

1. SITE I.D. NO

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HAER INVENTORYHistoric American Engineering Record
Department of the Interior, Washington, D.C.

2. INDUSTRIAL CLASSIFICATION Bridges, Trestles, and Aqueducts				7	6	0	3	3. PRIORITY 1	4. DANGER OF DEMOLITION? (SPECIFY THREAT) <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> UNKNOWN						
5. DATE 1913/66				6. GOVT SOURCE OF THREAT				OWNER		ADMIN					
TRUSS: Steel (deck) County Designation Number: 30000 BR 1				7. OWNER/ADMIN Clallam County				9. OWNER'S ADDRESS County Engineer Clallam County Courthouse Port Angeles, Washington 98362							
8. NAME(S) OF STRUCTURE Elwha River Bridge															
10. STATE WA COUNTY 009		COUNTY NAME Clallam		CITY/VICINITY Elwha		CONG. DIST. 03		STATE		COUNTY NAME		CITY/VICINITY		CONG. DIST.	
11. SITE ADDRESS (STREET & NO) Old 112 Highway S.T.R. 10 30N 7W								12. EXISTING SURVEYS <input type="checkbox"/> NR <input type="checkbox"/> NHL <input type="checkbox"/> HABS <input type="checkbox"/> HAER-I <input type="checkbox"/> HAER <input type="checkbox"/> NPS <input type="checkbox"/> CL6 <input type="checkbox"/> CONF <input type="checkbox"/> STATE <input type="checkbox"/> COUNTY <input type="checkbox"/> LOCAL <input type="checkbox"/> OTHER							
14. UTM ZONE EASTING NORTHING SIGN SCALE								13. SPECIAL FEATURES (DESCRIBE BELOW) <input type="checkbox"/> INTERIOR INTACT <input type="checkbox"/> EXTERIOR INTACT <input type="checkbox"/> ENVIRONS INTACT							
10		458570		5327470				<input checked="" type="checkbox"/> 1:24 <input type="checkbox"/> 1:62.5		QUAD NAME		Elwha, Washington			
								<input type="checkbox"/> OTHER							
								<input type="checkbox"/> 1:24 <input type="checkbox"/> 1:62.5							
								<input type="checkbox"/> OTHER							
15. CONDITION. 70 <input type="checkbox"/> EXCELLENT 71 <input type="checkbox"/> GOOD 72 <input type="checkbox"/> FAIR 73 <input type="checkbox"/> DETERIORATED 74 <input type="checkbox"/> RUINS 75 <input type="checkbox"/> UNEXPOSED 76 <input type="checkbox"/> ALTERED 82 <input type="checkbox"/> DESTROYED 85 <input type="checkbox"/> DEMOLISHED								16. INVENTORIED BY Lisa Soderberg				AFFILIATION HAER/Washington State Bridge Inventory		DATE June 1979	

17. DESCRIPTION AND BACKGROUND HISTORY, INCLUDING CONSTRUCTION DATE(S), HISTORICAL DATE(S), PHYSICAL DIMENSIONS,
MATERIALS, EXSTANT EQUIPMENT, AND IMPORTANT BUILDERS, ENGINEERS, ETC.

The Elwha River Bridge was constructed by Clallam County in 1913 as part of an effort to link the Olympic Peninsula with the rest of the State by wagon roads which would "serve the tourist as well as the agricultural and lumbering interests." The emphasis that the county placed on bridge and road construction at this time is reflected in the fact that although the county's total assessed valuation was barely \$10,000,000, about \$350,000 of the \$496,000 that was spent on bridge and road construction during the 1913-1915 biennium, was raised through direct taxation.

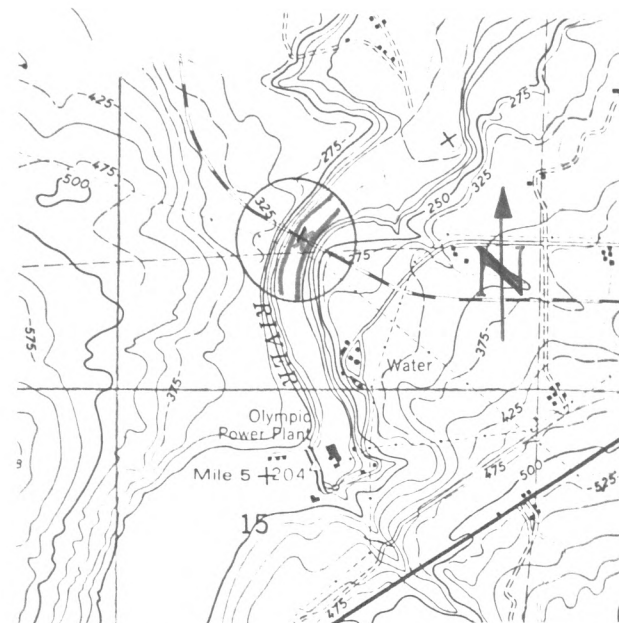
In order to complete an east and west road from the Jefferson County line to the Pacific Ocean, the county contracted the Portland Bridge Company to erect a two-span riveted carbon steel Warren deck truss over the Elwha River. The steel for the two 210 foot trusses was fabricated by the Northwest Steel Company. The 576 foot bridge also includes two timber approach spans. It supports a roadway 12.5 feet wide, curb to curb, and rests on concrete abutments 45 feet above the river.

(CONT OVER)

18. ORIGINAL USE vehicular		PRESENT USE vehicular		ADAPTIVE USE	
19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER Clallam County Bridge files. Washington State Highway Department, Fifth Biennial Report, (Olympia, 1915), pp. 103-104.					

(CONT OVER)

20. URBAN AREA 50,000 POP. OR MORE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		21. HCRS REGION NW		22. PUBLIC ACCESSIBILITY <input type="checkbox"/> YES, LIMITED <input checked="" type="checkbox"/> YES, UNLIMITED <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		23. EDITOR INDEXER	
24. LOCATED IN AN HISTORIC DISTRICT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO NAME DISTRICT I.D. NO							



DESCRIPTION (CONTINUED)

Although the bridge was built by the county, it was eventually acquired and maintained by the State as part of State Highway Route #112. In November 1974, the State transferred the bridge to the county.

The Elwha River Bridge is the oldest deck highway truss in the State. Its Warren truss configuration was patented in 1848, and is composed of diagonals which are placed alternately in tension and compression. Like most Warren trusses, the Elwha River Bridge is built with vertical members which increase the rigidity of the structure. This simple single system of triangles continues to be used by engineers in modern steel trusses. The Elwha River Bridge is significant as the oldest Warren truss in the State constructed for highway use.

ABSTRACT												
HAER NO	LC	TECH REPORT	HIST REPORT	CONTEMP PHOTO	HIST PHOTO	CONTEMP DRWG	HIST DRWG	COLOR PLATE	PHOTOGRAM	SW	FILM	