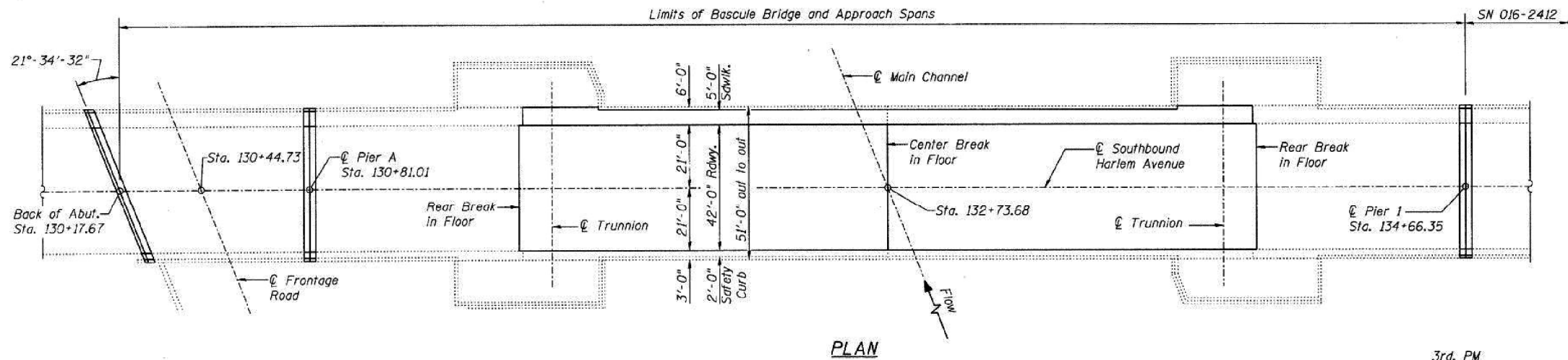
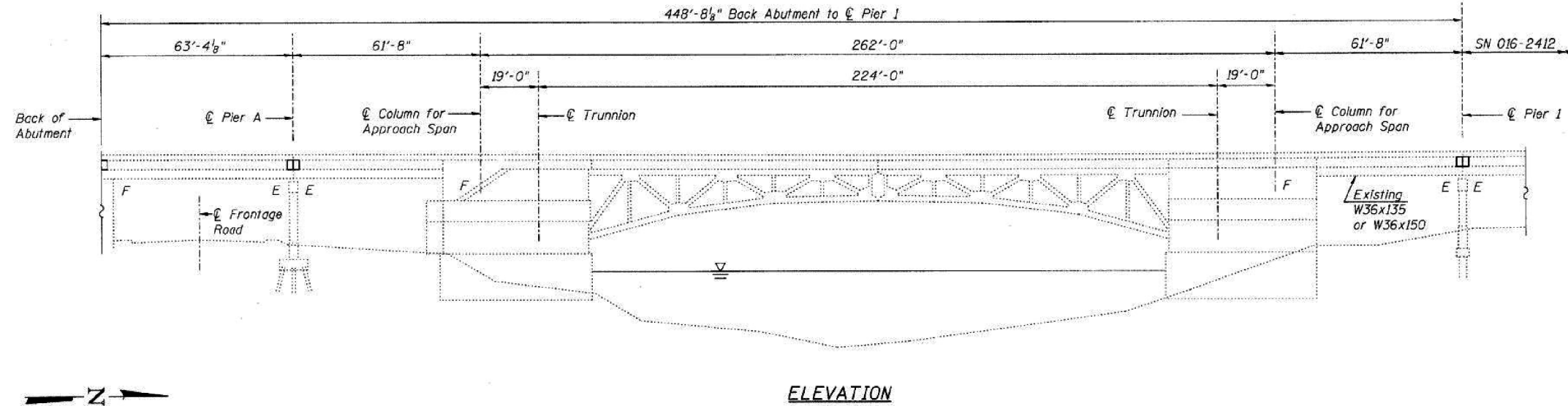


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Existing Structure: S.N. 016-0991 built in 1966 as F.A.I. 55, Section 207-0708.1-CF. Existing structure is a double leaf steel bascule bridge with a 4 1/2" welded steel grid deck, filled with concrete. Approach spans have steel stringers and reinforced concrete deck. In 1989, the expansion joints at the abutment and Pier A were replaced, the substructure concrete was repaired, a 2" concrete overlay was placed on the approaches and a 3/8" epoxy overlay was placed on the main span. In 1999, the main span deck was repaired and the epoxy overlay was replaced. Bridge length is 448'-8 1/2" from back of abutment to Pier 1. The abutment, Pier A and Pier 1 are reinforced concrete. Pier A and Pier 1 consist of 3 circular columns with a continuous cap beam. The abutment is counterfort type. Stage Construction shall be utilized to maintain traffic during construction.



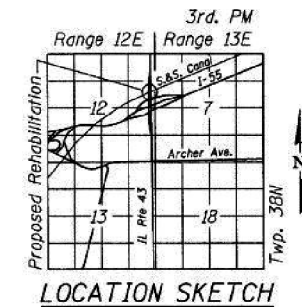
DESIGN STRESSES
FIELD UNITS

New Construction
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (Structural Steel) (M270 Gr. 36)

DESIGN SPECIFICATIONS

(New Construction)
2002 AASHTO "Standard
Specifications for Highway Bridges", 17th Edition

LOADING HS 20-44
(Original Construction)



FOR INFORMATION ONLY

FILE NAME =	USER NAME = pughst	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE. 43 / HARLEM AVE. (OVER SANTARY & SHIP CANAL) LOCATION 2: SN 016-0991 EXISTING BRIDGE PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p1dot\pughst\02319399\0108918.sht-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			348	2012-078BP	COOK	36	29	
#MODELNAME#	PLOT DATE = 11/9/2012	CHECKED -	REVISED -			CONTRACT NO. 60V87					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					