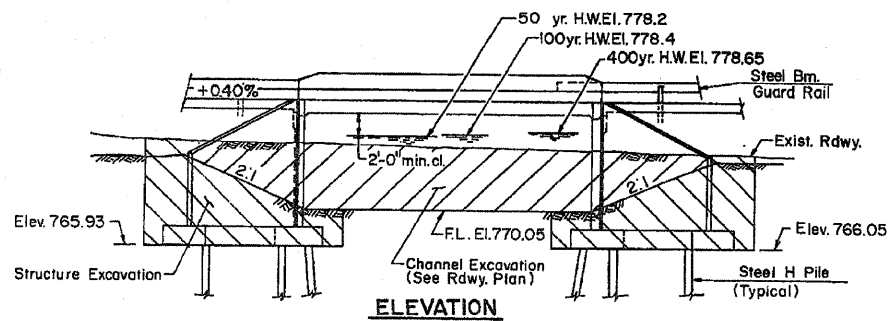
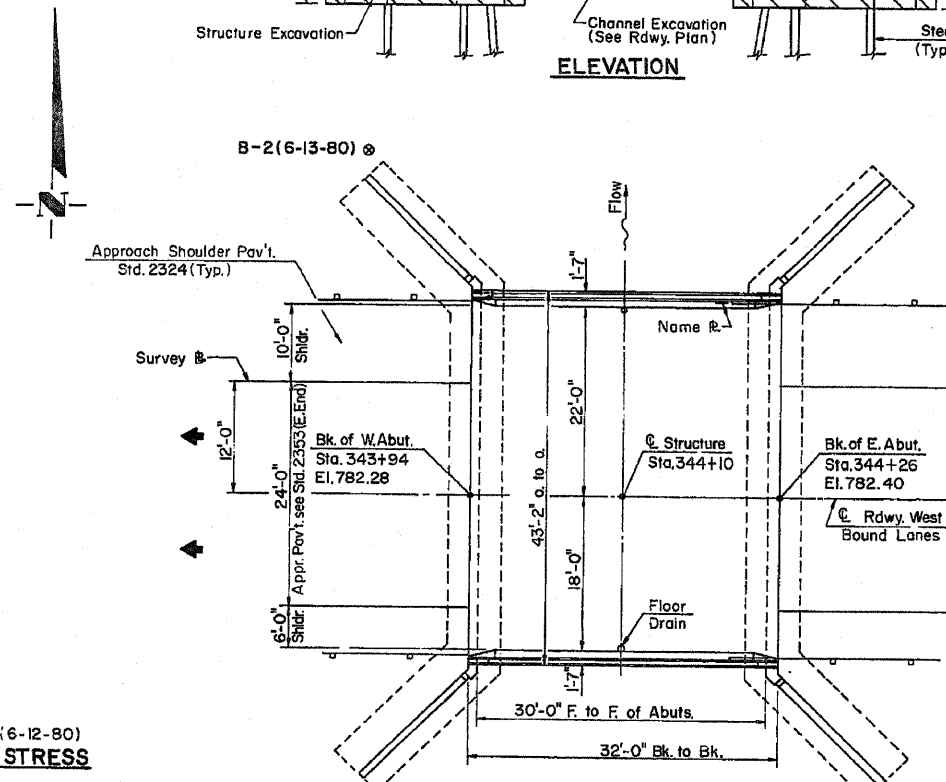


B.M. No. 2 - Chiseled "D" on the N.W. Wingwall of East Bound Lane Bridge, Elev. 782.62.
Existing Structure: R.C. deck slab with Closed concrete abutments, at Sta. 343+69, one span at 20'-0", Rdwy. width = 30'-0". To be removed. Concrete shall be removed to Elev. 768.0. No salvage.
 Traffic to be detoured to East Bound Lanes of F.A. Rt. 401 during construction.
 Existing Structure Number 089-0012

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 401	18 BR-1	STEPHENSON	30	11
FED. ROAD DIST. NO. 7			ILLINOIS PROJECT	
SHEET 1 OF 4				

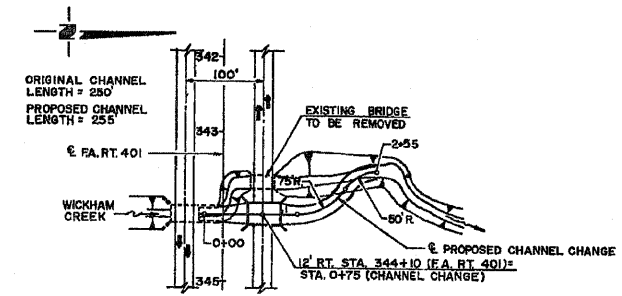


ELEVATION

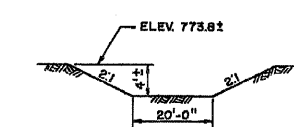


PLAN

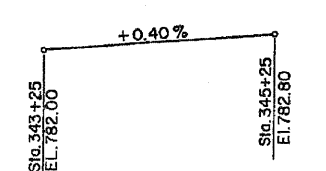
⊙ B-1 (6-12-80)
DESIGN STRESS
 f_c = 3500 psi
 f_y = 60,000 psi
 n = 9.0
 Loading HS 20-44
 Allow 25% d for future W.S.
 Design Specifications: 1977 AASHTO
 Specs. 8, 1978, 1979, 1980 & 1981
 Interim Specs.
 Fatigue life over 2 x 10⁶ Cycles



PLAN CHANNEL CHANGE



PROPOSED CHANNEL SECTION

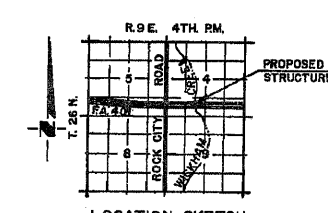


PROFILE GRADE

STATION 344+10
 BUILT 1983 BY
 STATE OF ILLINOIS
 F.A. RT. 401 SEC. 18 BR-1
 PROJ. MABR-F-401-2101
 LOADING HS 20
 STR. NO. #

NAME PLATE
 (Standard 2113)

* Structure number to be provided by the District.



LOCATION SKETCH

GENERAL NOTES

- See Proposal for Boring Data.
- Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.
- Backfill shall be placed behind the abutment after the superstructure has been poured and the falsework removed. See Article 502.11 of the Std. Specifications.
- The back face of Closed Abutments & Wing Walls shall be waterproofed according to Article 503.11 of the Standard Specifications.
- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.
- The contractor shall drive one (1) Steel (HP 8x36) test pile in a permanent location at the West Abut. as directed by the Engineer before ordering the remainder of piles.
- Bars indicated thus 3l x 3-#5 etc., indicates 3l lines with 3 length per line.
- See Special Provisions for location of Permanent Bench Mark.

TOTAL BILL OF MATERIALS

Item	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yds.		270	270
Protective Coat	Sq. Yds.	168		168
Class X Concrete	Cu. Yds.	85.3	151.6	236.9
Reinforcement Bars	Lbs.	10,750	12,880	23,630
Reinforcement Bars (Epoxy Coated)	Lbs.	2830		2830
Name Plates	Each			1
Steel Piles (HP 8x36)	Lin. Ft.		705	705
Test Piles, Steel (HP 8x36)	Each			1
Permanent Bench Marks (Type I)	Each			1

WATERWAY INFORMATION

WEST BOUND LANES

Drainage Area = 2.84 mi. Low Grade Elev.: 780.02 (Prop.), 776.6 (Exist.)

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	50	1086	90	245	778.2'	0.12	0.87	778.32	779.07
Base	100	1253	90	251	778.4'	0.14	1.10	778.54	779.50
Overtopping	400	1585		260	778.65		1.63		780.28
Max. Calc.	500								

EAST BOUND LANES

Drainage Area = 2.84 mi. Low Grade Elev.: 781.90

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	50	1086	165	182	778.5	2.23	2.65	780.73	781.15
Base	100	1253	169	182	778.7	2.87	3.07	781.57	781.77
Overtopping	400								
Max. Calc.	500								

FOR INFORMATION ONLY

APPROVED
 [Signature]
 Illinois Structural No. 2919
 PROJ MABR-F-401-2(0)
 F.A. RT. 401 OVER WICKHAM CREEK
 GENERAL PLAN & ELEVATION
 F.A. RT. 401 SEC. 18 BR-1
 STEPHENSON COUNTY
 STA. 344+10
 MTA, INCORPORATED
 DESIGNED W.H. DRAWN R.H.H. CHECKED [Signature] DATE 3-3-83 NO. 02002

FILE NAME =	USER NAME = lmkdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Bridge Plan and Elevation	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\BR\CADD plans\Stephenson County\0890054\PLANeng.dgn		DRAWN -	REVISED -			301	(18BR-1M)	Stephenson	13	11
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64G83				
PLOT DATE = Wed Dec 08 08:59:54 2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				