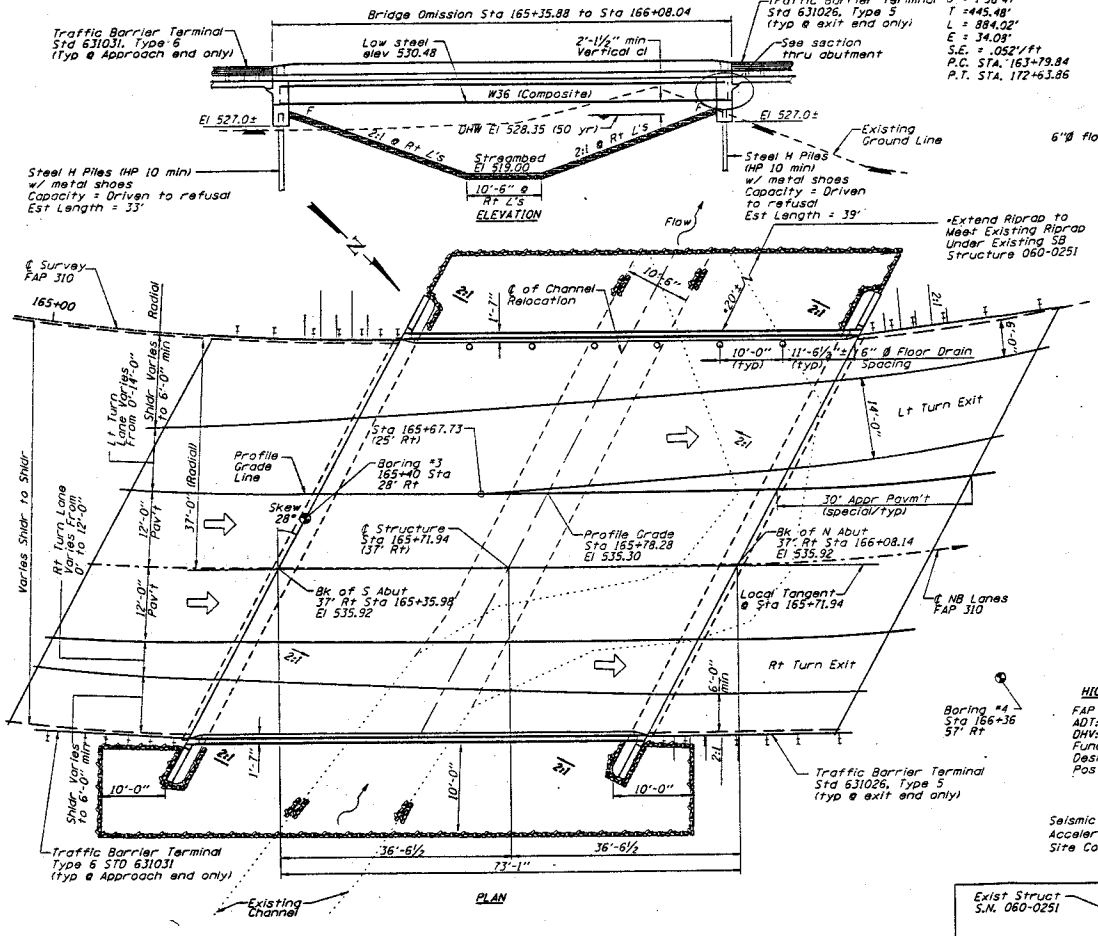
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-16 1B	MADISON		
STA. 165+40.22		TO STA. 165+71.94		
FED. ROAD DIST. NO. 9		ILLINOIS	FED. AID PROJECT	

Bench Mark: #102 Cut Square on Top of N.E. Wing Wall of Structure 060-0251 El 532.92

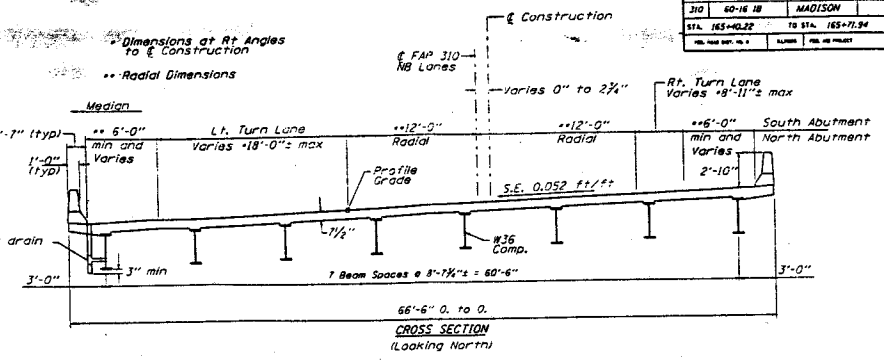
Existing Structure: None

HORIZONTAL CURVE DATA
℄ SURVEY (MEDIAN)
FAP 310 (US 67/IL 267)

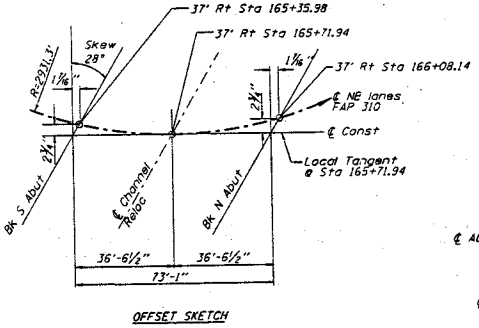
P.I. STA 168+25.32
Δ = 17°30'00" Lt
R = 2894.3'
D = 1°58'47"
T = 445.48'
L = 884.02'
E = 34.09'
S.E. = .052'/ft
P.C. STA. 163+79.84
P.T. STA. 172+63.86



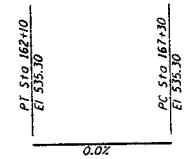
PLAN



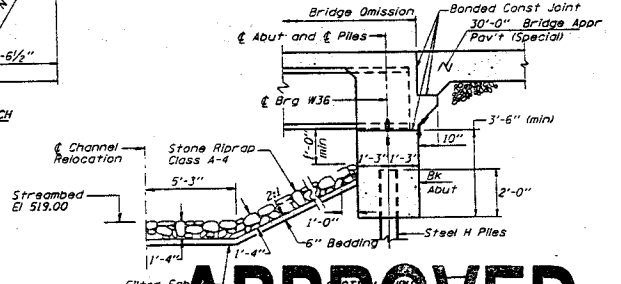
CROSS SECTION
(Looking North)



OFFSET SKETCH



PROFILE GRADE FOR NB LANES
(Applies @ Median Edge of Pav't)



HIGHWAY CLASSIFICATION

FAP 310 - U.S. Rte. 67
ADT: 11,500 (2000), 20,000 (2020)
DHV: 1,335 (2000), 2,320 (2020)
Functional Class: Expressway
Design Speed: 70 mi/h
Posted Speed 65 mi/h

SEISMIC DATA

Seismic Performance Category (SPC) = A
Acceleration Coefficient (A) = 0.075g
Site Coefficient (S) = 1.0

APPROVED

JAN 11 2001

AS A BASIS FOR PREPARATION OF DETAILED PLANS

WATERWAY INFORMATION

Drainage Area = 1.32 sq mi Low Grade El 535.30 @ Sta 162+22.5

Flood	Freq. Yr	Q cfs	Opening sq ft * Exist	Opening sq ft Prop	Nat HWE	Head - ft * Exist	Head - ft Prop	Headwater El * Exist	Headwater El Prop
Design	50	1381	NA	273.0	528.35	NA	0.49	NA	528.84
Base	100	1614	NA	295.5	528.81	NA	0.69	NA	529.49
Overtopping	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max Calc	500	2182	NA	344.5	529.76	NA	1.44	NA	531.20

* Downstream Bridge Constructed 1988. S.N. 060-0251

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, and 1999 Interims

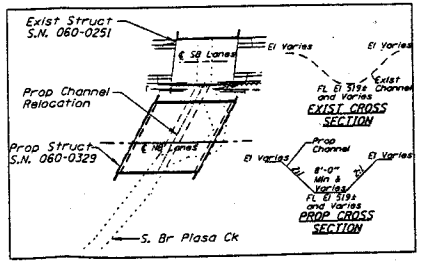
LOADING HS 20-44

Allow 50 lb/sf for Future Wearing Surface.

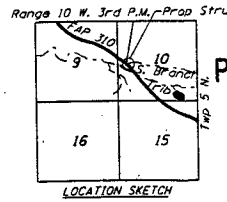
DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (Reinf)
f_y = 50,000 psi (M-270, Grade 50 Struct)



CHANNEL RELOCATION SKETCH



LOCATION SKETCH

GENERAL PLAN & ELEVATION
FAP 310 (US 67/IL 267) OVER
SOUTH BRANCH OF PIASA CREEK
SECTION 60-16 1B
MADISON COUNTY STA 165+71.94
SN 060-0329