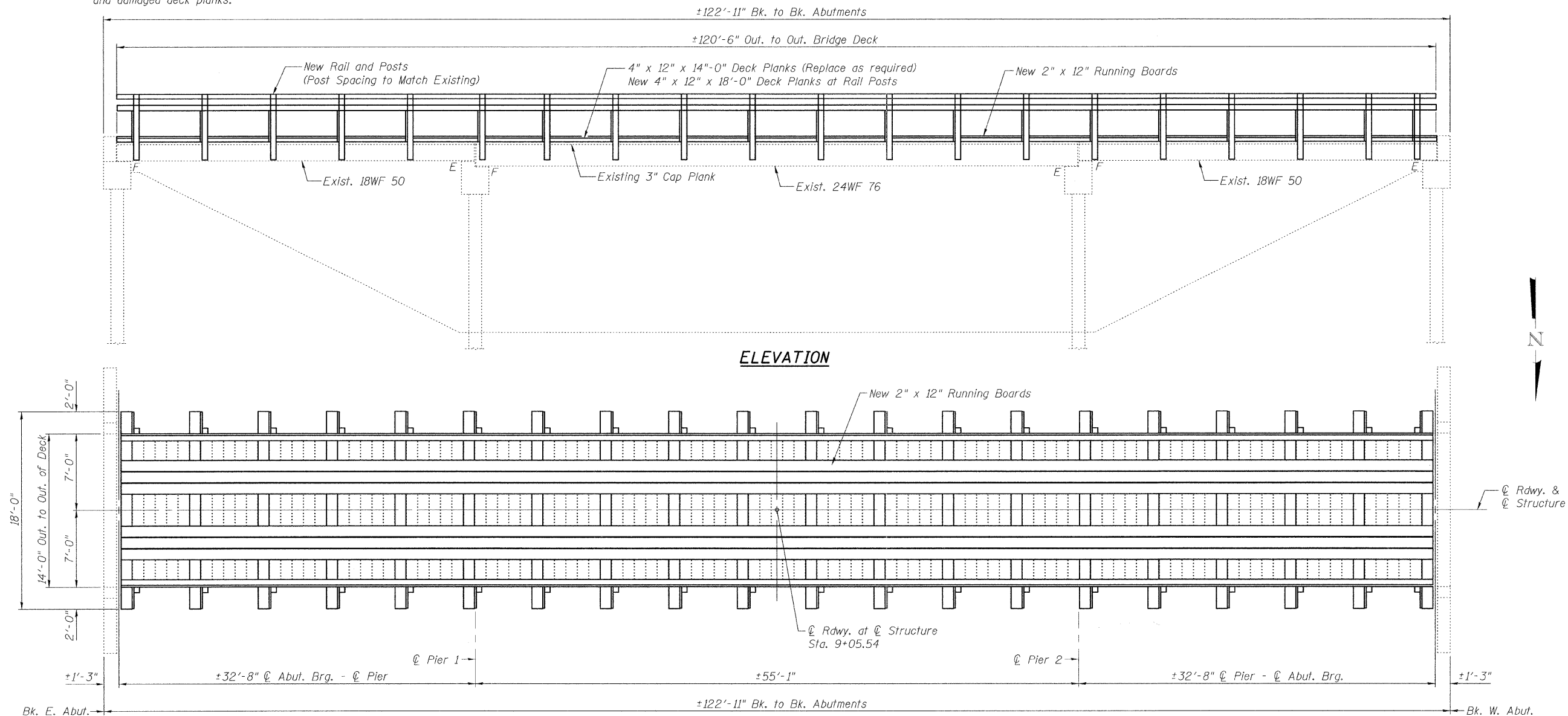


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MARION	15	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
OF 2 SHEETS

Existing Structure: Three span bridge with steel stringers, timber deck, timber running boards, and timber guardrail.

Proposed Improvement: Clean timber deck, remove and replace timber running boards, timber curb, timber guardrail, and damaged deck planks.



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 existing plans and are subject to nominal construction 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 UC3B.

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
Removal Of Existing Runners	Sq. Ft.	723
Removal Of Existing Curbs	Foot	241
Removal Of Existing Bridge Rail	Foot	241
* Removal Of Existing Deck Planks	Sq. Ft.	504
Cleaning Deck	Sq. Ft.	1297
Treated Timber	F.B.M.	4838
Bridge Rail	Foot	241
** Hardware	Pound	303

* Includes deck planks at rail posts and estimated 10% of remaining deck planks.

** Includes attachment of curb to deck and rail posts, deck to exist. cap plank, and runners to deck planks.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRATION DATE: 11/30/08

GENERAL PLAN & ELEVATION
BIOSTATION BRIDGE
STEPHEN FORBES STATE PARK
MARION COUNTY
STRUCTURE NO. 061-9201

Rev. 4-15-08

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

PLOT DATE = 04/07/08
FILE NAME = 871515

ALLEN HENDERSON & ASSOCIATES, INC.

CONSULTING CIVIL AND STRUCTURAL ENGINEERS SPRINGFIELD, IL. PHONE: (217) 544-8033 IL DESIGN FIRM NO.184-001907