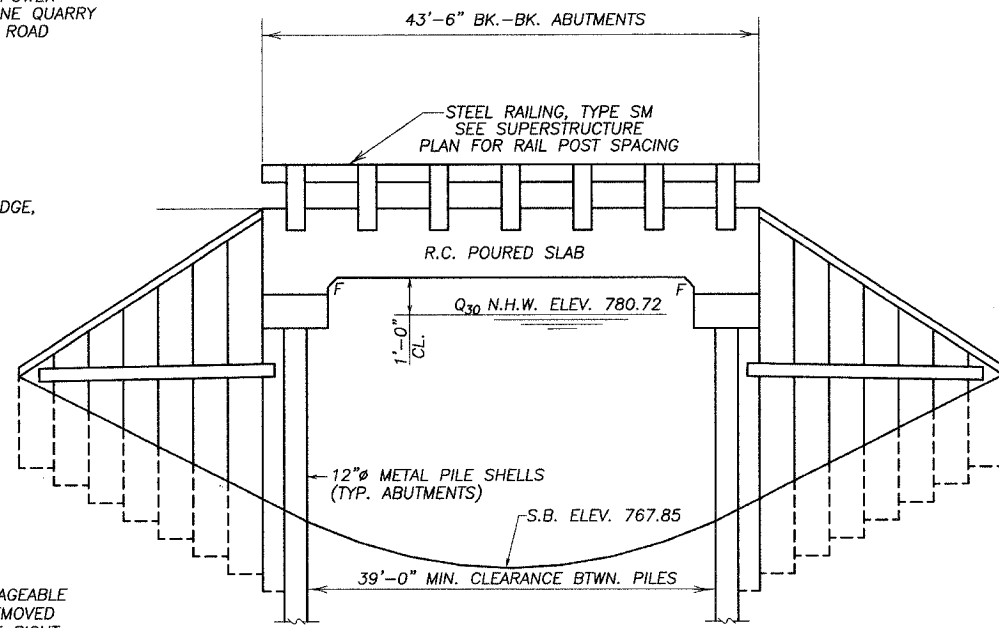


B.M. #1 COTTON SPINDEL IN FIRST POWER POLE (±39') WEST OF STONE QUARRY ROAD AND CHERRY VALLEY ROAD INTERSECTION. ELEV. 780.14

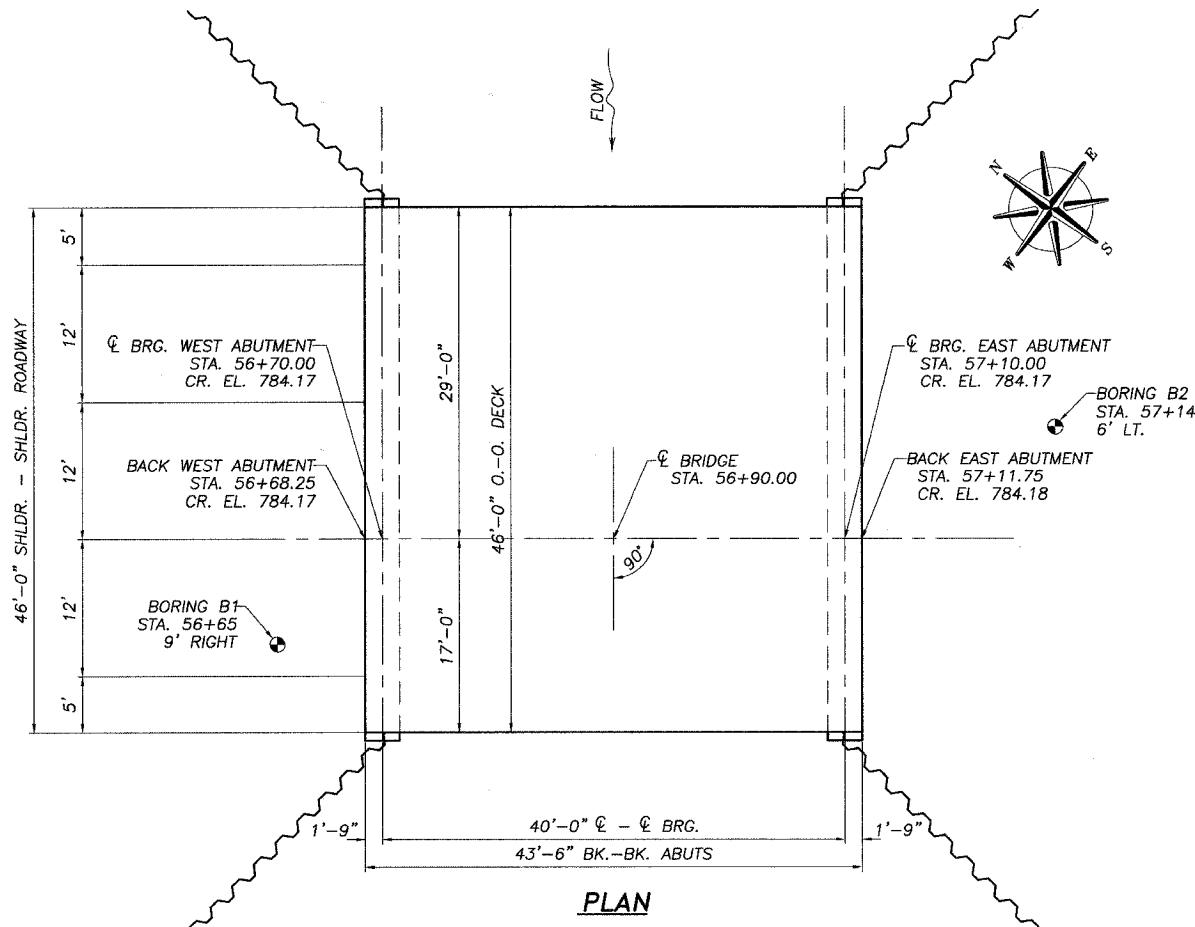
B.M. #2 CHISELED SQUARE TOP OF NORTHEAST WINGWALL OF EXISTING BRIDGE. ELEV. 784.51

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

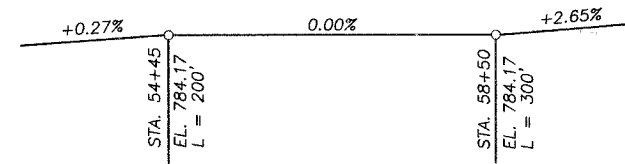


**ELEVATION**

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



**PLAN**



**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*

**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.		NAT. H.W.E.	HEAD-FT.		HEADWATER EL.	
			EXIST.	PROP.		EXIST.	PROP.	EXIST.	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)

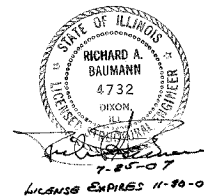
DESIGN SPECIFICATIONS 2002 AASHTO (ALLOWED FOR 25 P.S.F. FOR FUTURE WEARING SURFACE.)

**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



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**