Existing Structure: SN 098-0003 to be removed. Originally built in 1924 as Route SBI3 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.

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.

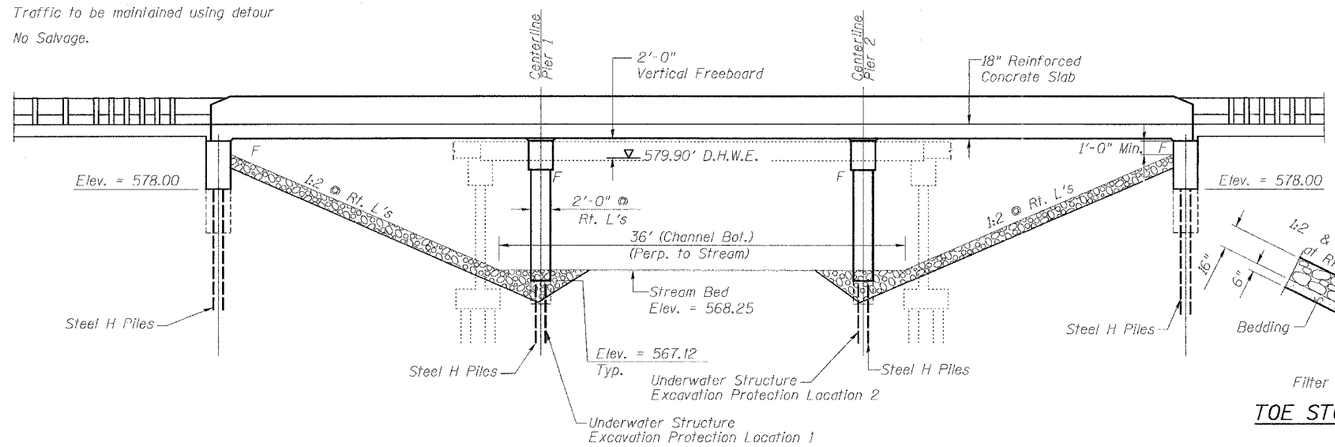
Benchmark: Chiseled "□" at Southwest Corner of Bridge Deck of S.N. 098-0003. Elev. = 580.79

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

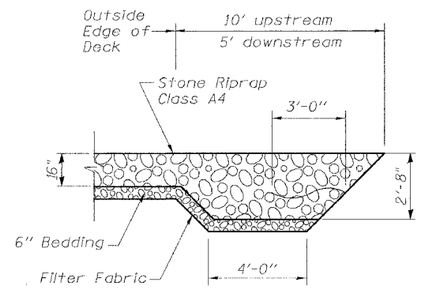
SHEET #1 OF 11 SHEETS

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

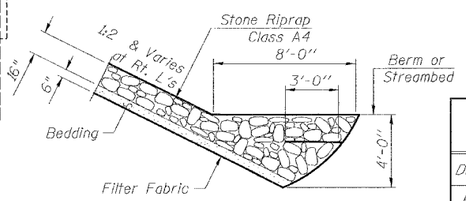
CONTRACT #64939



ELEVATION



Section A-A



TOE STONE RIPRAP TREATMENT

INDEX OF SHEETS

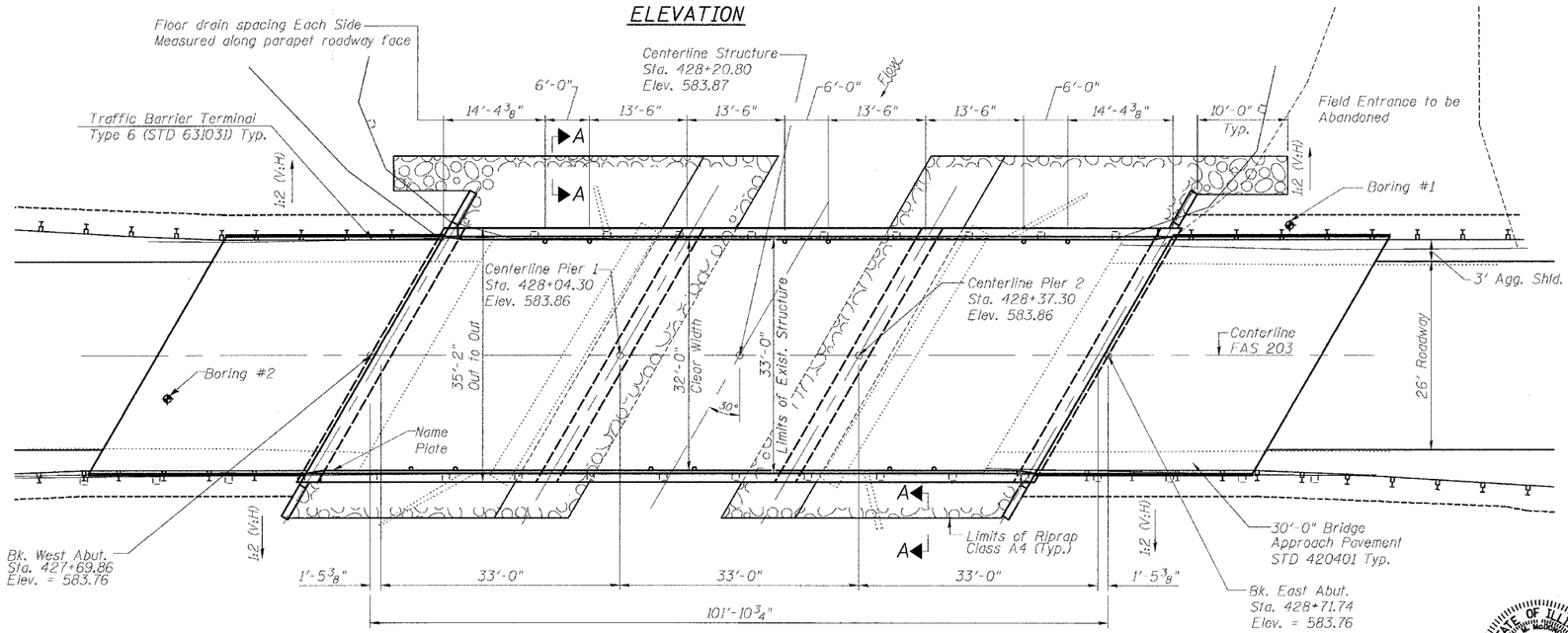
1. GENERAL PLAN AND ELEVATION
2. FOUNDATION PLAN
3. DECK ELEVATIONS
4. SUPERSTRUCTURE PLAN
5. SUPERSTRUCTURE DETAILS
6. SUPERSTRUCTURE DETAILS
7. PILE BENT ABUTMENT
8. PILE BENT PIER
9. BAR SPLICER DETAILS
10. BORING LOGS
11. BORING LOGS

WATERWAY INFORMATION

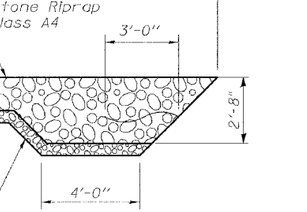
DRAINAGE AREA= 90.4 SQ. MI. LOW GRADE ELEV.= 581.2 (Exist./Prop.) @ Sta. 424+50

Flood	FREQ. YR.	Q C.F.S.	OPENING SQ. FT. EXIST.	OPENING SQ. FT. PROP.	NAT. H.W.E.	HEAD - FT. EXIST.	HEAD - FT. PROP.	HEADWATER EL. EXIST.	HEADWATER EL. 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

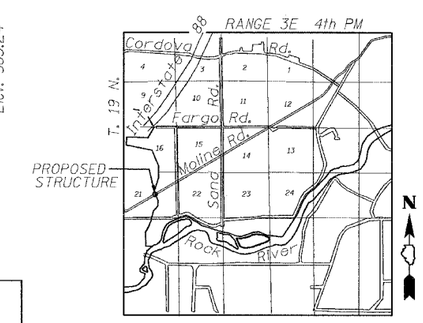


PLAN



PROFILE GRADE

(ALONG ℄ ROADWAY)



LOCATION SKETCH

DESIGNED	KCM
CHECKED	TMM
DRAWN	JLM
CHECKED	TMM

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

SEISMIC DATA

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

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
TONI M. McDONOUGH
81-5025
LICENSED STRUCTURAL ENGINEER

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

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