



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

March 10, 2017

Addendum No. 1

RE: Contract # C203876
WBS # 38455.3.1
STATE FUNDED
Wake County (B-4655)
Bridge #277 Over Black Creek On SR-1006

March 21, 2017 Letting

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revision has been made to the Structure plans:

Sheet No.	Revisions
S-2	Corrected the beam depth for the Prestressed Concrete Box Beams within the "Total Bill Of Material"

Please void sheet No. S-2 in your plans and staple the revised sheet thereto.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 03-10-17"
G-3	Revised the Box Beam height dimension under "Description" within the project special provision entitled "Major Contract Items"

Please void the Proposal Cover and Page No. G-3 in your proposal and replace with the revised pages.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov


On the item sheets the following pay item description has been revised:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
090-87532000000-E-430	3'-0" X 3'-3" Prestressed Concrete Box Beams	935 LF	DELETED
090-87531000000-E-430	3'-0" X 2'-9" Prestressed Concrete Box Beams	NEW ITEM	935 LF

The Contractor's bid must be based on this revised pay item description. The contract will be prepared accordingly.

The Expedite File has been updated to reflect this revision. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

Sincerely,

DocuSigned by:

 1C72C8D1867C48E...

J. Andy Gay, PE

Proposals and Contracts Engineer

JAG/jag

cc:	Mr. Lamar Sylvester, PE	Mr. Ray Arnold, PE
	Mr. Joey Hopkins, PE	Ms. Theresa Canales, PE
	Mr. Rodger Rochelle, PE	Mr. Mike Gwyn
	Mr. R.E. Davenport, PE	Mr. Mitchell Dixon
	Mr. Ken Kennedy, PE	Ms. Penny Higgins
	Ms. Jaci Kincaid	Ms. Lori Strickland
	Project File (2)	

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 03-10-2017

DATE AND TIME OF BID OPENING: **MARCH 21, 2017 AT 2:00 PM**

CONTRACT ID C203876
WBS 38455.3.1

FEDERAL-AID NO. STATE FUNDED

COUNTY WAKE

T.I.P. NO. B-4655

MILES 0.188

ROUTE NO. SR 1006

LOCATION BRIDGE #277 OVER BLACK CREEK ON SR-1006.

TYPE OF WORK GRADING, DRAINAGE, PAVING AND STRUCTURE.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

MAJOR CONTRACT ITEMS:

(2-19-02)

104

SP1 G28

The following listed items are the major contract items for this contract (see Article 104-5 of the 2012 Standard Specifications):

Line #	Description
90	— 3'-0" x 2'-9" Prestressed Concrete Box Beams

SPECIALTY ITEMS:

(7-1-95)(Rev. 1-17-12)

108-6

SP1 G37

Items listed below will be the specialty items for this contract (see Article 108-6 of the 2012 Standard Specifications).

Line #	Description
25 thru 28	Guardrail
33 thru 40	Signing
46 thru 47	Long-Life Pavement Markings
48	Permanent Pavement Markers
49 thru 76, 78	Erosion Control
77	Reforestation

FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev. 2-18-14)

109-8

SP1 G43

Revise the 2012 Standard Specifications as follows:

Page 1-83, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ 1.6906 per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	2.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	2.90

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (18+35.50 -L-)	Lump Sum	L.S.	
0004	0043000000-N	226	GRADING	Lump Sum	L.S.	
0005	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUB-BING	1 ACR		
0006	0057000000-E	226	UNDERCUT EXCAVATION	200 CY		
0007	0195000000-E	265	SELECT GRANULAR MATERIAL	200 CY		
0008	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	300 SY		
0009	0335200000-E	305	15" DRAINAGE PIPE	32 LF		
0010	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (15")	2 EA		
0011	0344000000-E	310	18" SIDE DRAIN PIPE	68 LF		
0012	0345000000-E	310	24" SIDE DRAIN PIPE	76 LF		
0013	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	72 LF		
0014	0995000000-E	340	PIPE REMOVAL	135 LF		
0015	1220000000-E	545	INCIDENTAL STONE BASE	100 TON		
0016	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	880 TON		
0017	1498000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	790 TON		
0018	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	350 TON		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	100 TON		
0020	2000000000-N	806	RIGHT OF WAY MARKERS	19 EA		
0021	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	2 EA		
0022	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	2 EA		
0023	2556000000-E	846	SHOULDER BERM GUTTER	75 LF		
0024	2612000000-E	848	6" CONCRETE DRIVEWAY	70 SY		
0025	3030000000-E	862	STEEL BM GUARDRAIL	100 LF		
0026	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0027	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0028	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	4 EA		
0029	3628000000-E	876	RIP RAP, CLASS I	425 TON		
0030	3635000000-E	876	RIP RAP, CLASS II	165 TON		
0031	3649000000-E	876	RIP RAP, CLASS B	75 TON		
0032	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,485 SY		
0033	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (D)	12 SF		
0034	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	29.5 SF		
0035	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	120 LF		
0036	4096000000-N	904	SIGN ERECTION, TYPE D	2 EA		
0037	4102000000-N	904	SIGN ERECTION, TYPE E	4 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0038	4116100000-N	904	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	1	EA	
0039	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	9	EA	
0040	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	
0041	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	582	SF	
0042	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	304	SF	
0043	4422000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	28	DAY	
0044	4430000000-N	1130	DRUMS	6	EA	
0045	4445000000-E	1145	BARRICADES (TYPE III)	208	LF	
0046	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	2,480	LF	
0047	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	2,480	LF	
0048	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	12	EA	
0049	6000000000-E	1605	TEMPORARY SILT FENCE	1,100	LF	
0050	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	105	TON	
0051	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	255	TON	
0052	6012000000-E	1610	SEDIMENT CONTROL STONE	160	TON	
0053	6015000000-E	1615	TEMPORARY MULCHING	3	ACR	
0054	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200	LB	
0055	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	2	TON	

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0056	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0057	6029000000-E	SP	SAFETY FENCE	400 LF		
0058	6030000000-E	1630	SILT EXCAVATION	400 CY		
0059	6036000000-E	1631	MATTING FOR EROSION CONTROL	7,500 SY		
0060	6037000000-E	SP	COIR FIBER MAT	150 SY		
0061	6042000000-E	1632	1/4" HARDWARE CLOTH	200 LF		
0062	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	225 SY		
0063	6070000000-N	1639	SPECIAL STILLING BASINS	2 EA		
0064	6071010000-E	SP	WATTLE	230 LF		
0065	6071014000-E	SP	COIR FIBER WATTLE BARRIER	80 LF		
0066	6071020000-E	SP	POLYACRYLAMIDE (PAM)	120 LB		
0067	6071030000-E	1640	COIR FIBER BAFFLE	100 LF		
0068	6071050000-E	SP	*** SKIMMER (1-1/2")	2 EA		
0069	6084000000-E	1660	SEEDING & MULCHING	3 ACR		
0070	6087000000-E	1660	MOWING	1.5 ACR		
0071	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0072	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0073	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	75 LB		
0074	6108000000-E	1665	FERTILIZER TOPDRESSING	1.75 TON		
0075	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0076	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	25 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0077	6123000000-E	1670	REFORESTATION	0.1 ACR		
0078	6132000000-N	SP	GENERIC EROSION CONTROL ITEM (CONCRETE WASHOUT STRUCTURE)	2 EA		
STRUCTURE ITEMS						
0079	8021000000-N	SP	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+35.50 -L-)	Lump Sum	L.S.	
0080	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+35.50 -L-)	Lump Sum	L.S.	
0081	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	37.6 CY		
0082	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (18+35.50 -L-)	Lump Sum	L.S.	
0083	8217000000-E	425	REINFORCING STEEL (BRIDGE)	6,220 LB		
0084	8364000000-E	450	HP12X53 STEEL PILES	335 LF		
0085	8475000000-E	460	TWO BAR METAL RAIL	154.37 LF		
0086	8517000000-E	460	1'-**X ***** CONCRETE PARA- PET (1'-2" X 2'-9 1/2")	170 LF		
0087	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	140 TON		
0088	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	.155 SY		
0089	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0090	8753100000-E	430	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS	935 LF		

County : Wake

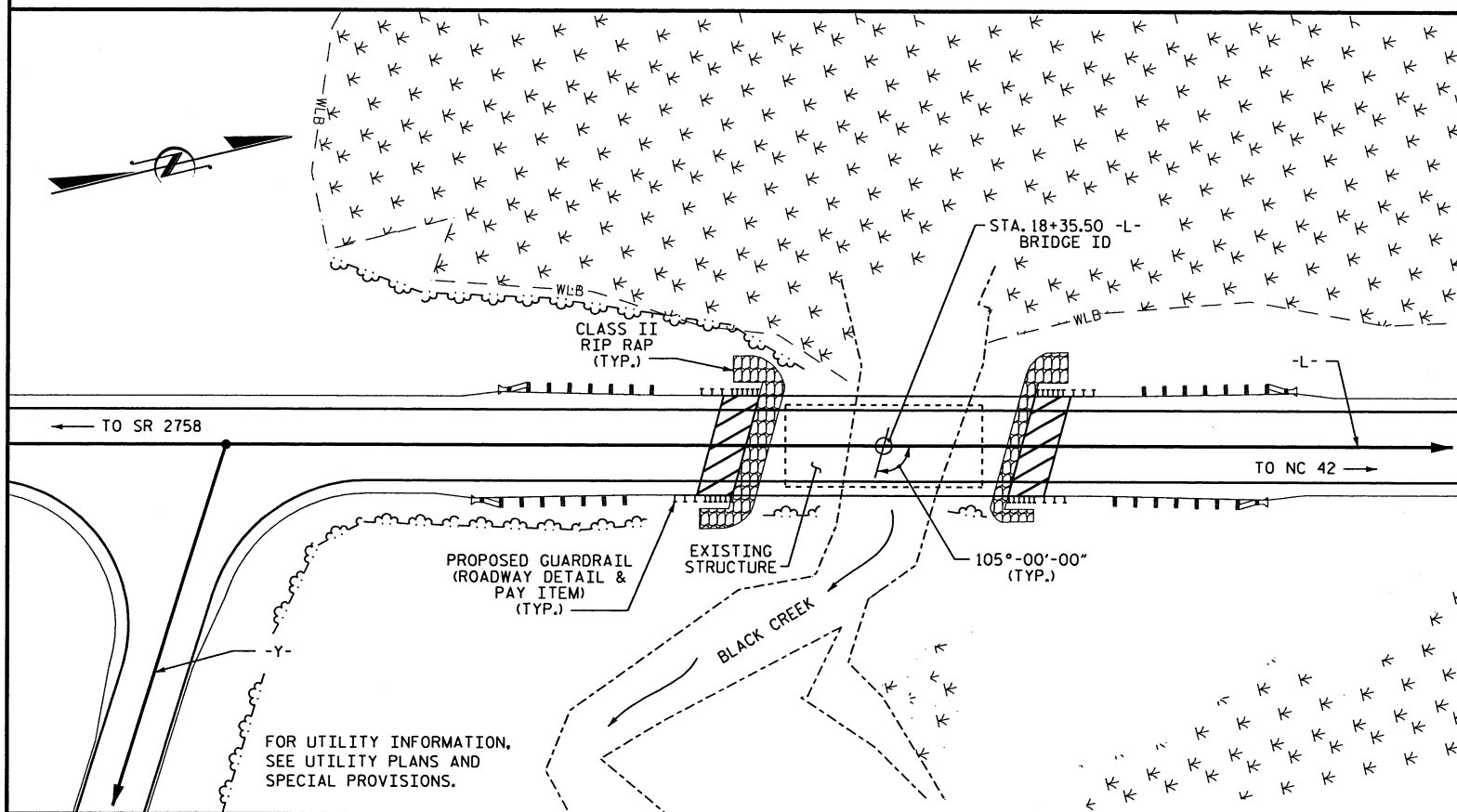
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
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0091	8860000000-N	SP	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT	Lump Sum	L.S.	
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0931/Mar10/Q31774.07/D410224374000/E91

Total Amount Of Bid For Entire Project :

BM #2: BENCH TIE SPIKE IN 12" OAK, 27.56' RT OF STA. 18+87.36 -L-, EL. 247.39



LOCATION SKETCH

HYDRAULIC DATA

DESIGN DISCHARGE = 950 C.F.S.
 FREQUENCY OF DESIGN FLOOD = 25 YRS.
 DESIGN HIGH WATER ELEVATION = 244.90 FT.
 DRAINAGE AREA = 9.1 SQ. MI
 BASE DISCHARGE (0100) = 1683 C.F.S.
 BASE HIGH WATER ELEVATION = 246.30 FT.

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE = 1753 C.F.S.
 FREQUENCY OF OVERTOPPING FLOOD = 100 YRS.
 OVERTOPPING FLOOD ELEVATION = 246.3 FT. ▲

▲ ELEVATION IS TAKEN AT SAG IN ROAD @ STA. 20+96 -L-

TOTAL BILL OF MATERIAL

	REMOVAL OF EXISTING STRUCTURE	UNCLASSIFIED STRUCTURE EXCAVATION	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	HP 12 X 53 STEEL PILES	TWO BAR METAL RAIL	1'-2" X 2'-9 1/2" CONCRETE PARAPET	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	3'-0" X 2'-9" PRESTRESSED CONCRETE BOX BEAMS	ASBESTOS ASSESSMENT
	LUMP SUM	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	NO.	LIN. FT.	LIN. FT.	LIN. FT.	TON	SO. YD.	LUMP SUM	LUMP SUM
SUPERSTRUCTURE								154.37	170.00			LUMP SUM	LUMP SUM
END BENT 1			18.8		3110	7	210			85	95		
END BENT 2			18.8		3110	7	125			55	60		
TOTAL	LUMP SUM	LUMP SUM	37.6	LUMP SUM	6220	14	335	154.37	170.00	90	155	LUMP SUM	LUMP SUM

NOTES

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA ON SHEET S-1 SHALL BE EXCAVATED FOR A DISTANCE OF 25 FT EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

THE EXISTING STRUCTURE CONSISTING OF 2 SPANS (2 @ 30.3') WITH A CLEAR ROADWAY WIDTH OF 24.3' AND DECK CONSISTING OF PRESTRESSED CONCRETE CHANNELS; ON PRESTRESSED CONCRETE CAPS AND TIMBER PILES AND LOCATED AT THE PROPOSED STRUCTURE SITE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, THE LOAD LIMIT MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT. FOR REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISION.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD PROVISIONS.

PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.

PROJECT NO. B-4655
 WAKE COUNTY
 STATION: 18+35.50 -L-

SHEET 2 OF 2



Drawn by: [Signature]
 3/7/2017

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE OVER
 BLACK CREEK ON
 SR 1006 (OLD STAGE ROAD)
 BETWEEN SR 2758 & NC 42

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

DRAWN BY: J.P. ADAMS DATE: 10/2016
 CHECKED BY: K.W. ALFORD DATE: 11/2016