

4:11:53 PM

11/3/2008

BM 3023 - Chiseled "X" on west flange bolt of fire hydrant located on south side of IL 111 in front of Rister's Auto - IL 111 Sta 30+095.27 m Rt. Elev. 187.116

Existing Structure - None

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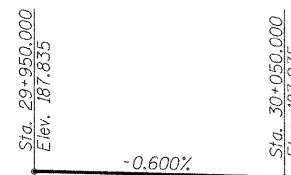
STATION 39+914.647
 BUILT 200_ BY
 STATE OF ILLINOIS
 F.A.P. RT. 310 SEC. 60-15HB-2

LOADING MS18
 STR. NO. 060-0330

NAME PLATE

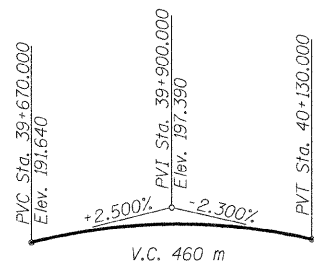
See Std. 515001 (2 Required)

(N.B. Bridge shown, S.B. Bridge same except Str. No. 060-0331)



IL 111 PROFILE

(Along Median Edge)



FAP 310 PROFILE

(Along Median Edge)

DESIGNED	ADL
CHECKED	WLW
DRAWN	DGM/ADL
CHECKED	WLW

KLINGNER & ASSOCIATES, P.C.

Engineers • Architects • Surveyors

605 North 24th Street, Aurora, IL Ph. (630) 222-2678 Fax (630) 222-2583
 4200 Pershing Road, Homewood, IL Ph. (708) 221-8820 Fax (708) 221-8822
 600 N. 4th Street, Suite 100, Arlington, IL Ph. (815) 753-6536 Fax (815) 752-5886
 45 North Prairie Street, Calumet, IL Ph. (815) 942-4842 Fax (815) 942-3781

Internet Address: www.klingner.com
 STATE OF ILLINOIS DESIGN FIRM # 1842738

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.080g
 Site Coefficient (S) = 1.0

DESIGN SPECIFICATIONS

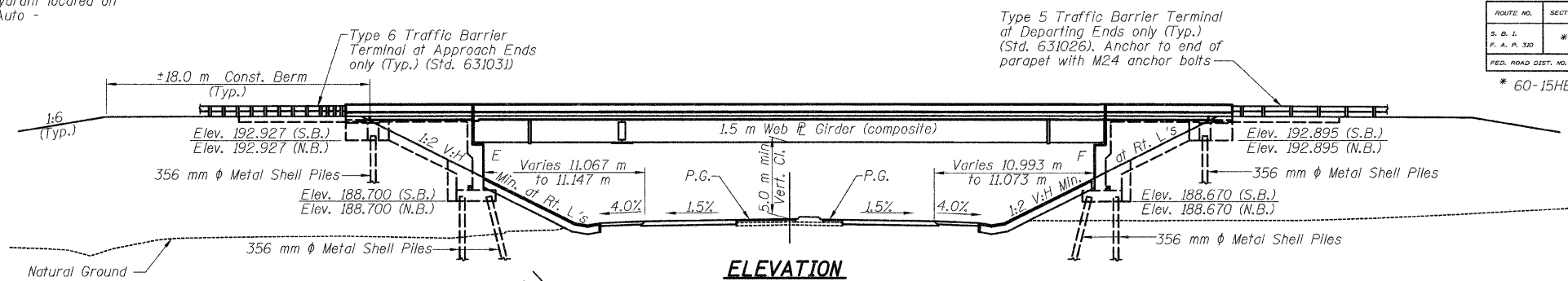
AASHTO 1996 with 1997, 1998, 1999 & 2000 Interims

LOADING MS18

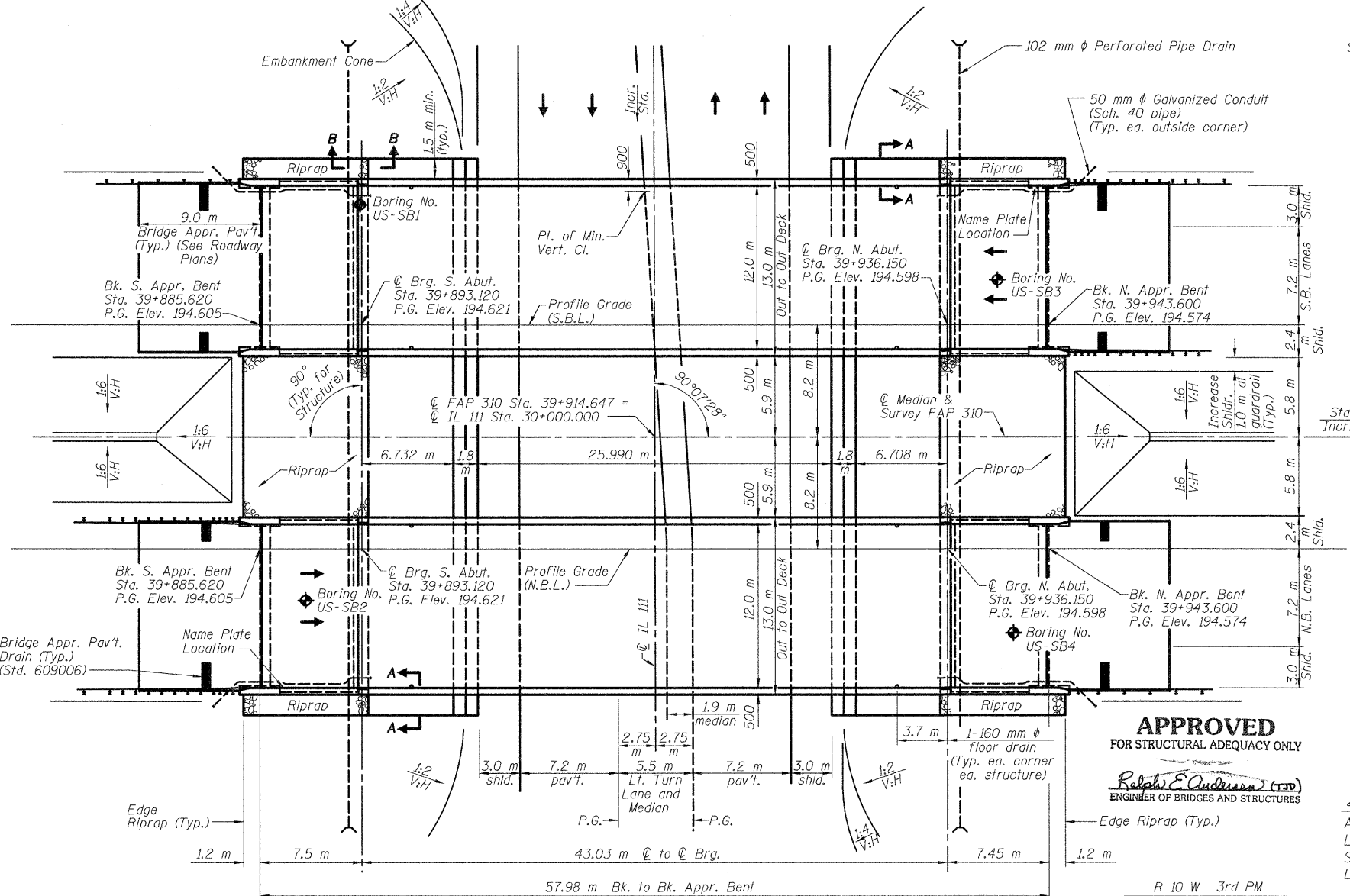
Allow 2.4 kN/m² for future wearing surface.

DESIGN STRESSES

FIELD UNITS
 f'c = 24 MPa
 fy = 400 MPa (reinf.)
 fy = 250 MPa (M270M Grade 250)
 fy = 345 MPa (M270M Grade 345)

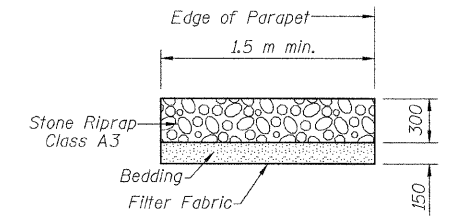


ELEVATION

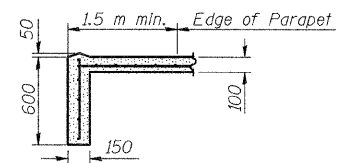


PLAN

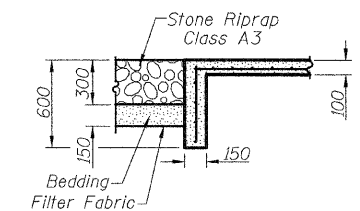
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. D. I. F. A. P. 310	*	MADISON	272	102
ILLINOIS FED. AID PROJECT				
* 60-15HB-2 CONTRACT NO. 76624				



RIPRAP DETAIL



SECTION A-A



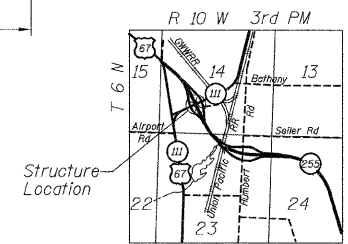
SECTION B-B BETWEEN RIPRAP AND CONCRETE SLOPEWALL



Alan D. Lukens 11-4-08 Date
 Licensed Structural Engineer
 State of Illinois No. 081-005167
 License Expires 11/30/10

APPROVED FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson (TS)
 ENGINEER OF BRIDGES AND STRUCTURES



LOCATION SKETCH

GENERAL PLAN
 FAP RTE. 310 (IL RTE 255) OVER
 IL RTE 111
 SECTION 60-15HB-2
 MADISON COUNTY
 STATION 39+914.647
 SN 060-0330 (NB) & 060-0331 (SB)

Klingner & Assoc., P.C.