STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

February 7, 2013

Addendum No. 1
Contract No.: DA00149
TIP No.: N/A
WBS No.: 17BP.1.R.15

Replacement of Bridge #12 on NC 137 over Cole Creek in Gates County.

To Whom It May Concern:

Reference is made to the proposal previously furnished for this project.

The following revision has been made to the proposal:

Page No. 92, "Bid Form," has been revised to replace the line item for "Bridge Approach Fill – Sub Regional Tier" to "Reinforced Bridge Approach Fill." Please void the existing Pages No. 92 in the proposal and staple revised Pages No. 92 thereto.

Plan Sheet 23 has been revised, the text "Sub-Regional Tier" has been omitted in the Title box. Please void the existing Plan Sheet 23 in the proposal and staple revised Plan Sheet 23 thereto.

Sincerely,

W. B. Hobbs, PE
Division Project Manager

WBH/ces

Attachment

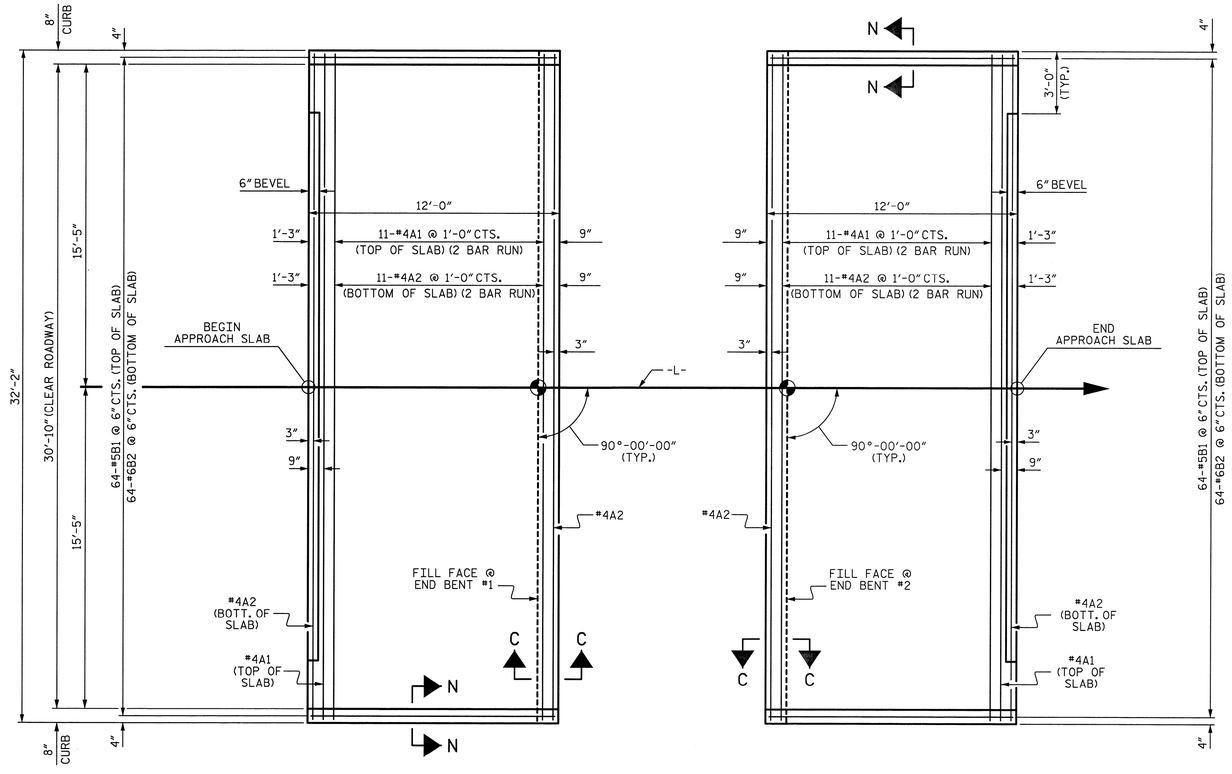
cc: S. D. Baker, PE
G. A Byrum, PE
R.W. Midgett, PE
J. S. Abel, Jr.
D. H. Stallings

113 Airport Drive, Suite 100 Edenton, NC 27932 Phone (252) 482-1850, Fax (252) 482-8722

North Carolina Department of Transportation
BID FORM

WBS Number: 17BP.1.R.15
County: Gates
Description: Replacement of Bridge #12 on NC 137 Over Cole Creek

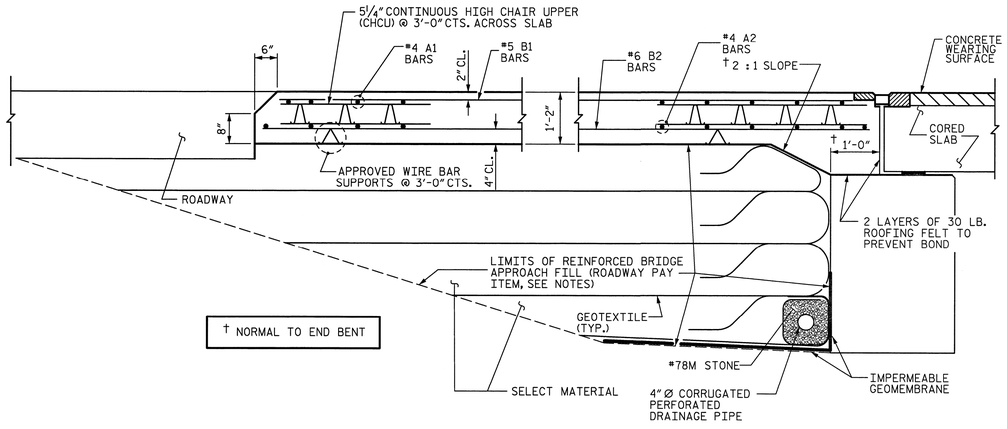
Line No.	Item No.	Sect. No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT BID
1	0000100000-N	800	Mobilization	Lump Sum	LS	Lump Sum	
2	0029000000-N	SP	Reinforced Bridge Approach Fill, (13+27.00)	Lump Sum	LS	Lump Sum	
3	0050000000-E	226	Supplementary Clearing & Grubbing	0.1	ACR		
4	0248000000-N	SP	Generic Grading Item (Excavation And Embankment)	Lump Sum	LS	Lump Sum	
5	0318000000-E	300	Foundation Conditioning Material, Minor Structures	10	TON		
6	0320000000-E	300	Foundation Conditioning Geotextile	10	SY		
7	0335200000-E	305	15” Drainage Pipe	20	LF		
8	1308000000-E	607	0” to 3” Milling	530	SY		
9	1489000000-E	610	Asphalt Concrete Base Course, Type B25.0B	50	TON		
10	1519000000-E	610	Asphalt Concrete Surface Course, Type S9.5B	150	TON		
11	1575000000-E	620	Asphalt Binder for Plant Mix	11	TON		
12	2286000000-N	840	Masonry Drainage Structures	1	EA		
13	2367000000-N	840	Frame with Two Grates, Std. 840.29	1	EA		
14	2556000000-E	846	Shoulder Berm Gutter	13	LF		
15	3030000000-E	862	Steel Beam Guardrail	50	LF		
16	3150000000-N	862	Additional Guardrail Posts	5	EA		
17	3165000000-N	SP	Guardrail Anchor Units, Type 350 (TL-2)	4	EA		
18	3215000000-N	862	Guardrail Anchor Units, Type III	4	EA		
19	3649000000-E	876	Rip Rap, Class B	1	TON		
20	3656000000-E	876	Geotextile for Drainage (Drainage)	5	SY		
21	4399000000-N	SP	Temporary Traffic Control	Lump Sum	LS	Lump Sum	
22	4810000000-E	1205	Paint Pavement Marking Lines (4")	1,500	LF		
23	4900000000-N	1251	Permanent Raised Pavement Markers	15	EA		
24	6000000000-E	1605	Temporary Silt Fence	580	LF		
25	6006000000-E	1610	Stone for Erosion Control, Class A	75	TON		
26	6009000000-E	1610	Stone for Erosion Control, Class B	5	TON		
27	6012000000-E	1610	Sediment Control Stone	20	TON		
28	6015000000-E	1615	Temporary Mulching	0.5	ACR		
29	6018000000-E	1620	Seed For Temporary Seeding	50	LB		
30	6021000000-E	1620	Fertilizer For Temporary Seeding	0.25	TON		
31	6029000000-E	SP	Safety Fence	100	LF		
32	6030000000-E	1630	Silt Excavation	10	CY		
33	6036000000-E	1631	Matting for Erosion Control	545	SY		



PLAN @ END BENT #1

PLAN @ END BENT #2

DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS



† NORMAL TO END BENT

SECTION THRU SLAB

ELASTOMERIC CONCRETE	
END BENT NO.	ELASTOMERIC CONCRETE * (CU. FT.)
1	9.4
2	9.4
TOTAL	18.8

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

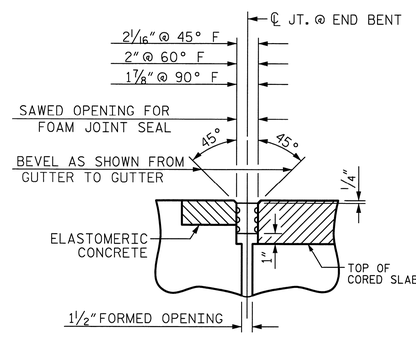
NOTES **REVISED 2/7/2013**

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

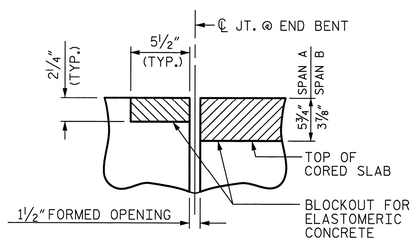
AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

APPROACH SLAB GROOVING IS REQUIRED.

SPLICE LENGTHS		
BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

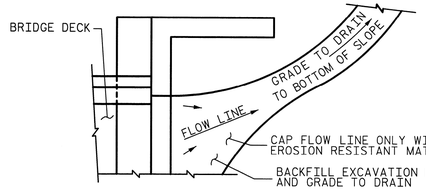


SECTION C-C
FOAM JOINT SEAL
(EXPANSION)



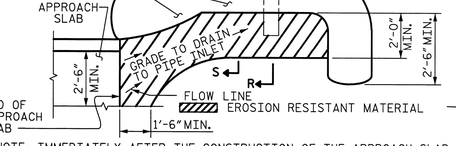
SECTION C-C
FOAM JOINT SEAL
(PRE-SAWED ELASTOMERIC CONCRETE DIMENSIONS)

BILL OF MATERIAL					
APPROACH SLAB AT EB #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	24	#4	STR	16'-11"	271
A2	26	#4	STR	16'-9"	291
* B1	64	#5	STR	11'-0"	734
B2	64	#6	STR	11'-8"	1121
REINFORCING STEEL				LBS.	1412
* EPOXY COATED REINFORCING STEEL				LBS.	1005
CLASS AA CONCRETE				C. Y.	18.7
APPROACH SLAB AT EB #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	24	#4	STR	16'-11"	271
A2	26	#4	STR	16'-9"	291
* B1	64	#5	STR	11'-0"	734
B2	64	#6	STR	11'-8"	1121
REINFORCING STEEL				LBS.	1412
* EPOXY COATED REINFORCING STEEL				LBS.	1005
CLASS AA CONCRETE				C. Y.	19.2



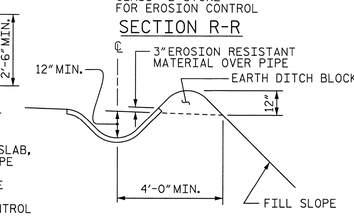
NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

TEMPORARY DRAINAGE DETAIL



NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

PLAN VIEW

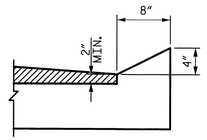


SECTION R-R

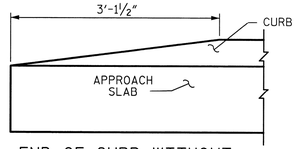
SECTION S-S

TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)



SECTION N-N



END OF CURB WITHOUT SHOULDER BERM GUTTER

CURB DETAILS

PROJECT NO. 17BP.1.R.15

GATES COUNTY

STATION: 13+27.00-L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD BRIDGE APPROACH SLAB FOR PRESTRESSED CONCRETE CORED SLAB UNIT

~~(SUB REGIONAL TIER)~~

90° SKEW

Prepared by
URS
URS Corporation - North Carolina
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NC LIC.# C-2243

NORTH CAROLINA PROFESSIONAL SEAL 5953 ENGINEER CARLDON HALL JR 11/7/12

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	23
1			3			TOTAL SHEETS
2			4			28

ASSEMBLED BY : R.L. WHITCHER DATE : 8/10/12
CHECKED BY : K.H. COMPTON DATE : 8/16/12
DRAWN BY : SHS/MAA 5-09
CHECKED BY : BCH 5-09
REV. 12-11 MAA/AAC

Kyle_compton 2012
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STD. NO. BAS_33_90S