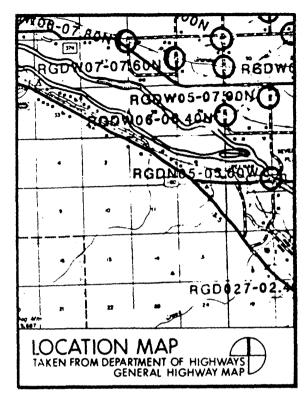
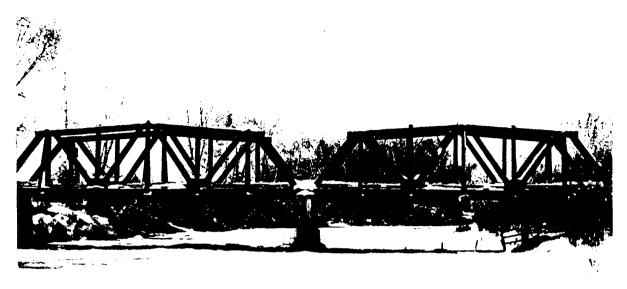
1. S!TE I.D. NO	HABS/H/INVENTO		į	U.S. Departme National Park S Washington, D	ervi	ce	nteri	or	
2. NAME(S) OF STRUCTURE	5. ORIGINAL USE	7. CLASSIFICATION							9. RATING
Sutherland Bridge RG10	roadway bridge	BT&A: TR	USS: WOOD		7	6	0	0	local
Bridge over Rio Grande River				. !		, 1			10. DATE
						 			1924
3. SITE ADDRESS (STREET & NO) 3.7 miles southeast of Del Norte	6. PRESENT USE					1 1			
NW ₄ S2, T39N, R6E	roadway bridge	8. UTM ZONE	LEASTING	NORTHING				_	11. REGION
Private road over Rio Grande River		1 3	3 8 3 0 0 0	+	0 5	1	Τn		RMRO
4. CITY/VICINITY COUNTY	STATE			1411/1	0 3	114	10	2.00	KIIKO
Del Norte vicinity Rio Grande	Colorado	SCALE 1:	24 1:62.5	QUA NAM	D =	Del	No	rte	<u> </u>
12. OWNER/ADMIN ADDRESS	00101440	L							
Samuel Holland Del Norte Colorado 81132				٠,					
13. DESCRIPTION AND BACKGROUND HISTORY INCLUDING CONSTRUCTION DATE(S), PHYSICA IMPORTANT BUILDERS, ARCHITECTS, ENGINEERS, ETC.	L DIMENSIONS, MATERIALS, MAJOR	ALTERATIONS, EXTANT	EQUIPMENT, AND						
					.				
Rigid-connected, 6-panel timber Warren pony tr	uss w/ verticals a	ic all paner	points; log kil	igpost po	ny	tru	55	app	oroacn
span number: 2	<pre>end/top chrd:</pre>	2 4x12 timb							
span length: 50'0"	bottom chord:	2 4x12 timb	ers						
overall length: 128'0"	vertical:	8x8 timber							
roadway width : 10'0"	diagonal:	8x10 timber							
			ing and stringer					ean	ns
	substructure:	concrete wi	ngwalls w/ soli	d concret	e p	ier	'S		
Erected in 1924, probably by local labor, the access to the Sutherland Ranch east of Del Nor location, and the log kingpost appraoch span of The Sutherland Bridge is identical to another Both are rigidly connected, with steel gusset chords; both also feature unusual sloped top of fair condition, under relatively light usage.	te. It is a replant the north portal privately owned conplates at the conf	cement span appears to rossing, two nections of	for an earlier be a remnant o miles downstrea the diagonals w	wood bri f the ear am, built ith the u	dge lie fo ppe	at r s ur r a	th tru yea ind	nis uctu urs lov	ure. later.
14. CONDITION EXCELLENT GOOD FAIR	DETERIORATED	RUINS	15. DANGER OF DEMOLITION? (SPECIFY THREAT)	YES		D		JNKNO	OWN
16. SIGNIFICANCE AREA OF SIGNIFICANCE: Engineering									
The older of the two examples of this structur		erland Bridg	e features an u	nusual ad	apt	ati	on	of	a

The older of the two examples of this structural type, the Sutherland Bridge features an unusual adaptation of a bridge type usually associated with steel construction, executed with heavy timbers. It is a Warren pony truss - common enough for steel, but unusual as a timber structure. As such it is an interesting deviation from standard form, an unusual later truss example.

10-909 2/82





18 LOCATED IN AN HISTORIC	DISTRICT?	TYES	■ NO	NAME									
19 PUBLIC ACCESSIBILITY	YES, LIM	ITED []YES. UNLIN]UNKNOWN	NTED	20. EX SL	BVEYS ►	OUNT	 □HABS	HAER-1	HAER	NPS	STATE	_
21 REFERENCES-HISTORICA	L REFERENCES	PERSONAL	CONTACTS	AND/OR OTHER									_

Fred Olne, Rio Grande County Road Supervisor. Oral interview with Clayton Fraser, 9 January 1984.

Ralph Off. Oral interview with Clayton Fraser, 15 March 1984. Off owns the adjacent ranch.

Field inspection by Clayton Fraser, 4 January 1984

22 INVENTORIED BY	AFFILIATION		DATE
Clavton Fraser and Carl Hallberg	Fraserdesign	Loveland Colorado	15 March 1984