SUMMARY OF QUANTITIES

FAS ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
—	*	DEKALB	21	2

ILLINOIS PROJECT BRS-1122(107)

* 04-00206-00-BR

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	FEDERAL FUNDING CODE X-020-2A (STRUCTURE)	FEDERAL FUNDING CODE X-1000 (ROADWAY)	NON-PARTICIPATING 100% LOCAL COUNTY FUNDING CODE X-1000
	20200100	EARTH EXCAVATION	CU YD	3540	0	460	3080
	20400800	FURNISHED EXCAVATION	CU YD	950	0	124	827
	20800150	TRENCH BACKFILL	CU YD	25	0	0	25
*	25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.49	0	0	1
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	800	0	104	696
	28000300	TEMPORARY DITCH CHECKS	EACH	25	0	3	22
	28000400	PERIMETER EROSION BARRIER	FOOT	400	0	52	348
	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	964	0	125	839
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	26	0	0	26
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	9.76	0	5.12	5
	40600982	HOT-MIX ASPHALT SURFACE COURSE REMOVAL - BUTT JOINT	SQ YD	532	0	0	532
	40603080	HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3151	0	1500	1651
	40603305	HOT MIX ASPHALT SURFACE SOURSE, MIX "C", N30	TON	1119	0	740	379
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	188	0	75	113
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	0	0
	50300225	CONCRETE STRUCTURES	CU YD	25.1	25	0	0
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	153.5	154	0	0
	50300260	BRIDGE DECK GROOVING	SQ YD	222	222	0	0
	50300300	PROTECTIVE COAT	SQ YD	242	242	0	0
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6595	6595	0	0
	50700305	HARDWARE	POUND	3084	3084	0	0
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	20,320	20320	0	0
	50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	87	87	0	0
	51201005	FURNISHING METAL SHELL PILES 12"	FOOT	583	583	0	0
	51203200	TEST PILE METAL SHELLS	EACH	1	1	0	0
	51500100	NAME PLATES	EACH	1	1	0	0
	542D0220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	84	0	0	84
	542D0223	PIPE CULVERTS, CLASS D, TYPE 1, 18"	FOOT	250	0	250	0
	542A0241	PIPE CULVERTS, CLASS A, TYPE 1, 36"	FOOT	115	0	0	115
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	940	0	940	0
△	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	550	0	550	0
△	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	0	4	0
△ *	63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	3	0	3	0
△ *	63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	1	0	1	0
*	63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	414	0	414	0
△	78001100	PAINT PAVEMENT MARKINGS - LETTERS AND SYMBOLS	SQ FT	54.2	0	10	44
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4268	0	555	3713
△	78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	754	0	0	754
△	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	43	0	0	43
△	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	78	0	0	78
△ *	78200455	BIDIRECTIONAL GUARD RAIL REFLECTORS	EACH	12	0	12	0
△ *	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	0	4	0
*	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	3550	3550	0	0
	51202305	DRIVING PILES 1	FOOT	583	583		

△ SPECIALTY ITEMS

Revised 8-27-07 1

QUANTITY NOTES:
*SEE SPECIAL PROVISIONS
PERIMETER EROSION BARRIER IS AN ESTIMATED QUANTITY. LOCATIONS ARE TO BE DESIGNATED IN THE FIELD BY THE ENGINEER.

SUMMARY OF QUANTITIES
SECTION 04-00206-00-BR
CHERRY VALLEY ROAD
DEKALB COUNTY

FAS ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
—	*	DEKALB	21	15

ILLINOIS PROJECT BRS-1122(107)

* 04-00206-00-BR
CONTRACT NO. 87316

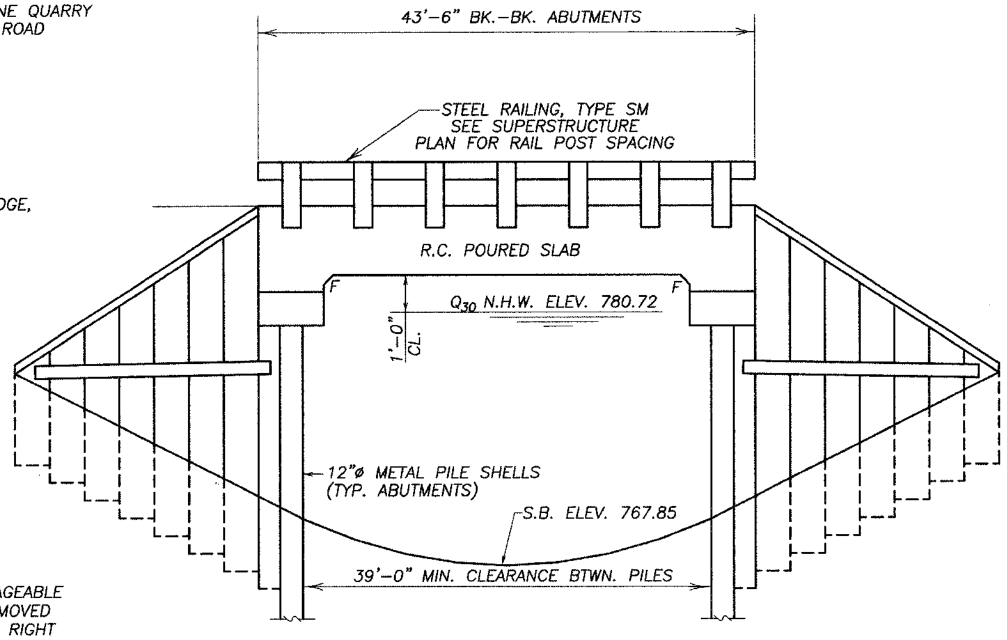
BR. SHEET 1 OF 6

B.M. #1 COTTON SPINDEL IN FIRST POWER POLE (±39') WEST OF STONE QUARRY ROAD AND CHERRY VALLEY ROAD INTERSECTION. ELEV. 780.14

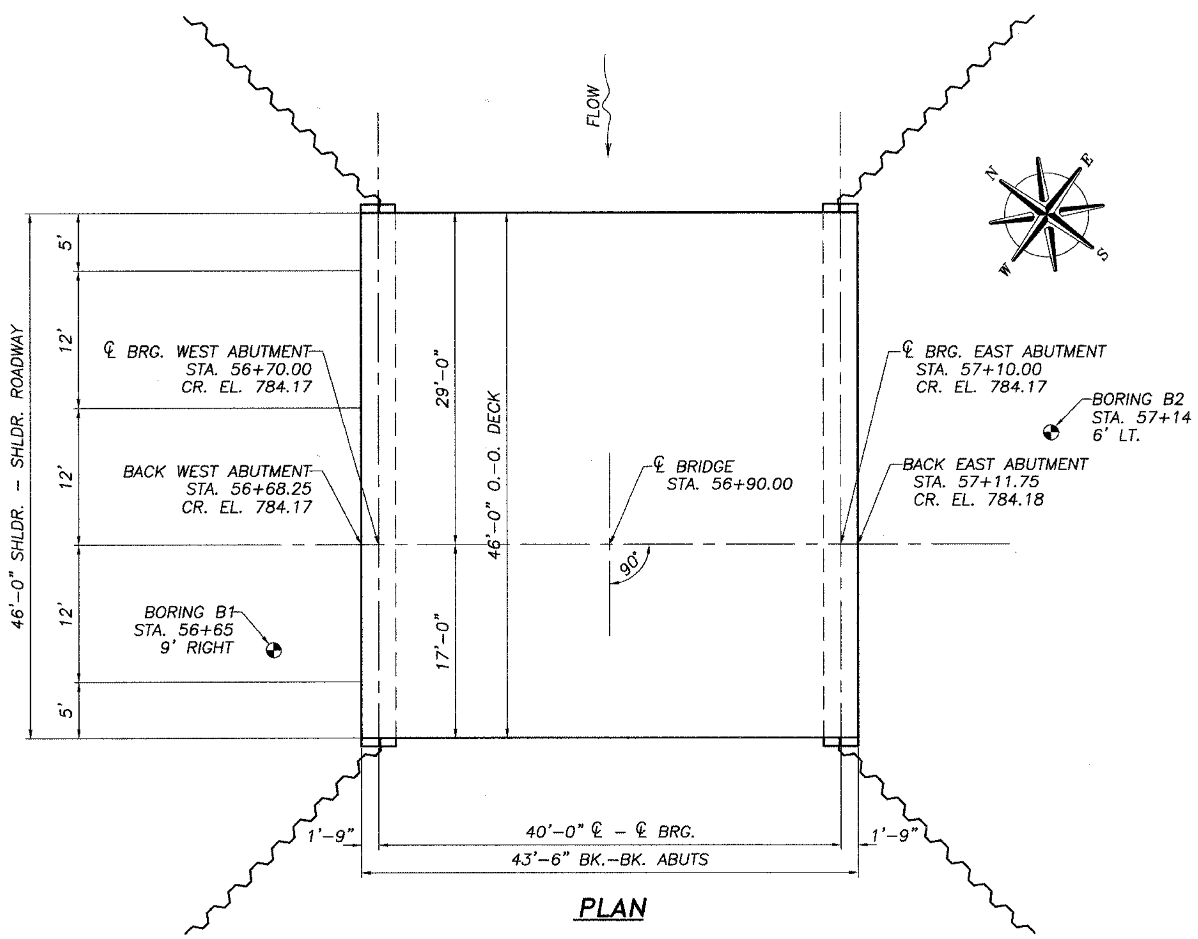
B.M. #2 CHISELED SQUARE TOP OF NORTHEAST WINGWALL OF EXISTING BRIDGE. ELEV. 784.51

B.M. #3 COTTON SPINDEL IN FIRST POWER POLE WEST OF BRIDGE, ELEV. 782.90

SALVAGE : ALL ITEMS DEEMED SALVAGEABLE SHALL BE CAREFULLY REMOVED AND STOCKPILED ON THE RIGHT OF WAY FOR THE COUNTY TO PICK UP.



ELEVATION



PLAN

GENERAL NOTES

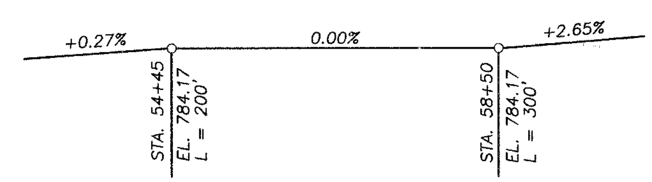
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.

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

THE ¾" STRUCTURAL STEEL PLATES AT EACH END OF THE DECK ARE INCLUDED FOR PAYMENT PER POUND OF FURNISHING AND ERECTING STRUCTURAL STEEL. AFTER FABRICATION, ALL SURFACES OF THE STEEL PLATES SHALL BE GIVEN ONE SHOP COAT OF PAINT SPECIFIED FOR STRUCTURAL STEEL.

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 REMAINDER OF PILES.

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



GRADE PROFILE

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

(Revised 8-27-07 1)

WATERWAY INFORMATION

DRAINAGE AREA= 11.67 SQ.MI. LOW GRADE ELEV. 783.81 AT STA. 53+50

FLOOD	FREQ. YR.	Q. C.F.S.	OPENING SQ. FT. EXIST.	OPENING SQ. FT. PROP.	NAT. H.W.E.	HEAD-FT. EXIST.	HEAD-FT. PROP.	HEADWATER EL. EXIST.	HEADWATER EL. PROP.
DESIGN	30	2912	386	515	780.02	1.41	0.70	781.43	780.72
BASE	100	3850	441	555	780.54	3.46	3.24	784.00	783.78
MAX. CALC.	500	5050	441	555	781.12	2.88	2.88	784.00	784.00

DESIGN STRESSES

f'c = 3500 P.S.I.

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

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

STATE OF ILLINOIS
RICHARD A. BAUMANN
6732
LICENSED PROFESSIONAL ENGINEER

7-25-07
LICENSE EXPIRES: 11-30-08

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