

CALGARY HISTORIC RESOURCE EVALUATION FORM



SUMMARY

August 2009 Version

Resource: ☒ City Wide
☐ Community

File #

1. Description

Resource Name	Canadian Pacific Railway Bonnybrook Bridge		
Alternate Names	NA		
Address	Ogden Road SE and Bow River		
Community District	Highfield		
Legal Description	NA		
Year of Construction	1912		
Architectural Style	NA		
Architect	NA		
Builder	Canadian Bridge Company		
Use Type	<input type="checkbox"/> Archaeological <input type="checkbox"/> Commerce <input type="checkbox"/> Community <input type="checkbox"/> Defence <input type="checkbox"/> Education <input type="checkbox"/> Food Supply <input type="checkbox"/> Government	<input type="checkbox"/> Health and Research <input type="checkbox"/> Industry <input type="checkbox"/> Leisure <input type="checkbox"/> Mixed Use <input type="checkbox"/> Religion, Ritual and Funeral <input type="checkbox"/> Residence <input checked="" type="checkbox"/> Transport	
Original Use	Bridge		
City Owned	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Criteria of Significance (see attached worksheets)	Activity <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Event <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Institution X City Wide <input type="checkbox"/> Community X NA Person/People <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Style <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Design X City Wide <input type="checkbox"/> Community <input type="checkbox"/> NA Construction <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Landmark <input type="checkbox"/> City Wide <input type="checkbox"/> Community X NA Symbolic Value X City Wide <input type="checkbox"/> Community <input type="checkbox"/> NA		
2005 Provincial Master Plan Theme (please select one)	<input type="checkbox"/> Prehistoric Alberta <input type="checkbox"/> Fur Trade <input type="checkbox"/> Aboriginal Life <input type="checkbox"/> Resource Development <input checked="" type="checkbox"/> Transportation <input type="checkbox"/> Agricultural Development <input type="checkbox"/> Urban Development <input type="checkbox"/> Politics and Government <input type="checkbox"/> Health	<input type="checkbox"/> Work and Leisure <input type="checkbox"/> Spiritual Life <input type="checkbox"/> Business and Industry <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Military <input type="checkbox"/> Education <input type="checkbox"/> Sports <input type="checkbox"/> Intellectual Life <input type="checkbox"/> The Face of Alberta	

CALGARY HISTORIC RESOURCE EVALUATION FORM

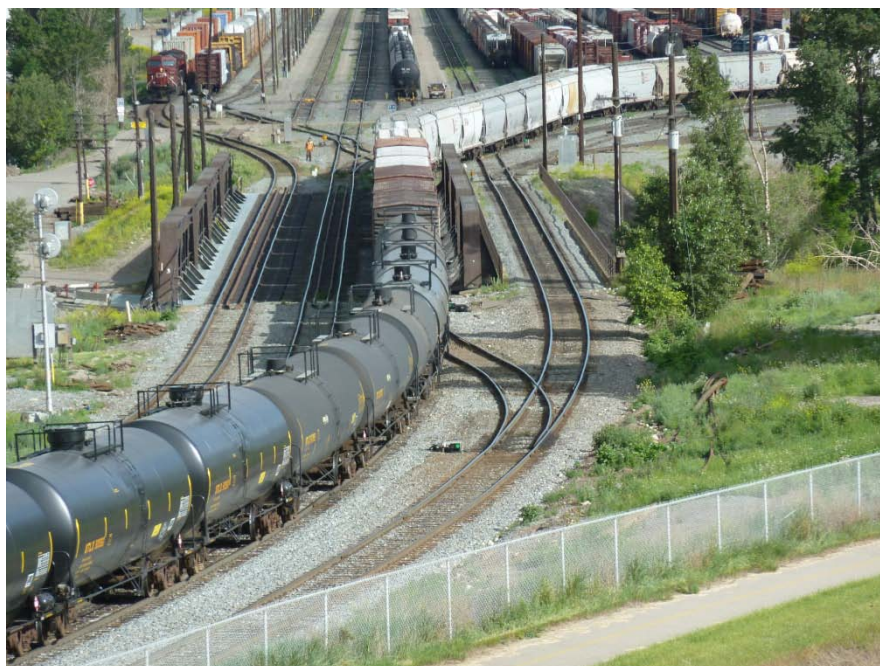


Context Image	
Title	Canadian Pacific Railway Bonnybrook Bridge
Description	View of bridge crossing from the east
Source	John Gilpin
Date	June 2012
Copyright	No

CALGARY HISTORIC RESOURCE EVALUATION FORM



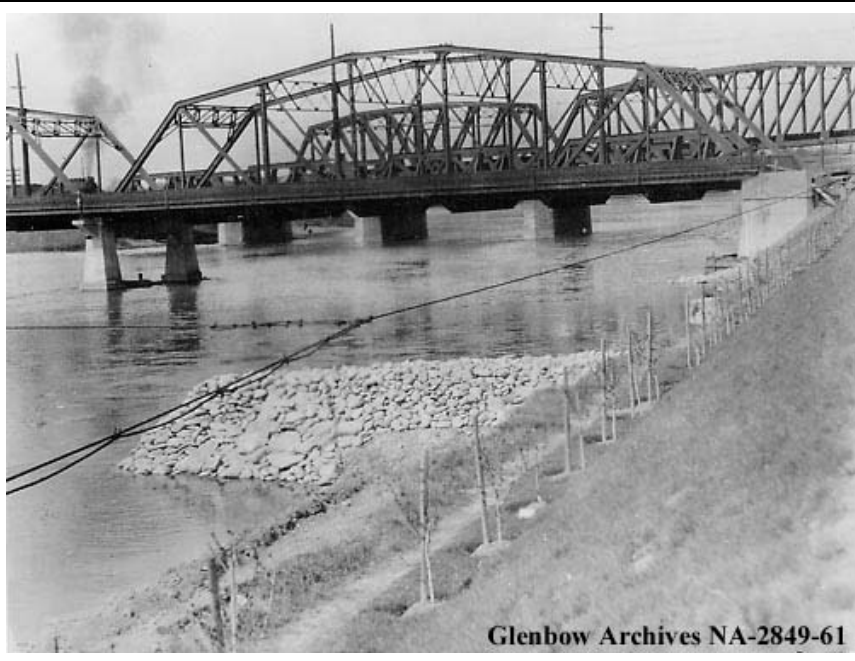
Contemporary Image



Title	Canadian Pacific Railway Bonnybrook Bridge
Description	View of bridge crossing showing the 1912 Pony Truss Bridge to the south and the span added during the post-Second World War era to the north.
Source	John Gilpin
Date	June 2012
Copyright	No

CALGARY HISTORIC RESOURCE EVALUATION FORM



Historic Image	
Title	Canadian Pacific Railway Bonnybrook Bridge
Description	Obscure view of Canadian Pacific Railway Bonnybrook Bridge between the Grand Trunk Pacific Railway Bridge to the north and the street railway bridge in the foreground.
Source	Glenbow Library and Archives NA-2849-61
Date	1925
Copyright	No
Map	Xxx to be added XXXX
Title	
Description	
Source	
Date	
Copyright	

CALGARY HISTORIC RESOURCE EVALUATION FORM



2. Significance

Summary	<p>This site is significant because....</p> <p>It is the only example in Calgary of a Canadian Pacific Railway (CPR) pony truss bridge. (Design value: City-wide significance)</p> <p>It is an important historical component of the CPR mainline in Calgary, and marks the location of a Bow River crossing established during the construction of the (CPR) in 1883. The establishment of the CPR mainline - to which these bridges are an integral component - became the basis for the development of Calgary; it is to the mainline that Calgary owes its status as the dominant urban, manufacturing and distribution centre of southern Alberta. (Symbolic value – City-wide significance)</p> <p>It is historically associated with the CPR which dominated the development and economic activity of Calgary after its arrival in 1883. (Institutional value - City-wide significance)</p>
Era of Development (please select one)	<p>Development Era</p> <p><input type="checkbox"/> Pre 1850</p> <p><input type="checkbox"/> 1850 to 1874 (Pre Settlement)</p> <p><input type="checkbox"/> 1875 to 1884 (Frontier)</p> <p><input type="checkbox"/> 1885 to 1905 (Railway/Early Settlement)</p> <p><input checked="" type="checkbox"/> 1906 to 1913 (Pre WW I Boom, Age of Optimism)</p> <p><input type="checkbox"/> 1914 to 1918 (WW I)</p> <p><input type="checkbox"/> 1919 to 1929 (Post WW I to Stock Market Crash)</p> <p><input type="checkbox"/> 1930 to 1939 (Depression)</p> <p><input type="checkbox"/> 1940 to 1945 (WW II)</p> <p><input type="checkbox"/> 1946 to 1956 (Oil Boom)</p> <p><input type="checkbox"/> 1957 to 1982 (Modern)</p> <p><input type="checkbox"/> 1983 onward</p>
Dates	<p>As well as the year of completion other significant dates are:</p> <p>c. 1960s - Addition of new bridge adjacent to the 1912 span to replace an earlier</p>
Integrity	<p>Does the resource retain sufficient integrity to convey significance?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
Classification	<p><input checked="" type="checkbox"/> City Wide Historic Resource (important for the whole of Calgary)</p> <p>OR</p> <p><input type="checkbox"/> Community Historic Resource (important for the whole of a particular neighbourhood or community)</p>
Designation	<p>Federal <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Provincial <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>


CALGARY HISTORIC RESOURCE EVALUATION FORM



	Registered	<input type="checkbox"/> Yes	X	No
	Municipal	<input type="checkbox"/> Yes	X	No
Evaluation Author and Contact Information	John Gilpin			
Date Evaluated by CHA Committee				
Date Approved by CHA				

CALGARY HISTORIC RESOURCE EVALUATION FORM



Additional Images	
Title	Canadian Pacific Railway Bonnybrook Bridge
Description	View of the pony-truss span from the east
Date	June 2012
Source	John Gilpin
Copyright	No
Preliminary Statement of Significance	<p>Description:</p> <p>The Canadian Pacific Railway Bonnybrook Bridge consists of two side-by-side spans which are crossed by four railway tracks. One span is a 1912 pony-truss structure 400-feet long that carries three tracks. The second span is of equal length and dates from the 1960s. The two spans share poured-in-place concrete abutments and piers.</p> <p>Heritage Value:</p> <p>The heritage value of the Canadian Pacific Railway Bonnybrook Bridge derives from its unique status as the only example of a Canadian Pacific Railway (CPR) pony-truss bridge design in Calgary. Truss bridges are made up of straight pieces of wood or steel connected to form triangles, the most structurally stable geometric form. The triangles in the case of a pony-truss bridge are assembled into girders located on either side of the deck. The top</p>

CALGARY HISTORIC RESOURCE EVALUATION FORM



	<p>cords of the two sides of the bridge are not, however, connected by cross bracing. Pony-truss spans are relatively rare on the entire CPR system. Originally, the bridge consisted of this pony-truss span and was paired with a plate-girder span, built at the same time. These two side-by-side spans shared the same piers and abutments. In the 1960s the plate-girder span was replaced by the current beam bridge.</p> <p>The Canadian Pacific Railway Bonnybrook Bridge is an important historical component of the CPR mainline in Calgary, and marks the location of a Bow River crossing established during the construction of the CPR in 1883. It represents one of two historical historic crossings of the Bow River in Calgary, along with the CPR bridge in Bowness (1912). The establishment of the CPR mainline - to which this bridge is an integral component - became the basis for the development of Calgary; it is to the mainline that Calgary owes its status as the dominant urban, manufacturing and distribution centre of southern Alberta.</p> <p>The Canadian Pacific Railway Bonnybrook Bridge holds institutional significance for its historical association to the CPR. The CPR dominated the development of Calgary for several decades after the 1883 arrival of the company's mainline to the community. The company's later decision to make Calgary a major repair and service facility and branch line terminus encouraged the ongoing development of Calgary. The company's position was unrivaled in Calgary until the arrival of competitors immediately prior to the First World War with the establishment of the Canadian Northern and Grand Trunk Pacific railways. Despite the competition, the CPR remained the most significant railway presence in the city and has been one of the most important sources of economic activity for Calgary.</p> <p>Character Defining Elements: The character-defining elements of the property include, but are not limited to:</p> <p>Integral part of a functioning railway</p> <p>Superstructure</p> <p>Steel I beams forming a pony-truss structure</p> <p>Substructure</p> <p>Poured-in-place concrete abutments and four poured-in-place concrete piers</p>
Historical Title Search	NA
Henderson's Directory Search	NA

CALGARY HISTORIC RESOURCE EVALUATION FORM



Additional Sources	<p>Bain, Donald M. and Lance W. Camp. <u>The Railways of Calgary</u>. Calgary: British Railway Modelers of North America, 2002 pp. 3-4. These pages give a history of the Canadian Pacific Railway in Calgary</p> <p>Foran, Max and Heather MacEwan <u>Foran. Calgary: Canada's frontier metropolis : an illustrated history</u> Burlington, Ont.: Windsor, c1982. This source explains the relationship of Canadian Pacific Railway to the history of Calgary</p> <p>Foran, Max <u>Calgary: an illustrated history</u> Toronto: J. Lorimer and National Museum of Man, National Museums of Canada, 1978. This source explains the relationship of Canadian Pacific Railway to the history of Calgary</p> <p>Unsworth, John. "A History of Canadian Pacific Railway Bridges in Alberta" <u>Canadian Pacific Railway: Calgary</u>, 2010. p.9. This report give the construction details of this bridge</p> <p>Unsworth, John. <u>Design of Modern Steel Railway Bridges</u>. London: CRC Press, 2011. pp. 1-37. This source outlines the history of railway bridges</p>
---------------------------	--

CALGARY HISTORIC RESOURCE EVALUATION FORM



CRITERIA OF INTEGRITY

Statement of Integrity	The pony-truss portion of the Canadian Pacific Railway Bonnybrook Bridge over the Bow River has retained its integrity. In the 1960s the plate-girder span was replaced by the current beam bridge.
------------------------	---

Does the resource maintain sufficient overall integrity to convey its significance?

Yes ☒ No ☐

1. LOCATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Location is the place where an historic resource was constructed or the site where an historic activity or event occurred.			
2. DESIGN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Design is the combination of elements that create the form, plan, space, structure and style of a resource.			
3. ENVIRONMENT	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Environment is the physical setting of an historic resource. Whereas location refers to a specific place, environment refers to the character of the place in which a resource played its historic role.			
4. MATERIALS	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Materials are the physical elements that were combined or deposited during a particular period(s) or time frame and in a particular pattern or configuration to form an historic resource.			
5. WORKMANSHIP	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Workmanship is the physical evidence of the crafts of a particular culture or people during any given period in history. It is important because it can provide information about technological practices and aesthetic principles.			
6. ASSOCIATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Association is a <i>direct link</i> between an historic resource and a significant historical theme, activity or event, or an institution or person.			