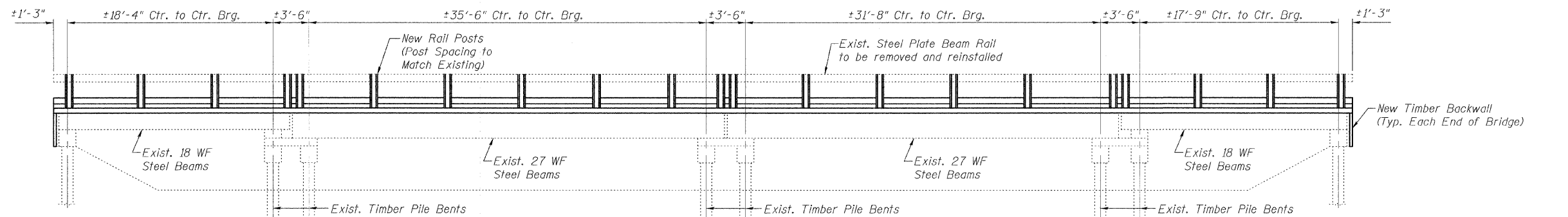
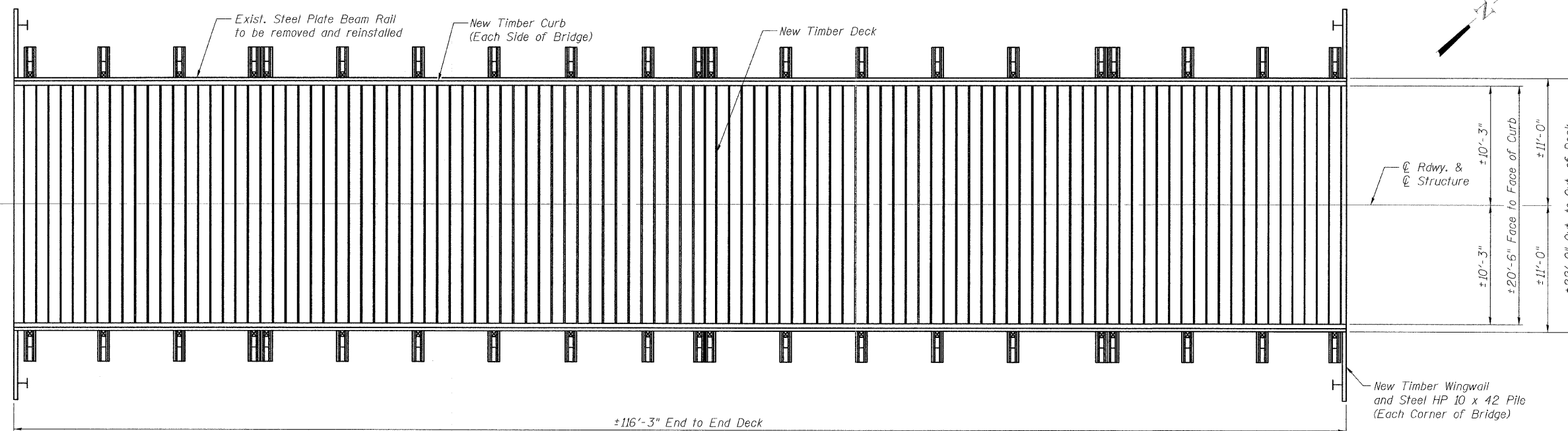


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MARION	15	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Existing Structure: Four span bridge with steel stringers, timber deck, steel plate beam bridge rail, and timber curbs.  
Proposed Improvement: Replace timber curb, timber deck planks, and guardrail.



**ELEVATION**



**PLAN**

**GENERAL NOTES**

All construction shall conform to the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction adopted January 1, 2007.

Plan dimensions and details relative to existing structure have been taken from field measurements and are subject to nominal variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All timber shall be treated in accordance with Section 1007.12 of the Standard Specifications. **The timber shall be treated in accordance with AWP Standard U1-07, Use Category UC4A.**

The Contractor shall predrill holes where required for driving nails. The cost of predrilling holes will be included with "Hardware".

All hardware shall be hot dip galvanized according to AASHTO M232, Class C.

**STRESSES**

Fb = 850 psi (Southern Pine/Douglas Fir No. 2, 5" x 5" and larger)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Remove and Re-Erect Steel Plate Beam Guardrail, Single Rail	Foot	233
Removal of Existing Bridge Deck	Each	1
Removal of Existing Backwalls and Wingwalls	Sq. Ft.	196
Treated Timber	F.B.M.	17595
Bridge Rail	Foot	233
* Hardware	Pound	1292
Furnishing Steel Piles, HP 10x42	Foot	48
Driving Piles	Foot	48

\* Includes bolts attaching curb to deck and rail posts, bolts attaching deck to steel beams, and fasteners connecting backwalls and wingwalls to new and existing piling.

DESIGNED	F.L.L.
CHECKED	M.A.H.
DRAWN	F.L.L.
CHECKED	M.A.H.



Date Signed: 2/11/2008  
Expiration Date: 11/30/2008

**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY

*Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

**GENERAL PLAN & ELEVATION  
THUNDER BRIDGE  
STEPHEN FORBES STATE PARK  
MARION COUNTY  
STRUCTURE NO. 061-9920**

Rev. 4-15-08

PLOT DATE = 4/25/08  
FILE NAME = #FILES