

Existing Structure: SN 098-0003 to be removed. Originally built in 1924 as Route 5813 Section 11 B. Single span, prestressed concrete box beam with closed abutments on pile supported footings. 47'-4" Bk. to Bk. abutments. Superstructure was replaced and widened in 1971.

Benchmark: Chiseled "□" at Southwest Corner of Bridge Deck of S.N. 098-0003. Elev. = 580.79

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

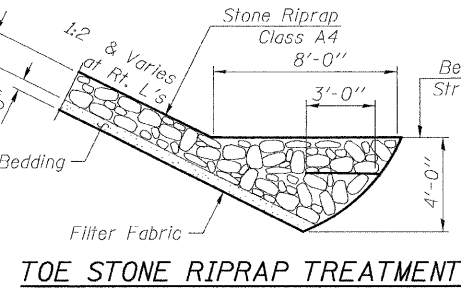
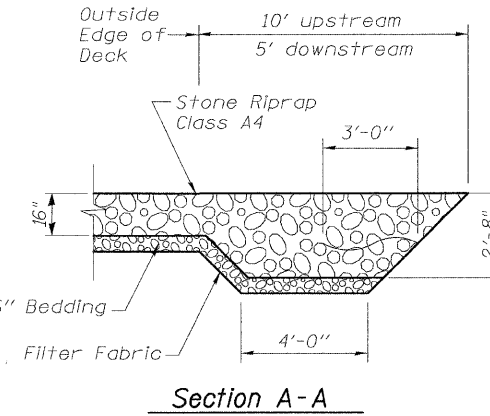
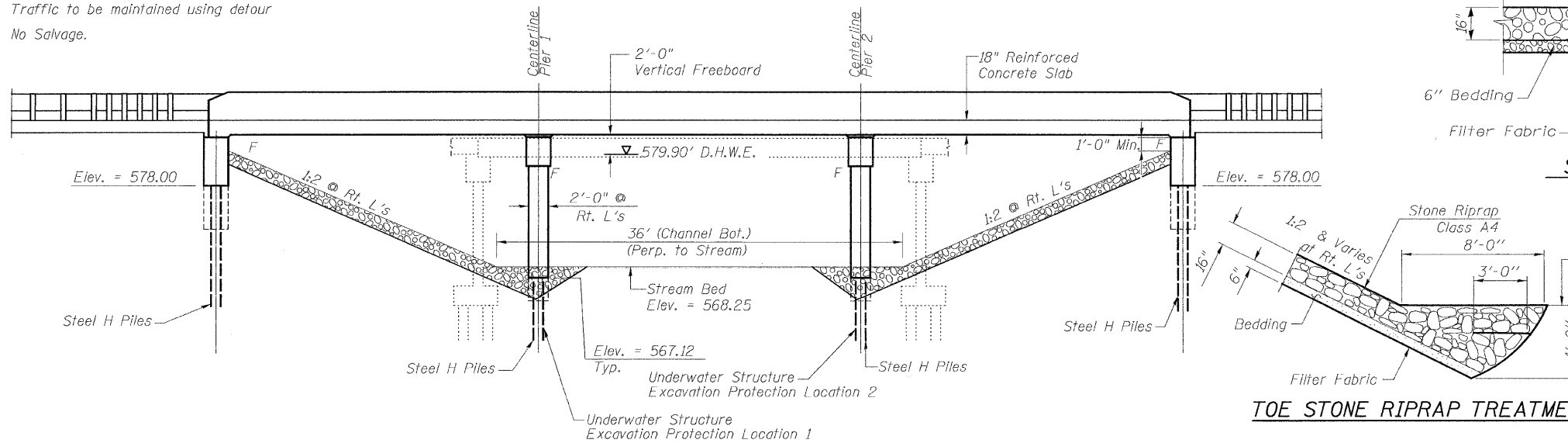
SHEET #1 OF  
11 SHEETS

ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL
FAS 203	11BR-1	WHITESIDE & ROCK ISLAND	12	43
FED. ROAD DIST. NO. 3		ILLINOIS	FED. AID PROJECT-	

CONTRACT #64939

Contractor shall remove existing structure as required and replace with a 3 span reinforced concrete slab bridge on pile bent piers and integral abutments.

Traffic to be maintained using detour  
No Salvage.



INDEX OF SHEETS

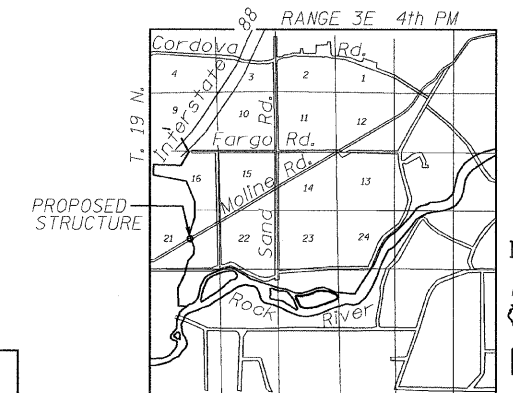
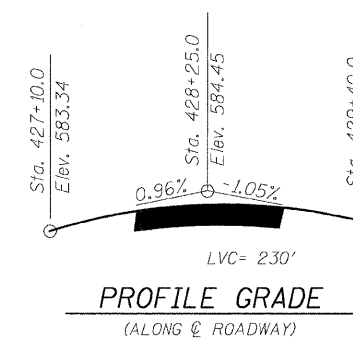
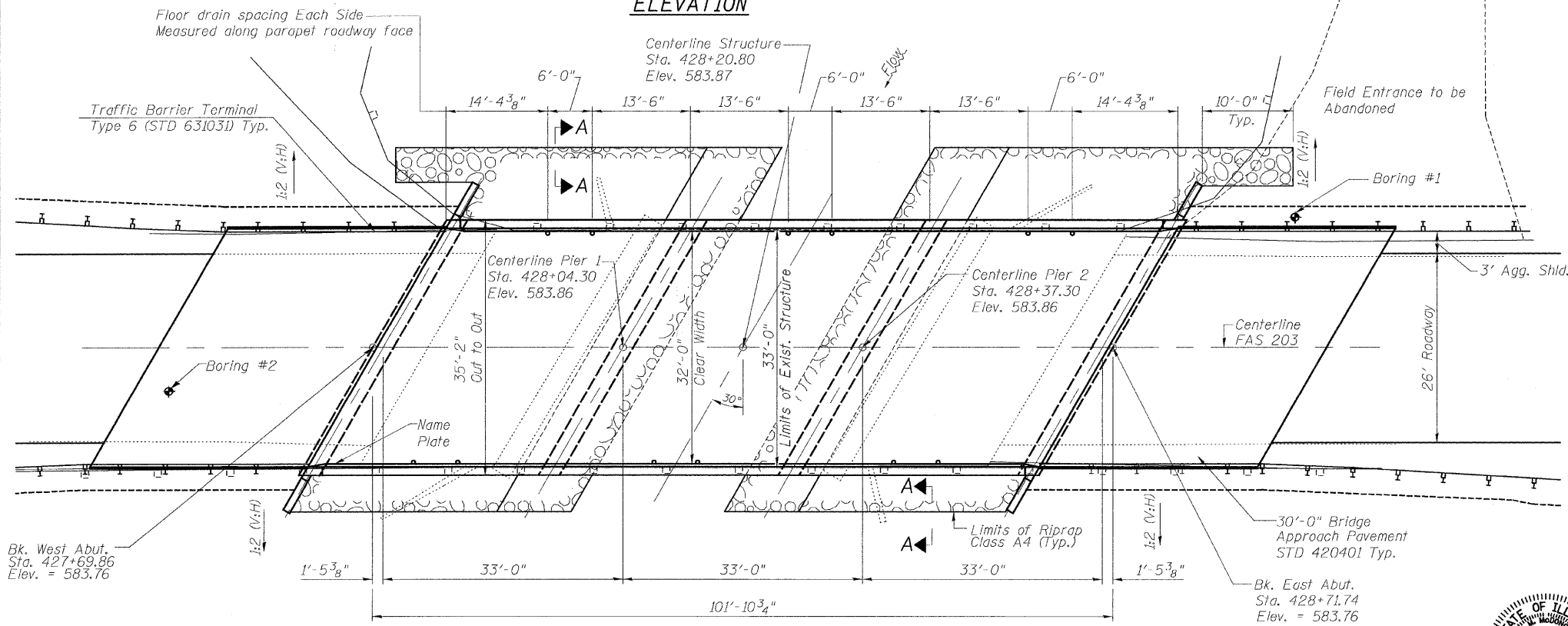
1. GENERAL PLAN AND ELEVATION
2. FOUNDATION PLAN
3. DECK ELEVATIONS
4. SUPERSTRUCTURE PLAN
5. SUPERSTRUCTURE DETAILS
6. SUPERSTRUCTURE DETAILS
7. PILE BENT ABUTMENT
8. PILE BENT PIER
9. BAR SPLICER DETAILS
10. BORING LOGS
11. BORING LOGS

WATERWAY INFORMATION

DRAINAGE AREA = 90.4 SQ. MI. LOW GRADE ELEV. = 581.2 (Exist./Prop.) @ Sta. 424+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.
	10	1635	360	517	578.2	0.2	0.4	578.4	578.6
Design	50	2247	410	646	579.9	0.7	0.4	580.6	580.3
Overtop (E)	90	2400	410	-	580.3	0.9	-	581.2	-
Base	100	2482	410	685	580.4	1.0	0.5	581.4	580.9
Overtop (P)	250	2700	-	717	580.8	-	0.4	-	581.2
Max. Calc.	500	3016	410	772	581.5	1.3	0.3	582.8	581.8

10 year velocity through existing bridge = 4.5 fps  
10 year velocity through prop. bridge = 3.2 fps



PROFILE GRADE  
(ALONG E ROADWAY)

STATION 428+20.80  
BUILT 200 BY  
STATE OF ILLINOIS  
F.A. RT. 203 SEC. 11BR-1  
LOADING HS20  
STR. NO. 098-0111

NAME PLATE

Locate Name Plate at Southwest Corner of Bridge See Std. 515001

GENERAL PLAN AND ELEVATION  
FAS ROUTE 203 (MOLINE ROAD)  
OVER MEREDOSIA DITCH  
SECTION 11BR-1  
STA. 428+20.80  
WHITESIDE & ROCK ISLAND COUNTIES  
SN 098-0111

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinforcement)

SEISMIC DATA

S.P.C. A  
A = 0.04  
S = 1.0

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES



Toni M. McDonough  
License Expires 11/30/08  
Date 11-7-07