



June 23, 2009

**ADDENDA NO. 1
TO THE
CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS
BID # 54-09
DAIRY RIDGE ROAD BRIDGE PROJECT**

The following revisions, additions, and clarifications are hereby made part of the Contract Documents and Technical Specifications for the above referenced project and shall be taken into account in the preparation of all bids and the execution of all work. Bidders shall acknowledge receipt of the addendum through signed copy of addendum delivered in person, fax, or signature e-mail.

REVISIONS/CLARIFICATION TO SPECIFICATIONS

Make the following additions to the plans and specifications:

1. Lump sum bid. Include all costs. Include all taxes.
2. No work on Sundays.
3. There will be hikers on the Palmetto Trail and curious people from the Park. Make provisions for hiker passage and a safe worksite.
4. A portion of the trail will be moved which will require paving approximately 210 feet of relocated trail.
5. Final ROW is expected from the State PRT in a couple of weeks (late June).
6. Demolition will include all the old bridge including the concrete piers.
7. Be careful to save as many trees as possible. Do not park equipment off the road or under the trees.
8. They will be required to remove rock down to the base of the footing. The rock appears to be poor quality according to the

borings. (See drawings 27 and 28, rock quality is low to the bottom of the footings).

9. The County will provide the modified bulb tees. Jeff White with Prestress of the Carolinas, Charlotte, NC. The contractor will install. Barrier walls are poured in place.
10. Beams will be available in September.
11. There is some coordination the winning contractor will have to do with the beam manufacturer for spacing of:
 - a. safety line bars
 - b. OH system to use
 - c. drilled holes location for false work in the girders
 - d. location of the metal deck clip inserts
12. We will change the construction time to six months.
13. \$500 per day for liquidated damages.
14. If the contractors need a cadd drawing for takeoffs, email the request and I will attach the drawings and return it.
15. The bridge deck will be textured per SC DOT standard specification section 702.4.15.
16. Subsurface wall drain panel will be CCW Miradrain 6000 or approved equivalent.
17. Proposed Parking Drawing, use 15" rcp pipe instead of 12" chdpe.
18. Vegetative slope matting shall be installed on all disturbed soil. See detail on drawing 4.
19. The ends of the wing walls shown on drawings 16 and 18 are the cantilevered portion of a standard U-back wing.
20. No rock anchors are used on this project. The anchor bolt detail on drawing 15 and 17 are the anchor bolts in the beam seat of the abutment for the beams. See sheet 20 for bolt size and type.

21. See the attached rebar conversion chart from the ERICO Company.

REINFORCING STEEL BARS

ASTM A615/A706 CHART FOR REINFORCING STEEL BARS							
Bar Size Designation Inch-Pound [Soft Metric]		Nominal Weight lb./ft. (kg/m)		Nominal Dimensions			
				Diameter in. (mm)		Cross Sectional Area in ² (mm ²)	
#3	[10]	0.376	(.560)	0.375	(9.5)	0.11	(71)
#4	[13]	0.668	(.994)	0.500	(12.7)	0.20	(129)
#5	[16]	1.043	(1.552)	0.625	(15.9)	0.31	(199)
#6	[19]	1.502	(2.235)	0.750	(19.1)	0.44	(284)
#7	[22]	2.044	(3.042)	0.875	(22.2)	0.60	(387)
#8	[25]	2.670	(3.973)	1.000	(25.4)	0.79	(510)
#9	[29]	3.400	(5.060)	1.128	(28.7)	1.00	(645)
#10	[32]	4.303	(6.404)	1.270	(32.3)	1.27	(819)
#11	[36]	5.313	(7.907)	1.410	(35.8)	1.56	(1006)
#14	[43]	7.65	(11.38)	1.693	(43.0)	2.25	(1452)
#18	[57]	13.60	(20.24)	2.257	(57.3)	4.00	(2581)

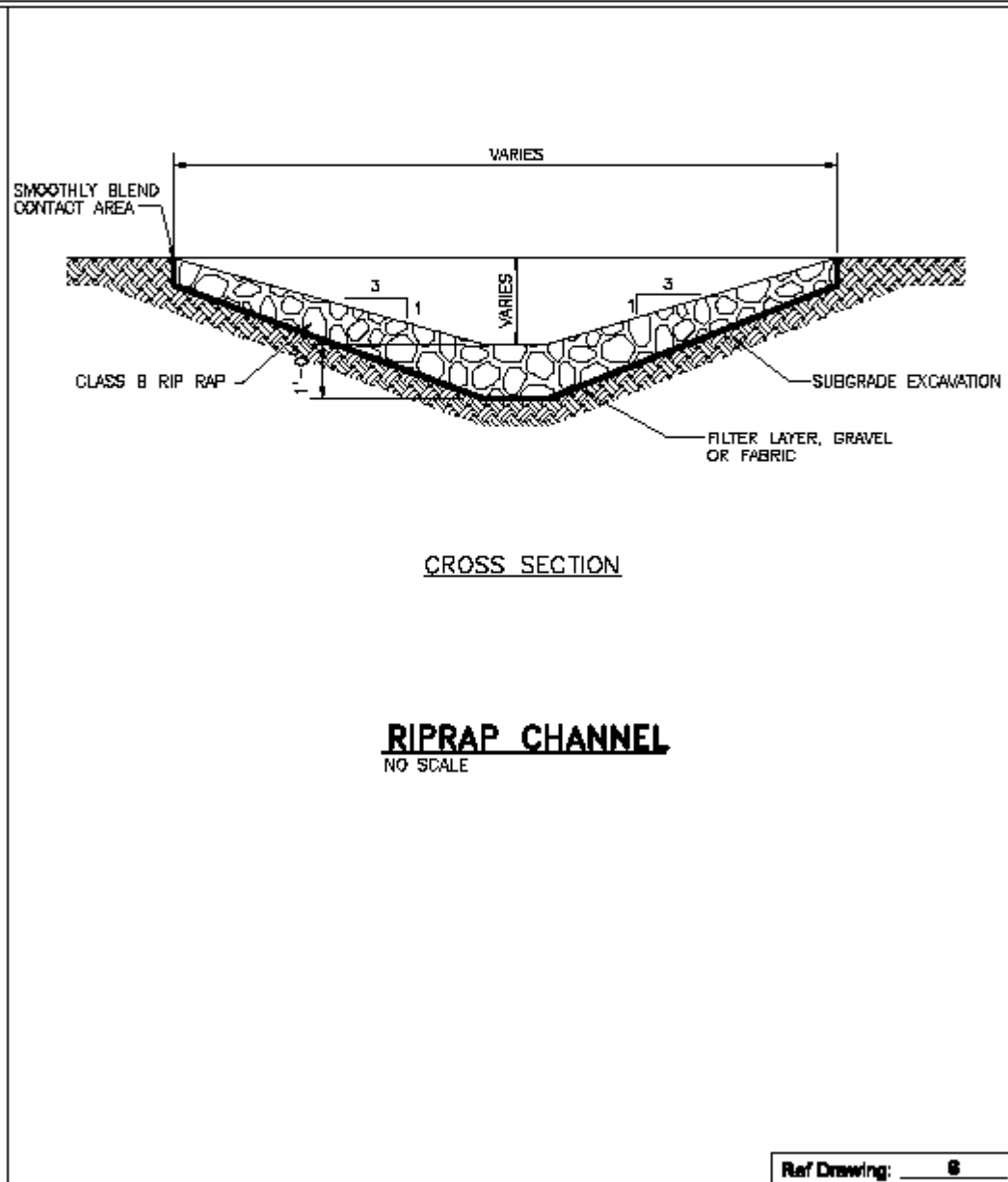
CAN/CSA-G30.18-M92 CHART FOR REINFORCING STEEL BARS				
Bar Size Designation Metric	Nominal Mass kg/m	Nominal Dimensions		Comparison To A615
		Diameter mm	Cross Sectional Area mm ²	
10M	0.785	11.3	100	20% < #4
15M	1.570	16.0	200	SAME AS #5
20M	2.355	19.5	300	6.8% > #6
25M	3.925	25.2	500	1.3% < #8
30M	5.495	29.9	700	9% > #9
35M	7.850	35.7	1000	0.6% < #11
45M	11.775	43.7	1500	3.5% > #14
55M	19.625	56.4	2500	3% < #18
UNIT CONVERSIONS				
kilogram (kg) = 2.2046 lb.		1 kilogram/meter (kg/m) = .6719 lb./ft.		
1 millimeter (mm) = .03937 in.		1 metric/ton = 1000 kg		
1 meter (m) = 3.281 ft.		= 2204.6 lb		
1 square millimeter (mm ²) = .00155 in. ²		1 megapascal (MPa) = 1 Newton/mm ²		
		= 145.03 psi		

ERICO* Products: LENTON* LENTON* INTERLOK
 CADWELD* LENTON* QUICK WEDGE
 LENTON* FORM SAVER LENTON* SPEED SLEEVE

22. Riprap swales approximately 1600 linear feet, depth of 12 inches minimum. See the attached detail.

AECOM

Project	<u>DAIRY RIDGE ROAD BRIDGE</u>	Project No.	<u>61067</u>
Title	<u>RIPRAP CHANNEL DETAIL</u>	Phase	_____
	<u>SPARTANBURG COUNTY</u>	Date	<u>6-22-08</u>
Des By	<u>KDS</u>	Dept	<u>CIVIL</u>
		Rev Date	_____
Clad By	<u>DSS</u>	Sketch	<u>SK-1</u>
		Sheet No.	<u>1</u> OF <u>1</u>



Ref Drawing: 6

BY: PROJECT MANAGER OR APPROVED CIVIL ENGINEER AND/OR STATE REGISTERED PROFESSIONAL ENGINEER
 DATE: 6/22/08
 BY: AECOM

Respectfully Submitted,

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