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Supplementary Questionnaire

Construction of Bridges

1. Title of Contract

_____

_____

2. Site

❒ Flat ❒ Hilly ❒ Mountainous ❒ Built-up area ❒ Semi-built area ❒ Open area

If project is in built-up area, state distance from and type of neighbouring structure: _____

_____

_____

3. Breakdown of Values

ITEM	VALUES
☐ Temporary Works	$_____
☐ Earthworks and approaches	$_____
☐ Foundations	$_____
☐ Piers and abutments	$_____
☐ Superstructure	$_____
☐ Other works (railing, lighting,installations, etc.)	$_____

4. Type of Bridge

☐ Beam bridge ☐ Arch bridge ☐ Suspension bridge

☐ Truss bridge ☐ Cable-stayed bridge

5. Technical Data

Length _____ m / ft Width _____ m / ft

(a) Superstructure Number of spans _____ Max. Length of span _____ m / ft

Max height above grade _____ m / ft

☐ Steel ☐ Reinforced concrete ☐ Prestressed concrete

☐ Posttensioned concrete ☐ Other (specify) _____

(b) Piers Max height _____ m / ft

☐ Concrete ☐ Other (specify) _____

6. Construction of Super-structure

☐ Prefabricated beams placed with ☐ Crane ☐ Barges involved

placed with ☐ Launching girder

☐ Cast in situ ☐ With travelling shutter ☐ On scaffolding

☐ Free cantilever construction

7. Type of foundation

☐ Caissons Depth _____ m / ft

☐ Piles Depth _____ m / ft

☐ Slabs Depth _____ m / ft

8. Details of Subsoils Please attach diagrams of strata.

9. Ground Water

Level below grade _____ ft Dewatering required? YES ❒ NO ❒

Quantities of water to be removed _____ ^{1}/s

Number of pumps to be used _____ Number of stand-by pumps _____

Total capacity of pumps _____ m^3/h

Pumps are driven ☐ electrically ☐ by combustion engines

Electric power supply ☐ off the main ☐ by own generator(s)

10. Bridge Over Body of Water

☐ River ☐ Lake ☐ Bay

☐ Other (specify) _____

Name of body of water _____

☐ Tidal ☐ Non-tidal

High and Low Water Levels	Observation period	_____ years	_____ months
	Normal in dry season	_____ ft / m	
	Normal flood	_____ ft / m	
	Highest ever recorded	_____ ft	Date _____
Rates of Flow	Observation period	_____ years	_____ months
	Normal in dry season	_____ m^3/s	
	Normal flood	_____ m^3/s	
	Highest ever recorded	_____ m^3/s	Date _____
Protection from water damage	☐ Coffer dam	Height above normal flood level _____ m	
	☐ Diversion channel	Capacity _____ m^3/s	
	☐ Sheet piles	☐ Timber piles	
	Lateral support of piles:		YES ☐ NO ☐
	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 ☐

_____

_____

13. To what extent might the contract works be destroyed in one loss event?

_____

_____

14. What work will be executed by subcontractors?

15. Which 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.)