

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Regional Manager/Real Property
Contracting/PWGSC**
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

THIS DOCUMENT CONTAINS A SECURITY
REQUIREMENT.

Title - Sujet DRIC Geotechnical/Foundations Eng.	
Solicitation No. - N° de l'invitation T8032-120005/A	Date 2012-07-26
Client Reference No. - N° de référence du client T8032-120005	
GETS Reference No. - N° de référence de SEAG PW-\$PWL-027-1723	
File No. - N° de dossier PWL-2-35030 (027)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-09-06	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Jackson, Dahlia	Buyer Id - Id de l'acheteur pwl027
Telephone No. - N° de téléphone (416) 512-5918 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Detroit River International Crossing Project Windsor, Ontario Detroit, Michigan	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Regional Manager/Real Property Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) Signature Date	

THIS PROCUREMENT CONTAINS A SECURITY REQUIREMENT

REQUEST FOR PROPOSAL (RFP)

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SUPPLEMENTARY INSTRUCTIONS TO PROPONENTS (SI)

SI1 INTRODUCTION

1. Transport Canada (TC) intends to retain an individual consulting firm or joint venture to provide the professional services for the project as set out in this Request for Proposal (RFP).
2. This is a single phase selection process. The nature of the requirement and the anticipated limited number of response by the industry leads TC to believe that this approach will not unduly force a large number of firms to expend an overall unreasonable amount of effort in response to TC.
3. Proponents responding to this RFP are requested to submit a full and complete proposal. The proposal will cover not only the qualifications, experience and organization of the proposed Consultant Team, but also the detailed approach to the work, and the pricing and terms offered. A combination of the technical and price of services submissions will constitute the proposal.

SI2 PROPOSAL DOCUMENTS

1. All instructions, general terms, conditions and clauses identified in the RFP by number, date and title, are hereby incorporated by reference into and form part of this solicitation and any resultant contract.

All instructions, general terms, conditions and clauses identified in the RFP by number, date and title, are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

2. The following are the proposal documents:
 - (a) Supplementary Instructions to Proponents (SI);
R1410T (2012-07-16), General Instructions to Proponents (GI);
Submission Requirements and Evaluation (SRE);
 - (b) the general terms, conditions and clauses, as amended, identified in the Agreement clause;
 - (c) Terms of Reference;
 - (d) the Security Requirements Check List (SRCL);
 - (e) any amendment to the solicitation document issued prior to the date set for receipt of proposals; and
 - (f) the proposal, Declaration/Certifications Form and Price Proposal Form.

3. Submission of a proposal constitutes acknowledgment that the Proponent has read and agrees to be bound by these documents.

SI3 OPTIONAL SITE VISIT

Arrangements have been made for a tour of the work site. The site visit will be held on August 23, 2012 at 10:00 a.m. at the DRIC Office located at 100 Ouellette Ave. Suite 300, Windsor, Ontario N9A6T3 Canada.

Proponents are requested to communicate with the Contracting Authority named on the RFP - Page 1 two (2) business days before the scheduled visit to confirm attendance and provide the name(s) of the person(s) who will attend.

Proponents may be requested to sign an attendance form.

Proponents who do not attend or send a representative will not be given an alternative appointment. Any clarifications or changes to the solicitation resulting from the site visit will be included as an amendment to the solicitation.

SI4 QUESTIONS OR REQUEST FOR CLARIFICATION

Questions or requests for clarification during the solicitation period must be submitted in writing to the Contracting Authority named on the RFP - Page 1 as early as possible. Enquiries should be received no later than seven (7) working days prior to the closing date identified on the front page of the Request for Proposal. Enquiries received after that date may not be answered prior to the closing date of the solicitation.

SI5 CANADA'S TRADE AGREEMENTS

This procurement is subject to the provisions of the North American Free Trade Agreement (NAFTA), the World Trade Organization - Agreement on Government Procurement (WTO-AGP), the Canada-Colombia Free Trade Agreement (FTA) and the Canada-Peru FTA.

SI6 CODE OF CONDUCT CERTIFICATIONS - CONSENT TO A CRIMINAL RECORD VERIFICATION

Pursuant to GI 1 of General Instructions to proponents R1410T (2012-07-16), a Consent to a Criminal Record Verification form must be submitted with the proposal, by the proposal solicitation closing date, for each individual who is currently on the Proponent's Board of Directors. Canada will declare non-responsive any proposal in respect of which the information herein requested is missing or inaccurate, or in respect of which the information contained in the certifications specified hereinafter is found to be untrue, in any respect, by Canada.

Proponents must submit with their proposal, by the proposal solicitation closing date:

(a) a complete list of names of all individuals who are currently directors of the Proponent;

(b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229), for each individual named in the list.

SI7 CHANGES TO CLAUSE R1410T (2012-07-16) General Instructions to Proponents

1. Section "GI3 (2012-07-16) Overview of Selection Procedure, 3.2 Proposal Evaluation and Rating, Item 5. is deleted and replaced with the following:

GI3 3.2 Proposal Evaluation and Rating

5. The remaining prices proposals are rated as follows:

- a. The lowest price proposal receives a Price Rating/maximum Score of 30;
- b. Other price proposals will receive a Score based on the following formula:

$$\frac{\text{Lowest Price Proposal}}{\text{Proponent Price Proposal}} \times 30 \text{ points} = \text{Price Rating/Score}$$

SI8 SECURITY REQUIREMENT

- 1. This procurement contains a Security Requirement as described in the Supplementary Conditions.
- 2. Foreign proponents shall contact the Contracting Authority for a specific Security clause before submitting their proposal.

SI9 WEB SITES

The connection to some of the Web sites in the RFP is established by the use of hyperlinks. The following is a list of the addresses of the Web sites:

Employment Equity Act

<http://laws.justice.gc.ca/en/E-5.401/index.html>

Federal Contractors Program (FCP)

<http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml>

Certificate of Commitment to Implement Employment Equity form LAB 1168

<http://www.servicecanada.gc.ca/cgi-bin/search/eforms/index.cgi?app=profile&form=lab1168&dept=sc&lang=e>

Code of Conduct for Procurement

<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>

Consent to a Criminal Record Verification (PWGSC-TPSGC 229 form)

[Http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html](http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html)

Lobbying Act

<http://laws.justice.gc.ca/en/L-12.4/?noCookie>

Contracts Canada

<https://buyandsell.gc.ca/>

Supplier Registration Information

<https://srisupplier.contractsCanada.gc.ca>

Consultant Performance Evaluation Report Form

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/2913-1.pdf>

Canadian economic sanctions

<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>

National Joint Council (NJC) Travel Directive

<http://www.njc-cnm.gc.ca/directive/travel-voyage/index-eng.php>

TERMS, CONDITIONS AND CLAUSES

AGREEMENT

1. The Consultant understands and agrees that upon acceptance of the offer by Canada, a binding Agreement shall be formed between Canada and the Consultant and the documents forming the Agreement shall be the following:
 - (a) the Front Page and this Agreement clause;
 - (b) the General Terms, Conditions and Clauses, as amended, identified as:
 - R1210D (2012-07-16), GC1 - General Provisions
 - R1215D (2011-05-16), GC2 - Administration of the Contract
 - R1220D (2011-05-16), GC3 - Consultant Services
 - R1225D (2012-07-16), GC4 - Intellectual Property
 - R1230D (2012-07-16), GC5 - Terms of Payment
 - R1235D (2011-05-16), GC6 - Changes
 - R1240D (2011-05-16), GC7 - Taking the Services Out of the Consultant's Hands, Suspension or Termination
 - R1245D (2012-07-16), GC8 - Dispute Resolution
 - R1250D (2012-07-16), GC9 - Indemnification and Insurance
 - Supplementary Conditions
 - Agreement Particulars
 - (c) Terms of Reference;
 - (d) the Security Requirements Check List (SRCL);
 - (e) any amendment to the solicitation document incorporated in the Agreement before the date of the Agreement;
 - (f) the proposal, the Declaration/Certifications Form and the Price Proposal Form.
2. The documents identified above by title, number and date are hereby incorporated by reference into and form part of this Agreement, as though expressly set out herein, subject to any other express terms and conditions herein contained.

The documents identified above by title, number and date are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. If there is a discrepancy between the wording of any documents that appear on the following list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.
 - (a) any amendment or variation in the Agreement that is made in accordance with the terms and conditions of the Agreement;
 - (b) any amendment to the solicitation document incorporated in the Agreement before the date of the Agreement;
 - (c) this Agreement clause;
 - (d) Supplementary Conditions;

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T8032-120005/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pw1027

Client Ref. No. - N° de réf. du client

T8032-120005

File No. - N° du dossier

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-
- (e) General Terms, Conditions and Clauses;
 - (f) Agreement Particulars;
 - (g) Terms of Reference;
 - (h) the document entitled "Security Requirement Check List";
 - (i) the proposal.

SUPPLEMENTARY CONDITIONS (SC)

SC1 SECURITY REQUIREMENTS

SECURITY REQUIREMENT FOR CANADIAN SUPPLIER: PWGSC FILE # T8032-120005

1. The Contractor/Offeror must, at all times during the performance of the Contract, hold a valid Designated Organization Screening (DOS) with approved Document Safeguarding at the level of PROTECTED B, issued by the Canadian Industrial Security Directorate, Public Works and Government Services Canada.
2. The Contractor/Offeror personnel requiring access to PROTECTED information, assets or work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
3. The Contractor MUST NOT utilize its Information Technology systems to electronically process, produce or store PROTECTED information until the CISD/PWGSC has issued written approval. After approval has been granted or approved, these tasks may be performed at the level of PROTECTED B.
4. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
5. The Contractor/Offeror must comply with the provisions of the:
 - (a) Security Requirements Check List and security guide (if applicable), attached at Annex D;
 - (b) Industrial Security Manual (Latest Edition)

* DOS must be obtained prior to project start-up. To avoid delays in the project schedule, Proponents are strongly encouraged to initiate the DOS clearance process as soon as possible by contacting the Security Advisor for PWGSC at the coordinates below;

Regional Chief Security and Emergency Preparedness

Telephone: 416-512-5968

Facsimile: 416-952-6481

Email: ONTSecurityandEmergencyManagement.SecuriteetGestiondes@pwgsc-tpsgc.gc.ca

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AGREEMENT PARTICULARS

The Agreement Particulars will be issued at time of award of contract and will identify the fee to be paid to the Consultant for the services determined in the Price Proposal Form.

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- PD 1 Project Information
- PD 2 Project Identification
- PD 3 Project Background
- PD 4 Existing Documentation
- PD 5 Program
- PD 6 Project Objectives
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REQUIRED SERVICES

- RS 1 Foundations Investigations
- RS 2 Geotechnical Investigations

TERMS OF REFERENCE

These Terms of Reference are divided into two sections:

- **Description of Project**
- **Description of Services**
 - Project Administration
 - Required Services

DESCRIPTION OF PROJECT (PD)

PD 1 PROJECT INFORMATION

The Windsor Gateway Project of Transport Canada requires immediate services of a firm or firms to perform geotechnical / foundation engineering in Windsor, Ontario and Detroit, Michigan.

The successful respondent will be expected to work closely with Transport Canada, its consultant program manager, and civil engineering contractor.

Transport Canada (TC) intends to retain a firm qualified and capable of undertaking the requirements related to geotechnical / foundation engineering investigations, analysis and documentation for the new bridge and other works.

- | | |
|-------------------------------------|--|
| 1.1 TC Project Title: | Detroit River International Crossing Project
Geotechnical/Foundation Engineering Services |
| 1.2 Location of the Project: | Windsor, Ontario, Canada &
Detroit, Michigan, USA |
| 1.3 Client / User: | Transport Canada |
| 1.4 TC Project Manager: | Sean O'Dell
Executive Director, Windsor Gateway Project Team |

PD 2 PROJECT IDENTIFICATION

2.1 Rationale

Transport Canada is the Government of Canada department responsible for the Detroit River International Crossing (DRIC) project (also known as the New International Trade Crossing or NITC), a proposed new international crossing from Windsor, Ontario to Detroit, Michigan. Environmental assessments have been approved for the project, and the project is presently in the pre-procurement phase, which includes proceeding with further engineering and design work. It is anticipated that the project will be designed-built-operated-maintained and partly

financed through a public-private partnership (P3). The information required as part of this request for proposals (RFP) is needed prior to entering into a formal P3 procurement process.

This RFP is intended to acquire services to obtain geotechnical/foundation information for the U.S. and Canadian portions of the project and to have it documented in one single integrated report, the Subsurface Conditions Baseline Report. This report will be used by Bidders in the eventual procurement process. As well, separate geotechnical, pavement and foundation recommendations are required for independent use by the project sponsors; these will not be made available to the potential P3 Bidders but are for the exclusive use of the project sponsors in the subsequent procurement process.

2.2 Schedule

Time is of the essence for this project.

2.2.1 Anticipated Start Date

The start date for this assignment is pending receipt of third-party approvals / permission being obtained by Transport Canada.

Upon receipt of approvals, the Consultant will have full access to all unoccupied industrial / residential properties for the purposes of advancing boreholes. In the event that a proposed borehole location falls within the limits of a property where access has not been granted, the borehole location will be adjusted by the Project Manager for the contract. This is therefore referred to as Canadian Stage 1 work.

For work in the U.S., Transport Canada will determine in conjunction with appropriate U.S. authorities when access can be provided to all unoccupied industrial / residential properties for the purposes of advancing boreholes. This is therefore referred to as US Stage 2 work.

2.2.2 Required Milestone Dates

For the Canadian Stage 1 work, the draft Subsurface Conditions Baseline Report shall be submitted to the Project Manager within 12 weeks of the project start date.

For the Canadian Stage 1 work, the final Subsurface Conditions Baseline Report shall be submitted to the Project Manager no later than 15 weeks following the project start date.

Milestone dates for the US Stage 2 work will be determined by the Transport Canada in conjunction with the appropriate U.S. authorities and will be communicated to the Successful Respondent post award.

PD 3 PROJECT BACKGROUND

The DRIC project consists of four primary elements: the new Detroit River bridge (between Windsor and Detroit), the associated United States (U.S.) and Canadian plazas and a connection to I-75 in Detroit.

The Record of Decision (ROD), the Final Environmental Impact Statement (FEIS), the Canadian Environmental Assessment documentation and all the supporting technical reports that document how the analysis and selection of the U.S. and Canadian elements were selected can be found at <http://www.partnershipborderstudy.com/reports.asp>

A detailed description of the project elements relevant to this RFP is detailed in PD 5 Program.

PD 4 EXISTING DOCUMENTATION

4.1 Existing Documentation - available for all proponents

"Geotechnical Data Report, Canadian Inspection Plaza, Proposed International Border Crossing of the Detroit River, Windsor, Ontario" Golder Associates Ltd., April 2010:

Available upon request to proponents interested in bidding on this contract. **Those requesting the report will be required to sign a non-disclosure agreement.**

4.2 Access to Documentation for Proponents

The Record of Decision (ROD), the Final Environmental Impact Statement (FEIS), the Canadian Environmental Assessment documentation and all the supporting technical reports that document how the analysis and selection of the U.S. And Canadian elements were selected:

<http://www.partnershipborderstudy.com/reports.asp>

PD 5 PROGRAM

5.1 Detroit River Bridge

The proposed Detroit River crossing is to be either a suspension or a cable-stayed bridge. The main span is to span over the river from a tower located on the U.S. side to a tower located on the Canadian side; there are to be no piers in the Detroit River. The bridge will be six lanes wide with flexibility to allow for future expansion to eight lanes.

Each type of bridge has different configurations related to main span tower and abutment locations and related approach span abutments and piers locations. The type of bridge will also determine whether horizontal load anchoring is a significant requirement. The foundation investigations will be taken to bedrock to determine the load carrying capability and other physical characteristics that are present for both bridge options.

5.2 Canadian Plaza

The proposed Canadian Inspection Plaza is located in the Brighton Beach area of the City of Windsor, Ontario and is bounded on the north by Chappus Street, on the south by Broadway Street, on the east by Ojibway Parkway and on the west by the Detroit River. The site is approximately 142 acres in area and consists of approximately six main buildings (17,000 m2±),

inspection booths, toll booths, roadways, queuing lanes, parking areas and storm water management facilities.

General details of the plaza are provided on Figure 1 in Appendix E. It is anticipated that considerable fill (in places more than 3- 5 m) will be placed on the site to bring the site up to grade. Limited foundation investigation to supplement prior geotechnical work is required here.

5.3 United States (US) Plaza

The proposed US Inspection Plaza is located in the Delray area of the City of Detroit and is bounded on the north by the Norfolk Southern Railroad, on the south by West Jefferson Avenue, on the east by South Campbell Street and on the west by South Post Street. The site is in close proximity to I-75 to the north and covers an area of approximately 170 acres. General details of the plaza are provided on Figure 2 Selected Alternative, Detroit River International Crossing Study, attached in Appendix E. It is anticipated that on site work will be required to supplement the prior work done largely on road ROW's due to lack of access to private properties on the site. This will include foundation investigations for the proposed buildings. It will also include geotechnical investigations to facilitate the design and placement of buildings, pavements, drainage structures and other components of the plaza.

5.4 U.S. Interchange

The proposed US Plaza will connect directly to I-75 via a Y-style interchange centered near Livernois Avenue. New elevated ramps will be constructed over I-75, Fort Street (M 85) and the Norfolk Southern Railroad. In particular, four long-ramp structures, four I-75 mainline structures, a wide structure across the Norfolk Southern Railroad, one small ramp to ramp structure, several foot bridges and significant lengths of retaining walls are to be constructed.

Foundation investigations are needed for the design and placement of bridge and retaining wall foundations. Geotechnical investigations are also needed for the design of pavement modifications on I-75 and other roadways, plus the design of general infrastructure in the overall interchange. General details of the interchange are provided on Figure 2 Selected Alternative, Detroit River International Crossing Study, attached in Appendix E.

Canadian and US Approach Work

The proposed Canadian and US approaches to the Main Bridge Span consists of several separate approach spans carrying six lanes of traffic from the Canadian Plaza and the US Plaza to the International Bridge.

General details of the two arrangements of the Canadian approach spans are provided on Figure 3 and Figure 4 in the Appendix E. It is anticipated that foundation investigations for the piers and abutments of these approach structures will be taken into bedrock to determine the load carrying capability and other physical characteristics that are present.

PD 6 PROJECT OBJECTIVES

The purpose of this geotechnical investigation is to establish existing soil/subsurface conditions, their properties and load bearing capabilities, sufficiently to facilitate the issuance of the P3

procurement documents which will include the design of the main span foundations, approach span foundations, interchange structures foundations, roadway pavements, plaza pavements, building foundations, earth works and the other plaza components dependent on geotechnical conditions. These findings are to be documented into one integrated report having the same format for both Canadian and US components; the Subsurface Conditions Baseline Report.

It is intended that the results of this geotechnical work, the Subsurface Conditions Baseline Report, be provided to potential Bidders for use during the P3 procurement phase of the project. Bidders will rely on this information for this procurement phase and the results of the work shall be undertaken and reported in such a manner as to facilitate this.

It is also intended that a second stream of the results of the geotechnical work, shall be design reports and / or memos that provide geotechnical, pavement and foundations recommendations. These will not be made available to the potential Bidders but are for the exclusive use of the government entities who will manage the P3 procurement process.

6.1 Performance Requirements

The Consultant shall perform the Services and fulfill the duties to the standard of diligence, skill and care that consultants would customarily provide in similar circumstances and in the same relative geographic location, subject to the Consultant's professional and legal liabilities.

As a minimum, the services provided in association with the geotechnical investigations / pavement and foundation investigations shall satisfy the typical industry requirements in the Province of Ontario and the State of Michigan for similar roadway and structural projects. In Ontario this would include requirements related to Ministry of Transportation (West Region) borehole investigations ("High Complexity") and the services shall be completed in accordance with the PEO Guideline titled "Professional Engineers Providing Geotechnical Engineering Services". Similar requirements for the State of Michigan will be applicable to work in the US.

6.2 Health and Safety

Transport Canada (TC) recognizes the responsibility to ensure the health and safety of all persons on Crown projects and the entitlement of both federal employees and private sector workers to the full protection afforded them by occupational health and safety regulations.

In keeping with the responsibility and in order to enhance health and safety protection for all individuals on federal construction sites, TC will voluntarily comply with the applicable provincial/territorial health and safety acts and regulations, in addition to the related Canada Occupational Safety and Health Regulations.

PD 7 ISSUES

Proponents bidding on this contract are advised of possible artesian groundwater conditions in the project area, with pressure heads more than 10 m above ground surface in some areas. In addition, it is understood that the water may contain sulphides which, on exposure to atmospheric pressure, may release hydrogen sulphide.

PD 8 CONSULTANT SERVICES

The consultant team for this project must be capable of providing the following services:

Geotechnical Engineering
Foundation Engineering

Respondents to this RFP must be qualified and capable of undertaking the requirements of this RFP related to geotechnical / foundation engineering investigations, analysis and documentation for the new bridge and other works. In this regard, all Proponents must:

- Be licensed to carry out geotechnical/foundation engineering in both Ontario (Canada) and in Michigan (USA);
- Must be able to demonstrate prior experience carrying out work of similar nature and complexity within the past ten (10) years;
- Provide a minimum of three (3) references of which one must be from a Provincial, State or Federal government agency or authority;
- See Submission Requirements and Evaluation section for specific qualification and experience required,

Respondents may be a single geotechnical / foundation engineering company, supported by sub consultants as required, or a joint venture of two or more companies, ideally with operations in both Canada (Ontario) and the United States (Michigan). Respondents are encouraged to demonstrate their proven ability to meet the requirements of this geotechnical / foundation engineering RFP.

DESCRIPTION OF SERVICES

PA PROJECT ADMINISTRATION

PA 1 PROJECT ADMINISTRATION

INTENT

The following administrative requirements apply during all phases of project delivery.

1.1 TC Project Management

The Project Manager assigned to the project is the Departmental Representative.

The Project Manager is the Departmental officer directly concerned with the project and responsible for its progress. The Project Manager is the liaison between the Consultant, Transport Canada and Public Works and Government Services Canada.

Transport Canada administers the project and exercises continuing control over the Consultant's work during all phases of development. Unless directed otherwise by the Project Manager, the Consultant obtains all Federal requirements and approvals necessary for the work.

1.2 General Project Deliverables

Where deliverables and submissions include summaries, reports, drawings, plans or schedules, six (6) hard copies shall be provided plus one (1) copy shall be provided in electronic format unless otherwise specified.

1.3 Lines of Communication

Unless otherwise arranged with Project Manager, the Consultant shall communicate with the Project Manager only.

1.4 Media

The consultant shall not respond to requests for project related information or questions from the media. Such inquiries are to be directed to the Project Manager.

1.5 Meetings

The Project Manager shall arrange meetings throughout the entire project development period, for all members of project team, including representatives from:

- Transport Canada
- Deloitte & Touche
- Morrison Hershfield

- Delcan
- Consultant's Firm

The Consultant shall attend the meetings, record the issues and decisions and prepare and distribute minutes within 48 hours of the meeting.

1.6 Project Response Time

It is a requirement of this project that the key personnel of the successful proponent and sub consultant or specialist firms be personally available to attend meeting or respond to inquiries within one (1) day.

1.7 Submissions, Reviews and Approvals

Acceptance of the services / deliverables will be determined by the Project Manager. The Project Manager reserves the right to not accept services / deliverables if they are not of the quality expected by Transport Canada.

1.8 Measurements and Dimension

In the production of any reports / findings, etc., all dimensions/sizes / results are to be provided in metric and imperial units – i.e., for this instance, dual dimensioning is permitted and is required, as the investigations will cover both Canadian and US Plaza / Bridge requirements. This will apply generally for all produced reports and findings but may not apply in all instances (for example station location of boreholes).

RS REQUIRED SERVICES

The scope of this project includes: review of existing subsurface information; conducting field investigations (boreholes and in situ testing); laboratory testing and analyses; documentation and report preparation; attendance at project meetings; and responses to enquiries.

RS 1 FOUNDATION INVESTIGATIONS

1.1 INTENT

The foundation investigations will facilitate the subsequent foundation design (by others) of the Bridge's main span and it's approach spans, plaza buildings and interchange structures. In some locations, foundations investigation work has been done already as outlined herein.

1.2 GENERAL

Scope and Activities:

1.2.1 Main Bridge and Approaches

As the bridge type, Cable-Stayed or Suspension, will not be determined until the completion of the procurement process, boreholes are required at foundation locations for both the Cable Stay Bridge and the Suspension Bridge. Considerable foundations investigation work has been done already and the location of the existing and required work on the Canadian side is reflected on Figures 5 of Appendix E. The work on the US and also the Canadian side is outlined in Table 1 of Appendix E. In general, boreholes for the bridge foundations are to be advanced through the overburden to bedrock with subsequent coring into the bedrock. The purpose of this foundation investigation includes the following:

- Define the top of rock profile along the alignment;
- Characterize the general rock quality and variability within the required rock coring depth at each borehole;
- Establish bedrock engineering properties and structural geology (and variability thereof);
- Document soil/rock properties associated with foundation and embankment design, including vertical and lateral parameters and capacities required for the design of deep foundations elements;
- Document settlement properties and thickness of existing fill materials and buried organic soils (peat) for approach fill areas;
- Document groundwater chemistry (hydrogen sulphide in particular) for dewatering or disposal of artesian flow and for effect on durability of structural elements;
- Document groundwater pressures (artesian flow);
- Document permeability of rock and estimated magnitude of groundwater flows for construction of large and deep main pier caissons, mass concrete piers and foundations for anchorage blocks.

The following technical requirements are to be part of the investigation:

- All boreholes to be fitted with piezometer pressure gauges for measuring water pressures within the soil/fill overburden and within the rock core depth (significant variability has been noted in the water pressures and flowing pressure head equal to more than 10 m above ground have been encountered);
- A total of four (4) of the boreholes (two on the Canadian and two on the US sides) are to be angled boreholes for investigating natural open joints, fractures and other features;
- Cross-hole geophysics at one location to define dynamic properties of the very soft to firm overburden soils for seismic design.

For the Suspension Bridge Option, the consultant is to core into the bedrock to a depth of 10 meters for approach span abutments and piers and to a depth of 20 meters for towers and anchor blocks. The location and number of bore holes are provided in Appendix E.

For the Cable-Stayed Bridge Option, the consultant is to core into the bedrock to a depth of 10 meters for approach span abutments and piers and drill to a depth of 20 meters for pylons. The locations and number of bore holes are provided in Appendix E.

1.2.2 I-75 Interchange

For the I-75 interchange, foundations investigations are to cover all the bridges within the interchange area. However the actual number and locations of these boreholes are yet to be determined and will be determined and communicated post award. The consultant therefore shall provide a lump sum price based on 20 boreholes being drilled to a depth of 10 meters into bedrock. The consultant shall also provide a separate price for five meetings with the contract authorities post award to establish specific requirements. If a different number of boreholes / meetings are required, these prices will form the basis of adjustments as needed. No allowance for traffic management is to be included in these prices; traffic management costs will be negotiated once details are better known.

1.2.3 Canadian Plaza

For the Canadian Plaza previous foundation investigations have been conducted and are documented in "Geotechnical Data Report, Canadian Inspection Plaza, Proposed International Border Crossing of the Detroit River, Windsor, Ontario" Golder Associates Ltd., April 2010. Since that time the location of the Maintenance Building has been changed. To provide foundation information at the new location of this building, one new borehole is to be drilled to a maximum depth of 30 meters or to bedrock (to be confirmed by coring a minimum of 2 m into the bedrock).

1.2.4 US Plaza

For the US Plaza no foundations investigations have been undertaken and the actual number and locations of foundation investigation boreholes are yet to be determined and will be determined and communicated post award. The Consultant therefore shall provide a lump sum price based on 20 boreholes being drilled to a maximum depth of 30 meters or to bedrock (to be confirmed by coring a minimum of 2 metres into the bedrock). If a different number of boreholes are required, these prices will form the basis of adjustments as needed. These

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boreholes are to provide foundations information for the buildings to be placed on the US Plaza. Before drilling commences, the Project Manager will confirm the locations of these buildings and will arrange to provide access to the private properties for purposes of drilling.

RS 2 GEOTECHNICAL INVESTIGATIONS

2.1 INTENT

Geotechnical investigations are to facilitate the design of earth works; roadway pavements; plaza pavements and the other plaza and interchange components dependent on geotechnical conditions. Investigations are to include establishing existing subsurface conditions and properties and identifying any anomalies that may affect the placement of the plaza components.

2.2 GENERAL

Scope and Activities:

2.2.1 US and Canadian Approach Fills

For the US and Canadian approach fills, the Consultant shall drill 5 boreholes for each approach, to a depth of 10 meters to include exploration of the interface between the existing site fill or organics and the underlying native inorganic soils. Soil properties in general and in particular related to settlement of embankment and fills are to be determined and reported on.

2.2.2 Canadian Plaza

For the Canadian Plaza considerable geotechnical work has been done and 50 geotechnical boreholes to a depth of 1.5 metres to 4 meters have been drilled with appropriate documentation and analysis. This work is documented in the "Geotechnical Data Report, Canadian Inspection Plaza, Proposed International Border Crossing of the Detroit River, Windsor, Ontario" Golder Associates Ltd., April 2010. No additional field geotechnical work is anticipated for the Canadian Plaza.

2.2.3 US Plaza

For the US Plaza, the actual number and locations of boreholes has yet to be determined. The consultant therefore shall provide a lump sum price based on 50 boreholes being drilled to a minimum depth of 1.5 metres, focusing on the proposed plaza and parking areas. These are to supplement the geotechnical investigation program previously undertaken for the US Plaza primarily on public road allowances, of which it is estimated that approximately 20 boreholes were on the selected plaza location. The locations of these 50 additional boreholes are to be confirmed by the contract authorities as is the access to the private properties for purposes of drilling. If a different number of boreholes are required, the lump sum price will form the basis of adjustments as needed.

The consultant shall use the collective data from the previous and new borehole program as the basis for the Subsurface Conditions Baseline Report for the several elements outlined above. The data from the prior Canadian and US geotechnical program will be made available after award.

2.3 DUTIES

The Geotechnical / Foundations Engineering Consultant in general shall:

- Analyze subsurface conditions and bearing capacities based on drilling samples, field review, laboratory analysis and a review of background data.
- Ensure the geotechnical investigations must be of sufficient detail (sampling/testing/frequency) to sufficiently characterize the soils and provide clear data for the anticipated project design and construction elements.
- Ensure sampling requirements and laboratory testing for the borehole investigations shall be sufficient to meet the requirements of Subsurface Conditions Baseline Report.
- Attend meetings with the Project Manager and others to better establish requirements.
- Attend progress/project meetings, provide written recommendations and provide written responses to enquiries.

Based on the foregoing work, the Subsurface Conditions Baseline Report shall include the following suggested minimum content:

- Introduction including scope of work, procedure etc.
- Background including technical details of the proposed structures, site geology, terrain, hydrology, drainage conditions etc.
- Subsurface Conditions including description of the investigation program, soil strata, etc.
- Limitations on the investigation/reporting program.

As stated previously it is intended that the results of this geotechnical work, the Subsurface Conditions Baseline Report, be provided to potential Bidders for use during the P3 procurement phase of the project. Bidders will rely on this information to prepare their bid documents and the results of the work shall be undertaken and reported in such a manner as to facilitate this.

It is also intended that a second stream of the results of the geotechnical work, shall be design reports and / or memos that provide geotechnical, pavement and foundations recommendations. These will not be made available to the potential Bidders but are for the exclusive use of the government entities awarding the P3 concession.

SUBMISSION REQUIREMENTS AND EVALUATION

SRE 1 GENERAL INFORMATION

1.1 Reference to the Selection Procedure

An 'Overview of the Selection Procedure' can be found in R1410T General Instructions to Proponents (GI3).

1.2 Calculation of Total Score

For this project the Total Score will be established as follows:

Technical Rating x 70%	=	Technical Score (Points)
Price Rating x 30%	=	Price Score (Points)
Total Score	=	Max. 100 Points

SRE 2 PROPOSAL REQUIREMENTS

2.1 Requirement for Proposal Format

The following proposal format information should be implemented when preparing the proposal.

- Submit one (1) bound original plus six (6) bound copies of the proposal
- Paper size should be - 216mm x 279mm (8.5" x 11")
- Minimum font size - 11 point Times or equal
- Minimum margins - 12 mm left, right, top, and bottom
- Double-sided submissions are preferred
- One (1) 'page' means one side of a 216mm x 279mm (8.5" x 11") sheet of paper
- 279mm x 432 mm (11" x 17") fold-out sheets for spreadsheets, organization charts etc. will be counted as two pages.
- The order of the proposals should follow the order established in the Request for Proposal SRE section

2.2 Specific Requirements for Proposal Format

The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2 is thirty-one (31) pages.

The following are not part of the page limitation mentioned above;

- Covering letter
- Consultant Team Identification (Appendix A)
- Declaration/Certifications Form (Appendix B)
- Code of Conduct Certifications (Appendix B - Annex BB)

- Price Proposal Form (Appendix C)
- Front page of the RFP
- Front page of revision(s) to the RFP

Consequence of non-compliance: any pages which extend beyond the above page limitation and any other attachments will be extracted from the proposal and will not be forwarded to the PWGSC Evaluation Board members for evaluation.

SRE 3 SUBMISSION REQUIREMENTS AND EVALUATION

3.1 MANDATORY REQUIREMENTS

Failure to meet the mandatory requirements will render the proposal as non-responsive and no further evaluation will be carried out.

3.1.1 Licensing, Certification or Authorization

The proponent shall be licensed, or eligible to be licensed, to provide the necessary professional services to the full extent that may be required by provincial or territorial law in the province of Ontario, Canada and the state of Michigan, USA.

3.1.2 Consultant Team Identification

The consultant team to be identified must include the following:

Proponent (prime Consultant and Project Manager) - Geotechnical / Foundation Engineer

Geotechnical / Foundation Engineer must have a minimum of ten (10) years experience in geotechnical or foundation engineering.

Key Specialists - Project Engineer
 - Laboratory Manager
 - Field Crew Manager

Information required - name of firm, key personnel to be assigned to the project. For the prime consultant indicate current license and/or how you intend to meet the provincial or territorial licensing requirements. In the case of a joint venture identify the existing or proposed legal form of the joint venture (refer to R1410T General Instructions to Proponents, G19 Limitation of Submissions).

An example of an acceptable format (typical) for submission of the team identification information is provided in Appendix A.

3.1.3 Declaration/Certifications Form

Proponents must complete, sign and submit the following:

- Appendix B, Declaration/Certifications Form as required.

3.1.4 Code of Conduct Certifications - Consent to a Criminal Record Verification

Proponents must submit with their proposal, by the proposal solicitation closing date:

- (a) a complete list of names of all individuals who are currently directors of the Proponent;
- (b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229), for each individual named in the list;
- (c) see Appendix B - Annex BB

3.1.5 References

Proponents must provide three (3) references who can attest to the Proponent's experience and expertise as outlined in SRE Rated Requirement 3.2.1 Achievement of Proponent on Projects. At least one of the references must be a Provincial, State or Federal agency or authority. The maximum number of pages to be submitted is three (3) pages.

Information that should be supplied:

- Contact name and title
- Address, email address, website address, phone number
- Relationship to the Proponent
- Relevance to the projects cited in SRE 3.2.1 Achievements of Proponent on Projects

3.2 RATED REQUIREMENTS

3.2.1 Achievements of Proponent on Projects

Describe the Proponent's accomplishments, achievements and experience as prime consultant on projects.

Select a **maximum** of three (3) projects undertaken within the last ten (10) years. Joint venture submissions are not to exceed the maximum number of projects. Only the first three (3) projects listed in sequence will receive consideration and any others will receive none as though not included. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.1 is ten (10) pages.

Information that should be supplied:

- Clearly indicate how this project is comparable/relevant to the requested project.

-
- Brief project description and intent. Narratives should include the Proponent's scope of work, challenges and resolutions and key lessons learned from these projects.
 - Names of key personnel responsible for project delivery
 - Value of the projects
 - Budget control and management
 - Project schedule control and management - i.e. initial schedule and revised schedule - explain variation
 - Client references - name, address, phone and fax of client contact at working level - references may be checked

3.2.2 Achievements of Key Personnel on Projects

Describe the experience and performance of key personnel to be assigned to this project regardless of their past association with the current proponent firm. This is the opportunity to emphasize the strengths of the individuals on the team, to recognize their past responsibilities, commitments and achievements. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.2 is ten (10) pages.

Information that should be supplied for each key personnel:

- Professional accreditation
- Qualifications, relevant experience, expertise, number of years experience
- Role, responsibility and degree of involvement of individual in past projects
- Their role and responsibilities in relation to the Scope of Work

3.2.3 Understanding of the Project

The proponent should demonstrate understanding of the goals of the project, the functional/technical requirements, the constraints and the issues that will shape the end product. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.3 is two (2) pages.

Information that should be supplied:

- Significant issues, challenges and constraints
- Project schedule and cost. Review schedule and cost information and assess risk management elements that may affect the project

3.2.4 Scope of Services

The proponent should demonstrate capability to perform the services and meet project challenges and to provide a plan of action. Proponents should clearly articulate where the proposed resources will be based to undertake the work - i.e. from Ontario, from Michigan, or from elsewhere. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.4 is three (3) pages.

Information that should be supplied:

- Scope of Services - detailed list of services
- Work Plan - detailed breakdown of work tasks and deliverables
- Project schedule - proposed major milestone schedule
- Risk management strategy

3.2.5 Management of Services

The Proponent should describe how he /she proposes to perform the services and meet the constraints; how the services will be managed to ensure continuing and consistent control as well as production and communication efficiency; how the team will be organized and how it will fit in the existing structure of the firms; describe how the team will be managed. Proponents should clearly articulate where the proposed resources will be based to undertake the work - i.e. from Ontario, from Michigan, or from elsewhere. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.5 is three (3) pages.

Information that should be supplied:

- Confirm the makeup of the full project team including the names of the consultant sub-consultants and specialists personnel and their role on the project.
- Qualifications and experience of key members
- Organization chart with position titles and names (Consultant team). Joint Venture business plan, team structure and responsibilities, if applicable
- What back-up will be committed
- Profiles of the key positions (specific assignments and responsibilities)
- Outline of an action plan of the services with implementation strategies and sequence of main activities
- Reporting relationships
- Communication strategies
- Response time: demonstrate how the response time requirements will be met

3.2.6 Approach / Methodology to Deliver Scope of Services

The proponent should elaborate on aspects of the project considered to be a major challenge which will illustrate approach / methodology. Proponents should describe their approach to providing the engineering services that will assure a successful project with emphasis on best practices and lessons learned from previous representative projects. Proponents should specifically address their approach and methodology as it relates to artesian conditions and hydrogen sulphide. The maximum number of pages (including text and graphics) to be submitted for the Rated Requirements under SRE 3.2.6 is three (3) pages.

Information that should be supplied:

- Approach / Methodology
- Describe the major challenges and how your team approach will be applied to those particular challenges
- Approach and methodology as it relates to artesian conditions and hydrogen sulphide

3.3 EVALUATION AND RATING

In the first instance, price envelopes will remain sealed and only the technical components of the proposals which are responsive will be reviewed, evaluated and rated by an evaluation team composed of representatives of Transport Canada, PWGSC and Deloitte in accordance with the following to establish Technical Ratings:

Criterion	Weight Factor	Rating	Weighted Rating
Achievements of Proponent on Projects	1.5	0 - 10	0 – 15
Achievements of Key Personnel on Projects	2.0	0 - 10	0 – 20
Understanding of the Project	4.0	0 - 10	0 – 40
Scope of Services	0.25	0 - 10	0 - 2.5
Management of Services	2.0	0 - 10	0 – 20
Approach / Methodology	0.25	0 - 10	0 - 2.5
Technical Rating	10.0		0 - 100

Generic Evaluation Table

The Evaluation Board will evaluate the strengths and weaknesses of the Proponent's response to the evaluation criteria and will rate each criterion with even numbers (0, 2, 4, 6, 8 or 10) using the generic evaluation table below:

NON RESPONSIVE	INADEQUATE	WEAK	ADEQUATE	FULLY SATISFACTORY	STRONG
0 point	2 points	4 points	6 points	8 points	10 points
Did not submit information which could be evaluated	Lacks complete or almost complete understanding of the requirements.	Has some understanding of the requirements but lacks adequate understanding in some areas of the requirements.	Demonstrates a good understanding of the requirements.	Demonstrates a very good understanding of the requirements.	Demonstrates expert understanding of the requirements.

	Weaknesses cannot be corrected	Generally doubtful that weaknesses can be corrected	Weaknesses can be easily corrected	No significant weaknesses	No apparent weaknesses
	Proponent lacks qualifications and experience	Proponent does not have minimum qualifications and experience	Proponent has minimum qualifications and experience	Proponent is qualified and experienced	Proponent is highly qualified and experienced
	Team proposed is not likely able to meet requirements	Team does not cover all components or overall experience is weak	Team covers all components and will likely meet requirements	Team covers all components - some members have worked successfully together	Strong team - has worked successfully together on comparable projects
	Sample projects not related to this project's needs	Sample projects generally not related to this project's needs	Sample projects generally related to this project's needs	Sample projects directly related to this project's needs	Leads in sample projects directly related to this project's needs
	Extremely poor, insufficient to meet performance requirements	Little capability to meet performance requirements	Minimum acceptable capability, should meet minimum performance	Satisfactory capability, should ensure effective results	Superior capability, should ensure very effective results

To be considered further, proponents **must** achieve a minimum Technical Rating of sixty (60) points out of the hundred (100) points available as specified above.

No further consideration will be given to proponents not achieving the pass mark of sixty (60) points.

SRE 4 PRICE OF SERVICES

All price proposal envelopes corresponding to responsive proposals which have achieved the pass mark of sixty (60) points will be opened upon completion of the technical evaluation. An average price is determined by adding all the price proposals together and dividing the total by the number of price proposals being opened.

All price proposals which are greater than twenty-five percent (25%) above the average price will be set aside and receive no further consideration.

The remaining price proposals are rated as follows:

1. The lowest price proposal receives a Price Rating/maximum Score of 30;

2. Other price proposals will receive a Score based on the following formula:

$$\frac{\text{Lowest Price Proposal}}{\text{Proponent Price Proposal}} \times 30 \text{ points} = \text{Price Rating/Score}$$

SRE 5 TOTAL SCORE

Total Scores will be established in accordance with the following:

Rating	Possible Range	% of Total Score	Score (Points)
Technical Rating	60 - 100	70	42 - 70
Price Rating	0 - 100	30	0 - 30
Total Score		100	0 - 100

The Proponent receiving the highest Total Score is the first entity that the Evaluation Board will recommend for the provision of the required services. In the case of a tie, the proponent submitting the lower price for the services will be selected.

SRE 6 SUBMISSION REQUIREMENTS - CHECKLIST

The following list of documents and forms is provided with the intention of assisting the Proponent in ensuring a complete submission. The Proponent is responsible for meeting all submission requirements.

Please follow detailed instructions in R1410T General Instructions to Proponents, G116 Submission of Proposal. Proponents may choose to introduce their submissions with a cover letter.

- | | |
|--|--|
| <input type="checkbox"/> Team Identification | - see typical format in Appendix A |
| <input type="checkbox"/> Declaration/Certifications Form | - completed and signed - form provided in Appendix B |
| <input type="checkbox"/> Code of Conduct Certification /Consent to a Criminal Record Verification Form | - list of Directors and consent form for each individual individual named in the list, see Appendix B - Annex BB |
| <input type="checkbox"/> Proposal | - one (1) original plus six (6) copies required |
| <input type="checkbox"/> Front page of RFP | - completed and signed |
| <input type="checkbox"/> Front page(s) of any solicitation amendment | - completed and signed |

In a separate envelope:

- | | |
|--|--|
| <input type="checkbox"/> Price Proposal Form | - one (1) completed and submitted in a separate envelope - form provided in Appendix C |
|--|--|

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APPENDIX A

TEAM IDENTIFICATION FORMAT

APPENDIX A - TEAM IDENTIFICATION FORMAT

For details on this format, please see SRE in the Request For Proposal.

The prime consultant and other members of the Consultant Team shall be, or eligible to be, licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial, territorial or state law.

I. Prime Consultant and Project Manager (Proponent) -

GEOTECHNICAL / FOUNDATIONS ENGINEER:

Firm or Joint Venture Name:

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.....

Key Individuals and provincial professional licensing status and/or professional accreditation:

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II. Key Specialists:

PROJECT ENGINEER

Firm Name:

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Key Individuals and provincial professional licensing status and/or professional accreditation:

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LABORATORY MANAGER

Firm Name:

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Key Individuals and provincial professional licensing status and/or professional accreditation:

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FIELD CREW MANAGER

Firm Name:
.....
.....

Key Individuals and provincial professional licensing status and/or professional accreditation:

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APPENDIX B

DECLARATION / CERTIFICATIONS FORM

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APPENDIX B - DECLARATION/CERTIFICATIONS FORM

**Project Title: Detroit River International Crossing Project
Geotechnical/Foundation Engineering Services**

Name of Proponent: _____

Street Address:

Mailing Address:

(if different than street address)

City: _____

City: _____

Prov./Terr./State: _____

Prov./Terr./State: _____

Postal/ZIP Code: _____

Postal/ZIP Code: _____

Telephone Number: (____) _____

Fax Number: (____) _____

E-Mail: _____

Procurement Business Number:

Type of Organization: ____ Sole Proprietorship ____ Partnership ____ Corporation ____ Joint Venture	Size of Organization: Number of Employees _____ Graduate Architects / Professional Engineers _____ Other Professionals _____ Technical Support _____ Other _____
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APPENDIX B - DECLARATION/CERTIFICATIONS FORM (CONT'D)

Federal Contractors Program (FCP) - Certification

Pursuant to GI 12, The Proponent must complete the following certification.

1. The Proponent, or, if the Proponent is a joint venture the member of the joint venture, certifies its status with FCP, as follows:

The Proponent or the member of the joint venture

- (a) ☐ is not subject to the FCP, having a workforce of less than 100 full- time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada,
- (b) ☐ is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c.44;
- (c) ☐ is subject to the requirements of the FCP, having a workforce of 100 or more full time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) ☐ is subject to the FCP, and has a valid certificate number as follows:
_____ (e.g. has not been declared an ineligible contractor by HRSDC).

Please check the appropriate item above. Further information on the FCP is available on the HRSDC Web site.

2. If the Proponent does not fall within the exceptions enumerated in 1. (a) or (b), or does not have a valid certificate number confirming its adherence to the FCP, the Proponent must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.

APPENDIX B - DECLARATION/CERTIFICATIONS FORM (CONT'D)

Former Public Servant (FPS) - Certification

Contracts with former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts with FPS, proponents must provide the information required below.

Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- (a) an individual;
- (b) an individual who has incorporated;
- (c) a partnership made of former public servants; or
- (d) a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means, in the context of the fee abatement formula, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

Is the Proponent a FPS in receipt of a pension as defined above?

YES () NO ()

If so, the Proponent must provide the following information:

- (a) name of former public servant;
- (b) date of termination of employment or retirement from the Public Service.

Work Force Reduction Program

Is the Proponent a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? YES () NO ()

If so, the Proponent must provide the following information:

- (a) name of former public servant;
- (b) conditions of the lump sum payment incentive;
- (c) date of termination of employment;
- (d) amount of lump sum payment;
- (e) rate of pay on which lump sum payment is based;
- (f) period of lump sum payment including start date, end date and number of weeks;
- (g) number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

Certification

By submitting a proposal, the Proponent certifies that the information submitted by the Proponent in response to the above requirements is accurate and complete.

APPENDIX B - DECLARATION/CERTIFICATIONS FORM (CONT'D)

Name of Proponent: _____

DECLARATION:

I, the undersigned, being a principal of the proponent, hereby certify that the information given on this form and in the attached proposal is accurate to the best of my knowledge. If any proposal is submitted by a partnership or joint venture, then the following is required from each component entity.

.....
name

.....
signature

.....
title

I have authority to bind the Corporation / Partnership / Sole Proprietorship / Joint Venture

.....
name

.....
signature

.....
title

I have authority to bind the Corporation / Partnership / Sole Proprietorship / Joint Venture

.....
name

.....
signature

.....
title

I have authority to bind the Corporation / Partnership / Sole Proprietorship / Joint Venture

During proposal evaluation period, PWGSC contact will be with the following person:_____.

Telephone Number: () _____ Fax Number: () _____

E-mail: _____

Solicitation No. - N° de l'invitation

T8032-120005/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pw1027

Client Ref. No. - N° de réf. du client

T8032-120005

File No. - N° du dossier

PWL-2-35030

CCC No./N° CCC - FMS No/ N° VME

This Appendix "B" should be completed and submitted with the proposal, but may be submitted afterwards as follows: if Appendix "B" is not completed and submitted with the proposal, the Contracting Authority will so inform the Proponent and provide the Proponent with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the proposal non-responsive.

APPENDIX B

ANNEX BB

CODE OF CONDUCT CERTIFICATIONS

(see attached)

Proponents must submit with their proposal, by the Request for Standing Offers closing date:

- (a) a complete list of names of all individuals who are currently directors of the Proponent;
- (b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229),
(<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>)
for each individual named in the list.

Solicitation No. - N° de l'invitation

T8032-120005/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pw1027

Client Ref. No. - N° de réf. du client

T8032-120005

File No. - N° du dossier

PWL-2-35030

CCC No./N° CCC - FMS No/ N° VME

APPENDIX C

PRICE PROPOSAL FORM

APPENDIX C - PRICE PROPOSAL FORM

INSTRUCTIONS: Complete this Price Proposal Form and submit in a **separate sealed envelope** with the Name of Proponent, Name of Project, PWGSC Solicitation Number, and the words "PRICE PROPOSAL FORM" typed on the outside of the envelope. Price Proposals are not to include GST/HST.

PROPOSERS SHALL NOT ALTER THIS FORM

**Project Title: Detroit River International Crossing Project
Geotechnical/Foundation Engineering Services**

Name of Proponent: _____

The following will form part of the evaluation process:

REQUIRED SERVICES

FIXED FEE

A. Canadian Stage 1 work

RS 1 Foundation Investigations

Fixed Lump Sum

Main Bridge & Approaches	
16 Boreholes, 10 metres into bedrock	\$.....
14 Boreholes, 20 metres into bedrock	\$.....
Canadian Plaza-1 Borehole to 30 metres (or 2m into bedrock)	\$.....
Five (5) Meetings	\$.....
RS 2 Geotechnical Investigation	
Canadian Approach Fill-5 Boreholes to a depth of 10 metres	\$.....
One Mobilization	\$.....
<u>TOTAL FEE - CANADIAN STAGE 1 WORK</u>	\$.....

B. US Stage 2 work**RS 1 Foundation Investigations**

Main Bridge & Approaches	
33 Boreholes, 10 metres into bedrock	\$.....
10 Boreholes, 20 metres into bedrock	\$.....
I-75 Interchange-20 Boreholes, 10 metres into bedrock	\$.....
US Plaza-20 Boreholes to 30 metres (or 2m into bedrock)	\$.....
RS 2 Geotechnical Investigation	
US Approach Fill-5 Boreholes to a depth of 10 metres	\$.....
US Plaza-50 Boreholes to a minimum depth of 1.5 metres	\$.....
Two Mobilizations	\$.....
TOTAL FEE - US STAGE 2 WORK	\$.....

TOTAL COST OF SERVICES FOR PROPOSAL EVALUATION PURPOSES

A. Total Fee - Canadian Stage 1 Work	\$.....
B. Total Fee - US Stage 2 Work	\$.....
Total Evaluated Fee	\$.....

The following will NOT form part of the evaluation process

THE FOLLOWING UNIT PRICES & HOURLY RATES MAY BE USED FOR FUTURE CONTRACT AMENDMENTS.

Canada may accept or reject any of the following fees, disbursements and/or hourly rates. Canada reserves the right to negotiate on these fees, disbursements and/or hourly rates.

Canadian Stage 1 Work**Foundation Investigations****Unit Price ***

Main Bridge & Approaches	
1 Borehole, 10 metres into bedrock	\$.....
1 Borehole, 20 metres into bedrock	\$.....
Canadian Plaza-1 Borehole to 30 metres (or 2m into bedrock)	\$.....
Geotechnical Investigation	
Canadian Approach Fill- 1 Borehole to a depth of 10 metres	\$.....

US Stage 2 Work**Foundation Investigations**

Main Bridge & Approaches	
1 Borehole, 10 metres into bedrock	\$.....
1 Borehole, 20 metres into bedrock	\$.....
I-75 Interchange- 1 Borehole, 10 metres into bedrock	\$.....
US Plaza- 1 Boreholes to 30 metres (or 2m into bedrock)	\$.....
Geotechnical Investigation	
US Approach Fill- 1 Boreholes to a depth of 10 metres	\$.....
US Plaza- 1 Boreholes to a minimum depth of 1.5 metres	\$.....

* Unit Prices above are inclusive of all services and fees related to the inclusion of investigation findings into the Subsurface Conditions Baseline Report, including, but not limited to: sampling requirements, laboratory testing, equipment and personnel requirements, etc.

Principals

Name	\$ per hour
.....	\$.....
.....	\$

Solicitation No. - N° de l'invitation

T8032-120005/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pw1027

Client Ref. No. - N° de réf. du client

T8032-120005

File No. - N° du dossier

PWL-2-35030

CCC No./N° CCC - FMS No/ N° VME

.....	\$
.....	\$
.....	\$.....

Staff

Name / Position	\$ per hour
.....	\$
.....	\$
.....	\$
.....	\$.....

END OF PRICE PROPOSAL FORM

APPENDIX D

SECURITY REQUIREMENTS

CHECK LIST (SRCL)

(see attached)

APPENDIX E

PROJECT INFORMATION
(FIGURES & TABLES)

(see attached)



**FOR GOVERNMENT USE ONLY
POUR USAGE DU GOUVERNEMENT SEULEMENT**

Special Investigations Directorate File No.
N° de dossier de la Direction des enquêtes spéciales

Date Received (Y-A M D-J)
Date de réception

**CONSENT TO A CRIMINAL RECORD VERIFICATION
CONSENTEMENT À LA VÉRIFICATION DE L'EXISTENCE D'UN CASIER JUDICIAIRE**

This form must be completed and signed by each individual who is currently on the Board of Directors of the Bidder/Offeror/Supplier and provided with the Bid/Offer/Arrangement.

Le présent formulaire doit être rempli et signé par chaque membre du conseil d'administration du soumissionnaire/ de l'offrant/du fournisseur et fourni avec la soumission/l'offre/l'arrangement.

A

PRIVACY ACT STATEMENT

ÉNONCÉ CONCERNANT LA LOI SUR LA PROTECTION DES RENSEIGNEMENTS PERSONNELS

The personal information requested on this form is collected under the authority of subsection 750(3) of the *Criminal Code*, paragraph 42(1(c)) of the *Financial Administration Act*, and sections 7 and 21 of the *Department of Public Works and Government Services Act*. The information will be used for validating the criminal conviction certifications necessary for obtaining or maintaining a procurement instrument. It may be shared with other government departments, agencies, as well as provincial, territorial, and federal courts, within the limits of what is required to conduct the criminal conviction verification.

Les renseignements personnels demandés dans le présent formulaire sont recueillis en vertu du paragraphe 750(3) du *Code criminel*, du paragraphe 42(1(c)) de la *Loi sur la gestion des finances publiques* et des articles 7 et 21 de la *Loi sur le ministère des Travaux publics et des Services gouvernementaux*. Ces renseignements seront utilisés pour valider les attestations de condamnation au criminel nécessaires pour obtenir ou conserver un instrument d'approvisionnement. Les renseignements peuvent être diffusés à d'autres ministères et organismes fédéraux, ainsi qu'à des tribunaux provinciaux, territoriaux et fédéraux, dans les limites de ce qui est requis pour la vérification des condamnations au criminel.

A refusal to provide information will result in the bid/offer/arrangement being rejected or the contract terminated, the standing offer being set-aside or the supply arrangement being cancelled, as applicable.

À défaut de fournir les renseignements demandés, la soumission/l'offre/l'arrangement sera rejeté ou le contrat résilié, l'offre à commandes sera mise de côté ou l'arrangement en matière d'approvisionnement sera annulé, selon le cas.

The personal information is described in personal information bank PWGSC PPU 184 - Integrity Assessment Program. Individuals have a right of access to, correction of and protection of their information in accordance with the *Privacy Act*.

Les renseignements personnels sont décrits dans les fichiers de renseignement personnels n° TPSGC PPU 184 - Programme de l'évaluation de l'intégrité. Les personnes ont le droit d'accéder aux renseignements personnels qui les concernent, ainsi que de les faire corriger ou protéger, conformément à la *Loi sur la protection des renseignements personnels*.

B

**BIOGRAPHICAL INFORMATION - Must be completed by the individual
RENSEIGNEMENTS BIOGRAPHIQUES - À remplir par l'individu**

Family Name (Last Name) - Nom (de famille)

Family Name at Birth - Nom de famille à la naissance

Full Given Names (No initials) - Prénoms au complet (aucune initiale)

All other previously used names (i.e. maiden name, previously married names, legal name change, nicknames)
Tout autre nom utilisé (tel que nom de jeune fille, noms maritaux précédents, changement de nom légaux, sobriquets)

Gender - Sexe

☐ Male
Masculin

☐ Female
Féminin

Date of Birth - Date de naissance (Y-A M D-J)

**Current Residential Information
Information résidentielle actuelle**

Apartment No. - N° d'appartement

Street No. - N° civique

Street Name - Nom de la rue

City - Ville

Province

Postal Code - Code postal

C	CONSENT - Must be signed by the individual CONSENTEMENT - Doit être signé par l'individu
----------	---

I, the undersigned, confirm that I have read and understand the above *Privacy Act* statement and that I consent to the collection and use of my personal information as described therein.

Je, soussigné, confirme avoir pris connaissance de l'Énoncé concernant la *Loi sur la protection des renseignements personnels* et consens à la collecte et à l'utilisation des renseignements personnels fournis aux présentes.

Signature	
Print Name - Nom en lettres moulées	Date (Y-A M D-J)

D	ADMINISTRATIVE INFORMATION - Internal Government Use Only RENSEIGNEMENTS ADMINISTRATIFS - Pour usage interne du gouvernement seulement	
Requesting Branch/Sector/Directorate/Division - Direction générale/Secteur/Direction/Division requérante		
Solicitation/Proposed Contract No. - N° de la demande de soumission/N° du contrat		Date of Request (Y-A M D-J) Date de la demande
Requesting Contact Person - Personne-ressource requérante		Contact Person Tel. No. - N° de tél. de la personne-ressource

PROJECT INFORMATION

**(Reference to Geotechnical Data Reference to Geotechnical Data Report By
Golder Associates – April 2010, Canadian Inspection Plaza, Proposed
International Border Crossing of the Detroit River, Windsor Ontario)**

Figure 1: General Details (Canadian Plaza)

Figure 2: Selected Alternative (US Plaza and Interchange)

Figure 3: Canadian Approach Bridge (Suspension Design Bridge
Alternative)

Figure 4: Canadian Approach Bridge (Cable Stay Design Bridge
Alternative)

Figure 5: Canadian Approach Bridge (Proposed Boreholes' Plan)

Table 1: Borehole Requirements





Plaza P-a

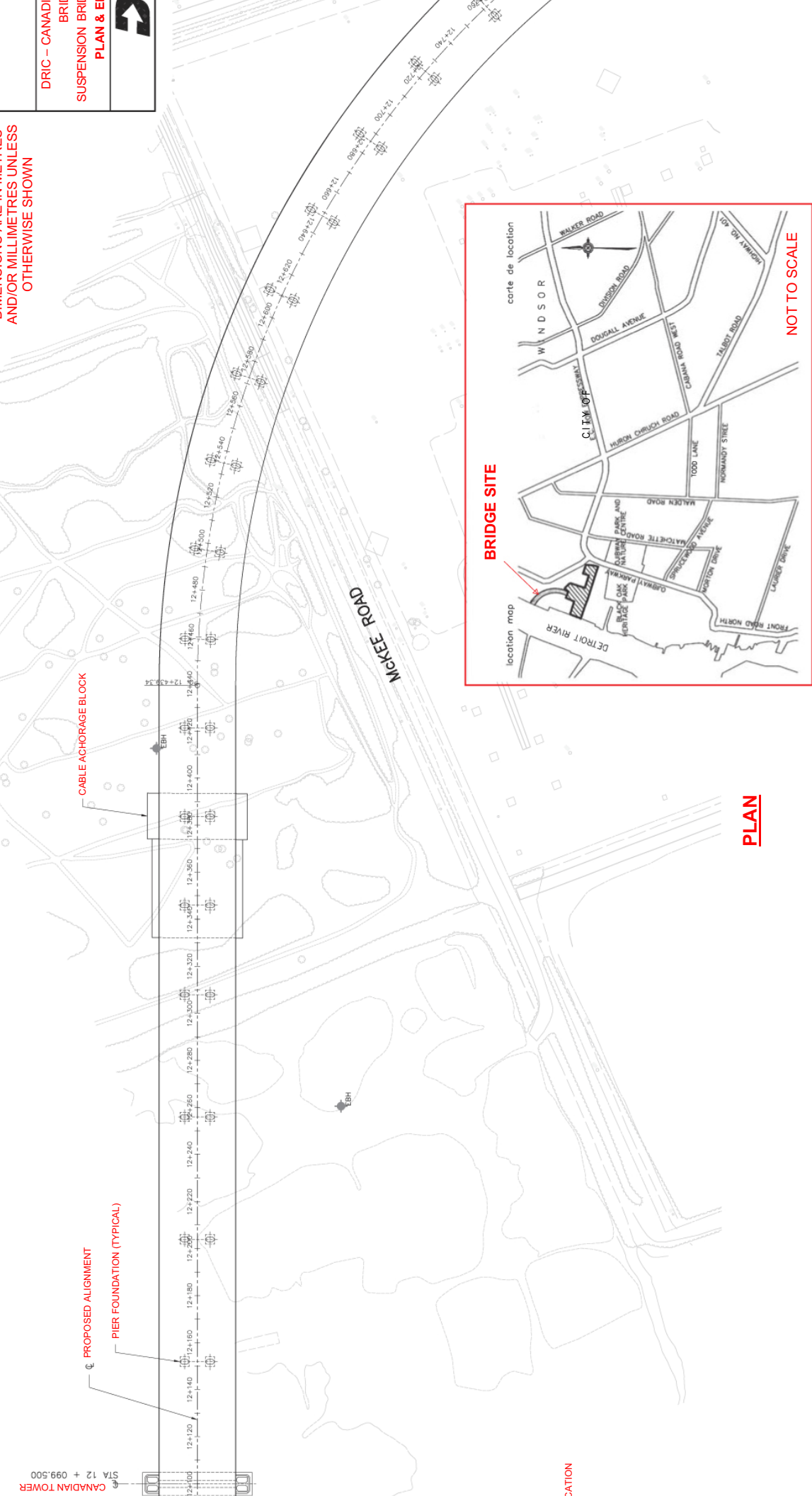
Fort Wayne

Crossing X-10B

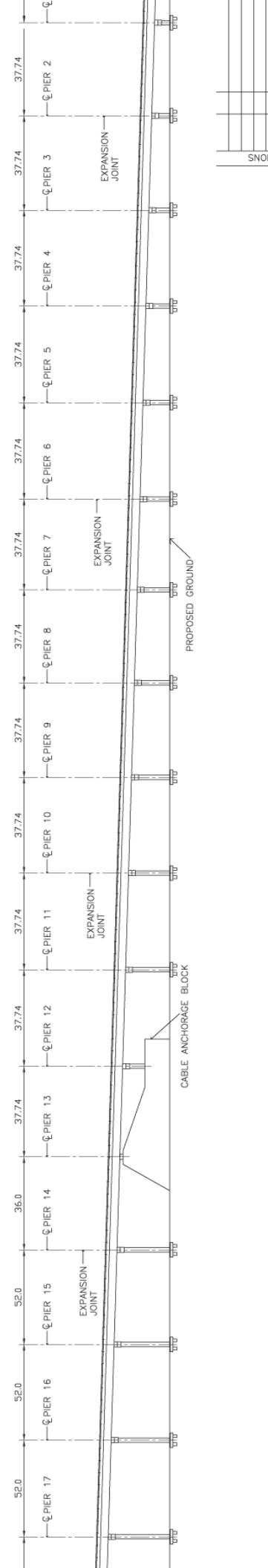
TO CANADA

Detroit-Windsor
Truck Ferry

WALL
ALL



734.6

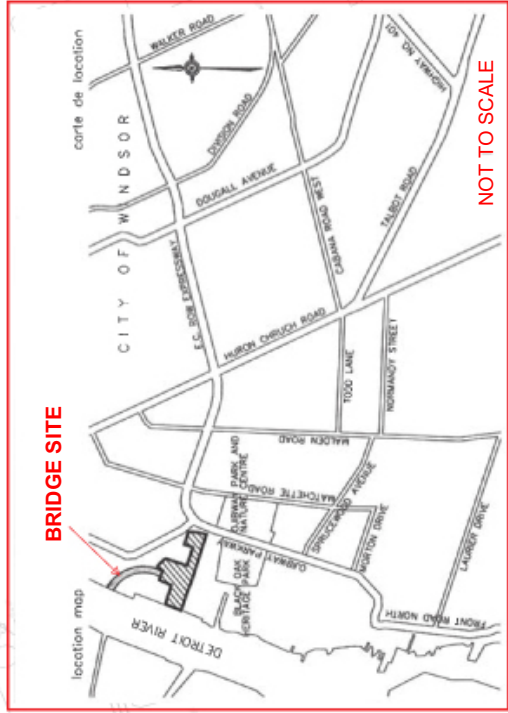
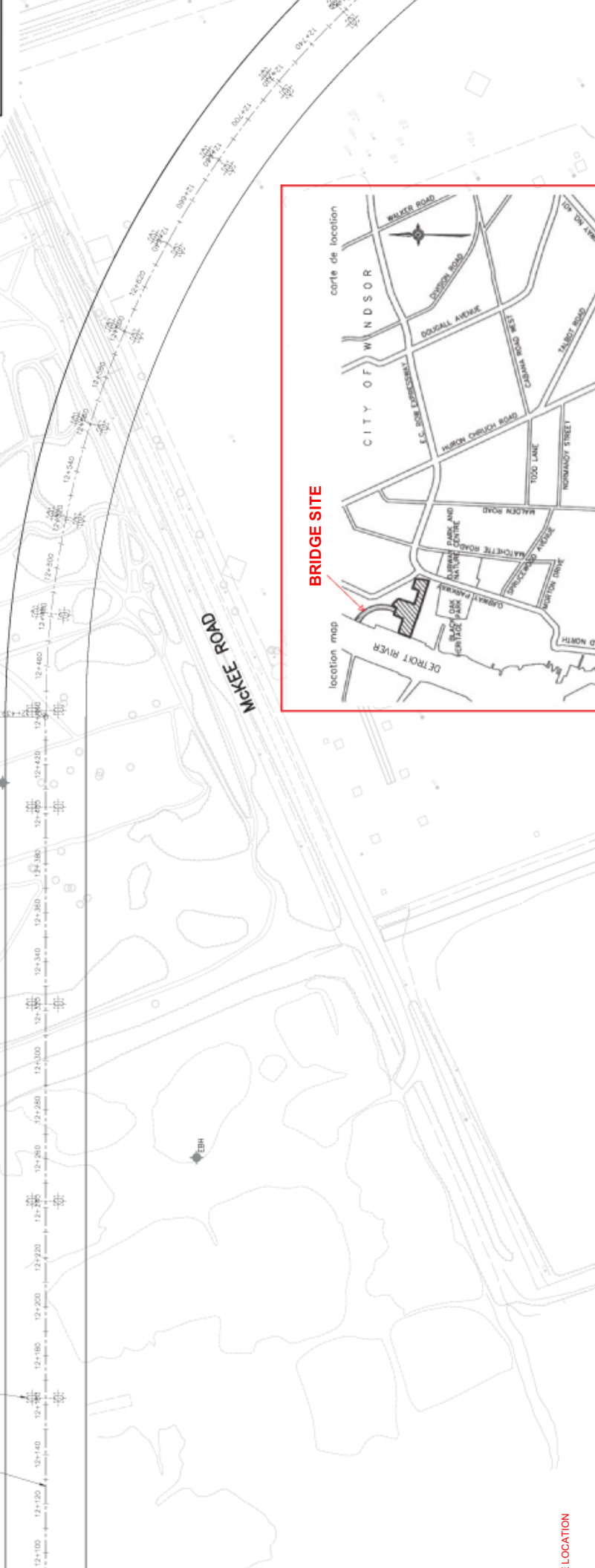


DIMENSIONS ARE IN METRES
AND/OR MILLIMETRES UNLESS
OTHERWISE SHOWN

DRIC - CANADIAN
BRIDGE
CABLE STAY
PLAN & ELEVATION



PROPOSED ALIGNMENT
PIER FOUNDATION (TYPICAL)



PLAN

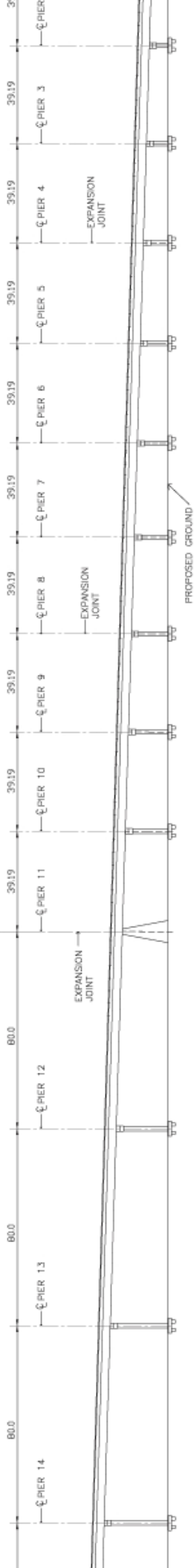
NOT TO SCALE

LOCATION

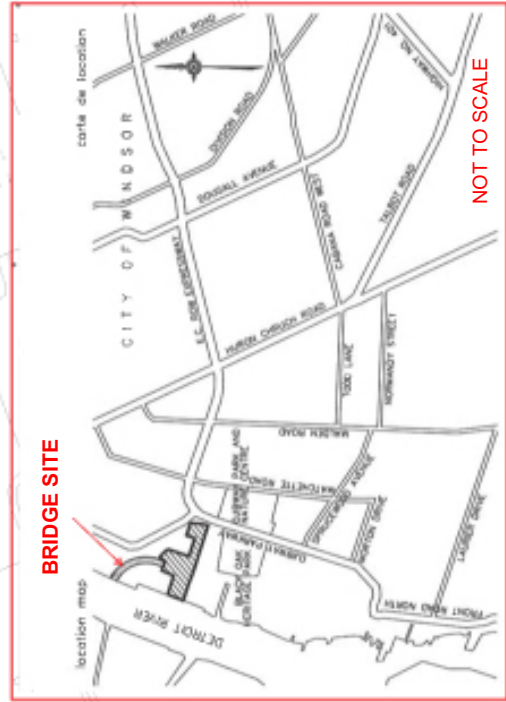
CANADIAN ANCHOR PIER

320.0

431.09



ELEVATION



NOT TO SCALE

PROXIMATE
MISSION BRIDGE
OWN IN PLAN.
REHOLE AT CANADIAN
POREHOLE AT CANADIAN

TABLE 1**Table of Borehole Requirements****US Side****CABLE STAY BRIDGE OPTION**

Location	No. Boreholes	Core Into Bedrock
US Abut.	1	10 m
US Pier 1	1	10 m
US Pier 2	1	10 m
US Pier 3	1	10 m
US Pier 4	1	10 m
US Pier 5	1	10 m
US Pier 6	1	10 m
US Pier 7	-	-
US Pier 8	-	-
US Pier 9	1	10 m
US Pier 10	1	10 m
US Pier 11	1	10 m
US Pier 12	1	10 m
US Pier 13	1	10 m
Anch. Pier 14	1	20 m
US Pier 15	1	10 m
US Pier 16	1	10 m
US Pier 17	1	10 m
US Pylon*	3	20 m
TOTAL	19	

SUSPENSION BRIDGE OPTION

Location	No. Boreholes	Core Into Bedrock
US Abut.	1	10 m
US Pier 1	1	10 m
US Pier 2	1	10 m
US Pier 3	1	10 m
US Pier 4	1	10 m
US Pier 5	1	10 m
US Pier 6	1	10 m
US Pier 7	1	10 m
US Pier 8	1	10 m
US Pier 9	1	10 m
US Pier 10	1	10 m
US Pier 11	1	10 m
US Pier 12	1	10 m
US Pier 13	1	10 m
US Pier 14	-	-
US Anchor Block*	6	20 m
US Pier 15	-	-
US Pier 16	1	10 m
US Pier 17	1	10 m
US Pier 18	1	10 m
US Pier 19	1	10 m
US Tower	-	20 m
TOTAL	24	

Notes:

1. Provide one angled borehole at each location marked with an “**”
2. Some locations, such as the US Tower and US Pylon are in close proximity to one another, so boreholes have only been shown for the one alternative.

Canadian Side

	No. Boreholes
Boreholes to be cored 10 m into bedrock	16
Boreholes to be cored 20 m into bedrock	14
TOTAL	30

Notes:

1. For approximate borehole locations, refer to the “Canadian Approaches – Proposed Boreholes – Plan”.
2. Provide one angled borehole at Canadian Pylon and at Canadian Anchor Block.