

A Note on How This List Was Compiled

The following table was compiled by review of New Hampshire Department of Transportation (NHDOT) bridge plan files at the main office in Concord. Unless otherwise noted, Robert J. Prowse is attributed as the principal designer based on his initials entered in the “designed by” block of the plans. This list is believed to represent a majority of the projects designed by Prowse while working for the New Hampshire State Highway Department from 1934 to 1969, but it is not believed to be a comprehensive list. NHDOT retains plans for bridges that continue in service but does not always retain plans for bridges that are replaced. Plans for replaced bridges are typically sent to the state archives for storage. Stored plans were not readily accessible and may have been disposed of due to retention schedules.

\* A representative selection of Prowse’s plan sheets have been selected for reproduction in this portfolio appendix. The plan sheets are presented in chronological order and follow the table. Special thanks go to the NHDOT bridge department for scanning the plans. An asterisk next to the town name in the table indicates that a plan sheet has been included in the portfolio.

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1934	Belmont-Tilton * See p.A-16	Bridge on Winnisquam Rd. over Winnisquam Lake	T3	Adding sidewalk to pre-existing truss bridge
1934	Epping	Bridge on Southside Rd.	T13	Survey drawing of brick-faced, reinforced-concrete rigid frame bridge
1934	Littleton	Roadway Improvements on Waterford-Littleton Rd.	P32	Roadway plans and sections traced by R. J. Prowse.
1935	Dover	Central Rd. over B&M RR	T12	Design of deck slab for steel stringer bridge
1935	Gilsum * See p.A-17	Bridge No. 092/121 (Dartmouth College Rd. over Ashuelot River)	T19	Design of wingwalls for welded steel rigid frame bridge. Drawings by R. J. Prowse. Design of superstructure by H. E. Langley
1935	Hampton	East Side Rd. over B&M RR	1-11-1	Roadway relocation. Drawings traced by R. J. Prowse. Design by RDF

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-2

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1935	Hampton	Bridge No. 1.2V (Lafayette Rd. over B&M RR)	1-11-1	Section, curb, outlet, and approach roadway drawn by R. J. Prowse. Design by the bridge department
1935	Haverhill	NH 10 over B&M RR	U2	Design of crib retaining wall
1935	North Hampton * See p.A-18	Bridge No. 148/132 (Bridge on US 1 over RR, Drakes Overpass)	U16	Drawings and design details of 39-ft. T beam bridge
1935	Sandwich	Whiteface Rd. over Cold River	U23	58-ft.-long T beam bridge
1935	Thornton	Compton Rd. over Mill Brook	U28	Project plan and profile for 40-ft.-long T beam bridge
1936	Bartlett	Bridge on US 302 over Rocky Branch	1-12-2	Riveted Pratt through truss. Drawings by R. J. Prowse. Design by JHW
1936	Bellows Falls-Walpole	Bellows Falls Arch Bridge	2-13-1-3	Design of new floor and sidewalk rail for the steel through arch bridge built in 1904
1936	Epping	Bridge over Lamprey River on Epping-Lee Rd.	1-11-2	Design of utility conduit to be attached to pre-existing bridge
1936	Lyme	Bridge No. 052/153 (North Thetford Rd. over Connecticut River)	1-10-2-4	Riveted Warren through truss to replace span lost in 1936 flood (eastern span of two-span bridge; western span survived the flood)
1936	West Peterborough	NH 101 over Nubanusit River	1-13-3-2	Reinforced-concrete rigid frame bridge. Drawings by R. J. Prowse. Design by RDF & AMW
1936	Westmoreland * See p.A-19 & 20	Bridge No. 089/100 (County Farm Rd. over Partridge Brook)	1-12-3-5	Six-span composite timber-concrete slab bridge of 144 ft.
1937	Ashland * See p.A-21	Bridge No. 076/080 (US 3 over Pemigewasset River)	1-17-1-1	Riveted, Warren deck trusses of 240 ft. and 250 ft. Steel stringer approach spans. Designed with JHW. Rehabilitated in 1985
1937	Chesterfield	Town Road 9 over Catsbane Brook	1-16-3-5	Three-span, continuous steel stringer bridge of 80 ft. 18-in.-deep, wide-flange beams with riveted splices
1937	East Kingston	East Kingston to South Hampton Rd over B&M RR	1-15-3-3	Three-span, 120-ft.-long steel stringer bridge. Steel bent substructure
1937	Henniker	Franklin Pierce Hwy over Amey Brook	1-15-1-4	Details of railings and curb by R. J. Prowse

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-3

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1937	Lempster	Bridge No. 086/06B (Dartmouth College Road)	1-14-2-1	10 ft. x 12 ft. reinforced-concrete box culvert
1938	Charlestown	NH 12 over B&M RR	2-2-2-5	Three-span steel stringer bridge. Superstructure design by GWH. R. J. Prowse designed details of piers and pier reinforcing
1938	Jackson	Bridge No. 144/056 (East Side Rd. over Ellis River)	2-2-1-12	Two-span, reinforced-concrete rigid frame bridge with stone veneer. Design of bridge by JHW. R. J. Prowse designed approach roadways, typical sections. Drawn by R. J. Prowse
1938	Jaffrey * See p.A-22	Bridge No. 155/084 (over Contoocook River in village of White's Mills)	2-1-3-1	Reinforced-concrete rigid frame bridge with integral spillway gate. Layout of dam spillway and approach roadways designed by R. J. Prowse
1938	Lincoln	Bridge No. 205/196 (Lincoln Rd. over East Branch Pemigewasset River)	2-1-3-5	Two-span, reinforced-concrete rigid frame bridge. Drawn by R. J. Prowse. Design by GJH
1938	Rollinsford	Broadway Road crossing of B&M RR	2-1-2-2	Survey to relocate a road to eliminate a grade crossing. Plans and profiles drawn by R. J. Prowse
1939	Gorham	Bridge over Moose River (1.25m NW of Gorham Village Rd.)	2-4-2-5	Single-span reinforced-concrete rigid frame bridge of 75 ft. Drawn by R. J. Prowse. Design by RK & AM
1939	Hillsboro	Bridge No. 144/033 (Deering Rd. over Contoocook River)	2-4-2-9	Stone-faced, reinforced-concrete rigid frame extension to pre-existing stone arch bridge. Drawn, traced, and checked by R. J. Prowse. Design by JWH & HCN
1939	Peterboro	US 202/NH 101 over Contoocook River.	2-5-1-1	Stone-faced, reinforced-concrete rigid frame bridge. Drawn by R. J. Prowse. Frame footings designed by R. J. Prowse. Superstructure design by JWH
1939	Plaistow * See p.A-23	Bridge No. 105/030 (over B&M RR and Little River at Atkinson Depot)	2-3-2-1	Multi-span steel stringer bridge with continuous main spans. Riveted haunched beams
1939	Weare * See p.A-24	Bridge No. 097/154 (North Weare Rd. over Piscataquag	2-2-3-2	60-ft.-long, reinforced-concrete rigid frame bridge with Moderne-style railings

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-4

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
		River)		
1940	Boscawen	Daniel Webster Hwy over Tannery Brook	2-5-1-8	Box culvert. Borings design by R. J. Prowse
1940	Troy	Bridge No. 087/116 (NH 12 over South Branch Ashuelot River)	2-6-2-2	32-ft.-long, reinforced-concrete rigid frame bridge
1940	Troy	Bridge No. 079/133 (NH 12 over South Branch Ashuelot River)	2-6-2-4	Repairs to stone abutments of wood-truss bridge
1940	Troy	Bridge No. 081/129 (NH 12 over South Branch Ashuelot River)	2-6-2-3	Four-span, reinforced-concrete rigid frame bridge of 186 ft. Design with RDF. Replaced in 1990
1940	Winchester	Bridge over Mirey Brook, 0.5 mile south of Winchester Village Rd.	2-5-3-9	Three-span steel stringer bridge of 74 ft. Design by H. E. Langley and R.J. Prowse. Drawn by R. J. Prowse
1941	Franconia	Bridge No. 134/085 (over Lafayette Brook)	2-5-1-4	Five-span, reinforced-concrete rigid frame bridge. Drawn by R. J. Prowse. Design of abutment details by R. J. Prowse. Superstructure design by RDF
1941?	Hampton Beach	Plans of proposed Hampton sea wall	2-8-2-11	Drawn by R. J. Prowse. Design by H. E. Langley. Approved in Oct. 1941. Project complete in 1946
1941	Peterboro	Bridge No. 108/116 (US 202 over Contoocook River)	2-7-2-4	Two-span, steel stringer bridge of 170 ft. Riveted girders. Designed with RDF. Widened in 1973
1941	Rye-New Castle	Bridge No. 066/071 (Route 1B over Little Harbor at Wentworth-By-The-Sea)	2-8-2-2	Bascule bridge with steel stringer approach spans. Designed with AMW.
1941	Webster	Bridge No. 099/123 (Davisville-Corser Hill Rd. over Blackwater River at Swett's Mill)	2-7-1-6	Single-span, reinforced-concrete rigid frame bridge
1941		State Highway Garage Plans	V1 to V5	Drawings of highway maintenance equipment: drag broom, sander, and shoulder hone.
1942	Concord-Pembroke	Sheep-Davis Road over Soucook River	2-8-3-11	Three-span, continuous timber truss bridge

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-5

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1942	*See p.A-25 & 26	Standard Timber Bridge	2-15-3-13	Details of a 40-ft. timber truss bridge
1946	Manchester	Kelly Bridge over B&M RR and Piscataqua River	3-3-1-3	Alterations to pre-existing steel girder-floorbeam bridge. Drawings by R. J. Prowse, design by H. E. Langley
1947	New Boston	Bridge No. 103/103 (NH 13 over Piscataquog River)	2-10-3-6	Reinforced-concrete rigid frame bridge. Drawings by R. J. Prowse. Design by H. E. Langley
1949	Hanover	Bridge No. 026/056 (over Connecticut River)	2-12-1-18	Plans to raise pre-existing bridge using 100-ton jacks. Jacking details, masonry details, reinforcing steel design by R. J. Prowse
1949	Ossipee	Bridge No. 152/268 (White Mt. Hwy over Lovell River)	2-12-2-11	Single-span, 58-ft.-long, steel stringer bridge
1949	Portsmouth	Bridge No. 205/116 (Woodbury Avenue Expressway)	2-11-3-11	Single-span, 76-ft.-long, reinforced-concrete rigid frame bridge
1950	Dover	Dock at Hilton Park	3-3-3-10	37-ft.-long, timber dock with gangway. Located adjacent to the General Sullivan Bridge on US 4. Replaced in 1997.
1950	Ossipee	Bridge No. 136/299 (over Bearcamp River)	3-2-2-3	Renewal of reinforced-concrete deck slab of existing truss bridge
1950	Hillsboro	Bridge No. 11/042 (NH 9 over Beards Brook)	3-2-2-4	Single-span, 72-ft.-long, steel stringer bridge
1950	Portsmouth	Memorial Bridge Repair (US 1 over the Piscataqua River)	3-2-1-4	End dam replacement
1950	Washington	Bridge No. 177/046 (NH 31 over Shedd Brook)	3-2-3-8	Widening of a pre-existing reinforced-concrete slab bridge
1951	Alexandria	Bridge No. 164/118 (over Patten Brook)	3-2-4-4	Single-span, 41-ft.-long, steel stringer bridge on vertical profile
1951	Gilford	Bridge Nos. 3 & 4 on Belknap Road	3-2-3-9	Reinforced-concrete slab bridges of 15 ft. and 12 ft. Stone parapets
1951	Durham * See p.A-27	Bridge No. 070/072 (over Lamprey River)	3-2-3-6	Single-span, 41-ft.-long, steel stringer bridge on pre-existing stone abutments. Welded beams

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-6

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1951	Farmington	Bridge No. 085/132 (Tappan Street over Mad River)	3-2-3-11	Replacing deck and stringers of pre-existing steel girder-floorbeam bridge built in 1893.
1951	Lebanon * See p.A-28	Bridge No. 049/064 (NH 12A over Bloods Brook)	3-2-4-11	Three-span, 101-ft.-long, reinforced-concrete, rigid frame bridge. Tapered legs. Nicely sited in valley on sand/gravel foundation. Ice breakers attached to legs of frame
1951	Marlboro	Bridge No. 090/135 (over Minnewawa Brook)	3-2-4-7	Single-span, 40-ft.-long steel stringer bridge
1951	New Durham	Bridge No. 169/049 (Merrymeeting Lake Road over Merrymeeting Brook)	3-2-3-14	Single-span, 12-ft.-long, reinforced-concrete slab bridge on pre-existing abutment.
1951	Ossipee	Bridge No. 090/268 (over Lovell River)	3-2-4-10	Single-span, 41-ft.-long, steel stringer bridge
1951	Piermont	Bridge No. 066/159	3-2-3-7	Single-span, 26-ft.-long, reinforced-concrete slab bridge on pre-existing stone abutment.
1951	Richmond	Bridge No. 056-090 (NH 119)	3-2-4-1	Single-span, 12-ft.-long, reinforced-concrete slab bridge on pre-existing stone abutments
1951	Strafford * See p.A-29 & 30	Bridge No. 182/106 (Barnstead-Barrington Road over Mohawk River)	3-3-1-5	Single-span, 19-ft.-long, reinforced-concrete rigid frame bridge
1951	Surry	Bridge No. 130/057 (Town Road over Ashuelot River)	3-2-15	Single-span, 52-ft.-long, steel stringer bridge with 33-in. wide-flange beams on pre-existing stone abutments
1951	Temple	Bridge No. 099/070	3-2-3-13	Widening of pre-existing stone arch bridge with reinforced-concrete arch of 9 ft.
1951	Temple	Bridge No. 110/054 (over Temple Brook)	3-2-3-12	Widening of pre-existing stone arch bridge with reinforced-concrete arch of 14 ft.
1951	Windham * See p.A-31	Bridge No. 094/046 (over Golden Brook)	3-3-3-7	Single-span, 14-ft.-long, reinforced-concrete box culvert with stone parapets
1952	Franklin	Bridge No. 162/099 (US 3 over B&M RR)	3-3-1-11	Single-span, 24-ft.-long, reinforced-concrete rigid frame bridge on skew. Drawn and checked by R. J. Prowse.

## Appendix A

## Robert John Prowse Portfolio of Bridge Designs

Page A-7

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1952	Jackson	Bridge No. 198/046 (Dundee Road over Mill Brook)	3-3-2-11	Single-span, 21-ft.-long, reinforced-concrete slab bridge on pre-existing stone abutments
1952	Lebanon	Bridge No. 066/059 (over Blood Brook)	3-3-4-9	Two-span, steel stringer bridge. Butt-welded splices over pier
1952	Merrimack* See p.A-32 & 33	Bridge No. 111/115 (F. E. Everett Turnpike over Souhegan River/Merrill's Marauders Bridge)		Three-span, continuous steel stringer bridge of 224 ft. Haunched, welded girders.
1952	Milford	Bridge No. 052/135 (NH 101 over Souhegan River)	3-3-2-4	Alterations to pre-existing stone arch bridge
1952	Ossipee	Bridge No. 108/333 (NH 25 over Bearcamp Creek)	3-3-2-12	Repair to portal of pre-existing truss bridge
1952?	Piermont		3-2-4-17	Repairs to box culvert. Undated plans
1953	Alton	Bridge No. 199/273 (Town Road 2684 over Beaver Brook)	3-4-1-7	Steel multi-plate arch of 53-ft. span
1953	Antrim-Deering	Bridge No. 195/146 (off US 202 over Contoocook River)	3-3-4-8	Deck for pre-existing truss bridge
1953	Boscawen * See p.A-34	Bridge No. 131/035 (US 322 over Contoocook River)	3-3-3-13	Three-span, continuous, steel stringer bridge. Span lengths of 80 ft., 104 ft., 80 ft. Haunched welded beams
1953	Durham	Bridge No. 080/070 (over Lamprey River at Packer's Falls)	3-2-1-6	Widening of existing arch bridge with three-span reinforced-concrete rigid frame (67-ft. long)
1953	Hampton Falls	Bridge No. 187/053 (Kensington Road over Hampton Falls River)	3-4-1-4	Steel pipe culver with stone headwalls. Extension of pre-existing stone arch
1953	Hillsboro	Bridge No. 072/136 (Hillsboro-East Washington Road over Stony Brook)	3-4-1-6	Single-span, 20-ft.-long, reinforced-concrete slab bridge
1953	New Market	Bridge No. 127/097 (NH 108 over Lamprey River)	3-3-4-1	Single-span, 60-ft.-long, steel stringer bridge. 36-in.-deep, wide-flange beams. Moderne-style railing posts and pilasters

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-8

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1953	Portsmouth-New Castle	Bridge No. 241/053 (Route 1B over Piscataqua Estuary)	3-3-4-10	Nine-span, 540-ft.-long, steel stringer bridge. Three-span continuous units with 36-in.-deep, wide-flange beams
1953	Sandwich	Bridge No. 233/072 (off of NH 25 over Bearcamp Creek)	3-4-1-7	Single-span, 42-ft.-long, steel stringer bridge
1953	Sunapee	Bridge No. 120/164 (over brook to Sunapee Lake at George's Mill)	3-4-1-8	8-ft.-diameter, structural steel plate, pipe culvert
1954	Alexandria	Bridge No. 153/140 (over Fowling River)	3-4-1-11	Single-span, 58-ft.-long, steel stringer bridge. Cellular concrete abutment
1954	Barrington	Bridge No. 109/62 (over Isinglass River)	3-4-4-2	Single-span, 62-ft.-long, steel stringer bridge. Design with Harold E. Langley
1954	Conway	Bridge no. 063-047 (over Branch of Saco River)	3-4-4-6	Three-span, continuous, steel stringer bridge of 109 ft. Pipe railings with stepped end posts. Butt welded splices over piers.
1954	Enfield	Bridge No. 079/153 (over Mascoma River)	3-4-1-6	Two-span, continuous steel stringer bridge of 88-ft. Drawn and checked by R. J. Prowse. Design by H. E. Langley
1954	Effingham-Freedom	Bridge No. 110/190 (NH 153 over Ossipee River)	3-4-4-7	Continuous steel stringer bridge of 240 ft. Drawing by R. J. Prowse. Design by H. E. Langley
1954	Jefferson	Bridge No. 129/078 (NH 115 over Israel River)	3-4-3-1	Single-span, 56-ft.-long, steel stringer bridge. Super-elevated. 36-in.-deep, wide-flange beams
1954	Langdon	Bridge No. 112/084 (Drewsville Road over Great Brook)	3-4-1-18	Single-span, 44-ft.-long, structural steel plate arch
1954	Madison	Bridge No. 081/090	3-4-4-4	Single-span, 26-ft.-long, reinforced-concrete slab. Drawing by LY
1954	Moultonboro	Bridge No. 221/77 (State Aid 46 over Shannon Brook)	3-4-1-19	Widening of pre-existing slab bridge. Drawn and checked by R. J. Prowse. Design by H. E. Langley
1954	Ossipee-Tamworth	Bridge No. 137/297 (NH 16 over Bearcamp Creek)	3-4-3-2	Five-span, steel stringer bridge of 392 ft. Drawn and checked by R. J. Prowse. Design by H. E. Langley



Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-9

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1954	Pembroke-Allenstown	Bridge No. 059/053 (over Suncook River)	3-4-3-6	Deck repair. Design with H. E. Langley
1954	Pembroke-Concord	Bridge No. 134/050 (NH 3 over Route 3)	3-4-2-2	Three-span, continuous steel stringer bridge of 152 ft. Drawn and checked by R. J. Prowse. Design by H. E. Langley
1954	Rumney	Garage and storage building	3-4-3-4	Design with H. E. Langley
1954	Washington	Bridge No. 198/106 (over Woodland Brook at East Washington village)	3-4-1-21	Single-span, 32-ft.-long, steel stringer bridge
1954	Wilmot	Bridge No. 142/087 (over Kimpton Brook)	3-4-3-8	Single-span, 26-ft.-long, reinforced-concrete rigid frame bridge
1954	Stark	Bridge No. 115/091 (off of NH 110 over Upper Amanoosuc River)	3-4-1-14	New deck for pre-existing truss bridge. Drawing by R. J. Prowse
1954	Washington	Bridge No. 128/073 (NH 31 over outlet to Halfmoon Pond)	3-4-1-13	Widening of pre-existing T beam bridge
1954	Weare	Bridge No. 134/129 (NH 77 over Piscataqua River)	3-4-1-7	Single-span, 57-ft.-long, steel stringer bridge. Drawn and checked by R. J. Prowse. Design by H. E. Langley
1954	Wilmot	Bridge No. 142/087 (over Kimpton Brook)	3-4-3-8	Single-span, 26-ft.-long, reinforced-concrete rigid frame bridge
1954		Two-hinged circular arch	2-15-3-1	Study for two-hinged steel arch
1955	Bartlett	Bridge No. 153/108 (US 302 over Stony Brook)	3-4-4-8	Single-span, 18-ft.-long, reinforced-concrete rigid frame bridge. Drawing by NEH
1955	Canaan	Bridge No. 172/070 (Town Road over Indian River)	3-5-2-5	Single-span, 46-ft.-long, steel stringer bridge
1955	Canterbury	Bridge No. 175/097 (over Pickard Brook)	3-4-4-12	Single-span, 14-ft.-long, structural steel plate arch
1955	Lancaster	Bridge No. 222/061 (Town Road over Garland Brook)	3-5-2-1	Single-span, 35-ft.-long, reinforced-concrete rigid frame bridge. Drawing by HAS

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-10

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1955	Pelham	Bridge No. 105/069 (over Beaver Brook)	3-4-4-9	Single-span, 42-ft.-long, steel stringer bridge. Drawn by R. J. Prowse. Design by H. E. Langley
1955	Monroe	Bridge No. 070/075 (NH 135 over Hunt Mountain Brook)	3-4-4-3	Widening of pre-existing arch with reinforced-concrete slab. Drawing by JTH
1955	Stratford	Bridge No. 038/190 (US 3 over Kimball Brook)	3-5-1-3	Reinforced-concrete box culvert
1955	Tamworth * See p.A-35	Bridge No. 061/091 (NH 113A over Swift River)	3-5-1-1	Skewed, continuous, steel stringer bridge of 152 ft. Welded splices. Hammerhead piers
1955	Wakefield	Bridge No. 104/042 (NH 16 over B&M RR)	3-5-2-2	Single-span, 26-ft.-long, reinforced-concrete rigid frame bridge.
1955	Whitefield * See p.A-36	Bridge No. 103/095 (NH 116 over Little River)	3-5-1-5	Three-span, reinforced-concrete rigid frame bridge with tapered legs and haunched end spans. 206 ft. Railings replaced in 1992.
1955	Winchester	Bridge No. 151/062 (over Roaring Brook)	3-4-4-11	Single-span, 30-ft.-long, reinforced-concrete rigid frame bridge. Drawing by R. J. Prowse. Design by H. E. Langley
1955		Truck Loading Study	2-14-3-9	Study of the impact of trucks on various lengths of bridge. Design by H. E. Langley. Drawings by R. J. Prowse
1956	Woodstock	Bridge No. 103/135 (NH 112 over Lost River)	3-5-3-7	Single-span, 60-ft.-long, steel stringer bridge. Drawing by JSB
1956		Sign and Signal Portal	2-14-3-13	Welded, tubular steel sign bridge. Designed with H. E. Langley
1956		Areas of Waterway	2-15-3-1	Waterway area calculations using modified Talbot formula
1957	Alstead	Bridge No. 060/159 (NH 12A over Cold River)	3-5-4-6	Single-span, 64-ft.-long, reinforced-concrete rigid frame bridge
1957	Bellows Falls-Walpole	Bellows Falls Arch Bridge	2-13-1-3	Plans to replace hangers of 1904 steel through-arch bridge. Survey of floorbeam hanger locations, elevations, and deflection measurements
1957	Hampton	Hampton Harbor Bridge Repair	3-1-2-2	Detail of cofferdam for pier repair

## Appendix A

## Robert John Prowse Portfolio of Bridge Designs

Page A-11

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1957	Ossipee * See p.A-37	Bridge No. 194/146 (NH 28 over B&M RR)	3-6-1-6	Three-span, continuous, reinforced-concrete slab bridge. Slight haunch to slab over piers. Design with H. E. Langley
1957	Walpole * See p.A-38	Bridge No. 082/065 (SR 12 over Cold River)	3-5-4-16	Three-span, continuous steel stringer bridge of 224 ft. Skewed. Haunched welded beams. Concrete end posts with horizontal scoring. Bridge superstructure replaced in 2003
1957	Wentworth	Bridge No. 146/090 (NH 25 over Baker River)	3-6-1-6	Three-span, continuous steel stringer bridge of 210 ft. Open steel grid deck for shoulders. Design with H. E. Langley
1958	Andover	Bridge No. 118/095 (over B&M RR)	3-6-3-2	Three-span, continuous steel stringer bridge of 124 ft. Substructure of steel H-pile bents
1958	Cornish	Bridge No. 071/139 (NH 12A over Blow-Me-Down Brook)	3-6-3-14	Widening of pre-existing stone arch with reinforced-concrete rigid frame. Drawing by RAB
1958	Exeter * See p.A-39 & 40	Bridge No. 098/101 (NH 85 over NH 101)	3-6-2-10	Single-span, 48-ft.-long, reinforced-concrete rigid frame bridge. Architectural with vertical grooving on face, horizontal scoring on abutment, and vertical scoring on end posts. Custom railings. Replaced by Bridge No. 098/100
1958	Exeter	Bridge No. 102/100 (NH 101 over B&M RR)	3-6-2-9	Three-span, continuous steel stringer bridge of 117 ft.
1958	Exeter-Stratham * See p.A-41 & 42	Bridge No. 106/100 (NH 101 over Squamscott River)	3-6-2-1	Three span, continuous steel stringer bridge of 306 ft. Welded haunched beams. Lincoln Arc Welding Society award winning bridge. Replaced in 1994
1958	Franconia * See p.A-43thru45	Old Man of the Mountains	3-6-2-5	Plans for post-tensioning rock face with steel tie rods
1958	Geoffstown	Bridge No. 051/114 (over Tributary of Piscataqua River)	3-6-1-14	Two-span, 62-ft.-long, steel stringer bridge on pre-existing stone abutments
1958	Northumberland	Bridge No. 070/033 (US 3 over Canadian National RR)	3-6-2-7	160-ft.-wide, 26-ft.-long, reinforced-concrete rigid frame bridge
1958	Pelham	Bridge No. 074/141 (Tallant Road over Beaver Brook)	3-6-2-14	Single-span, 53-ft.-long, steel stringer bridge on stone abutments

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-12

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1958	Sandwich	Bridge No. 238/092 (NH 113 over Cold River)	3-6-3-13	Skewed, two-span, continuous steel stringer bridge of 140 ft. Hammerhead piers. Butt-welded splice of 36-in.-deep, wide-flange beams over piers. Rehabilitated in 1995. Drawing by JLS
1958	Shelburne	Bridge No. 079/122 (North Road over Leadmine Brook)	3-6-3-3	Single-span, 23-ft.-long, reinforced-concrete slab. Drawing by HAS
1958	Stratham	Bridge No. 065/069 (NH 101 over NH 101/108)	3-6-2-8	Three-span, continuous steel stringer bridge of 177 ft. Welded butt splices at piers
1958	Wakefield	Bridge No. 230/057 (NH 16 over Branch River)	3-6-2-2	Single-span, 49-ft.-long, steel stringer bridge. 36-in.-deep, wide-flange beams
1959	Gorham	Bridge No. 049/101 (US 2 over B&M RR)	3-6-4-12	Three-span, continuous steel stringer bridge of 129 ft. Vertical profile. Drawing by FRS
1959	Hampton	Bridge No. 208/094 (Tide Mill Road over Tide Mill Creek)	3-7-1-4	Single-span, 52-ft.-long, steel stringer bridge. 36-in.-deep, wide-flange beams
1959	Hanover	Retaining walls and stairs at the Smith property	3-6-4-16	Driveway access for state highway project
1959	Hopkinton	Bridge No. 085/068 (Mudgett Road over Mudgett Brook)	3-7-1-14	12-ft.-long, reinforced-concrete box culvert with tidal gate
1959	Plaistow	Bridge No. 123/078 (Westville Road over Little River)	3-6-4-18	Widening of pre-existing arch bridge
1959	Shelburne	Bridge No. 075/113 (over Androscoggin River)	3-6-4-9	Widening of pre-existing steel stringer and stone arch bridge
1959	Troy	Bridge No. 079/133 (NH 12 over South Branch Ashuelot River)	3-6-4-15	Deck repairs
1959	Weare* See p.A-46 & 47	Bridge No. 159/178 (NH 77 Relocation over Canal No. 2)	3-7-2-14	Three-span, continuous steel stringer bridge of 448 ft. Variable-depth welded beams. Stepped end posts. Pipe railings. Hammerhead piers. Design with H. E. Langley
1960	Acworth	Bridge No. 070/042 (NH 123A over Cold River)	3-7-3-7	Three-span continuous steel stringer bridge of 187 ft. Design by JLS. Drawing by R. J. Prowse

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-13

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1960	Albany	Bridge No. 080/148 (Bear Notch Road over Swift River)	3-7-4-5	Single-span, 72-ft.-long, steel stringer bridge
1960	Benton-Haverhill	Bridge No. 058/052 (NH 25 over Oliverian Brook)	3-7-4-13	Single-span, 50-ft.-long, steel stringer bridge
1960	Haverhill	Bridge No. 219/178 (US 302 over Connecticut River)	3-7-4-10	Repairs to railings, expansion joints, and sidewalks
1960	Hopkinton	Bridge No. 086/084 (US 202/ 9 over Elm Brook)	3-7-2-5	Three-span, continuous steel stringer bridge of 312 ft. Variable-depth welded beams. Stepped end posts. Pipe railings. Hammerhead piers
1960	Hopkinton	Bridge No. 049/096 (US 202/ 9 over Contoocook River)	3-7-3-4	Three-span, continuous steel stringer bridge of 312 ft. Variable-depth welded beams. Stepped end posts. Pipe railings. Hammerhead piers
1960	Hopkinton	Bridge No. 089/114 (over Hopkinton-Everett Reservoir)	3-7-3-8	Three-span, continuous steel stringer bridge of 276 ft. Variable-depth welded beams with curved profile. Design with H. E. Langley
1960	Hopkinton	Bridge No. 056/093 (US 202/ 9 over Hatfield Road)	3-7-4-6	Three-span, continuous steel stringer bridge of 104 ft.
1960	Keene	Bridge No. 132/060 (Route 9 Relocation over Ashuelot River)	3-8-1-3	Two-span, continuous steel stringer bridge of 120 ft.
1960	Pittsburg	Bridge No. 196/130 (US 3 over Connecticut River)	3-8-1-5	Single-span, 24-ft.-long, reinforced-concrete rigid frame bridge. Drawing by RAB
1960	Pittsburg	Bridge No. 197/120 (US 3 over West Inlet)	3-8-1-6	Single-span, 17-ft.-long, steel pipe arch with stone headwalls. Drawing by HAS
1960	Portsmouth	Bridge No. 247/084 (US 1 over Piscataqua River/Memorial Bridge)	3-7-3-5	Replacing flooring system
1961	Alstead	Bridge No. 077/047 (NH 12A over Thompson Brook)	3-8-2-14	Single-span, 17-ft.-long, reinforced-concrete rigid frame bridge

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-14

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1961	Fracestown	Bridge No. 142/060 (Second NH Turnpike over South Branch Piscataqua River)	3-8-3-11	Single-span, 50-ft.-long, steel stringer bridge
1961	Harts Location	Bridge no. 055/091 (US 302 over Saco River)	3-8-2-5	Widening of pre-existing culvert/inlet pipe
1961	Haverhill	Bridge No. 139/133 (over Clark Brook)	3-8-2-3	Single-span, 42-ft.-long, steel stringer bridge
1961	Henniker	Bridge No. 125/125 (US 202 / 9 over Warner Road)	3-7-4-7	Three-span, continuous steel stringer bridge of 104 ft.
1961	Londonderry * See p.A-48	Bridge No. 140/120 (Ash Street over Interstate 93/Robert J. Prowse Memorial Bridge)	3-15-2-1	Three-span, welded, rigid frame bridge of 216 ft. Design concept by R. J. Prowse. Final plans by The Clarkson Engineering Co. AISC award winning bridge of 1964.
1961	Marlboro	Bridge No. 077/065 (NH 12 over South Branch Ashuelot River)	3-7-1-14	Single-span steel stringer bridge of 62 ft.
1961	Marlboro	Bridge No. 072/075 (NH 12 over South Branch Ashuelot River)	3-7-1-15	Single-span steel stringer bridge of 62 ft.
1961	Marlboro	Bridge No. 066/080 (NH 12 over South Branch Ashuelot River)	3-7-1-16	Single-span steel stringer bridge of 62 ft.
1961	New Durham	Bridge No. 204/056 (NH 11 over Merrymeeting River)	3-8-3-4	Reinforced-concrete box culvert. Drawing by RAB
1961	Newbury	Bridge No. 132/074 (NH 103 over Andrews Brook)	3-8-2-7	Single-span, 24-ft.-long, reinforced-concrete rigid frame bridge
1961	Somersworth-Berwick	Bridge No. 101/114 (NH 9 over Salmon Falls River)	3-8-4-3	Singles-span, 120-ft.-long, steel stringer bridge. 6-ft.-deep welded girders
1961		Expansion joint details	2-15-3-1	Study of expansion details for bridges of less than 60 ft.
1962	Concord * See p.A-49	Bridge No. 160/178 (NH 106 over US 202/ 4/ 9)	3-9-1-8	Three-span, continuous steel stringer bridge of 132 ft. Welded, arched girders. Welded web splice
1962	Rye-New Castle	Route 1B over Little Harbor	3-8-4-7	Replacing operating machinery and operators' house for pre-existing bascule bridge

Appendix A  
 Robert John Prowse Portfolio of Bridge Designs  
 Page A-15

Date	Town	Bridge/Structure	NHDOT Plan Number	Notes
1962		Loading Charts	2-15-3-1	Truck loading charts for simple-span, reinforced-concrete slab bridges
1966	Plymouth * See p.A-50	Bridge No. 117/143 (Route 3A/25 over Baker River)	3-11-2-3	Three-span, continuous, steel stringer bridge of 252 ft. Haunched, variable depth, welded beams
1967	Claremont-Ascutney * See p.A-51	Bridge No. 065/134 (NH 12/103 over Connecticut River)	3-11-2-4	Four-span, continuous, steel stringer bridge of 672 ft. Variable-depth, welded beams. High-strength bolt field splices. Design with TS. Drawn by TS