

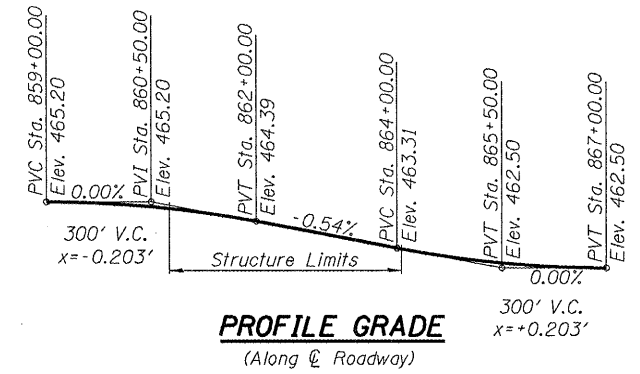
BM T.J.M. #1 : Set a chiseled "□" in top of S.W. Abut. Wing Wall of bridge
 #063-0007; on Il. 78, 1.72 miles North of Illini St. in
 Chandlerville, Bridge over Wolf Lake. NAVD 88 Elev. = 462.64 Ft.

BM T.J.M. #2 : Set a "60d Spike Nail" in West face of P.P. set on East Side ±
 of IL 78; 1100' South of Bridge #063-0007, 1.32 miles North of
 Illini St. in Chandlerville. NAVD 88 Elev. = 456.29 Ft.

Existing Structure (No. 063-0007):
 Originally constructed in 1931 and re-constructed in 1981.
 The existing 10 span bridge consists of precast prestressed
 concrete (PPC) deck beams. Approach spans are supported
 on pile bents with concrete piles and cap. The main span is
 supported on solid concrete piers and footings with concrete
 piles. Overall length of 481'-6" back to back of abutments,
 and out to out deck width of 33' with 0° skew.
 Staged Traffic shall be maintained on this structure during
 stage construction of new structure.
 No Salvage.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

The Contractor shall submit Structural Assessment Report(s) as required for
 Contractor's means and methods of construction. See Special Provisions.

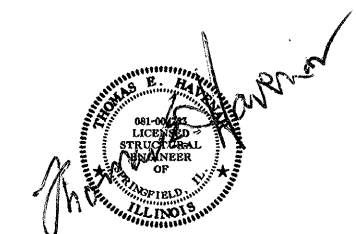


DESIGN SPECIFICATIONS
 2007 AASHTO LRFD Bridge Design Specifications
 4th Edition

DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Struct. Steel) (M270 Grade 50W)

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

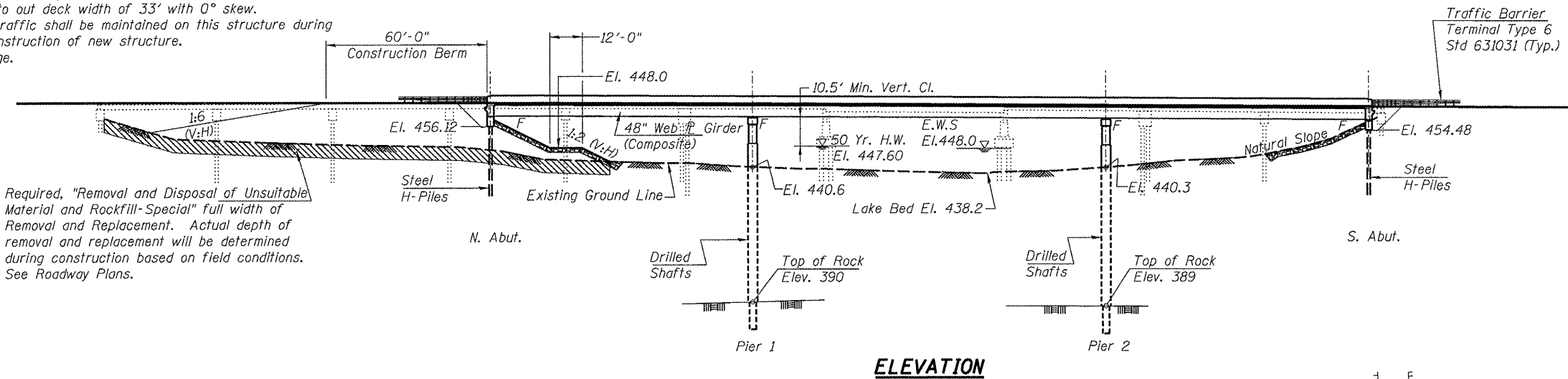
SEISMIC DATA
 Seismic Performance Zone (SPZ) = 1
 Bedrock Acceleration Coefficient (A) = 0.04
 Site Coefficient (S) = 1.0



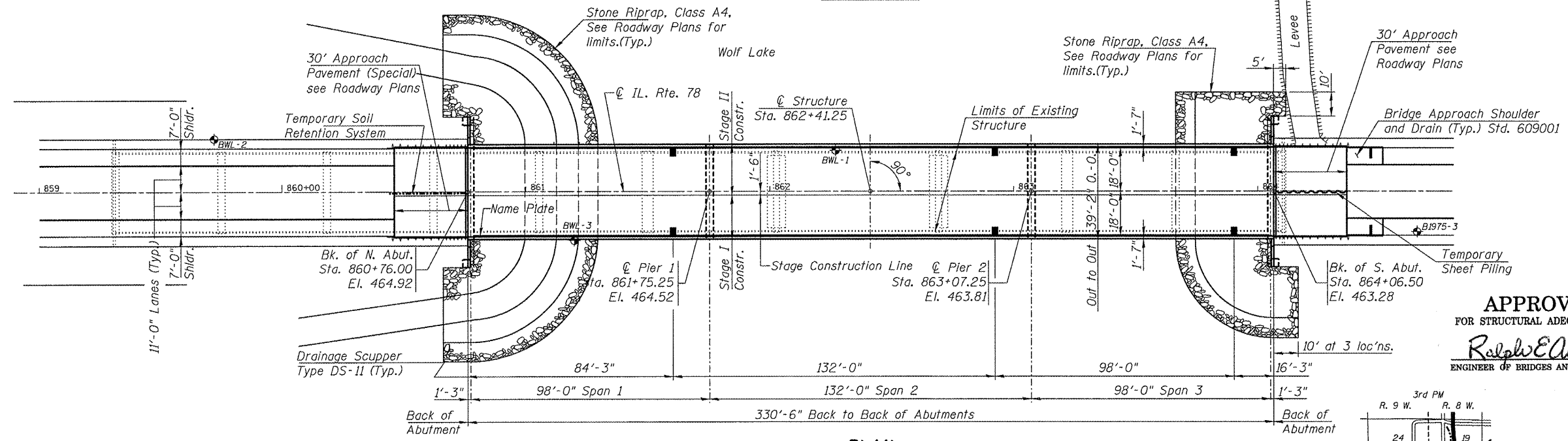
APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

DATE SIGNED : 3/27/09
 LIC. EXP. DATE : 11/30/2010

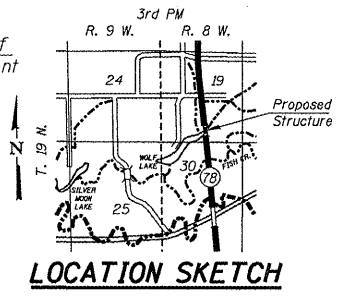
GENERAL PLAN & ELEVATION
F.A.P. 614 (IL 78) OVER WOLF LAKE
(PUBLIC BODY OF WATER)
SECTION 144 (B-2)
MASON COUNTY
STA. 862+41.25
STRUCTURE NUMBER 063-0500



ELEVATION



PLAN



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 38.2 sq. mi. Ex. Low Grade Elev. 461.64 @ Sta. 866+50
 Pr. Low Grade Elev. 462.50 @ Sta. 867+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	401	1536	1580	447.0	0.2	0.2	447.2	447.2
Base	50	401	1702	1750	447.6	0.1	0.1	447.8	447.7
Overlapping	100	401	5499	4683	457.4	0.0	0.0	457.4	457.4
Max. Calc.	500	401	6141	5006	458.9	0.0	0.0	458.9	458.9

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	N. Abut.	Pier 1	Pier 2	S. Abut.
	456.1	430.6	430.3	454.4

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JOB NO. 07S2026
 SHEET NO. 1
 DATE 03/27/09
 29 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	144(B-1, B-2)	Mason	351	108
CONTRACT NO. 72A76				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

03/27/09
 LAYOUT
 DRAWN
 REVIEWED
 10/10/08
 12/23/08
 12/29/08