



PLAN

Notes:

- 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

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

<b>Juneau Associates, Inc. P.C.</b> CONSULTING ENGINEERS AND LAND SURVEYORS 2100 State Street, P.O. Box 1125, Springfield, Illinois 62768 Phone: (618) 242-9941 Fax: (618) 242-9941		<b>PLAN</b> GLEN CARBON HERITAGE BIKE TRAIL OVER CREEK MADISON COUNTY STATION 485+23 STRUCTURE NO. 14	
<b>REVISIONS</b> NO. DATE BY REMARKS		SCALE: NOT TO SCALE, FOLLOW DIMENSIONS	
DSN. BY: DB DATE: 10/18/12		SHEET 248	
DWN. BY: EER DATE: 10/18/12		OF 310 SHTS	
CHK'D: WWH DATE: 10/18/12		DGN NAME:	
DGN NAME:		JOB NO. E064403 DGN NO.	