

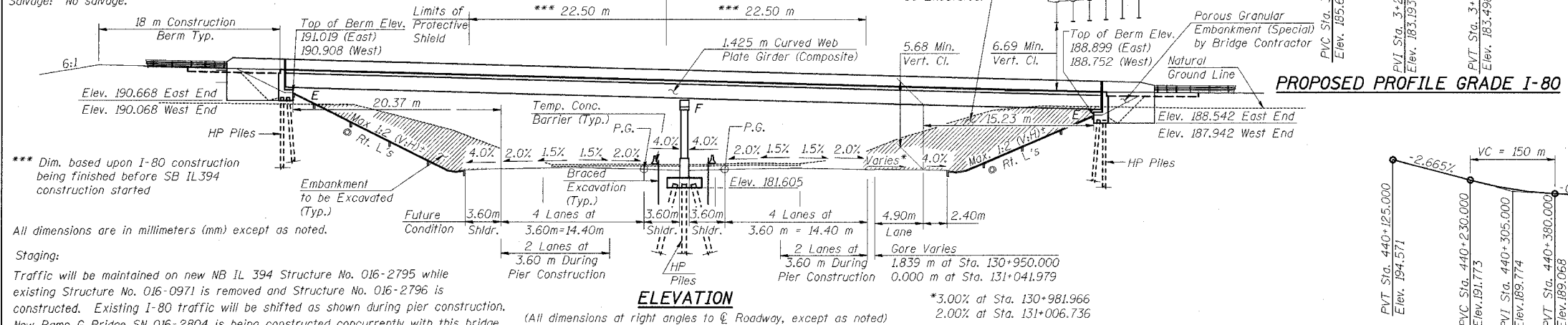
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Benchmark: BM ASC220 Square cut on southeast corner of NB IL 394 bridge over I-80. Elev. = 184.942

Existing Structure: S.N. 016-0971 four-span continuous 58.26 m Bk. to Bk. abutments, 15.60 m O. to O. R.C. deck supported by W760 steel stringers. Built as F.A. Route 122, Sec. 066-0303.6A-MFT at Station 32+47.94 (English) in 1952. Deck was rehabilitated in 1995.

Salvage: No salvage.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F. A. I. 80/94		COOK	90	3	29 SHEETS
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62898		



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

Staging:
Traffic will be maintained on new NB IL 394 Structure No. 016-2795 while existing Structure No. 016-0971 is removed and Structure No. 016-2796 is constructed. Existing I-80 traffic will be shifted as shown during pier construction. New Ramp G Bridge SN 016-2804 is being constructed concurrently with this bridge under a different construction contract. New Ramp J Bridge SN 016-2805 was constructed under a previous construction contract.

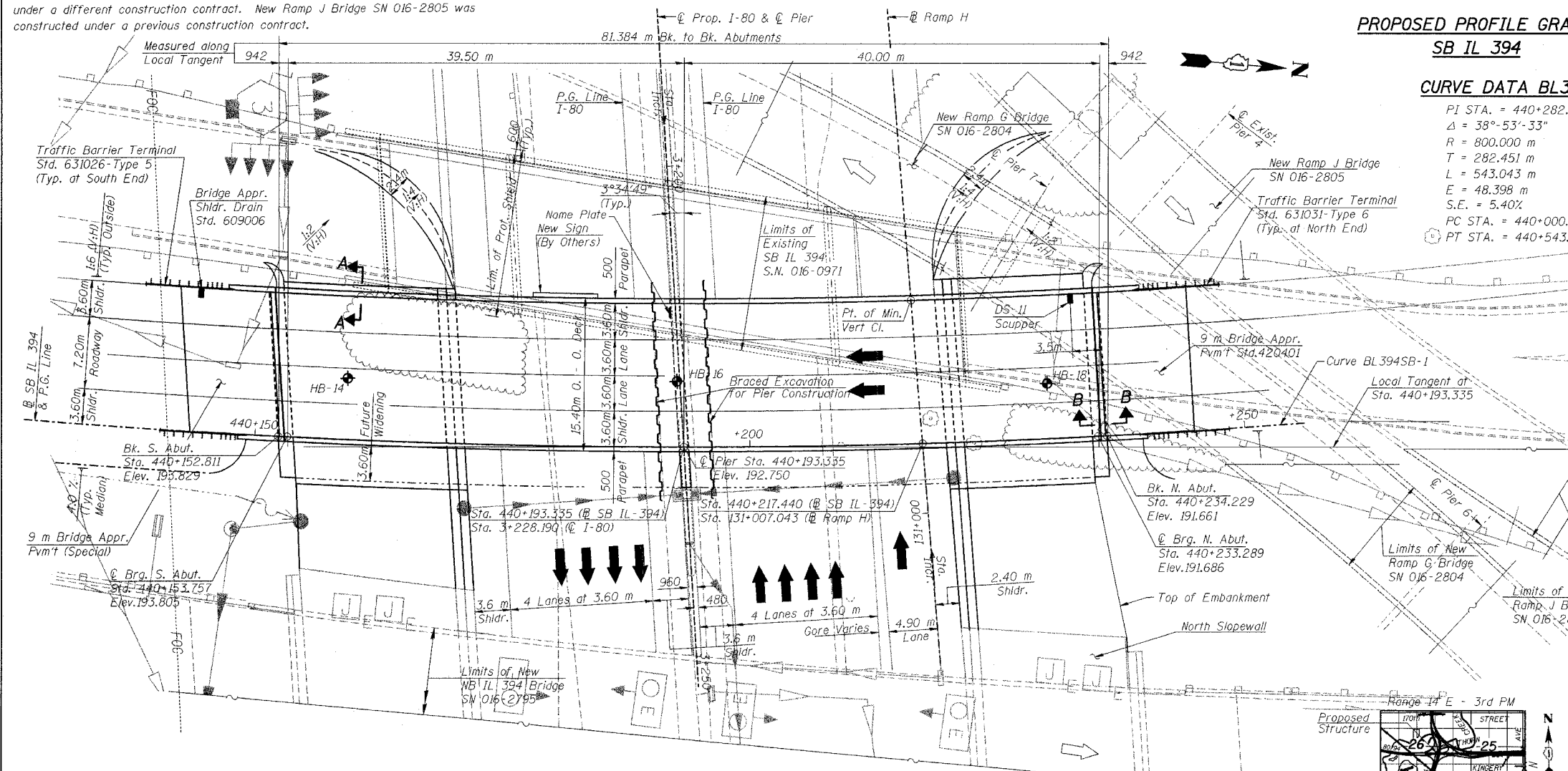
LOADING MS18
Allow 2.4 kN/m² for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO
2003 AASHTO Guide Specifications for Horizontally Curved Steel Girders Highway Bridges

DESIGN STRESSES

FIELD UNITS
f_c = 24 MPa
f_y = 400 MPa (reinforcement)
f_y = 345 MPa (structural steel) (M270 Grade 345)
f_y = 250 MPa (structural steel) (M270 Grade 250)

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = .04
Site Coefficient (S) = 1.0



LEGEND

- Boring
- Exist. Guardrail
- Exist. Tree
- Embankment Excavation
- Exist. Fiber Optic Cable
- Exist. Sewer **
- Exist. Manhole **
- Exist. Inlet **
- Proposed Sewer
- Proposed Inlet
- Proposed Catch Basin

** Existing Utilities are shown FOR STRUCTURAL ADEQUACY ONLY

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Philip C. Azzarello
ENGINEER OF BRIDGES AND STRUCTURES

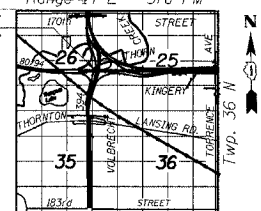


Philip C. Azzarello S.E.
Ill. Reg. No. 081-004245
Expires 11-30-06

NOTES:

- For Section A-A & B-B see Sht. No. 2 of 29.
- All work shown on this drawing not related to the fabrication of the structural steel and bearings is for information only.

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
GENERAL PLAN & ELEVATION
SB ILLINOIS ROUTE 394 OVER INTERSTATE 80
F.A.P. 332 SECTION 2004-133F
COOK COUNTY
STA. 440+193.335 STRUCTURE NO. 016-2796
DATE 05/16/05
SCALE



DESIGNED	JJK
CHECKED	PCA/DD
DRAWN	LK
CHECKED	MAS

PLAN
(Existing I-80 Traffic Configuration Not Shown)

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