

Benchmark : None

Existing Structure: S.N. 016-2406 built in 1980 as a thirteen span steel beam bridge with concrete deck wearing surface on closed abutments and 12 piers on spread footings. The structure measures 1342'-5 1/4" back to back abutments and 43'-2" out to out deck. Traffic is to be maintained utilizing stage construction.

Salvage: None

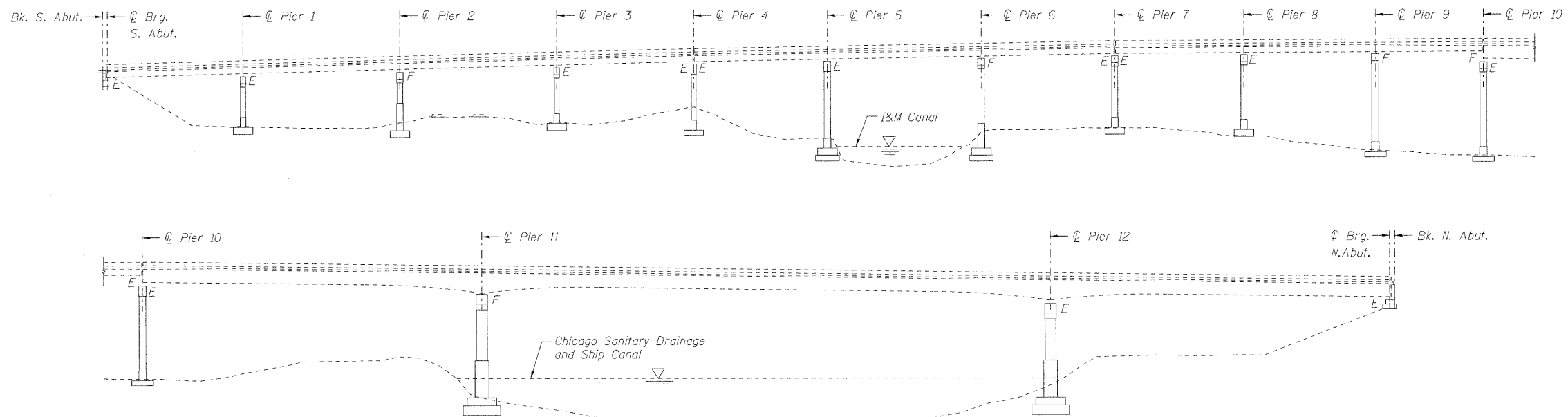
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOADING HS-20
(Original Construction)
Allow 25 psf for future wearing surface

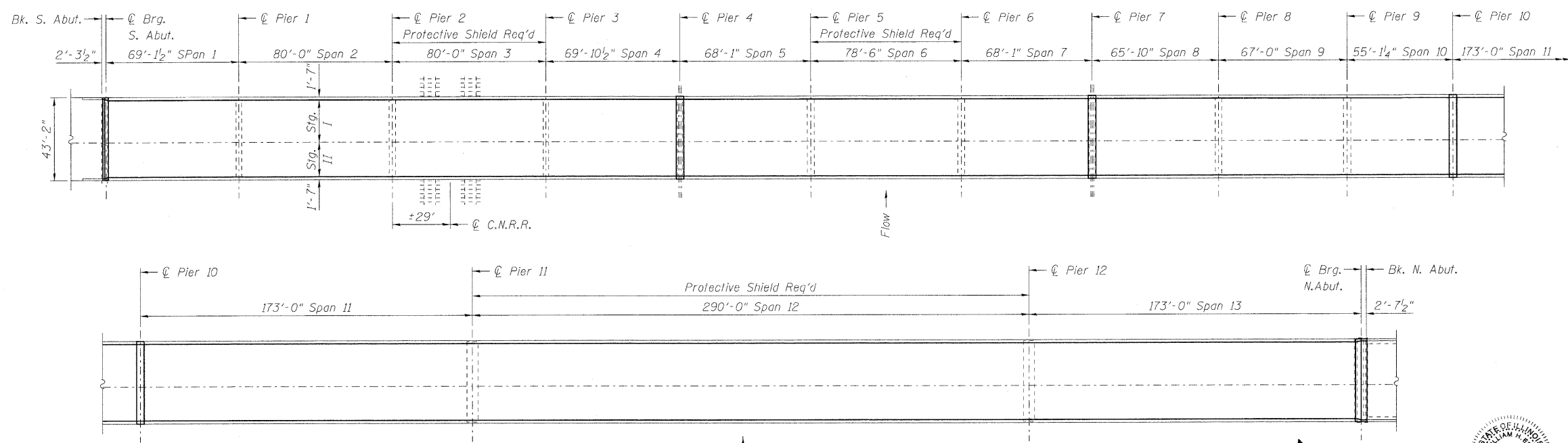
DESIGN SPECIFICATIONS
(New construction)
2002 AASHTO Standard Specifications for Highway Bridges, 17th edition.

DESIGN STRESSES

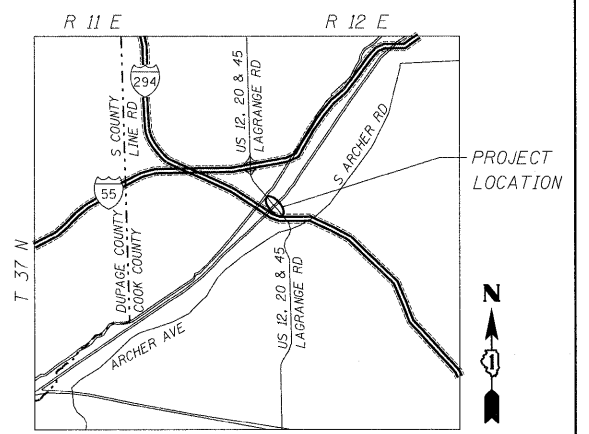
FIELD UNITS
f'c = 3,500 psi
f'c = 5000 psi (Concrete Wearing Surface)
fy = 60000 psi (Reinforcement)
fy = 36000 psi (Structural Steel)



ELEVATION



PLAN



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
US 12, 20, 45 SB OVER CN RR & CANALS
F.A.P. RT. 330
SECTION 462 X-B-I-1
COOK COUNTY
STA. 24+48.43
STRUCTURE NO. 016-2406

DESIGNED	SLV
CHECKED	DJB
DRAWN	SLV
CHECKED	DJB

LOWCO, INC.
CONSULTING ENGINEERS
1560 WALL ST., SUITE 222
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

STATE OF ILLINOIS
SEAL OF THE STATE ENGINEER
WILLIAM W. LEWIS
081-005150
W. J. [Signature]
Ex. 11/30/10

SHEET NO. 1 OF 18 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	330	462 X-B-I-1	COOK	41	17
D-91-228-10			CONTRACT NO. 60J38		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					