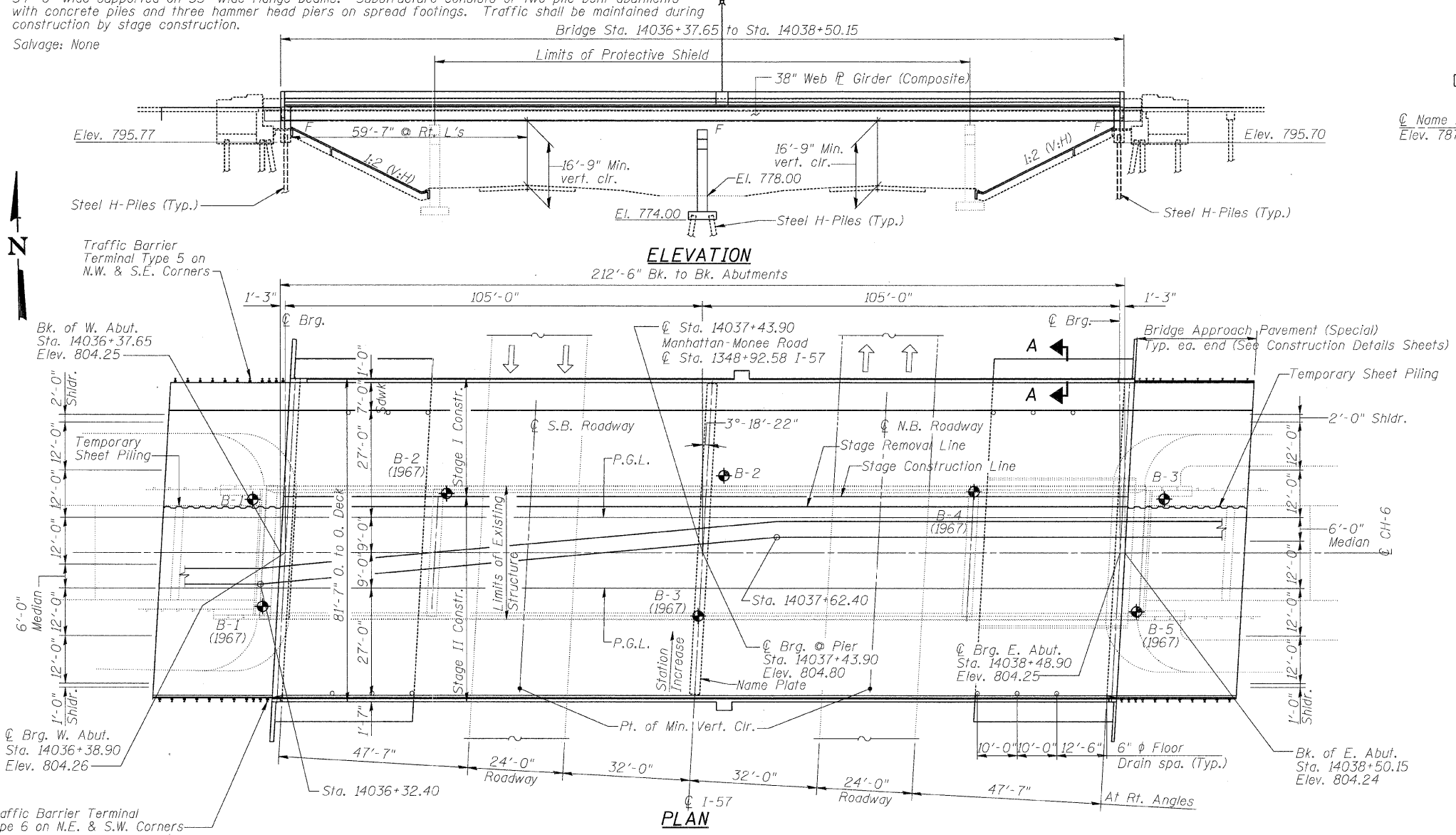


Bench Mark: "□" Cut in Bridge Wall Southwest corner of bridge, Monee Road of I-57, Elev. 804.20.

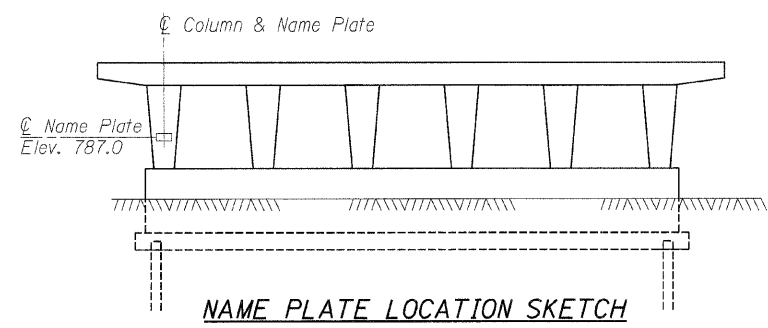
Existing Structure: S.N. 099-0159 was built in 1967 as F.A.I. Rte. 57 (I-57) Manhattan-Monee Road, Sec. 99-1HB-1-1 (85). The 4 span continuous structure consists of a R.C. Deck 224'-4 3/4" long by 34'-0" wide supported on 33" wide flange beams. Substructure consists of two pile bent abutments with concrete piles and three hammer head piers on spread footings. Traffic shall be maintained during construction by stage construction.

Salvage: None



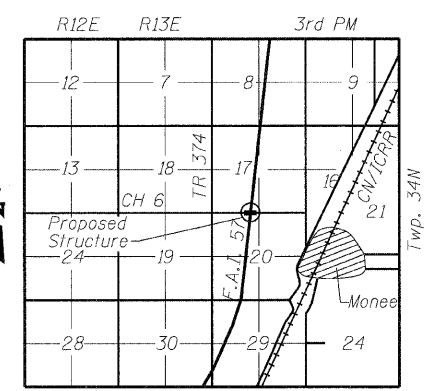
ROUTE NO.	SECTION	COUNTY	POST MILE	SHEET NO.	SHEET NO. 1
FAI 57	*	WILL	303	155	28 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT-	

Contract #62253



STATION 14037+43.90
BUILT BY
STATE OF ILLINOIS
MANHATTAN-MONEE ROAD (CH-6)
SEC. 99(182) R 389-1HB-1-BR2
LOADING HS20
STR. NO. 099-4647

NAME PLATE
See Std. 515001



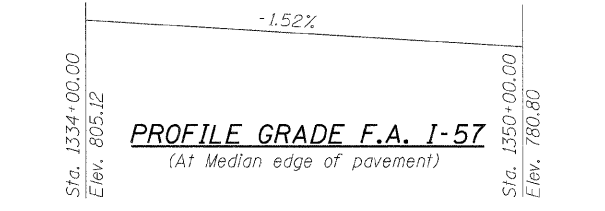
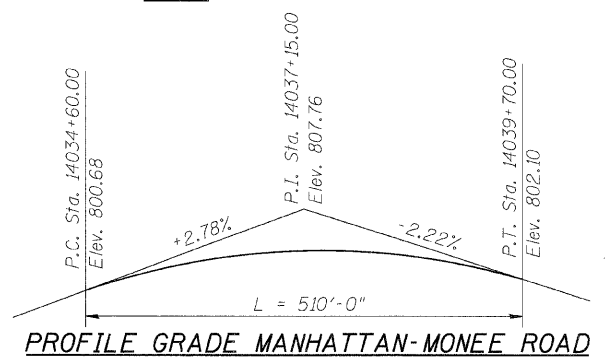
LOCATION SKETCH

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

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270, Grade 50)
f_y = 36,000 psi (M270, Grade 36)

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4%/g
Site Coefficient (S) = 1.0



Sean Mangano
STRUCTURAL ENGINEER
CLARK DIETZ, INC.
DATE: 2/29/2008
LICENSE EXPIRES 11-30-2008

"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'."

GENERAL PLAN
MANHATTAN-MONEE ROAD (CH-6)
OVER I-57
F.A. I-57 SEC. 99(182) R 389-1HB-1-BR2
WILL COUNTY STA. 14037+43.90
STRUCTURE NUMBER 099-4647

CLARK DIETZ ENGINEERS
DESIGN FIRM REGISTRATION No. 184-000450
1817 SOUTH NEIL STREET SUITE 100 CHAMPAIGN, IL 61820
PHONE : 217.373.8800 FAX : 217.373.8923

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DESIGNED BY: SMM	PROJECT NO: 102230
DRAWN BY: MEW/SLD	DATE: 06/2008
CHECKED BY: SLD	
APPROVED BY: SMM	
ACTIVITY	INITIALS

DRAWING NUMBER **S-1**