

* 04-00206-00-BR BR. SHEET 1 OF 6

CONTRACT NO. 87316

GENERAL NOTES

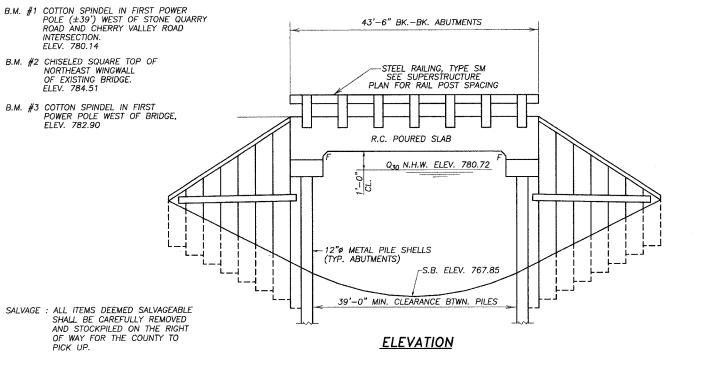
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-

PROTECTIVE COAT HAS BEEN INCLUDED FOR THE TOP OF DECK AND THE EAST AND WEST EDGES OF THE DECK TO THE DRIPNOTCH.

THE $\frac{34}{4}$ Structural steel plates at each end of the Deck are included for payment per pound of furnishing and erecting structural steel. After fabrication, all suffaces of the steel plates shall be given one shop coat of paint specified for

THE CONTRACTOR SHALL DRIVE ONE 12" METAL PILE SHELL TEST PILE IN A PERMANENT LOCATION AT THE WEST ABUTMENT AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE

THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK, IN ADDITION TO ALLOWANCE FOR DEAD LOAD DEFLECTION.



P BRG. EAST ABUTMENT STA. 57+10.00 CR. EL. 784.17 —BC € BRG. WEST ABUTMENT— STA. 56+70.00 CR. EL. 784.17 -BORING B2 STA. 57+14 6' LT. BACK EAST ABUTMENT STA. 57+11.75 € BRIDGE STA. 56+90.00 BACK WEST ABUTMENT-STA. 56+68.25 0 CR. EL. 784.18 CR. EL. 784.17 BORING B1-STA. 56+65 9' RIGHT 40'-0" € - € BRG. 43'-6" BK.-BK. ABUTS PLAN

+2.65% 0.00% +0.27%

GRADE PROFILE

BAUMANN

4732

LICENSE EMPIRES 11-80-08

DESIGN STRESSES

fs = 60,000 P.S.I. (REINFORCEMENT)

f'c = 3500 P.S.I.

LOW GRADE ELEV. 783.81 AT STA. 53+50 HEAD-FT. HEADWATER EL. H.W.E. EXIST. PROP. EXIST. PROP. 0.70 781.43 780.72

3.24 784.00 783.78

2.88 784.00 784.00

DESIGN SPECIFICATIONS 2002 AASHTO (ALLOWED FOR 25 P.S.F. FOR FUTURE WEARING SURFACE.)

LOADING HS 20-44

KINGSBURY CREEK BUILT 2007 BY DEKALB COUNTY SECTION 04-00206-00-BR STATION 56+90 STR. NO. 019-3061 LOADING HS 20-44

LETTERING FOR NAME PLATE

SEE STD. 515001

BILL OF MATERIAL	BRIDGE			
ITEM	UNIT	SUPERSTR.	SUBSTR.	TOTAL
CONCRETE SUPERSTRUCTURES	CU. YD.	153.5		153.5
CONCRETE STRUCTURES	CU. YD.		25.1	25.1
FURN. AND ERECTING STRUCTURAL STEEL	LBS.	1769	4826	6595
REINFORCEMENT BARS, EPOXY COATED	POUND	20320	3140	23460
PROTECTIVE COAT	SQ. YD.	242		242
NAME PLATES	EACH	1		1
STEEL RAILING TYPE SM	FOOT	87		87
FURNISHING METAL PILE SHELL -12"ø	FOOT		583	583
TEST PILE, METAL PILE SHELL - 12"ø	EACH		1	1
STEEL SHEET PILING	SQ. FT.		3550	3550
HARDWARE	POUND		3084	3084
BRIDGE DECK GROOVING	SQ. YD.	222		222
DRIVING PILES 1	FOOT		583	583
			Married Street, Supplement of the Street, Stre	

(Revised 8-27-071

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES".

GENERAL PLAN AND ELEVATION SECTION 04-00206-00-BR CHERRY VALLEY ROAD DEKALB COUNTY SN 019-3061

DRAINAGE AREA= 11.67 SQ.MI.

YR.

30

100

500

FLOOD

DESIGN

MAX. CALC.

BASE

WATERWAY INFORMATION

515

780.02 1.41

555 780.54 3.46

555 781.12 2.88

OPENING SQ. FT.

EXIST. PROP.

386

441

441

C.F.S.

2912

3850

5050

INTERSECTION.

ELEV. 780.14

PICK UP.