1. Name of Property

## United States Department of the Interior National Park Service



NAT RE

# NATIONAL REGISTER OF HISTORIC PLACES REGISTRATION FORM

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in How to Complete the National Register of Historic Places Registration Form (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

11 11411110 011 101								
historic name	N/A							
other names/site	number	South Dako	ota Departr	ment of Tra	ansportation	on Brid	ge No. 63-1	<u>-</u>
2. Location								
street & number		load over Ea	st Fork of	Vermillion	River ı	not for p	oublication	
city or town Da							vicinit	
state South Da	ikota co	de <u>SD</u> c	ounty <u>T</u>	urner	code	125	zip code	57053
3. State/Federal	Agency	Certification	1					
As the designated as x nomination in the National Regis Part 60. In my opinithis property be conadditional comments	_ request for the request for	or determination oric Places and i pertyx_ mee nificant nati	n of eligibility meets the pro ets doe	meets the do ocedural and es not meet the	ocumentatio I professiona ne National	n standa al require Register	rds for registe ements set for Criteria. I rec	ering properties th in 36 CFR ommend that
Signature of cert	Voat ifying office	<u></u> cial	୦୫-25 Date	-99				
State or Federal	agency a	nd bureau						
In my opinion, the pradditional comments		_ meets d	oes not mee	t the Nationa	ıl Register c	riteria. ( _	See conti	nuation sheet for
Signature of com	menting	or other offici	ial Dat	te	<del></del>			

Name of Property	County and State
4. National Park Service Certification	Λ
I hereby certify that the property is:  entered in the National Register.  See continuation sheet  determined eligible for the National Register.  See continuation sheet  determined not eligible for the National Register  removed from the National Register.  other,  (explain:)	Signature of the Keeper Date of Action  Caston H. Deall 9/29/90
5. Classification  Ownership of Property (Check as many private x public-local public-State	poxes as apply)
public-Federal  Category of Property (Check only one bound building(s)     district     site     x structure     object	)×)
0     0       1     0       0     0	Buildings Bites Btructures Objects Fotal

SDDOT Br. No. 63-198-181

Turner County, South Dakota

Number of contributing resources previously listed in the National Register <u>0</u>
Name of related multiple property listing (Enter "N/A" if property is not part of a multiple property listing.) Historic Bridges in South Dakota

SDDOT Br. No. 63-198-181  Name of Property				Turner County, South Dakota  County and State	
6. Fund	ction or U	se			
	Function Transpo			ries from instructions Road Related	
	Function	-		ries from instructions	
*******************************			- Odb. - -		
7. Desc	ription				
	ctural Cla			er categories from in	structions)
Materia	<b>ls</b> (Enter d	categorie	s from i	nstructions)	
fo	undation roof walls				
	other	Metal: s	teel		
Narrativ	/e Descri	ption (De	escribe	the historic and curre	nt condition of the property on one or more

continuation sheets.)

See Continuation Sheets

Name of Pro	operty County and State
8. Staten	nent of Significance
	e National Register Criteria (Mark "x" in one or more boxes for the criteria qualifying the for National Register listing)
	roperty is associated with events that have made a significant ontribution to the broad patterns of our history.
B P	roperty is associated with the lives of persons significant in our past.
p m	Property embodies the distinctive characteristics of a type, eriod, or method of construction or represents the work of a master, or possesses high artistic values, or represents a ignificant and distinguishable entity whose components lack additional distinction.
	roperty has yielded, or is likely to yield information important prehistory or history.
Criteria (	Considerations (Mark "X" in all the boxes that apply.)
A o	wned by a religious institution or used for religious purposes.
B re	emoved from its original location.
C a	birthplace or a grave.
D a	cemetery.
E a	reconstructed building, object,or structure.
F a	commemorative property
G le	ess than 50 years of age or achieved significance within the past 50 years.
Areas of	Significance (Enter categories from instructions)
	Commerce
	Engineering
Period o	f Significance 1909

SDDOT Br. No. 63-198-181

Turner County, South Dakota

Name of Property	-181 Turner County, South Dakota
•	County and State
Significant Dates	1909
Ciamificant Dayson	(Complete if Critarian P. in marked above)
Significant Person	(Complete if Criterion B is marked above) N/A
<b>Cultural Affiliation</b>	N/A
A 114 405 111	
Architect/Builder	Iowa Bridge Company
Narrative Statement continuation sheets.)	t of Significance (Explain the significance of the property on one or more
See Continuation Sh	poots
See Continuation on	
9. Major Bibliograpi	hical References
	moar references
	eles, and other sources used in preparing this form on one or more continuation
(Cite the books, artic sheets.)	eles, and other sources used in preparing this form on one or more continuation
(Cite the books, artic sheets.)  Previous document	cles, and other sources used in preparing this form on one or more continuation
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SDDOT Br. No. 63-198-181  Name of Property	County and State
10. Geographical Data	
Acreage of Property Less than one acre	
UTM References (place additional UTM references on a continuation sheet	t.)
1 14 662110 4789400 Zone Easting Northing 2	Zone Easting Northing 4
	See continuation sheet
<b>Verbal Boundary Description</b> (Describe the boun Continuation Sheet	ndaries of the property on a continuation sheet.) See
<b>Boundary Justification</b> (Explain why the boundarie Sheet	es were selected on a continuation sheet.) See Continuation
11. Form Prepared By	
name/title Renewable Technologies Inc and SD SHPO	
organization	date _August 11, 1999
street & number 510 Metals Bank Bldg	telephone 4046-782-0494
city or town Butte	state MT zip code 59701
Additional Documentation	
Submit the following items with the completed form:	
Continuation Sheets	
Maps A USGS map (7.5 or 15 minute series)indic	cating the property's location.

A sketch map for historic districts and properties having large acreage or numerous resources.

## **Photographs**

Representative black and white photographs of the property.

Additional items (Check with the SHPO or FPO for any additional items)

Name of Property	County and State
Property Owner	
(Complete this item at the request of the SHPO or FPO.)	
name	
street & number	telephone
city or town	state SD zip code

Turner County, South Dakota

SDDOT Br. No. 63-198-181

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list roperties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.0. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Project (1024-0018), Washington, DC 20503.

SDDOT Bridg	e No	. 63-198-181	
Name of Propert	V		

Turner County, South Dakota

County and State

NPS FORM 10-900-A (8-86)

OMB Approval No. 1024-0018

**United States Department of the Interior**National Park Service

# National Register of Historic Places Continuation Sheet

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#### **Architectural Description**

Bridge No. 63-198-181 carries an unpaved road across the East Fork of the Vermillion River about one mile south of Davis. The structure consists of three spans: two timber stringer approach spans and one pin connected, six panel Pratt through truss measuring 95 feet in length. The truss web is comprised as follows: the upper chord consists of back-to-back channel sections riveted to a continuous cover plate and batten plates; the hip verticals consist of back-to-back angle sections riveted to batten plates; the other verticals consist of back-to-back channel sections riveted on both sides to V-lacing; the diagonals are paired, rectangular-section eyebars; the counters are square-section eyerods with turnbuckles; and the lower chord consists of paired, rectangular-section eyebars. Carrying timber stringers and double-layer wood decking, the I-beam floor beams are bolted, by means of riveted angle sections, to hangar plates at the lower chord pin connections. Portal bracing is a framework of back-to-back angle sections with gusset plates. Sway bracing consists of back-to-back angle sections with V-lacing. Top-lateral and bottom-lateral bracing consists of cross-braced cylindrical eyerods. The bridge's substructure consists of concrete abutments with flared retaining walls and steel cylinder piers. The south approach span has wood-plank railing; the truss span, angle-section railings; and the north approach span, metal lattice-work railings.

#### Statement of Significance

Bridge no. 63-198-181 is being nominated to the National Register of Historic Places as part of the "Historic Bridges in South Dakota" Multiple Property Nomination. It is related to the historic context of "Historic Bridges in South Dakota, 1893-1943" and is classified with the associated property type for iron and steel frame bridges. This bridge is individually eligible for the National Register under Criterion A as a representative example of important patterns of bridge construction in South Dakota during the 1890s and through the first two decades of the 20th century, in which a different out-of-state bridge builder tended to dominate bridge construction in each county. It is also eligible for the National Register under Criterion C as one of the two longest bridges in Turner County built by the lowa Bridge Company, a long term county bridge builder. The bridge retains excellent integrity.

Around the turn of the 20th century, the homesteading boom west of the Missouri River coupled with the expanded agri-business east of the river led to an increased demand for reliable bridges in South Dakota. Accompanying the increase in bridge construction was the emergence of a pattern of business wherein almost every county in the state seemed to be dominated by a different bridge builder. This pattern began to be evident in the late-19th century. It grew even stronger after the turn of the century when the counties began turning to the system of awarding annual contracts

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Name of Property

Turner County, South Dakota
County and State

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for bridge work. Most typically, the counties awarded annual contracts to the same firm year after year. This relationship between the counties and the bridge firms was probably due to "pooling," an illegal but common practice across the country at this time. Under pooling arrangements, various bridge-building firms agreed to divide states among themselves, assigning particular counties to specific firms. Most such firms operating in South Dakota at this time were based out-of-state. This pattern of business remained strong in South Dakota until about 1920 when the State Highway Commission strengthened its control over bridge construction practices in the counties.

The activities of the Iowa Bridge Company of Des Moines are typical of the bridge-building business in South Dakota during this era. President of the company was James S. Carpenter, who had been a travelling agent for the N.M. Stark Company of Des Moines in the 1890s. Carpenter started the Iowa Bridge Company in Des Moines in about 1902 and was immediately successful in obtaining annual bridge contracts in South Dakota counties such as Bon Homme, Brookings, and Sanborn where his former employer had been active.

During the first two decades of the 20th century, the company became the most active bridge-builder to operate in South Dakota and dominated bridge contracts in at least 11 counties. It held the annual contract in Turner County from 1905 through 1911.

Metal plates above the truss portals of Bridge No. 63-198-181, identify the builder as the lowa Bridge Company of Des Moines, and the construction date as 1909. Composed of a single 95-ft. span, this bridge is one of the two longest bridges built by the lowa Bridge Company and surviving in Turner County.

## **Bibliography**

Bridge Plaque.

SDDOT Br. No. 63-198-181	Turner County, South Dakota
Name of Property	County and State

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#### **Verbal Boundary Description**

The nominated property consists of a rectangle, 20 feet wide by 134 feet long, whose vertices coincide with the outside corners of the bridge abutments at each end of the bridge and includes only the bridge superstructure and substructure.

### **Boundary Justification**

Because the bridge is located on a public road, there are no legal boundary lines for the ends of the bridge. Therefore, these boundaries are drawn to encompass only the superstructure and substructure of the bridge itself.