APPROVED

FEB 15 2002

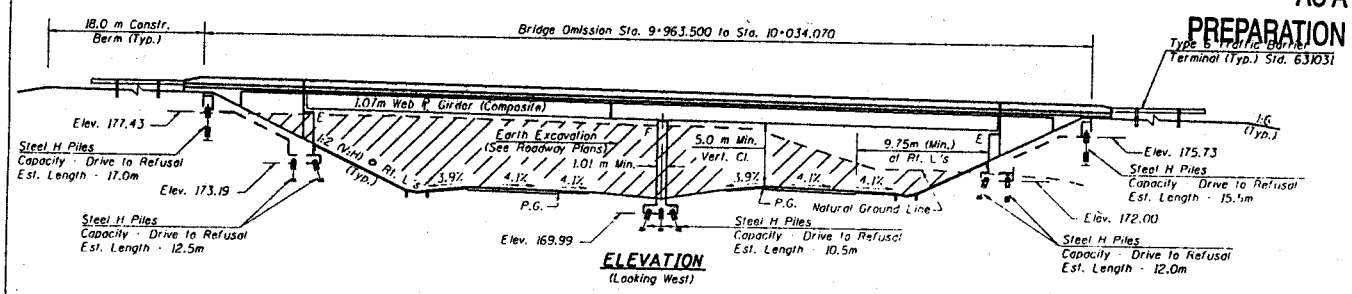
AS A BASIS FOR PREPARATION OF DETAILED PLANS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 310	60-15HB	MADISON	--	--
F.A.P. ROUTE REF. NO.		ILLINOIS	FED. AID PROJECT	

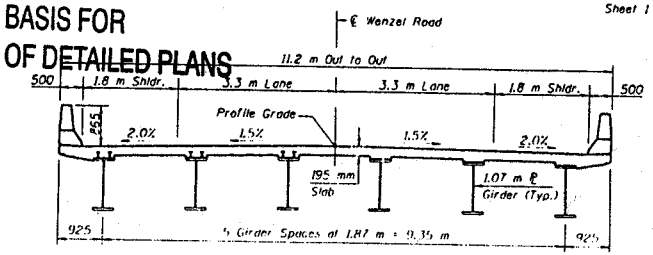
Sheet 1 of 2

Bench Mark: #3012 - R.R. Spike in Power Pole Located on North Side of Wenzel Road Near Private Drive Entrance. Mainline Sta. 36+396.7, 36.8 m LT. Elev. 177.508

Existing Structure: None

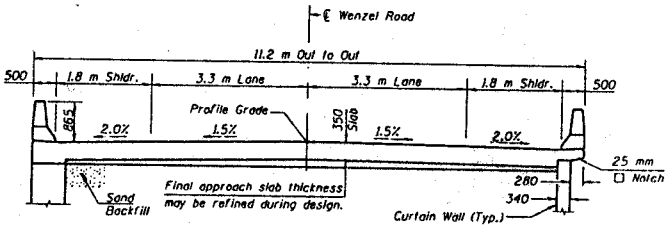


ELEVATION
(Looking West)



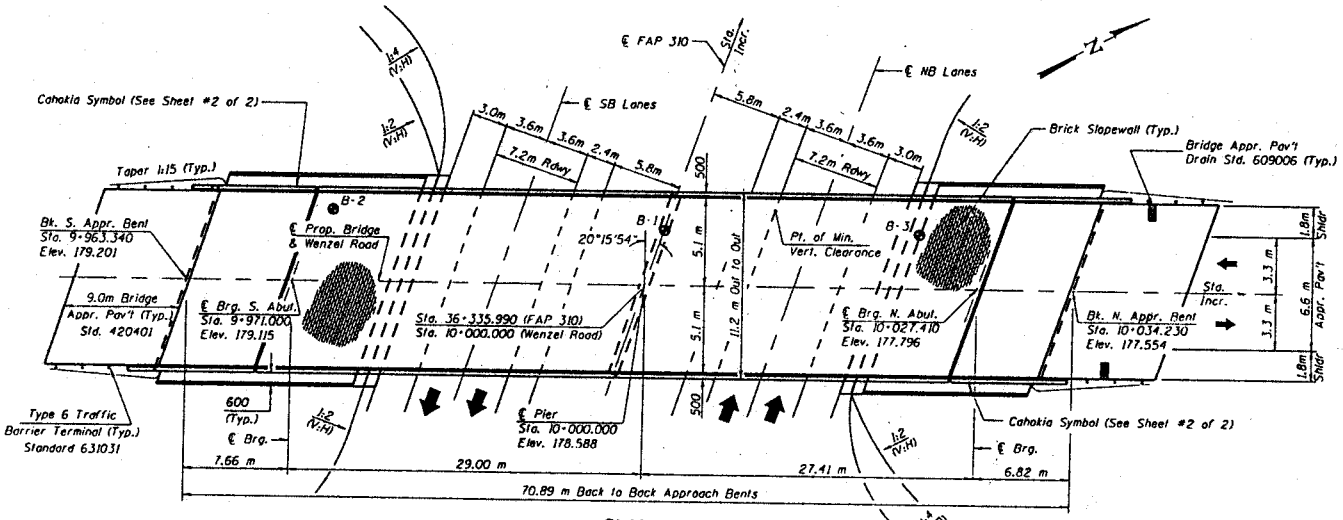
NEAR MIDSPAN NEAR PIER

CROSS SECTION-MAIN SPANS



NEAR APPROACH BENT NEAR ABUTMENT

CROSS SECTION-APPROACH SPANS



PLAN

Notes: All dimensions are in millimeters (mm) except as noted.

● - Indicates Boring

CURVE DATA (FAP 310)

PI STA. 36+194.086
Δ = 70°24'53" (RT)
T = 896.132 m
SE = 4.1%
R = 1,270.000 m
D = 4° 30' 41.32"
L = 1,560.792 m
E = 284.333 m
PC STA. 35+297.954
PT STA. 36+858.745

LOADING MS 18

Allow 2.4 kPa for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO Specifications with 1997, 1998, 1999 & 2000 Interims

SEISMIC DATA

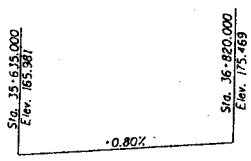
SPC = A
A = 0.080 g
S = 1.0

HIGHWAY CLASSIFICATION

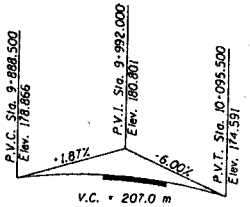
	F.A.P. 310	WENZEL ROAD
CLASS	Freeway	Local Road
ADT	15,000 (2004)	550 (2004)
	22,300 (2024)	675 (2024)
DESIGN SPEED	110 km/h	72 km/h
POSTED SPEED	105 km/h	N/A

DESIGN STRESSES

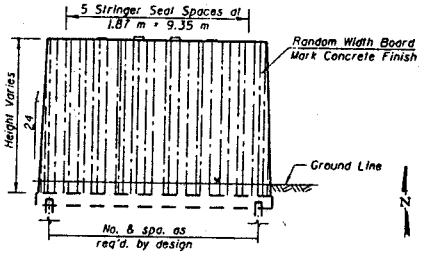
f'_c = 24 MPa
f_y = 400 MPa (Reinf.)
f_y = 345 MPa (Structural Steel)
f_y = 250 MPa (Structural Steel)



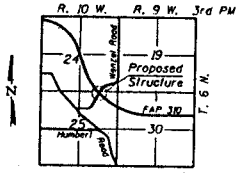
PROFILE GRADE
F.A.P. 310
(Along median edge of roadway)



PROFILE GRADE
WENZEL ROAD
(At ℄ of roadway)



PIER SKETCH



LOCATION SKETCH

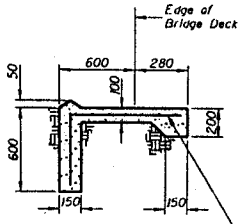
ILLINOIS DEPARTMENT OF TRANSPORTATION

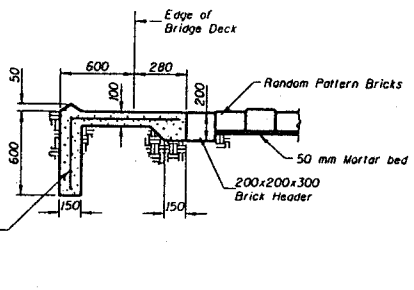
GENERAL PLAN
WENZEL ROAD OVER F.A.P. RTE 310
SECTION 60-15HB
MADISON COUNTY
STA. 36+335.990 (FAP 310)
STA. 10+000.000 (WENZEL ROAD)
STRUCTURE NO. 060-0306

REVISIONS	
NAME	DATE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 310	60-15HB	MADISON	--	--
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

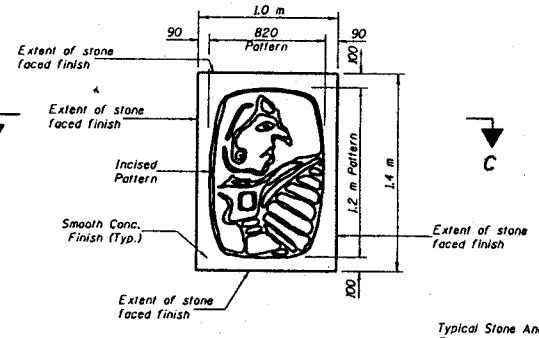
Sheet 2 of 2





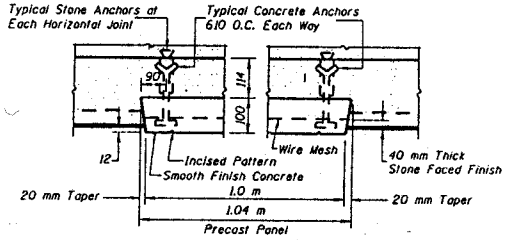
SECTION B-B

SECTION A-A



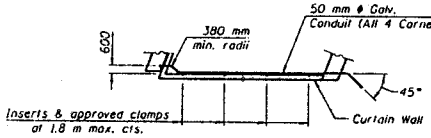
DETAIL CAHOKIA SYMBOL

For location see sheet #1 of 2
(2 Required)
(Cost included with Concrete Structures)



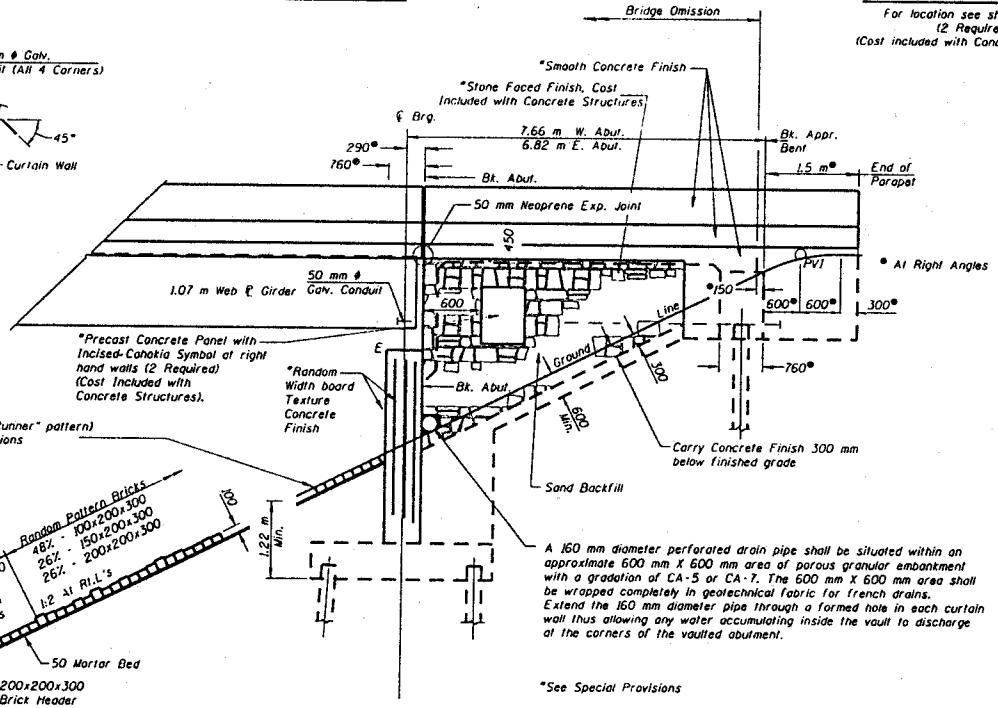
SECTION C-C

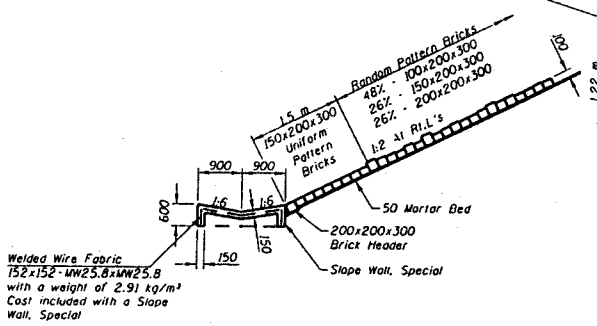
(At N.W. & S.E. Corners Only)



PARTIAL PLAN VIEW

Showing Electrical Conduit



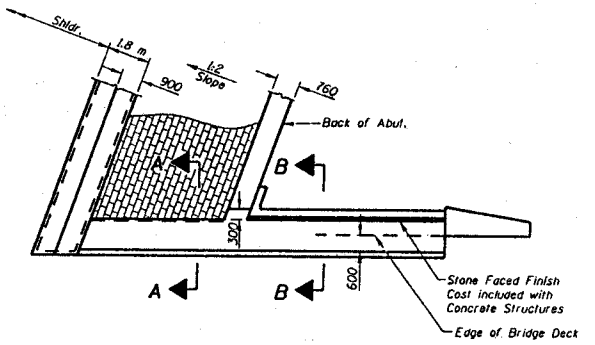


SLOPEWALL DETAIL

DETAIL OF VAULTED ABUTMENT

All dimensions are in millimeters except as noted.

Slopes indicated thus 1:6, etc. indicates V:H (Vertical to Horizontal).



SLOPEWALL PLAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
WENZEL ROAD OVER F.A.P. RTE 310
SECTION 60-15HB
MADISON COUNTY
STA. 36+335.990 (FAP 310)
STA. 10+000.000 (WENZEL ROAD)
STRUCTURE NO. 060-0306