		UMB NO. 1	024.0018
NPS Form 10-900		EXP. 12/31	/84
United States Department National Park Service	of the Interior	For N	IPS use only
National Register Inventory—Nomina			ived MAY 3 0 1985 entered
See instructions in <i>How to Complete</i> Type all entries—complete applicable	National Register Forms		
1. Name			in farmer di angel Angeler di angeler Angeler di angeler
historic Hudgeon Bridge (Mason	by arch Bridgeso,	f KSTR)	
and/or common Hudgeon Bridge	te este en en en el este de la seconda d La seconda de la seconda de	in agus Aigean a talaiste an agus 1	angan bangatan din angan bangatan din
2. Location	er als d'aire Alberta agus Méanachta agus Alberta	e interación angle de la barde Angle a barde de la b	
street & number 10 miles south and	d 3.2 miles west of C	i rard	not for publication
city, town Girard	$\frac{x}{x}$ vicinity of	congressional distribution	
state Kansas co	ode 20 county	Crawford	code 37
3. Classification			
district _X public building(s) private structure both site Public Acquisition object in process being considered N/A	x occupied unoccupied work in progress Accessible yes: restricted x yes: unrestricted no	agriculture commercial educational entertainment government industrial military	museum park private residence religious scientific ≭ transportation other:
4. Owner of Prope	erty		
name Crawford County			
street & number Crawford County (Courthouse		
city, town Girard	\mathbb{N}/\mathbb{A} vicinity of	state	Kansas
5. Location of Leg	gal Description	<u>)</u> n	
courthouse, registry of deeds, etc. ${\tt Regist}$	ster of Deeds		
street & number Crawford County (Courthouse		
city, town Girard		state	Cansas
6. Representation	in Existing S	Surveys	
Inventory of Historic Brititle Kansas Department of Tran		perty been determined elig	ible? yes _X no
date 1980-83	•	federal state	county local
depository for survey records Kansas	State Historical Soc:	iety	
city, town Topeka		state	Kansas

7. Description

Condition		Check one	Chec
_x_excellent	_ deteriorated	_x_ unaltered	<u>_x</u>
good	_ ruins	altered	I
fair	_ unexposed		

Check one _X_ original site ____ moved date

Describe the present and original (if known) physical appearance

The Hudgeon bridge crosses Lime creek 10 miles south and 3.2 miles west of Girard, Kansas on a county road. The structure is 100 feet long and 19.8 feet wide curb to curb. The roadway was built approximately 17 feet above low water level. The structure is in excellent condition.

The single span bridge consists of a reinforced concrete arch ring which springs from and is disposed between two reinforced concrete abutments. Reinforced concrete spandrel walls rise from each side of the arch ring and are used to retain the earthen fill which loads the arch. This earth fill "loads" the arch, which allows for even distribution of the live loads and helps to strengthen the arch. The turned balusters of the railings are located on both sides of the roadway. The roadway is cantilevered by the use of brackets over the 10' wide arch ring.

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8. Significance

Period prehistoric 1400–1499 1500–1599 1600–1699 1700–1799 1800–1899	Areas of Significance—C archeology-prehistoric archeology-historic agriculture architecture art commerce	community planning conservation economics education	landscape architecture law literature military music philosophy	_ religion _ science _ sculpture _ social/ humanitarian _ theater
<u>X</u> 1900–	communications	industry invention	politics/government	<pre> transportation other (specify) </pre>
Specific dates	1923	Builder/Architect Topeka	Bridge and Construc	tion

Statement of Significance (in one paragraph)

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The Hudgeon bridge 10 miles south and 3.2 miles west of Girard, Kansas retains its integrity of location, design, setting, materials, feeling, and association. It embodies the distinctive characteristics of a type and method of construction no longer being used, namely the construction of a roadway supported by a reinforced concrete arch ring which is loaded by an earthen fill which, in turn, is retained by reinforced concrete spandrel walls. This particular structure was built by the Topeka Bridge and Construction Company which was the area's agent for the Luten design of reinforced concrete bridges and may yield information important to the history of engineering.

The Crawford County Commissioner's Journal for January 3, 1923 shows the letting of the contract for the Hudgeon Bridge to the Topeka Bridge and Construction Company for \$8,794.50. The bridge was to be completed by July 1, 1923.

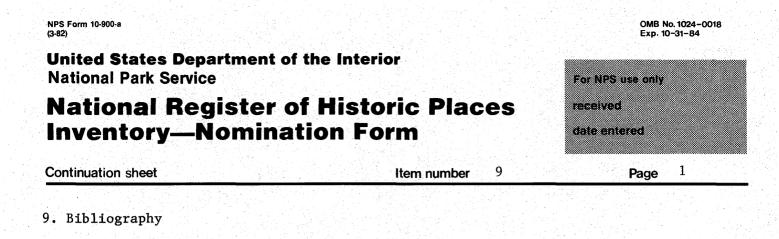
THIS STATEMENT REFLECTS CURRENT KNOWLEDGE AND IS SUBJECT TO CHANGE.

9. Major Bibliographical References

See continuation sheet, item #9.

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West Street



"Legal Notices," Pittsburg <u>Sun</u>, May 17, 1923. "Legal Notices," Pittsburg <u>Sun</u>, May 24, 1923, p. 5. "Legal Notices," Pittsburg <u>Sun</u>, June 14, 1923, p. 4. Crawford County Commissioner's Journal, Volume S, December 12, 1922, page 438, located at Crawford County Courthouses, Girard, Kansas.

Plans and Files, Design Department, Kansas Department of Transportation, Topeka, Kansas, Microfilm Roll #16, Frame 544+.