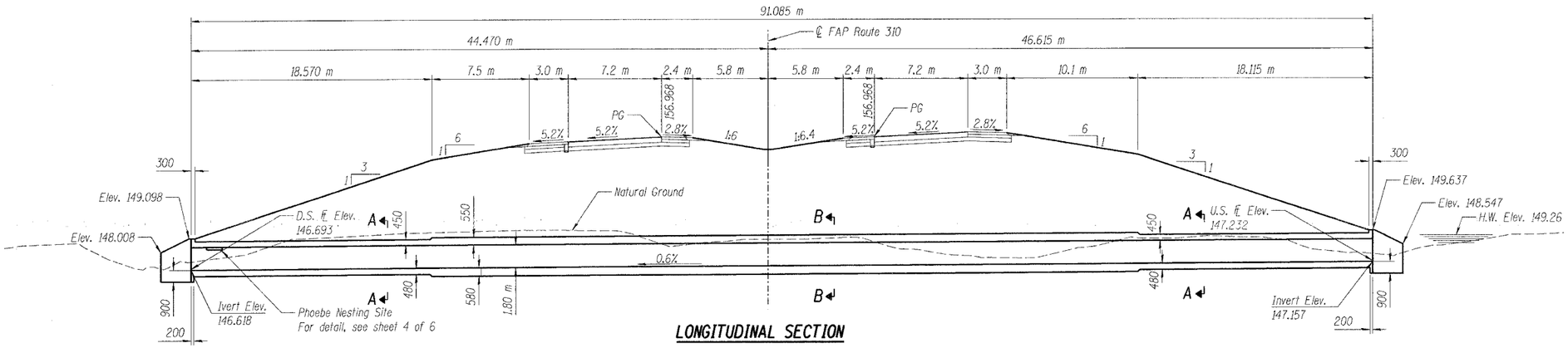
Bench Mark: #85-RR Spike in 1120 mm tree, Station 30+673.014, 142.0 m Lt., Elev. 158.216

Existing Structure: None

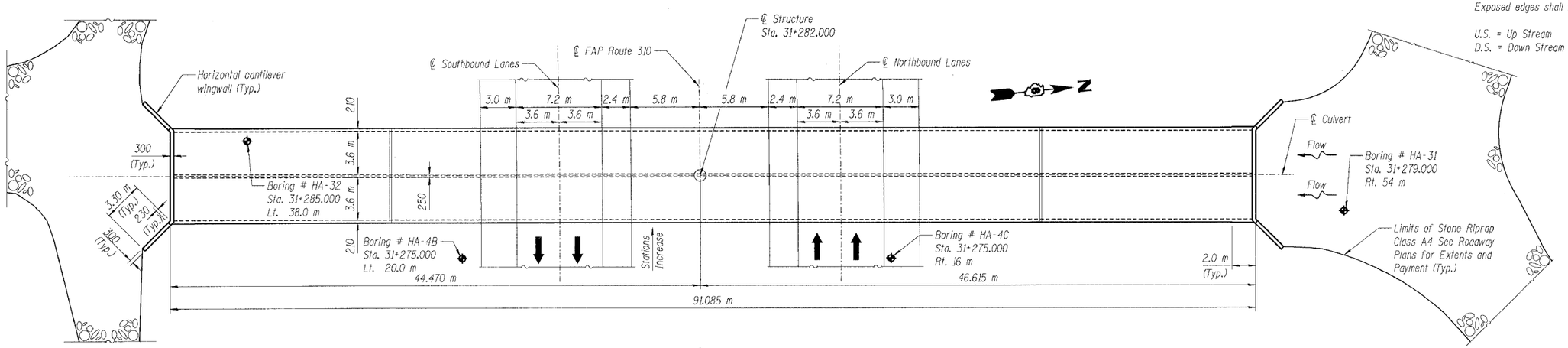
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-14-1B	MADISON	469	154
STA.	31+282.000	TO STA.		
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT-		

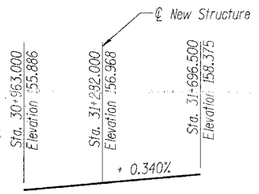
Sheet 1 of 6



LONGITUDINAL SECTION



PLAN



PROFILE GRADE

Along Median Edge

CURVE 71

PI Sta. 31+114.716
Δ = 26°33'36" (LT)
T = 206.520 m
R = 875.000 m
L = 405.616 m
E = 24.041 m
SE = 5.2%
PC Sta. 30+908.196
PT Sta. 31+313.812

STATION 31+282.000
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 310 SEC. 60-14-1B
F.A. PROJ.
LOADING MS18
STR. NO. 060-2044

NAME PLATE

See Std. 515001

WATERWAY INFORMATION

Drainage Area = 0.82 sq. km. Low Grade Elev. 156.775m @ Sta. 31+225.000

Flood	Freq. Yr.	Q (cms) Prop.	Opening (sq.m.) Exist.	Opening (sq.m.) Prop.	Nat. H.W.E.	Head - (m.) Exist.	Head - (m.) Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	16.70	n/a	12.96	149.26	n/a	0.16	n/a	149.42
Base	100	19.53	n/a	12.96	149.35	n/a	0.19	n/a	149.54
Overtopping	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Max. Calc.	500	26.89	n/a	12.96	149.51	n/a	0.10	n/a	149.61

DESIGNED	B.W.B.
CHECKED	M.A.A.
DRAWN	R.M.R.
CHECKED	B.S.C.

BILL OF MATERIAL

ITEM	UNITS	TOTAL
Concrete Box Culverts	m^3	876.7
Reinforcement Bars	kg	119143
Name Plates	Each	1

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M-31M, M-42M, or M-53M, Grade 420.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

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

Precast culvert alternate is not allowed.

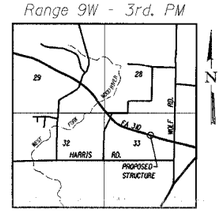
For backfilling and embankment see Standard Specifications.

Exposed edges shall have a 20 mm chamfer unless otherwise noted.

U.S. = Up Stream
D.S. = Down Stream

INDEX OF SHEETS

Range 9W - 3rd. PM



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999 & 2000 Interims

DESIGN STRESSES

FIELD UNITS
f'_c = 24 MPa
f_y = 420 MPa (reinforcement)

LOADING MS18

Allow 2.4 KN/m^2 for future wearing surface

ILLINOIS STRUCTURAL ENGINEER
MICHAEL A. AVELLANO
81-005084
BELLEVILLE
STATE OF ILLINOIS

Michael A. Avellano 5.4.06
Illinois Structural No. 081-005084 Date
Exp. 11/30/06

PLANS PREPARED BY:

WOOLPERT LLP
4315 North Illinois Street, Suite 1 C
Belleville, Il
62226-1045
618.277.7004
FAX: 618.277.6114
WOOLPERT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 310 OVER TRIBUTARY OF WEST FORK WOOD RIVER
SECTION 60-14-1B
MADISON COUNTY
STATION 31+282
STRUCTURE No. 060-2044
GENERAL PLAN & LONGITUDINAL SECTION