Bench Mark: B.M. #494 - Chiseled square on top of Southwest wingwall Sta. 1470+12, 52' Lt. of IL-92, Elev. 583.66

Existing Structure: S.N. 081-0065 (SB) and S.N. 081-0066 (NB), Built as F.A. Route 199, Sec. I-HB-2 in 1963. Each Structure is three span, 140'-2" back to back of abutments, 36'-0" out to out, typical. Superstructure consists of R.C. deck on WF beams supported on double hammerhead piers and spill-through abutments. Structures to be removed and replaced. Traffic to be maintained utilizing crossovers.

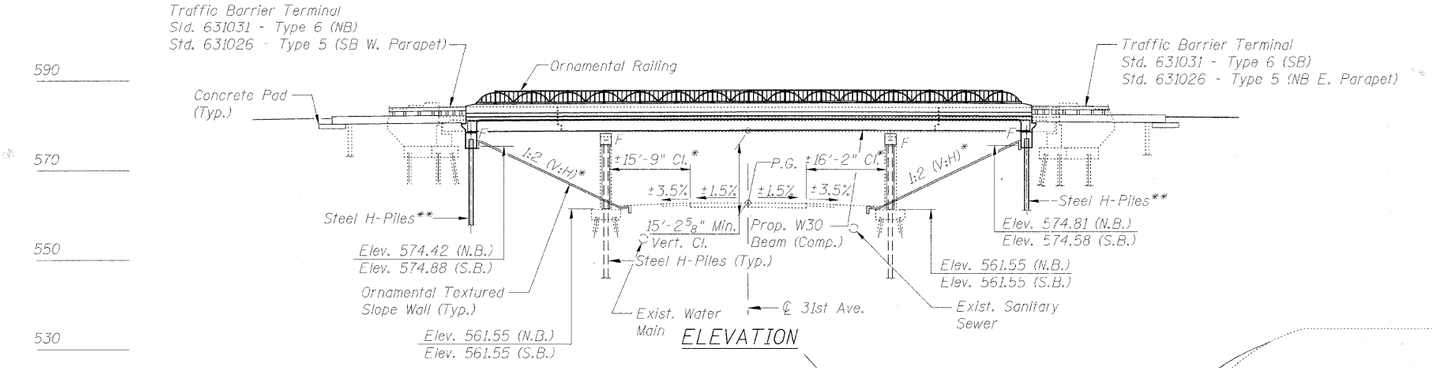
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 308	*	ROCK ISLAND	210	85
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
31 SHEETS

Contract #64814 * I(HB,HB-1,VB,HB-2)R

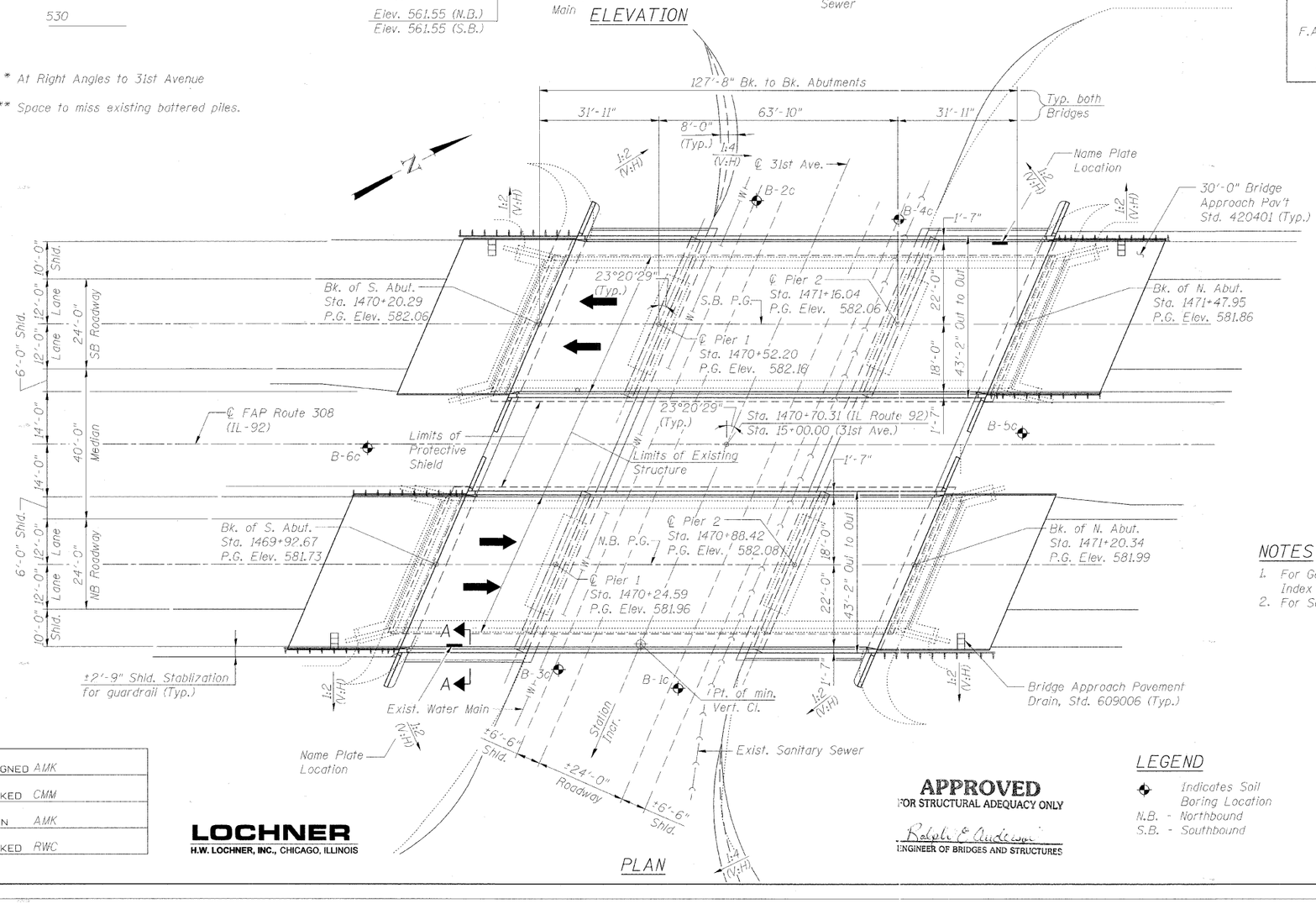
No Salvage



ELEVATION

* At Right Angles to 31st Avenue

** Space to miss existing battered piles.



PLAN

DESIGNED	AMK
CHECKED	CMM
DRAWN	AMK
CHECKED	RWC

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

LEGEND
- ◆ Indicates Soil Boring Location
- N.B. - Northbound
- S.B. - Southbound

STATION 1470+70.31
BUILT 20__ BY
STATE OF ILLINOIS
F.A. ROUTE 308 SEC. I(HB-2)R
LOADING HS20
STRUCTURE NO. 081-0172

NAME PLATE
(S.B. Bridge)
Refer to Std. 515001

STATION 1470+70.31
BUILT 20__ BY
STATE OF ILLINOIS
F.A. ROUTE 308 SEC. I(HB-2)R
LOADING HS20
STRUCTURE NO. 081-0173

NAME PLATE
(N.B. Bridge)
Refer to Std. 515001

STATE OF ILLINOIS
LICENSED STRUCTURAL ENGINEER
RICHARD W. CHOLEWA
081-004859
EXP. 11/30/08
CHICAGO, ILLINOIS
Richard W. Cholewa 12/6/07
SHEETS 1-19, 23-31

JAMES D. GALINSKY
LICENSED STRUCTURAL ENGINEER
081-005745
CHICAGO ILLINOIS
STATE OF ILLINOIS
12/5/07
James D. Galinsky
EXP. 11/30/08
SHEETS 20, 21, 32

NOTES
1. For General Notes, Bill of Materials and Index of Sheets see Sheet No. 2
2. For Section A-A see Sheet No. 3

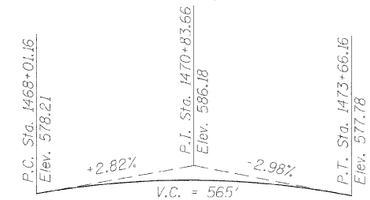
LOADING HS20-44
Allow 50#/sq. ft. for Future Wearing Surface.

DESIGN SPECIFICATIONS
2002 AASHTO - 17th Edition

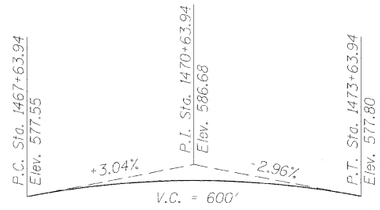
DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (Struct. Steel) (M270 Grade 50)

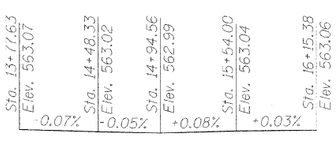
SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.034g
Site Coefficient (S) = 1.0



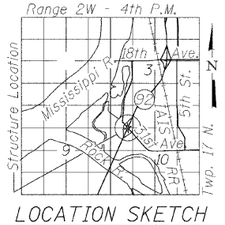
PROPOSED PROFILE GRADE
N.B. IL-ROUTE 92



PROPOSED PROFILE GRADE
S.B. IL-ROUTE 92



EXISTING PROFILE GRADE
31st AVENUE



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)
OVER 31st AVENUE
FAP ROUTE 308 SEC. I(HB-2)R
ROCK ISLAND COUNTY
STATION 1470+70.31
STRUCTURE NO. 081-0172 (SB)
STRUCTURE NO. 081-0173 (NB)

t:\2082\str_ruct\dgn\2044023GP1.dgn