

## LIST OF WASHINGTON STATE BRIDGE FAILURES BY VARIOUS FORCES

DATE OF DESTRUCTION	BRIDGE NUMBER	BRIDGE NAME	FEATURE CROSSED	YEAR BUILT	DESCRIPTION OF BRIDGE SPANS
August 21, 2009	241/17	Dry Creek	Dry Creek	unknown	3 Span Untreated Timber
December 15, 1999	101/214	Nolan Creek	Nolan Creek	1931	Single span concrete T-beam Bridge
March 4, 1998	165/10	CARBON RIVER BRIDGE	CARBON RIVER	1921	(SIMPLE) STL SPANDREL ARCH,W/ TTT APPROACHES.
February 9, 1996	12/320	NACHES RIVER BRIDGE	NACHES RIVER	1938	(CONTINUOUS) 5 SPAN CONC BOX GIRDER W/ IN-SPAN HINGE @ ONE SPAN.
November 25, 1990	90/25S	LACEY V. MURROW	LAKE WASHINGTON	1940	CONC PONTOONS, STL. ARCHES & TRUSSES, CONC. GIRDER APPR.
November 24, 1990	162/14	CARBON RIVER BRIDGE	CARBON RIVER	1971	(CONTINUOUS) SPAN PRECAST CONCRETE BEAM.
November 10, 1989	542/10	NOOKSACK RIVER - NUGENTS	NOOKSACK RIVER	1946	3 - THROUGH TRUSS (BLT 1929) & (CONTINUOUS) 20 CONCRETE SLAB SPANS.
October 4, 1984	106/2	SKOKOMISH RIVER BRIDGE	SKOKOMISH RIVER	1927	THROUGH TRUSS AND CONCRETE T-BEAM SPANS.
May 18, 1980	504/10	N.FK.TOUTLE R-COALBANKS	N. FORK TOUTLE RIVER	1972	4 SPAN STEEL BEAM.
May 18, 1980	504/19	ALDER CREEK BRIDGE	ALDER CREEK	1954	(CONTINUOUS) THREE CONC. T-BEAM SPANS.

May 18, 1980	504/20	ST. HELEN'S BRIDGE	TOUTLE RIVER	1949	STEEL THROUGH TRUSS AND CONCRETE T-BEAM.
May 18, 1980	504/46TA	COLDWATER CREEK BRIDGE, 504/30(OLD)	COLDWATER CREEK	1933	(CONTINUOUS) 3 SPAN STEEL BEAM.
May 18, 1980	504/102	N.FK.TOUTLE RIVER BRIDGE	N. FORK TOUTLE RIVER	1938	(CONTINUOUS) 5 SPAN T-BEAM.
December 14, 1979	101/302	RUSSELL BARKER MEMORIAL BRIDGE	BOGACHIEL RIVER	1925	1 THROUGH TRUSS AND 2 CONCRETE T-BEAM SPANS.
November 28, 1979	970/10	TEANAWAY RIVER BRIDGE	TEANAWAY RIVER BRIDGE	1922	1 THROUGH TRUSS AND CONCRETE T-BEAM SPANS.
August 20, 1979	410/220	LITTLE NACHES RIVER BR.	LITTLE NACHES RIVER	1928	PONY TRUSS.
February 13, 1979	104/5	HOOD CANAL BRIDGE	HOOD CANAL	1961	FLOATING PONTOONS, TRUSSES, MOVABLE SPANS & BEAMS.
October 1, 1978	12/272	JOHNSON CREEK BRIDGE	JOHNSON CREEK	19	CONTINUOUS "BOB-TAIL". T-BEAM BRIDGE
December 3, 1977	706/9	GOAT CREEK BRIDGE	GOAT CREEK	1922	CONCRETE T-BEAM.
December 2, 1977	508/20	BEAR CANYON	BEAR CREEK	1936	(SIMPLE) TWO DECK TRUSSES AND 9 TIMBER TRESTLES.
December 2, 1977	508/22	CREEK	CREEK	UNKN	(SIMPLE) 5 SPAN TIMBER TRESTLE.
January 19, 1974	97/20	SATUS CREEK BRIDGE	SATUS CREEK	1959	(CONTINUOUS) CONCRETE SLAB.
January 19, 1974	97/103	SATUS CREEK 3RD CROSSING	SATUS CREEK	1942	(SIMPLE) APPROACH TIMBER AND MAIN STEEL BEAM.
January 19, 1974	97/102	SATUS CREEK-4TH CROSSING	SATUS CREEK	1942	(SIMPLE) STEEL BEAM AND TIMBER TRESTLE.
January 19, 1974	97/111	SATUS CREEK-1ST CROSSING	SATUS CREEK	1942	(SIMPLE) STEEL BEAM AND TIMBER TRESTLE.
January 19, 1974	142/8	KLICKITAT RIVER BRIDGE	KLICKITAT RIVER	1954	(SIMPLE) PRE-STRESSED CONCRETE.
February 4, 1971	542/35	COAL CREEK BRIDGE	COAL CREEK	1945	(SIMPLE) CONCRETE SLAB.

January 1, 1971	241/18	DRY CREEK BRIDGE	DRY CREEK	UNKN	(SIMPLE) THREE TIMBER SPANS.
August 5, 1968	173/10	COLUMBIA RIVER, BREWSTER	COLUMBIA RIVER	1927	(CONTINUOUS) THROUGH TRUSS, DECK TRUSS & GIRDER.
November 1, 1967	14/26(1960'S)	COWLITZ RIVER - NESIKA	COWLITZ RIVER	UNKN	(SIMPLE) 3 STEEL TRUSS AND TIMBER APPROACH SPANS.
November 15, 1966	12/245	LAKE CREEK (5-L/1)	LAKE CREEK	1950	(SIMPLE) TREATED TIMBER TRESTLE.
January 29, 1965	410/115	SCATTER CREEK BRIDGE (5/303)	SCATTER CREEK	1932	(CONTINUOUS) CONCRETE T-BEAM.
June 1, 1964	12/271	SMITH CREEK BRIDGE (5-WP/25)	SMITH CREEK	UNKN	CONCRETE T-BEAM.
March 27, 1964	109/17	COPALIS RIVER BRIDGE (9-C/21)	COPALIS RIVER	1952	(SIMPLE) TIMBER PILE TRESTLES.
March 27, 1964	109/20	JOE CREEK BRIDGE (9-C/16)	JOE CREEK	1953	(SIMPLE) CONCRETE SLAB ON TREATED TIMBER PILE BENTS.
November 19, 1962	20/271	ROCKY CREEK BRIDGE (16/256)	ROCKY CREEK	1947	(SIMPLE) STEEL BEAM SPANS SPANS.
November 19, 1962	542/32	GALLUP CREEK BRIDGE (1-AP/15)	GALLUP CREEK	1956	(SIMPLE) STEEL BEAM ON CONCRETE SPREAD FTG.
November 20, 1959	PSH 2/410	PESHASTIN CREEK	PESHASTIN CREEK	1923	(CONTINUOUS) THREE SPAN CONCRETE T-BEAM
January 5, 1956	PSH 1/802	SALMON CREEK BRIDGE	SALMON CREEK	1927	CONCRETE T-BEAM ON SPREAD FOOTINGS
December 11, 1955	162/20	SOUTH PRARRIE CREEK BRIDGE	SOUTH PRARRIE CREEK	1941	(SIMPLE) 9 TIMBER TRESTLE SPANS.
September 9, 1949	12/512	SNAKE RIVER @ BURBANK (3/621)	SNAKE RIVER	1920	(CONTINUOUS) THRU & DECK TRUSS & CONCRETE APPROACHES.
February 23, 1949	PSH 1/802	SALMON CREEK BRIDGE	SALMON CREEK	1927	CONCRETE T-BEAM ON SPREAD FOOTINGS

June 14, 1948	PSH 16/101	ROBINSON CREEK BR.	ROBINSON CREEK	UNKN	(SIMPLE) LOG STRINGER.
June 14, 1948	PSH 16/102	LOST RIVER BRIDGE	LOST RIVER	UNKN	(SIMPLE) 9 ORIGINAL LOG STRINGER SPANS, 5 AT WASHOUT.
June 14, 1948	PSH 16/104	METHOW RIVER BRIDGE	METHOW RIVER	1918	(SIMPLE) SALVAGED STEEL TRUSS AND TIMBER TRESTLES.
June 14, 1948	PSH 16/19 (1963)	LITTLE BOULDER CREEK BR (16/105)	LITTLE BOULDER CREEK	UNKN	(CONTINUOUS) 2 SPAN LOG STRINGER.
June 14, 1948	20/621	CHEWUCK RIVER BRIDGE (16/107)	CHEWUCK RIVER	UNKN	(SIMPLE) PONY TRUSS AND 7 TIMBER TRESTLES ON CONCRETE PIER BLOCKS.
June 14, 1948	20/624	METHOW RIVER @ WINTHROP (16/108)	METHOW RIVER	1933	(SIMPLE) 3 PONY TRUSSES AND 2 TIMBER TRESTLES.
June 14, 1948	20/636	METHOW RIVER BRIDGE @ TWISP (16/112)	METHOW RIVER	1931	(COMBINATION) CONC. T-BEAM.
June 14, 1948	153/16	METHOW RIVER BRIDGE (16/115)	METHOW RIVER	1939	(COMBINATION) CONCRETE T-BEAM.
June 14, 1948	153/15	METHOW RIVER BRIDGE (16/116)	METHOW RIVER	1939	(COMBINATION) CONCRETE T-BEAM.
June 14, 1948	153/4	METHOW RIVER BRIDGE (16/120)	METHOW RIVER	1933	(COMBINATION) 8 SPAN CONCRETE T-BEAM.
June 1, 1948	2/311	PINE CREEK BRIDGE (2/305)	PINE CREEK	1918	SINGLE SPAN LUTEN ARCH ON BED ROCK.
May 31, 1948	PSH2/510	CLE ELUM RIVER BRIDGE	CLE ELUM RIVER	1929	(SIMPLE) STEEL THRU TRUSS, CONC T-BEAM APPROACHES
September 24, 1947	507/126.5	CENTRALIA POWER CANAL BR. (5-H/103)	CENTRALIA POWER CANAL	1936	(SIMPLE) TIMBER HOWE PONY TRUSS

February 6, 1947	PSH 8/303	WASHOUGAL RIVER BRIDGE	WASHOUGAL RIVER	1926	THROUGH TRUSS AND CONCRETE T-BEAM APPROACHES.
December 11, 1946	7/105	MASHEL RIVER BRIDGE (5-TR/7)	MASHEL RIVER	1916	SINGLE SPAN CONCRETE FILLED SPANDREL ARCH.
December 11, 1946	504/20	ST. HELEN'S BRIDGE (1-R/6)	TOUITLE RIVER	UNKN	(SIMPLE) STEEL TRUSS ON CONCRETE PIERS, TIMBER TRESTLE APPROACHES
October 25, 1945	20/271	ROCKY CREEK BRIDGE (17-A/12)	ROCKY CREEK	1929	(SIMPLE) 1 UNTREATED TIMBER THRU 102' HOWE TRUSS & 3 UNTREATED LOG STRINGER SPANS.
October 25, 1945	542/32	GALLUP CREEK BRIDGE (1-AP/12)	GALLUP CREEK	UNKN	(SIMPLE) SIX UNTREATED TIMBER SPANS.
November 12, 1943	12/265	CORA BRIDGE (5-WP/20)	COWLITZ RIVER	1925	(SIMPLE) THRU TRUSS, PONY TRUSS & TIMBER TRESTLE.
June 26, 1943	542/44	RAZORHONE CREEK (LOWER) (1-AP/3)	RAZORHONE CREEK	UNKN	(SIMPLE) THREE LOG SPANS.
June 26, 1943	542/45	RAZORHONE CREEK (UPPER) (1-AP/2)	RAZORHONE CREEK	UNKN	(SIMPLE) FOUR LOG SPANS.
May 1, 1943	6/118	ADNA BRIDGE (12/5)	CHEHALIS RIVER	1932	(SIMPLE) STEEL TRUSS & TREATED TIMBER TRESTLE.
March 2, 1943	09-Jul	LINDBERG OVER CROSSING (5-EK/7)	C.M.ST.R.&P. RAIL ROAD.	1933	(SIMPLE) ONE STEEL BEAM SPAN AND 11 TIMBER STRINGER.
September 26, 1942	231/101	LONG LAKE BRIDGE (3-J/1).	SPOKANE RIVER	1911	(SIMPLE) QUADRANGULAR THROUGH WARREN WITH VERTICALS.
November 7, 1940	16/110	TACOMA NARROWS (14-PT/1)	PUGET SOUND, TACOMA NARROWS	1940	(CABLE SUSPENSION SPAN), SUSPENDED GIRDERS AND STEEL GIRDER APPR'S.
May 24, 1939	PSH 22/8	DETILLION BRIDGE	SPOKANE RIVER	UNKN	(SIMPLE) TIMBER TRESTLE APPROACH SPANS AND PIN CONNECTED STEEL TRUSS.
January 1, 1923	OB/104	KELSO- LONGVIEW BRIDGE (OCEAN BEACH HIGHWAY)	COWLITZ RIVER	UNKN	(CABLE SUSPENSION SPAN) TIMBER PONY DOUBLE BASCULE

May 2, 1905	173/10	COLUMBIA RIVER, BREWSTER (10-BC/1)	COLUMBIA RIVER	1927	(CONTINUOUS) THROUGH TRUSS, DECK TRUSS & GIRDER.
April 17, 1905	202/60	SNOQUALMIE RIVER BRIDGE (2-BO/1)	SNOQUALMIE RIVER	1931	(SIMPLE) STEEL THROUGH TRUSS, CONC. T-BEAM APPR'S.

Summary:

COLLISION	4	OVERLOAD	3	UNKNOWN
FIRE	9	STORM	3	VOLCANO
FLOOD	43	TSUNAMI	2	BRIDGES (total)

FOOTNOTES - TEMPORARY DETOUR USED:

! - BAILEY BRIDGE,  
 !! - MILITARY PONTOON  
 !!! - MISCELLANEOUS SPANS

!!!! - BRIDGE OR ROUTE ELIMINATED  
 !!!!! - DETOUR ROUTE

REHAB - SPANS REFURBISHED  
 PARA - PARALLEL BRIDGE USED

DESCRIPTION OF CONSTRUCTION MATERIALS	DESCRIPTION OF FAILURE	REHAB./REPLACEMENT COMMENTS	FOOT-NOTES
Untreated Timber	On Aug. 21, 2009, lightning sparked a brush fire that consumed the old timber bridge that crosses Dry Creek on State Route 241 in Yakima County.	WSDOT maintenance and engineering workers dismantled the scorched remains of the bridge and brought in a culvert and gravel to construct a temporary repair. The highway reopened on Aug. 23.	P
CAST IN PLACE CONCRETE, SPREAD FTGS.	FLOOD - North abutment had dropped 12" on the NE corner, dropped 7" NW, raised 1" SE, and raised 1 1/2" SW. 18" deep sink hole 12' diameter at NE corner behind abutment.	Maintenance forces "fixed" the bridge by grouting under the footing, placing large rock in the stream, and overlaying the deck (to minimize the bump). Bridge will be replaced in 2001 by ER Fund.	P
STEEL MAIN SPAN WITH TIMBER DECK AND TREATED TIMBER APPRS.ON CONCRETE PEDISTALS.	FIRE - 8 S. APPR TBR SPANS AND 2 DECK PNLS. 1 FATALITY, A. J. McCARTHY CAR HIT POWER POLE IGNITING BRIDGE.	2 DECK PANELS OF MAIN SPAN AND S. 8 APPR. BRIDGE SPANS REPLACED IN KIND.	!!!!P
CAST IN PLACE CONCRETE, STEEL HANGERS @ HINGE. CIP CONC. SPREAD FTGS.	FLOOD - WASHED OUT RIP RAP & PIER 4 DROPPED ~4 FEET ON D/S SIDE.	TEMP 2 SPAN BAILEY BLT ON EXISTING BR. 1996 - 3 SPAN CONT. PCB W/ DRILLED SHAFT FTGS.	!P
ANCHORED CONC. PONTOONS, STL. AND CONC. SPANS.	STORM - DURING RENOVATION, HEAVY RAINS CONTRIBUTED TO SINKING.	NEW CONC. PONTOONS AND COMPLETE REHABILITATION OF APPROACH SPANS.	PARAP
CAST IN PLACE SPREAD FOOTING PIERS, PRECAST CONCRETE BEAMS.	FLOOD - CENTER PIER UNDERMINED.	NEW 3 SPAN PRECAST CONCRETE BEAM BRIDGE, 1993. TEMP - ABANDON RR BR.	PARAP
STEEL TRUSSES, CONCRETE PILES, PIERS & SLABS.	FLOOD - COLLAPSE OF 4 CONCRETE SLAB SPANS.	TEMP. STEEL BEAM, TIMBER FLOOR, AND H-PILE BENTS.	!!!P
STEEL TRUSS AND CONCRETE T-BEAMS AND PIERS.	COLLISION - LOGGING SPAR POLE PULLED IN SWAYS.	9 PRE-STRESSED CONCRETE T-BEAMS, 1987.	!!!!P
STEEL BEAM AND CONCRETE PIERS.	VOLCANO - MUD FLOW-TOTAL DESTRUCTION.	4 SPAN STEEL BEAM AND CONCRETE PIERS, 1982.	!P
CONCRETE.	VOLCANO - BURIED BY VOLCANIC DEBRIS.	PCB SPAN, '82, NEW ALIGN-MENT ELIMINATED SPAN.	!!!!P

STEEL AND CONCRETE.	VOLCANO - MUD FLOW-TOTAL DESTRUCTION.	NEW ALIGNMENT, ELIMINATED SPAN.	!!!!P
STEEL BEAM WITH DROP IN SPAN AND CONCRETE PIERS.	VOLCANO - MUD FLOW-TOTAL DESTRUCTION.	TEMPORARY STEEL BEAM WITH TIMBER DECKING, '93.	!!!!P
CONCRETE.	VOLCANO - BURIED BY VOLCANIC DEBRIS.	NEW ALIGNMENT, ELIMINATED SPAN.	!!!!P
STEEL TRUSS, CONCRETE T-BEAMS & PIERS ON BEDROCK.	FLOOD - WIPED OUT APPROACH SPAN. ONE FATALITY WHEN 3 VEHICLES DROVE INTO VOID.	TEMP. STEEL BEAM SPANS. 3 SPAN PRE-STRESSED CONCRETE BEAM, 1985.	!!!!P
STEEL TRUSS, CONCRETE T-BEAMS ABANDON. TRUSS ON TEMPORARY EARTH FILL.	FLOOD - WIPED OUT TEMPORARY EARTH FILL, TRUSS WASHED D/S.	NEW BRIDGE COMPLETED SHORTLY, 3 SPAN PRE-STRESSED CONCRETE BEAM, 1985.	PARAP
STEEL.	COLLISION - BY DOZER ON LOW BOY TRAILER-CUT END POST.	3 SPAN STEEL BEAM, 1980.	!P
CONCRETE AND STEEL.	WIND STORM - SUNK FLOATING CONCRETE PONTOON SPAN.	1982, REPLACED IN KIND WITH IMPROVED SYSTEMS.	FERRYYP
CONCRETE SUPER & SUB W/ SPREAD FOOTING.	FLOOD - WASHED OUT EAST APPROACH & PIER FOOTING.	PIER RAISED AND APPROACH FILL REPAIRED..	REHABP
CONCRETE.	FLOOD - WIPED OUT CONCRETE T-BEAM.	1982, REPLACED WITH PRE-STRESSED CONCRETE T-BEAM.	!P
TREATED TIMBER.	FLOOD - DEBRIS WIPED OUT CENTER BENT AND 2 TRUSSES.	3 SPAN PRE-STRESSED CONCRETE BEAM, 1983.	!!!! P
TREATED TIMBER ON POSTS AND SILLS.	FLOOD - 3 SPANS DESTROYED	CULVERT AND FILL.	!!!!P
CIP CONCRETE SLAB AND SPREAD FOOTINGS.	FLOOD - WASHED OUT ABUTMENT SPREAD FOOTING DROPPING IT 2 TO 3 FEET.	ABUTMENT RAISED AND CRACKS LATER REPAIRED.	P
STEEL BEAM, CONC MAIN PIERS, TREATED TIMBER TRESTLE.	FLOOD - WASHED OUT 3 TIMBER SPANS AND 1 MAIN PIER.	TWO PRE-STRESSED CONCRETE BEAMS, 1975.	!!!!P
STEEL BEAMS AND TREATED TIMBER TRESTLE.	FLOOD - TIMBER APPROACH SPAN FAILED.	REPLACED IN KIND.	P
STEEL BEAMS AND TREATED TIMBER TRESTLE.	FLOOD - TIMBER APPROACH SPAN FAILED.	REPLACED IN KIND.	
CONCRETE.	FLOOD - SUPERSTRUCTURE WASHED D/S ~ 1/4 MILE.	PRE-STRESSED CONCRETE BEAM, 1975.	
CONCRETE.	FLOOD - WASHED OUT BRIDGE.	SIMPLE SPAN PRE-STRESSED CONCRETE BEAM, 1971.	!P



UNTREATED TIMBER TRESTLE.	FLOOD - WASHED OUT 3 TIMBER SPANS.	5 - 5 FOOT DIAMETER CULVERTS AND FILL.	!!!!
STEEL TRUSSES & GIRDERS WITH TIMBER FLOOR SYSTEM.	FIRE - CONST. WORKER'S CUTTING TORCH, TRUSS SPANS.	STEEL GIRDER AND STEEL BEAM, 1970.	P
TIMBER FLOOR SYSTEM, STEEL TRUSS, TREATED TIMBER PILES.	FIRE - CUTTING TORCH SET MIDDLE TRUSS TIMBER DECK ON FIRE, DECK DESTROYED.	NOT REPLACED. NEW ROUTE.	!!!!
TREATED TIMBER AND CONCRETE SPREAD FOOTINGS.	FLOOD - SCOUR OF CENTER BENT CONCRETE SPREAD FOOTING.	3 SPAN CONCRETE SLAB BRIDGE IN 1966.	!!!! P
CONCRETE.	FLOOD - ~2 OF 5 CONCRETE T-BEAM SPANS WIPED OUT.	3 SPAN PRE-STRESSED CONCRETE T-BEAM, 1965.	!P
CONCRETE.	FLOOD.	CONCRETE T-BEAM, 1962. ROUTE REALIGNMENT, 1965.	!
TREATED TIMBER.	TSUNAMI - 3 OF 14 TREATED TIMBER TRESTLE SPANS.	REPAIRED IN KIND.	
CONCRETE SLAB AND TIMBER PILE.	TSUNAMI - 2 OF 20 CONC SLABS ON TREAT TIMB BENTS.	REPAIRED IN KIND.	P
CONCRETE SPREAD FOOTINGS. STEEL ROLLED BEAMS WITH CONC SLAB.	FLOOD - WASHED OUT BOTH ABUTMENTS APPROACH SPANS DROPPED	DETOUR ROUTE UNTIL JAN, 1963 WHEN ABUTMENTS AND APPR. SPANS REPOSITIONED.	REHABP
STEEL BEAMS, CONCRETE DECK & PIERS.	FLOOD - WASHED OUT EAST ABUTMENT, DROPPED 4'-6".	ABUTMENT RAISED & NEW FOOTING CAST, 1963.	REHAB P
CIP CONCRETE T-BEAM ON SPREAD FOOTING.	FLOOD - WASHED OUT THE NORTH ABUTMENT DROPPING APPROX 8 FEET.	PLACED FILL UP TO THE NORTH INTERIOR PIER. ROUTE REALIGNED - BR. ELIMINATED	!!!!P
REINFORCED CONCRETE.	FLOOD - WASHED OUT SOUTH INTERIOR PIER SPREAD FOOTING , 2 SPANS DROPPED (SEE 1949 WASHOUT).	REBUILT PIER , CTR PIER ARMORED W/ SHEET PILE & RIP RAP, NEW APPR. SLAB SPANS. ROUTE ABANDON FOR I-5, 1959	!P
CEDAR TRESTLE (MAY BE TEMP. FOR FAILED ST TRUSS).	FLOOD - WASHED OUT 6 OF 9 UNTREATED TIMBER SPANS.	3 SPAN CONTINUOUS CONCRETE GIRDER, 1956.	!P
STEEL TRUSSES AND CONCRETE T-BEAM APPROACHES.	FIRE.	1950, STEEL THRU TRUSS, DECK TRUSS & CONC T-BEAM.	!!P
REINFORCED CONCRETE.	FLOOD - WASHED OUT NORTH INTERIOR PIER SPREAD FTG, 2 SPANS SETTLED.	REBUILT PIER FTG, SHEET PILE DROP STRUCT. & RIP RAP. TIMB. DETOUR BRIDGE.	!!!P

LOG STRINGER.	FLOOD - WASHED OUT BRIDGE.	ROUTE ABANDON BY STATE IN 1949-50. REPLACED WITH A CULVERT, ~1963.	!!!!P
LOG STRINGER WITH MAIN PIER ROCK FILLED LOG CRIB.	FLOOD - WASHED OUT BRIDGE. PRIOR TO FLOOD PIER SCOUR REPAIRED & 4 ROTTEN SPANS REPLACED WITH FILL	TEMPORARY LOG STRINGER UNTIL ROUTE ABANDON BY STATE IN 1949-50.	!!!!P
STEEL RIVETED TRUSS TIMBER TRESTLES AND CIP CONCRETE MAIN PIERS.	FLOOD - DESTROYED APPROACH SPAN TIMBER TRESTLES.	REPLACED TIMBER APPROACHES PLUS 60 FEET. ROUTE ABANDON.	!!!!P
LOG STRINGER WITH LOG CRIB ABUTMENTS.	FLOOD - WASHED OUT BRIDGE.	1948 - LOG STRINGER UNTIL REPLACED WITH A CULVERT, 1963.	!!!P
UNTREATED TIMBER TRESTLES AND STEEL PONY TRUSS.	FLOOD - WASHED OUT FOUNDATION OF TWO BENTS.	TEMP TIMB SHORING AND REBUILT IN 1951. 1961 - CONTINUOUS CONCRETE BOX BRIDGE.	REHABP
TREATED TIMBER TRUSSES AND TRESTLES.	FLOOD - DESTROYED 2 OF 3 PONY TRUSS SPANS.	1950-4 SPAN CONC T-BEAM & 1 SALV. 1929 THRU TRUSS.	!!!!P
CONC. SUPER & SUBSTRUC-TURE ON UNTREATED TIMBER PILE (ABUT. SPREAD FOOT-ING) D/S RAIL TIMBER SDWK.	FLOOD - WASHED OUT ABUT. SPREAD FTG AND APPROACH SPAN. DESTROYED ENTIRE SIDEWALK.	1950-2 CONC. T-BEAM SPANS ADDED. SIDEWALK REBUILT. BAILEY USED UNTIL TIMB. DETOUR BLT D/S , 1949.	!P
CONC. SUPER & SUBSTRUC-TURE ON UNTREATED TIMBER PILE (ABUT. SPREAD FTG).	FLOOD - DESTROYED 3 OF THE 6 CONCRETE T-BEAM SPANS.	COLLAPSED SPANS REPLACED BY CONCRETE T-BEAM, 1949.	!!!!P
CONC. SUPER & SUBSTRUC-TURE ON UNTREATED TIMBER PILE (ABUT. SPREAD FTG).	FLOOD - DROPPED SOUTH ABUTMENT SPREAD FOOTING DUE TO SCOUR..	RAISED SPAN & FOOTING AND RIP RAP BANK, 1949.	REHABP
CONC. SUPER & SUBSTRUC-TURE ON UNTREATED TIMBER PILE (ABUT. SPREAD CONCRETE AND FILL.	FLOOD - WASHED OUT 2 OF 8 CONTINUOUS CONCRETE SPANS.	TIMBER TRESTLE TEMP SPANS. STEEL THRU TRUSS & 4 SPAN CONC. T-BEAM,	!!!!P
	FLOOD - WIPED OUT BRIDGE. FOUNDATION VISIBLE IN 1995.	3 SPAN CONCRETE T-BEAM, 1949.	P
STEEL THROUGH TRUSS, CIP CONCRETE T-BEAM AND SPREAD FOOTINGS.	FLOOD - DROPPED EAST MAIN PIER AND ABUTMENT.	REPLACED BY FILLED CONC SPANDREL ARCH, SEPT 27, 1948.	!!!!!!P
TIMBER WITH STEEL ROD TENSION MEMBERS. TIMBER FLOOR SYSTEM.	COLLISION - EARTH MOVER TOOK OUT ONE TRUSS LINE.	SHORED AND REBUILT BY DISTRICT FORCES. REPLACED BY CONC. SLAB, 1954.	REHABP

STEEL WITH CONCRETE PIERS AND APPROACH SPANS.	FIRE - COLLISION OF FUEL & HAY TRUCK. STEEL FAILED.	STEEL GIRDERS. REMOVED IN 1966, ROUTE REALIGNED.	!!!P
CONCRETE.	FLOOD - DESTROYED CONCRETE FILLED SPANDREL ARCH.	3 STEEL BEAM SPANS, 1948.	!P
RIVETED STEEL THROUGH TRUSS, TIMBER TRESTLE	FLOOD - BRIDGE COMPLETELY DESTROYED.	STEEL TRUSS SPAN & CONCRETE APPROACH SPANS, 1950.	!P
TRUSS - SAWN TIMBER W/ STEEL RODS AND LOG STRGS APPR SPANS. PIERS - TIMBER POSTS ON CONC. PEDISTALS	FLOOD - WASHED OUT BRIDGE.	SINGLE SPAN LOG STRINGER DETOUR UNTIL OCT, 1947 WHEN 3 SPAN STEEL BEAM BRIDGE BUILT.	!!!P
UNTREATED SAWN TIMBER STRINGERS.	FLOOD - WASHED OUT BRIDGE.	4 SPAN TIMBER TRESTLE ,3 SPAN STEEL BEAM, 1956.	!!!P
STEEL TRUSSES AND UNTREATED TIMBER TRESTLE.	COLLISION - LOST LOG LOAD, DAMAGED WEB MEMBERS, COLLAPSED THRU TRUSS.	5 STEEL BEAM SPANS & A STEEL THRU TRUSS SPAN, 1948.	!!!P
LOG STRINGERS.	OVERLOAD - COLLAPSED DUE TO HEAVY SNOW LOADING.	1 SPAN CONCRETE T-BEAM BRIDGE, 1946.	!!!P
LOG STRINGERS.	OVERLOAD - COLLAPSED DUE TO HEAVY SNOW LOADING.	1 SPAN CONCRETE SLAB BRIDGE, 1945.	!!!P
CONCRETE DECK, STEEL TRUSS, TREATED TIMBER.	FIRE - 22 APPROACH TIMBER BENTS DESTROYED.	3 SPAN STEEL BEAM BRIDGE IN 1970.	REHABP
MAIN-STEEL, APPROACH-TREATED TIMBER. CONCRETE DECK.	FIRE - DESTROYED 11 TREATED TIMBER APPROACH SPANS.	6 CONCRETE T-BEAM SPANS BUILT IN 1944.	!!!!P
UNTREATED TIMBER WITH STEEL VERTICALS, CONC. ABUTMENTS.	OVERLOAD - FLOCK OF SHEEP WITH SOME DECAY NOTED IN MEMBERS (POSTED @ 5 TONS).	1949 - CONCRETE SPANDREL ARCH & 7 CONCRETE GIRDER SPANS.	!!!P
STEEL WIRE & CABLE SUSPENDERS WITH STEEL GIRDER, CONC. PIERS.	WIND STORM - SUSPENDED GIRDER SPAN OSCILLATION & FAILURE (GALLOPING GIRDER).	STEEL SUSPENSION SPANS WITH SUSPENDED TRUSSES, 1949.	FERRY P
PIN CONNECTED STEEL TRUSS, CONCRETE PIERS, TIMBER TRESTLE.	UNKNOWN - COLLAPSE OF STEEL TRUSS MAIN SPAN.	ROUTE REALIGNED. STEEL CONTINUOUS TRUSS BUILT IN 1941 (25/6).	!!!!P
TIMBER TOWERS, BASCULE TRUSSES AND SUPER WITH WIRE CABLE SUSPENDERS	UNKN - TIMBER TOWER COLLAPSED, STEEL WIRES BROKEN, FATALITIES KNOWN.	STEEL LIFT & THRU TRUSS REPLACEMENT BEING BUILT @ TIME OF FAILURE.(CN559).	P

STEEL TRUSSES & GIRDERS WITH TIMBER FLOOR SYSTEM.	FLOOD - PIER 2 FOOTING OF TRUSS SPANS SETTLED DUE TO SCOUR.	PIER CUT FROM FOOTING, RAISED AND NEW FOOTING CAST.	REHABP
STEEL MAIN SPAN, CONCRETE SUBSTRUCTURE AND APPR. SPANS.	FIRE - FUEL TRUCK EXPLOSION ON STEEL SPAN.	STEEL THROUGH TRUSS WAS RAISED AND DAMAGED STEEL WAS REPLACED.	REHABP

2

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71

FERRY - FERRY BOAT  
P - PHOTOS AVAILABLE