

Victor Canada 500-1400 Blair Place Ottawa, Ontario K1J 9B8 Telephone 613-786-2000 Facsimile 613-786-2001 Toll Free 800-267-6684 www.victorinsurance.ca

## Supplementary Questionnaire

Construction of Bridges

1.	Tit	le of Contract						
	_							
2.	Site	e						
		Flat   Hilly   Mountain	nous	☐ Built-u	p area	J Semi	-built area	☐ Open area
	Ifp	project is in built-up area, state distan	ce froi	m and type of r	neighbouring st	tructure	e:	
3.	Bre	eakdown of Values						
		ITEM					VALUES	
		Temporary Works		5	S			
		Earthworks and approaches			_			
		Foundations		9				
		Piers and abutments		9	S			
		Superstructure		S	_			
		Other works (railing, lighting,instal	llations	s, etc.)	_			
4.	Typ	pe of Bridge						
		Beam bridge		Arch bridge			Suspension b	ridge
		Truss bridge		Cable-stayed b	oridge			

5.	Technical Data						
	Length	m ft	Width	m ft			
	(a) Superstructure	Number of spans	Ma	x. Length of span _	m ft		
		Max height above grade		m ft			
		□ Steel	☐ Reinforced o	concrete $\square$	Prestressed concrete		
		☐ Posttensioned concrete	☐ Other (speci	fy)			
	(b) Piers	Max height	n t				
		☐ Concrete	☐ Other (speci	fy)			
6.	Construction of Super-structure   Prefabricated beams		placed with	Crane	☐ Barges involved		
			placed with   I	Launching girder			
		☐ Cast in situ	☐ With travelli	ing shutter	☐ On scaffolding		
		☐ Free cantilever construct	ion	on			
7.	Type of foundation	□ Caissons	Depth				
		□ Piles	Depth	ft			
		□ Slabs	Depth	ft			
8.	Details of Subsoils	Please attach diagrams of stra	ta.				
9.	Ground Water	nd Water Level below grade		Dewatering require	ed? YES□ NO□		
		Quantities of water to be rem	oved	1/S			
		Number of pumps to be used		Number of stand-b	py pumps		
		Total capacity of pumps	m	³/h			
		Pumps are driven	□ electrically	□ by combu	ustion engines		
		Electric power supply	☐ off the main	n □ by own generator(s)			
10.	Bridge Over Body	☐ River	□ Lake	□ Bay			
	of Water	☐ Other (specify)					
	Name of body of water						
		□ Tidal	☐ Non-tidal				

Normal in dry seasonft		High and Low Water Levels	Ob	eservation period		years m		months	
Normal floodft		.,	No	ormal in dry season		ft			
Rates of Flow Observation period						ft			
Normal in dry seasonm²/s Normal floodm²/s Highest ever recordedm²/sm²/s Protection from water damage Coffer dam Height above normal flood level m³/s Diversion channel Capacity m³/s Sheet piles Timber piles Lateral support of piles: YES NO  Details Is there a flood warning system? YES NO							Date		
Normal floodm'/s		Rates of Flow	Normal in dry season			years		months	
Protection from water damage    Protection from water damage						m³/s			
Protection from water damage    Diversion channel   Capacitym³/s     Sheet piles   Timber piles     Lateral support of piles: YES   NO     Details Is there a flood warning system? YES   NO     Time lapse between warning and time when flood reaches site: hours    ANTICIPATED PERIOD OF WORK (MONTHS)     Temporary Works     Earthworks and approaches     Foundations     Piers and abutments     Superstructure     Other works (railing, lighting installation, etc.)     Must traffic be maintained during construction of the bridge? YES   NO     NO     YES   NO     NO     ANTICIPATED PERIOD OF WORK (MONTHS)     NO     YES   NO     NO     YES   NO     NO     NO     NO     NO     YES   NO						m³/s			
water damage  Diversion channel Capacitym*/s  Is sheet piles Timber piles  Lateral support of piles: YES NO Details  Is risk of flooding reduced by upstream dams? YES NO Details  Is there a flood warning system? YES NO Time lapse between warning and time when flood reaches site:hours  11. Construction Schedule  COMPONENT ANTICIPATED PERIOD OF WORK (MONTHS)  Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge? YES NO TIME			Highest ever recorded			m³/s	Date		
Diversion channel				Coffer dam	Height above	e normal flo	ood level	m	
Lateral support of piles:  Is risk of flooding reduced by upstream dams?  Details  Is there a flood warning system?  Time lapse between warning and time when flood reaches site:  hours  11. Construction Schedule  COMPONENT  ANTICIPATED PERIOD OF WORK (MONTHS)  Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES □ NO □		water damage		Diversion channel	Capacity		$m^3/s$		
Is risk of flooding reduced by upstream dams?  Details				Sheet piles	☐ Timber	piles			
Details			La	teral support of piles:				YES □	NO 🗖
Time lapse between warning and time when flood reaches site:			Is	risk of flooding reduced	l by upstream da	ms?		YES □	NO 🗖
Time lapse between warning and time when flood reaches site:hours  11. Construction Schedule  COMPONENT ANTICIPATED PERIOD OF WORK (MONTHS)  Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES □ NO □			De	tails					
11. Construction Schedule  COMPONENT  ANTICIPATED PERIOD OF WORK (MONTHS)  Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES  NO			Is 1	there a flood warning sy	vstem?			YES □	NO 🗖
COMPONENT  Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  ANTICIPATED PERIOD OF WORK (MONTHS)  Components  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)			Tiı	ne lapse between warni	ng and time whe	en flood rea	ches site:		_hours
Temporary Works  Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES  NO	11.	Construction Schedul	e						
Earthworks and approaches  Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES  NO		COMPONENT			ANT	ICIPATED	PERIOD O	F WORK (MONTH	HS)
Foundations  Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES  NO		Temporary Works							
Piers and abutments  Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES □ NO □		Earthworks and appro	oach	es					
Superstructure  Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES □ NO □		Foundations							
Other works (railing, lighting installation, etc.)  12. Must traffic be maintained during construction of the bridge?  YES  NO		Piers and abutments							
12. Must traffic be maintained during construction of the bridge?  YES □ NO □		Superstructure							
		Other works (railing, lighting installation, etc.)							
13. To what extent might the contract works be destroyed in one loss event?	12.	Must traffic be mainta	aineo	d during construction of	the bridge?			YES □	NO 🗆
13. To what extent might the contract works be destroyed in one loss event?									
13. To what extent might the contract works be destroyed in one loss event?									
	13.	To what extent might	To what extent might the contract works be destroyed in one loss event?						

14.	Wh	What work will be executed by subcontractors?							
15.	Wh	ich contractors will work independently of the insured at the site or in its immediate vicinity?							
16.	(a)	Where are the barracks, construction plant and equipment, stores, workshops, etc. located? (Give details.)							
	(b)	To what extent will these facilities be protected against flood? (Give details.)							