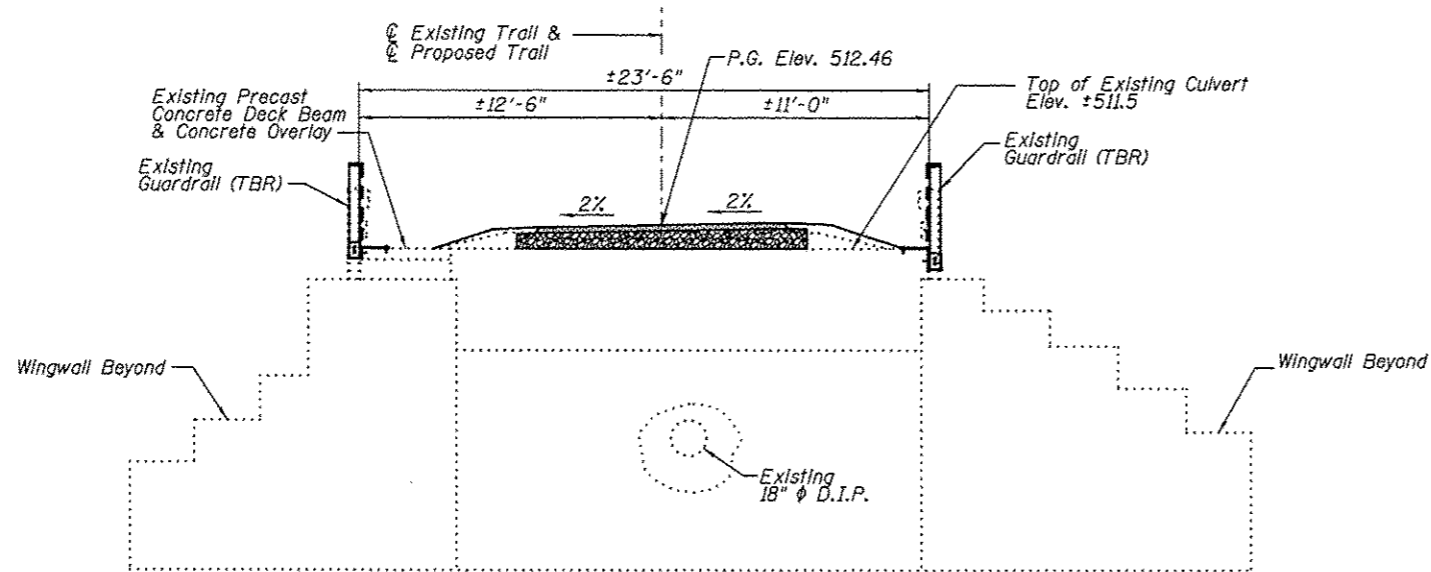


PLAN



SECTION A-A
(Looking West)

DUE TO UNKNOWN DESIGN AND DETAIL OF THE 10" DEEP PRECAST CONCRETE DECK BEAM, POSTING OF THIS STRUCTURE IS UNKNOWN.

Notes:

The contractor shall assume full responsibility for imposed construction loading on the existing deteriorated bridge structures prior to the repair work being performed.

All dimensions are approximate.

All new timber members shown shall be included in the pay item Wood Rail.

Treated timber shall be according to Sections 507 and 1007 of the Standard Specifications. Wood members shall be free of knots warping and twisting and visually graded No. 1 Southern Pine or No. 1 Douglas Fir - Larch, or approved equivalent.

Plan dimensions and details relative to existing structure 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.

Bolt holes in lumber shall be in accordance with Article 507.08 of the IDOT Standard Specifications.

All dimensions are shown in inches unless otherwise noted.

Lumber sizes shown are nominal dimensions in inches. Lumber shall be surfaced four sides.

Holes for all hardware shall be predrilled to avoid splitting.

All Structural Steel, including angles and plates, shall conform to AASHTO M270 in accordance with Article 1006.04 and shall be hot dipped galvanized according to AASHTO M232.

Bolts and lag screws shall conform to ASTM A307. All hardware including anchors, plates, bolts, screws, nails, nuts and washers, etc. shall be stainless steel in accordance with Article 1006.17 of the IDOT Standard Specifications, unless otherwise noted.

Fence Rail and Wood Rail are designed for horizontal loading of 50 lb/ft per horizontal rail only, in accordance with AASHTO Article 2.7.3

WOOD RAIL
BILL OF MATERIAL

Item	Unit	Quantity
Wood Rail	Foot	60

I certify to the best of knowledge, information and belief, this wood rail 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 Specification for Highway Bridges.



Wesley W. Herndon
WESLEY W. HERNDON, S.E.
DATE: 1/2/13

PLAN & SECTION

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**GLEN CARBON HERITAGE
BIKE TRAIL OVER JUDY'S BRANCH
MADISON COUNTY
STATION 217+58
STRUCTURE 13**

REVISIONS		SCALE:	
NO.	DATE BY	REMARKS	NOT TO SCALE, FOLLOW DIMENSIONS

DGN NAME: _____

DSN BY: DB DATE: 10/18/12 SHEET: 245

DWN BY: EER DATE: 10/18/12

CHK'D: WWH DATE: 10/18/12

JOB NO. E064403 DGN. NO. _____ OF 310 SHTS