

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
FAP 0525	6	WINNEBAGO	157	58
FED. ROAD DIST. NO. 7		SALINIS		FED. AID PROJECT
02-00518-00-BR				

Bench Mark: Standard tablet on top of the East end of the Northwest concrete wingwall of the Westbound Harrison Ave. bridge. NAVD 88 Elevation 801.03.

Existing Structure: S.N. 101-0130 consists of a continuous three-span unit and a continuous four span unit with a common center abutment and was built in 1971. The existing structure is about 387 feet long and 35.5 feet wide. The superstructure consists of six lines of composite wide flange beams (30 inches deep) with welded cover plates at the piers, which support a 7 1/2-inch thick reinforced concrete deck with a bituminous overlay. The substructure consists of pile bent abutments and reinforced concrete multi-column piers founded on spread footings. The existing structure shall be removed to at least 1 ft below the proposed elevation of subgrade or ground surface, within the area of construction. All portions of existing structures below this elevation that interfere in any way with new construction, shall be removed. Eastbound Harrison Avenue will be closed and traffic will be detoured on to Westbound Harrison Avenue during construction.

Salvage: None

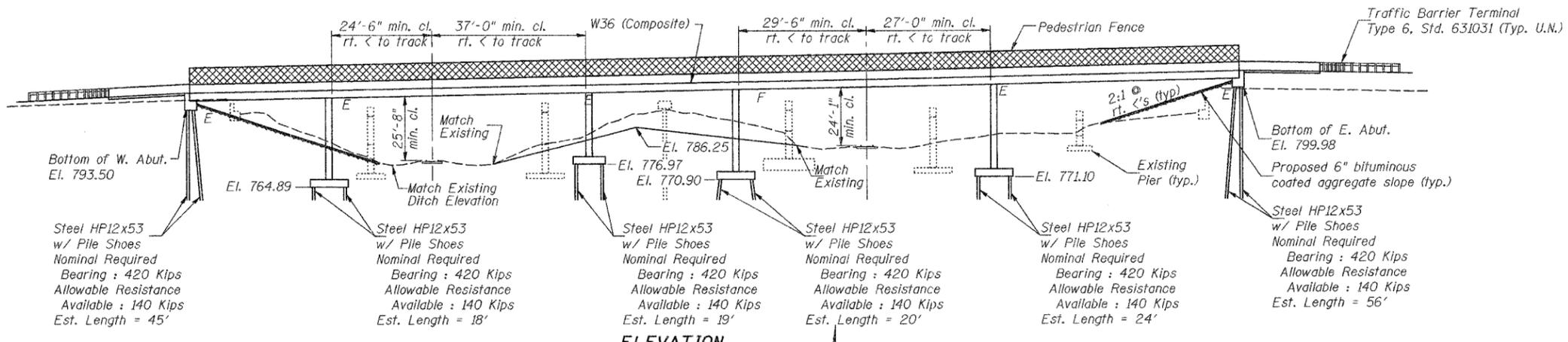
Notes:
Drains and Inlets shall be located clear of all diaphragms.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications for Highway Bridges.
1999 AASHTO Guide for the development of Bicycle Facilities.

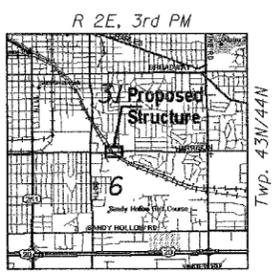
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 36,000 psi (structural steel)
AASHTO M270 Gr. 36
f_y = 50,000 psi (structural steel)
AASHTO M270 Gr. 50

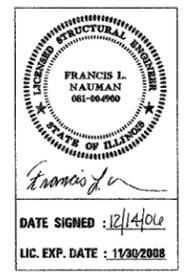
SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.03g
Site Coefficient (S) = 1.0



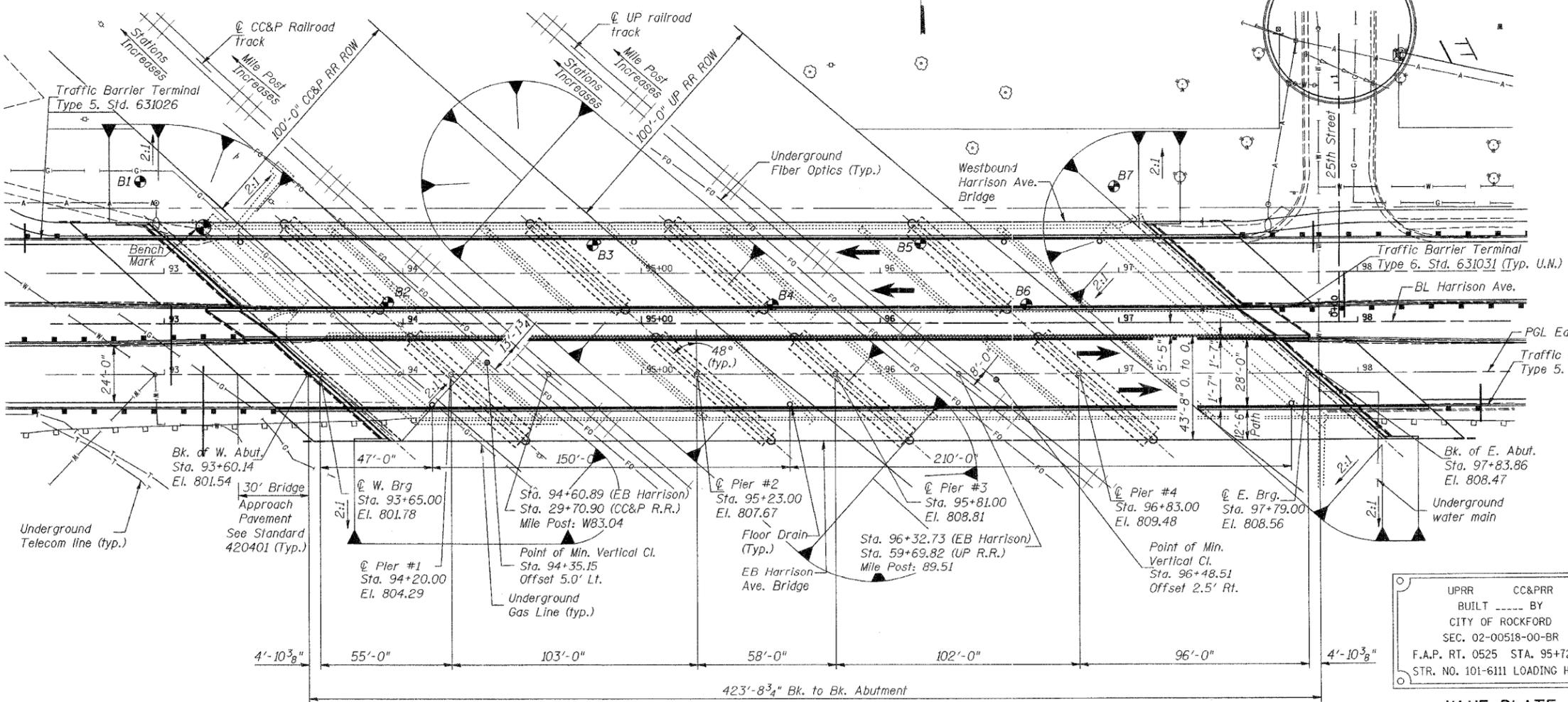
ELEVATION
(Eastbound Bridge - Looking North)



LOCATION SKETCH



"I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges.'"



PLAN

UPRR	CC&PRR
BUILT	BY
CITY OF ROCKFORD	
SEC. 02-00518-00-BR	
F.A.P. RT. 0525	STA. 95+72.00
STR. NO. 101-6111	LOADING HS20

NAME PLATE
SEE STD. 515001
(SEE SHEET 13 OF 50 FOR LOCATION)

Corporate License Number 184-001-084
GENERAL PLAN & ELEVATION
EASTBOUND HARRISON AVENUE
OVER UP & CC&P RAILROAD
F.A.P. ROUTE 0525
SECTION 02-00518-00-BR
ROCKFORD, ILLINOIS
STATION 95+72.00
STRUCTURE NO. 101-6111



11-04-04 AM
 12/14/2006 11:40 AM
 I:\02\105\03\1751\51\Struct\Sheet\East\Bourne\00-EB-SPR-E.dgn
 LAYOUT: 08/23/05
 DRAWN: 09/20/05
 REVIEWED: 09/04/06

Indicates boring location