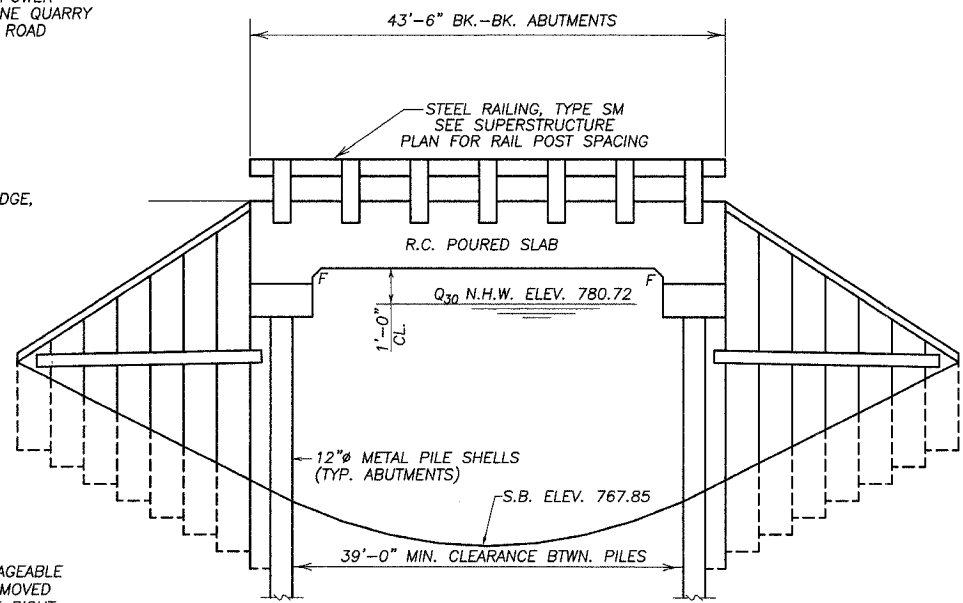


B.M. #1 COTTON SPINDEL IN FIRST POWER POLE (±39') WEST OF STONE QUARRY ROAD AND CHERRY VALLEY ROAD INTERSECTION. ELEV. 780.14

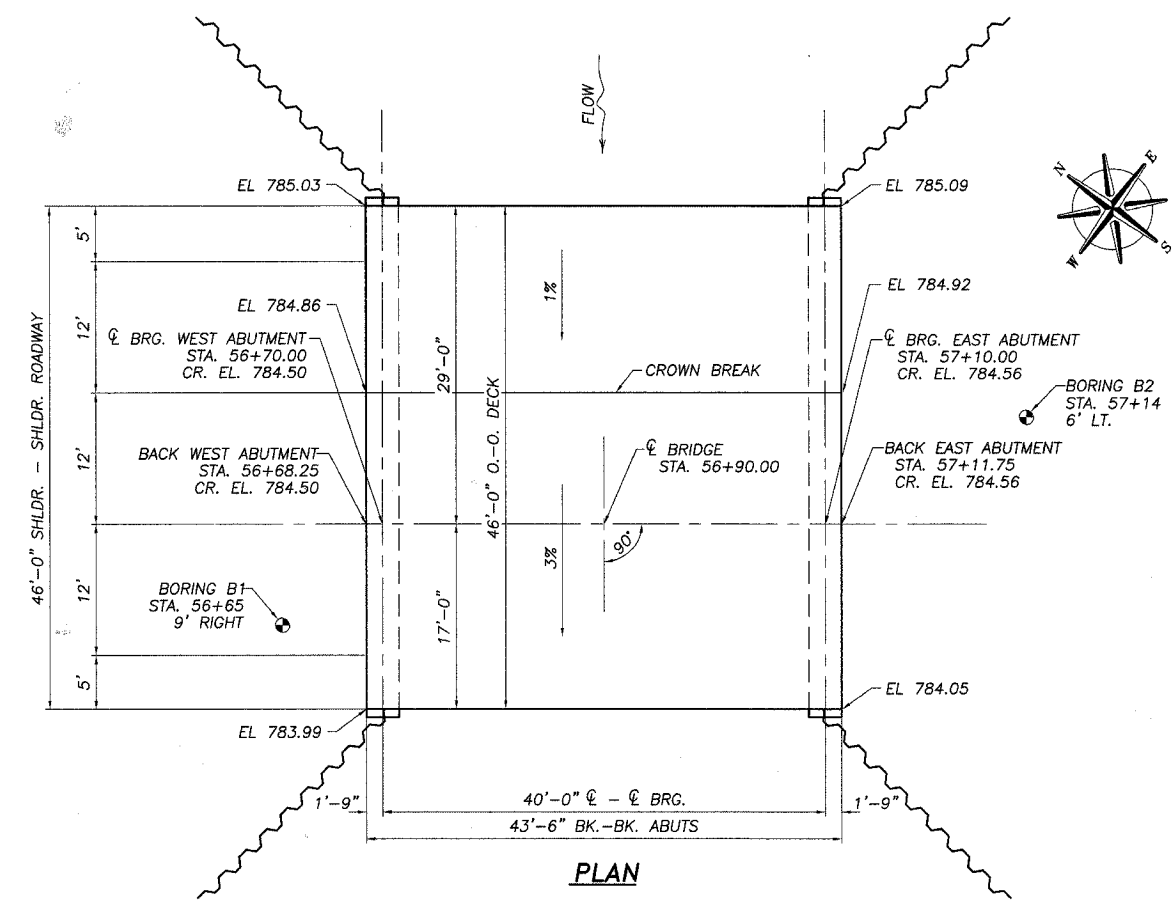
B.M. #2 CHISELED SQUARE TOP OF NORTHEAST WINGWALL OF EXISTING BRIDGE. ELEV. 784.51

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

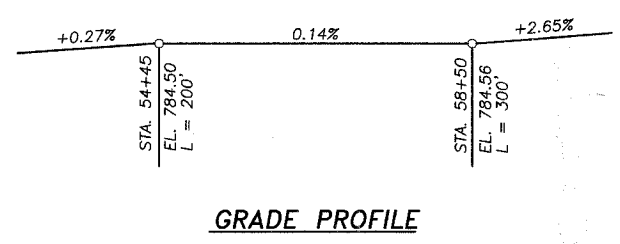
WATERWAY INFORMATION

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

DESIGN SPECIFICATIONS 2002 AASHTO (ALLOWED FOR 25 P.S.F. FOR FUTURE WEARING SURFACE.)
LOADING HS 20-44

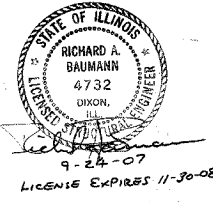


GRADE PROFILE

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



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 3/4" STRUCTURAL STEEL PLATES AT EACH END OF THE DECK ARE INCLUDED FOR PAYMENT PER POUND OF FURNISHING AND ERECTING STRUCTURAL STEEL. AFTER FABRICATION, ALL 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.

BILL OF MATERIAL

BRIDGE

ITEM	UNIT	SUPERSTR.	SUBSTR.	TOTAL
CONCRETE SUPERSTRUCTURES	CU. YD.	152.6		152.6
CONCRETE STRUCTURES	CU. YD.		25.4	25.4
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	FOOT		583	583

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**