension or construction anticipated)	None	Section 404 of the CWA	N/A	No impacts based on Costing Plans dated September 2010. Any changes to impacts will need to be permitted under Section 404 of the CWA.
Stream 10 Buffer	1357+44 **	1360+02 **	Both sides of I-20	Placement of slope embankment fills and a slope drainage system (no culvert extension or construction anticipated).	15 feet (830 square feet) of fill within buffer as measured along stream line.	GESA	N/A	A Stream Buffer Variance will need to be obtained by the contractor from the Georgia EPD prior to construction for this buffer impact.
Migratory Birds (Panther's Branch culvert)	1359+14	1359+48	Both sides of I-20	Roadway construction in the vicinity (no culvert extension or construction anticipated)	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 devises. Contractor shall direct questions ot the Engineer, and the Engineer shall contact Environmetnal Services if necessary for resolution.
Migratory Birds (Panola Road bridge over I-20)	1385+74	1387+26	Both sides of I-20	Roadway construction. None directly under bridge (No demolition or reconstruction of bridge anticipated)	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 devises. Contractor shall direct questions ot the Engineer, and the Engineer shall contact Environmetnal Services if necessary for resolution.
Noise Wall 1a	1134+00	1150+18	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 1b	1138+50	1163+02	North side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 1	71+50 (I-20 EB CD)	1184+05	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 2	86+31 (I-20 EB CD)	1213+75	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 3	1213+10	1231+14	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 4	1249+97.5	1302+00	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 5	1260+00	1285+16	North side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 6	1306+44	1344+78	South side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	
Noise Wall 7	1306+10	1318+50	North side of I-20	Noise wall construction	Noise wall construction	23 CFR Part 772	N/A	

** Stationing as measured to Existing Right of Way line

COSTING PLANS

COSTING PLANS

ARCADIS
Infrastructure, environment, buildings

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:

GENERAL NOTES

I-20 EASTBOUND CD LANES
I-285 TO PANOLA ROAD

DRAWING No. 4-02