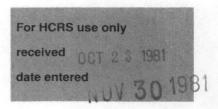
# United States Department of the Interior Heritage Conservation and Recreation Service

# National Register of Historic Places Inventory—Nomination Form



Continuation sheet	Item number	Page
DESCRIPTION	7	2

The northernmost structure is Airtight Bridge built in 1914 using the Pratt through-truss design. South of Airtight are two more through-trusses — the Quarry Bridge (1883) and the Harrison Street crossing (1898). The southernmost bridge is the Blakeman crossing, built in 1907 in the concrete, arched style.

Following is a brief description of each bridge. See the accompanying bridge inventory forms for detailed information.

#### INDIVIDUAL BRIDGES

### Stone Quarry Bridge

The Stone Quarry Bridge is so-named because of its proximity to the Charleston Stone Company quarry. This bridge is the oldest in Coles County, built in 1883 by the King Iron Bridge Company of Cleveland, Ohio. Quarry Bridge is a double intersection Pratt pinned through-truss built of steel and iron with a timber deck. The main truss measures 180 feet, with a 16 foot western approach and a 14 foot 10 inch eastern approach. The bridge roadway is 16 feet wide, while the minimum clearance of the span is 17 feet 2 inches. The span has 12 panels.

Quarry Bridge is located on the old Paris to Pana trail, which provided a means of traveling between the City of Charleston and the Village of Ashmore. Costing Coles County \$4000 at the time, Quarry Bridge has withstood the years, although it is showing its age. The bridge has rusted considerably and was rated fair during a recent Illinois Department of Transportation inspection.

<u>Significance</u> Quarry Bridge was important to local transportation in Coles County as a connector between the eastern third of the county and the county seat at Charleston. The bridge is further significant as the oldest Coles County bridge across the river and in the entire county (1883).

Of engineering significance is the bridge's double intersection Pratt design, a design pattern developed by Squire Whipple in 1846. This truss was developed by Whipple as a response to a need for longer spans. The unique characteristic of the truss is the use of long diagonals which extend across two panels rather than one. The truss is also known as the Whipple, Whipple-Murphy, and Linville truss.

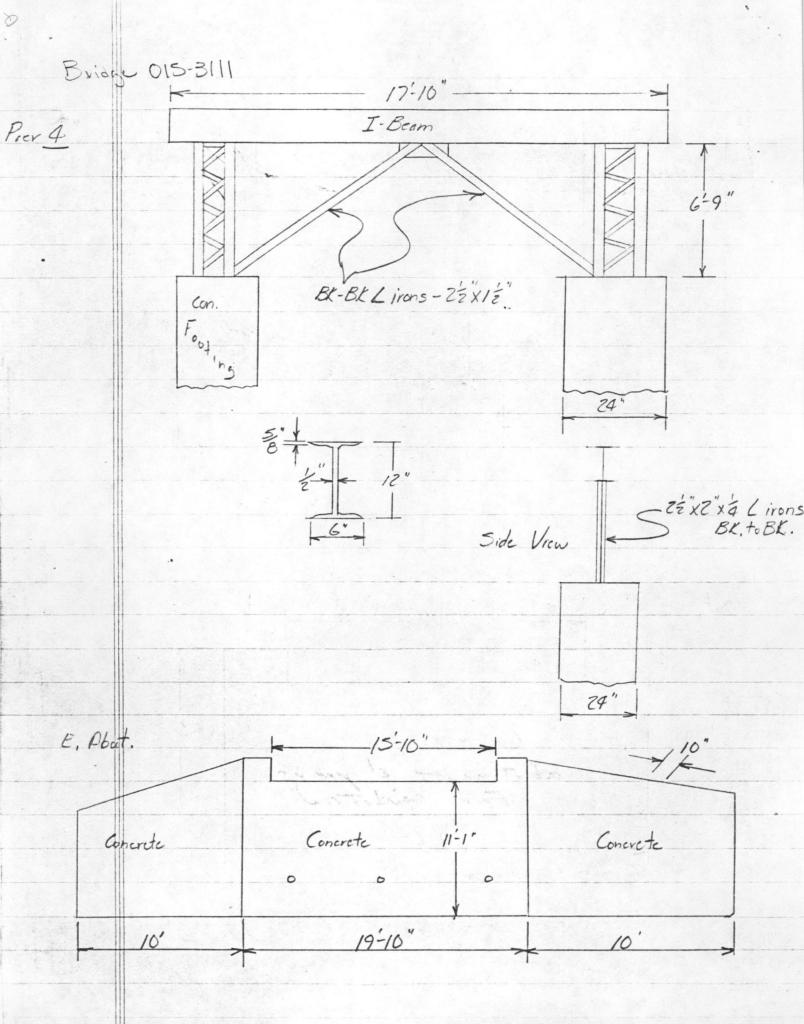
The double intersection Pratt truss was widely used in the United States between 1865 and 1885. By 1890, however, the Whipple truss was rarely used. As longer bridges were needed, the double intersection Pratt truss became an expensive design alternative because of the use of the long diagonal bars. Other less expensive variations of the Pratt were used instead.

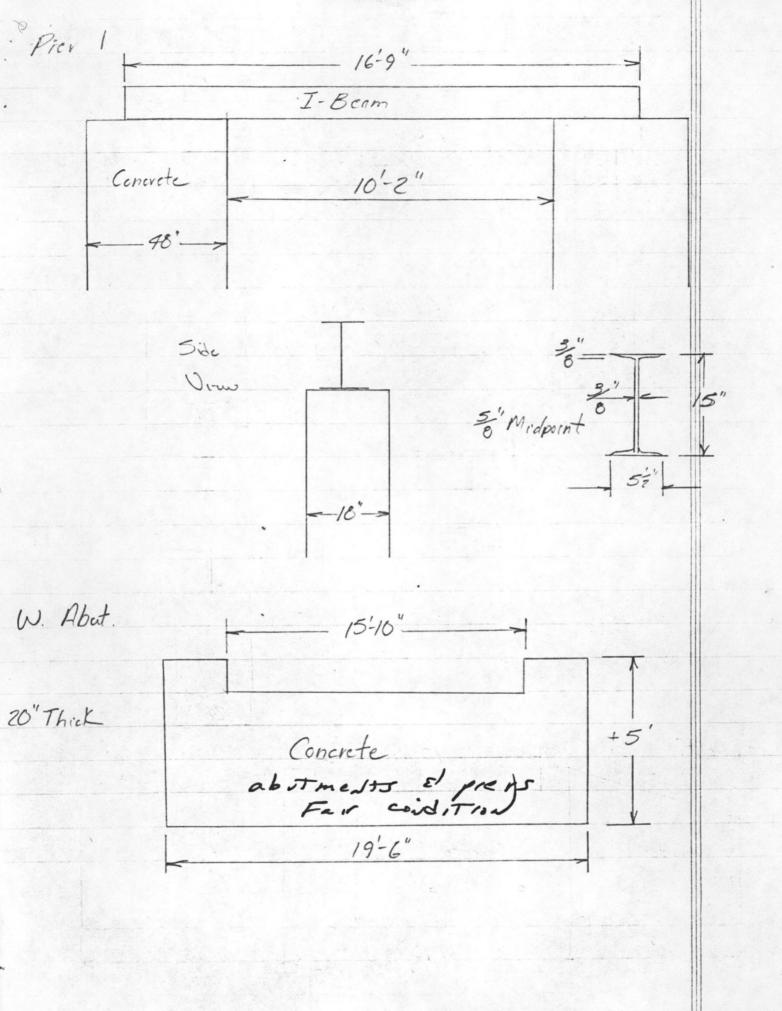
The only double intersection Pratt truss in Coles County, Quarry Bridge was built at the end of the period during which this style was popular.

NOV 30 1981

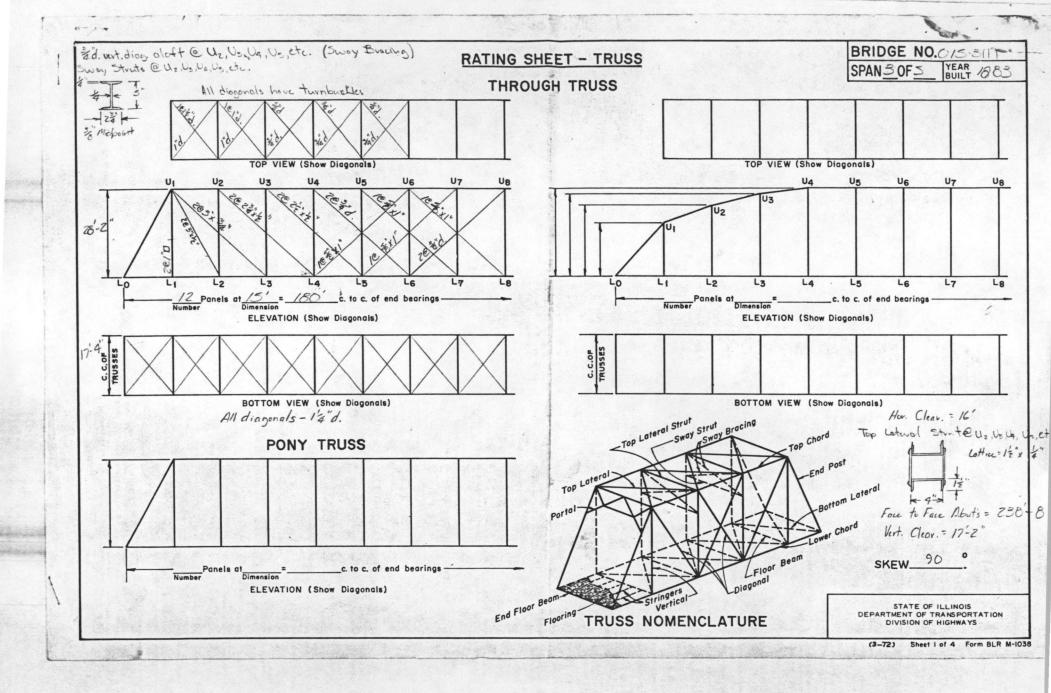
Bridge Name Stone Quarry Bridge Number 3111* OCT 2 3 1981
Location NW4 NE4 Section 5 Township 12 North Range 10 East
Verbal Location _ Located on township road 1000 N at the intersection of Charleston,
Morgan, and Ashmore townships
Town Charleston Vicinity of X NE of Charleston
County Coles
Owner Charleston Township Board Morgan Township Board Ashmore Township Board  . % Supervisor Tom Morgan
Charleston, IL 61920 Oakland, IL 61943 Ashmore, IL 61912
Acreage less than 1 acre UTM Coordinates
Number of Spans 1 Oakland, IL Quad 1:62500 Construction Date 1883 Zone 16
Engineer Unknown E 404 065 N 4374 095
Manufacturer _ King Iron Bridge Company, Cleveland, Ohio
Materials steel, iron, concrete, timber Type double intersection Pratt through-truss
Truss: Through X Pony Deck
Truss Dimensions: See attached dimensions
Comments 180' truss with a 16' western approach and a 14' 10" eastern approach; 12 panels
at 15' each = 180' truss; pinned and riveted; verticals measure 28' 2"
Significance Only double intersection Pratt truss in Coles County; oldest truss left in
Coles County; represents improvement of simple Pratt truss; this style was popular circa
1865-1885

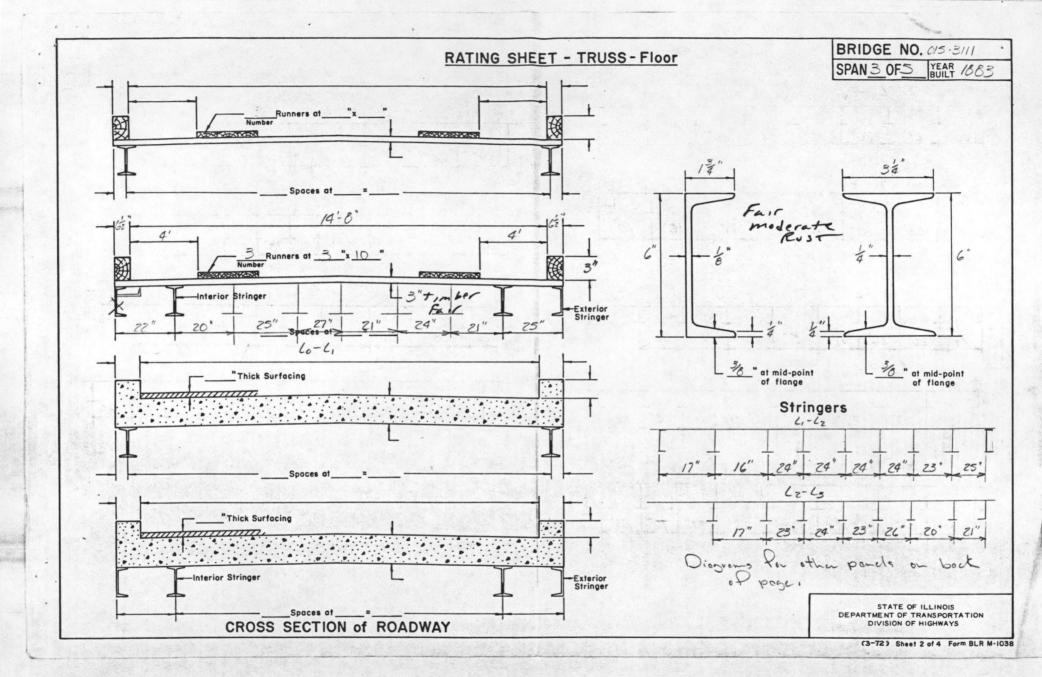
<sup>\*</sup> number 1285 on the Illinois Historic Sites Rural Survey

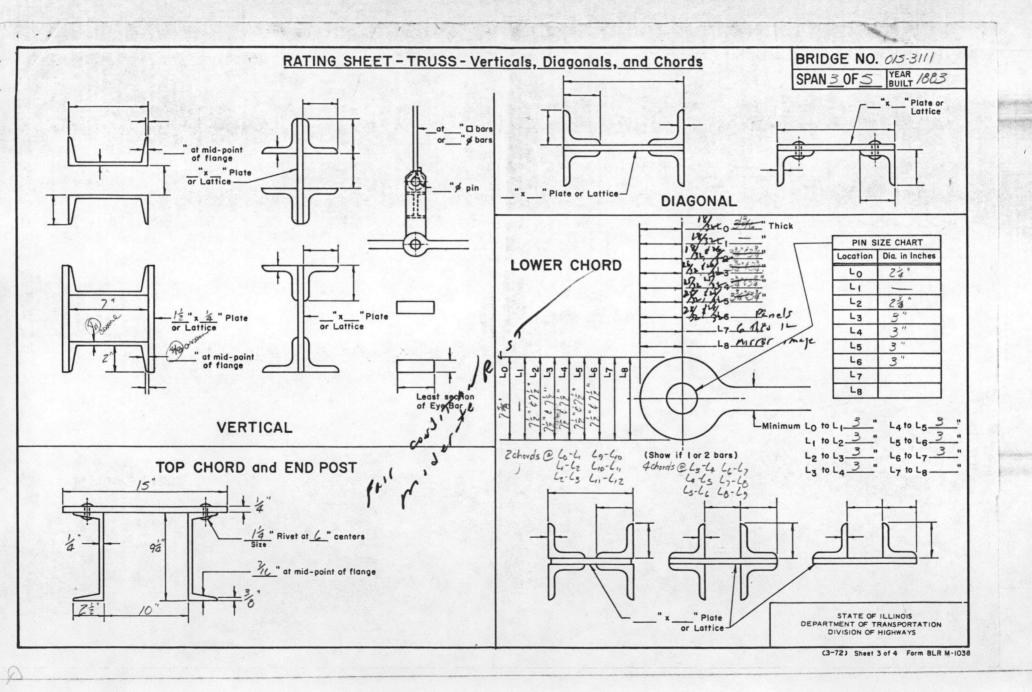


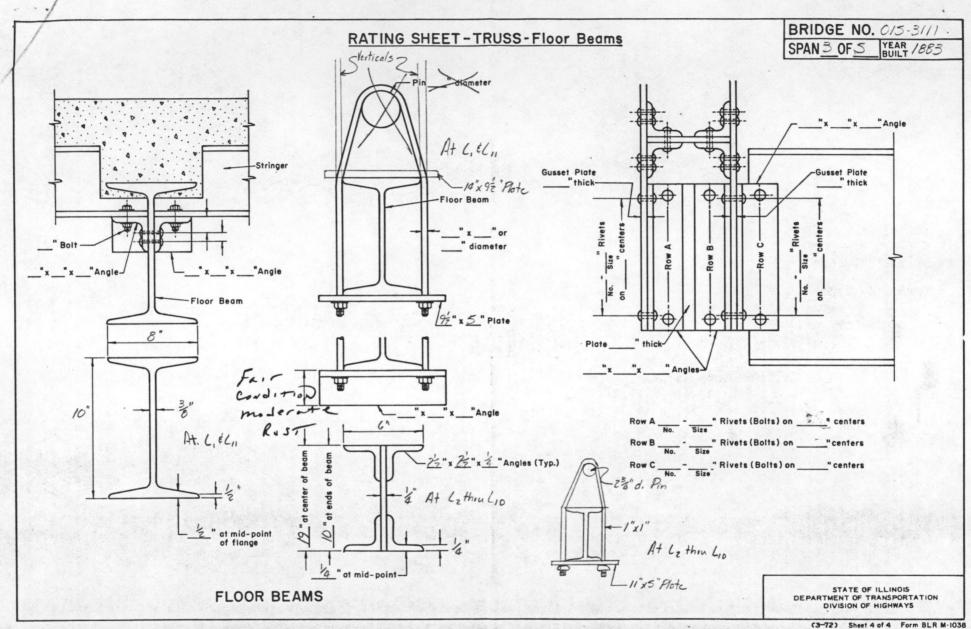


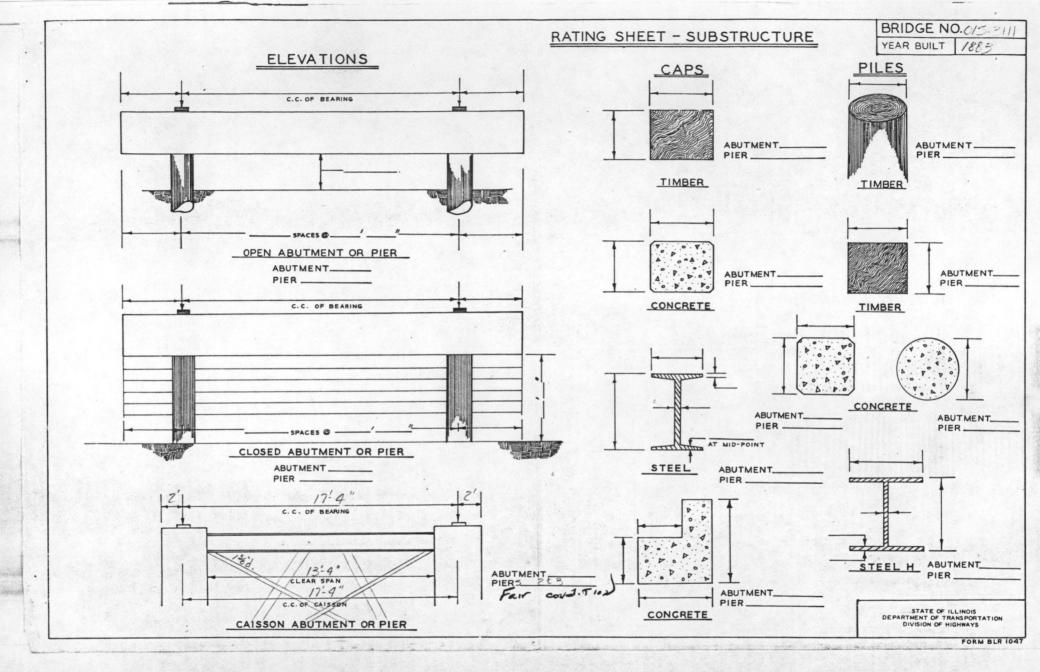
3837 Sq ft











## Multiple Resource Area Thematic Group

Name Coles County Highway Bridges Over The Embarras River Thematic Resources
State

Nor	mination		Type of Review	Decision
· 1.	Airtight Bridge		Entered in the National Register	Delore Byen 11/30/8
2.	Blakeman Bridge		Substantive Review	Accept AMCCHILLAND
23.	Harrison Street Bridge		Mational Register	Delou Byus 11/34
34.	Stone Quarry Bridge		Entered in the National Register	
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23.			- 1	
24.			_	

	County Highwa	DUE . 11/19/81 - 12/7/8/ Budges Over
Name Stone Quarry Bridge ( State, County 11 C Working Number 10.23.81.36	Cala County Highway The Embarra Henry The Tolic County Fed Nom or Rec 7 Federal Register	quest—Agency
Nomination Determination of Eligiblity On Nomination Form	Bldg(s) Site Object Structure	Within:  Multiple Resource Area  Thematic Group
MapsPhotos	District	
Nomination prepared by: State StaffLocalOther	Action: National Register C ACCEPT ///30/8/ RETURN REJECT	Check if Appropriate:  _State Request for Review  _Keeper's Decision to Review  _2nd Return
I. Evaluation of Resource (cont.	on back if necessary)	
		,
II. Evaluation of Nomination	Good Adequate	
	Poor	Comments
1. Descriptive Statement Short FormatYes!	No	
2. Significance Statement Short FormatYes	No No	
3. Concepts/Integrity		
4. Concepts/Criteria		
5. Concepts/Boundaries		
6. Contextual Evaluation		
General Comments (cont. on back	ck if necessary):	
Reviewer/Date		See Attached
National Park Service		U.S. Department of the Interior



Quarry Bridge
February 1981 NOV 30 1981
Blair D. Tarr
History Department--Eastern Illinois
University
#1 of 5
Color County Lipung Surges out the



Quarry Bridge
February 1981 NOV 30 1981
Blair D. Tarr
History Department--Eastern Illinois
University
#2 Of 5
Color County 100T 23 1981



Quarry Bridge
February 1981 NOV 30 1981
Blair D. Tarr
History Department--Eastern Illinois
University
#3 Of 5
Color County Hyperry Burges over the
Laborer Rome The Market Reserved.



Quarry Bridge February 1981 Blair D. Tarr

NOV 30 1981 History Department--Eastern Illinois

University #4 of 5



Quarry Bridge
February 1981 NOV 30 1981
Blair D. Tarr
History Department-Eastern Illinois
University
#5 of 5 OCT 2 3 1981

Please refer to the map in the Coles County Highway Bridges
Over the Embarras River TR
Cover Sheet for this property

Multiple Property Cover Sheet Reference Number: 64000174