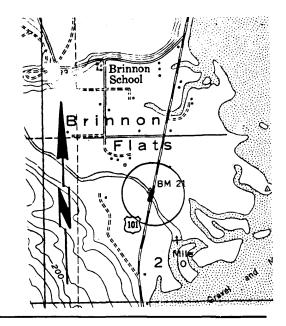
1. SITE I.D. NO						HA	HAER INVENTORY				Historic American Engineering Record Department of the Interior, Washington, D.C.						
2. INDUSTRIAL CLASSI	FICATION					T		3. PRIORI	ΤY	4. DANGER C		N?	YES			N	
Bridges, Tre	estles, an	<u>id Aqu</u>	<u>educts</u>	5	7 5) 5		1		,						
				T		ŀ		5. DATE		6. GOVT SOU	RCE OF THRE	AT	OV	VNER	ADMIN		
ARCH: Concr	rete					_		193	34/00	L							
Designation	Number:									7. OWNER/AI							
101/266 1010								<u> </u>				nent of	<u>Transpor</u>	<u>tation</u>			
8. NAME(S) OF STRUCT										9. OWNER'S							
Duckabush Ri	iver Bridg	Je										nistrati nington	on Build 98504	ing			
10. STATE WA								CONG DIST.		STATE COUNTY		COUNTY NAME			INITY	CONG.	
11. SITE ADDRESS (STR	<u>1 Jeffer</u>	son		L Duc	kabu	sh				12. EXISTING			1 11400			DIST.	
		D4								SURVEYS			HABS		—		
Crossing: Duckabush River										13. SPECIAL	EATURES (DE						
25.1 S Jct. SR 104/101																	
14. UTM ZONE	EASTING		NORTHI	ING				SIGN	SCALE	1:24	1:62.5						
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										OTHER_			QU. 				
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16. INVENTORIED BY									FFILIATION		_		_		DATE		
<u>Lisa Soderbe</u>												e Bridge	Invento	ry	June 19	79	
17. DESCRIPTION AND MATERIALS, EXTAN	BACKGROUND HIS	STORY, INC	CLUDING CO	ONSTRUC ERS, ENGI	TION D/ NEERS.	ATE(S ETC.), HIST(ORICAL DAT	E(S). PHYSICA	L DIMENSION	S.						
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is 24 feet w															-		
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is resisted																	
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the deck sla	ab is subj	ject t	o a te	ensil	e st	re	ss.	The d	double	functio	n of the	e deck s	lab was	an econ	omical sol	ution,	and it
eliminated t	the need c	of mas	sive	abutm	ents	•	Car	1 Cond	dit poir	nts out	in his	book, <u>A</u>	merican	Buildin	<u>g Art</u> , tha	t the c	oncrete
tied arch de	emonstrate	es how	<u>techr</u>	nique	<u>s_co</u>	111111	பார		in stee	el arch	constr	UCTION W	ADAPTIVE	Leu Lu	the concre	re (
<u>vehicular</u>	••••••						veh	<u>icular</u>	r	·····							
19. REFERENCES-HIS							ER										
State Depar	tment of]	iransp	ortat.	ion_f	iles	• .,	-	/ • •		1000	0.110	100 00					
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20. URBAN AREA 50,00 POP. OR MORE?			1000 C	S REGION	22	PUB	LIC ACO	ESSIBILITY		ES, LIMITED	X YES.	UNLIMITED				23. EDITOR	
PUP. UN MURE?	YES 🖾 NO			NW						0		NOWN				INDEXER	
24. LOCATED IN AN HIS	STORIC DISTRICT?			Man a													
		<u> </u>	ES 4	NO NO	N/	ME								TRICT I.D. NO			

FHR-8-260	1/79
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Description (continued)

form. For example, as in steel arch construction, the two arch ribs of the Duckabush River Bridge were connected by three struts to provide lateral rigidity against traffic and wind loads.

The visual impact of this short-spanned concrete overhead arch is monumental, and demonstrates the simple organic power of the concrete form. The Duckabush River Bridge is one of five concrete tied arches within the State. It is not the longest of the five, but its rise is the greatest. Although there are examples of tied arches that were built throughout the 20's and 30's, it is a rare concrete arch form.



REFERENCES (CONTINUED)

