



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Travaux publics et Services gouvernementaux
Canada

Voir dans le document/
See herein

NA
Québec
NA

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Oue
800, rue de La Gauchetière Ouest
7e étage, suite 7300
Montréal
Québec
H5A 1L6

Title - Sujet Sécurisation du quai de chargement	
Solicitation No. - N° de l'invitation EE520-230126/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client R.104586.100	Date 2022-06-29
GETS Reference No. - N° de référence de SEAG PW-\$MTC-080-16464	
File No. - N° de dossier MTC-2-45012 (080)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2022-08-11 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Antoine, Englead	Buyer Id - Id de l'acheteur mtc080
Telephone No. - N° de téléphone (438) 340-5863 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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

MODIFICATION 001

EXTENSION:

Closing date for this project has been postponed until August 11, 2022 – 2 pm EDT.

REMOVE Covid-19 Vaccination requirement certification.

COVID-19 VACCINATION REQUIREMENT (A3080T)

This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.

SI14 COVID-19 VACCINATION REQUIREMENT CERTIFICATION (A3081T)

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

REMOVE

ANNEX C - COVID-19 VACCINATION REQUIREMENT CERTIFICATION

REPLACE THE BID AND ACCEPTANCE FORM BY VERSION BELOW:

BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

Securing the loading dock, Montreal

BA02 LEGAL NAME AND ADDRESS OF BIDDER

Legal Name: _____

Operating Names (if any): _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

E-mail Address: _____

Industrial Security Program Organization Number: _____
(when required)

BA03 THE OFFER

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of

\$ _____ excluding Applicable Taxes.
(amount in numbers)

In addition, the Bidder must complete ~~Annex D~~ the Tender form in ADDENDA 01.

BA04 BID VALIDITY PERIOD

The bid must not be withdrawn for a period of **sixty (60) days** following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Bidder's offer by Canada, a binding Contract will be formed between Canada and the Bidder. The documents forming the Contract will be the Contract Documents identified in "Contract Documents (CD)" section.

BA06 CONSTRUCTION TIME

The Contractor must perform and complete the Work within **8 weeks** from the date of notification of acceptance of the offer.

*The Contractor will have access to the site from October 24, 2022 for its mobilization.

Solicitation No. - N° de l'invitation
EE520-230126/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
MTC080

Client Ref. No. - N° de réf. du client
R.104586.100

File No. - N° du dossier
MTC-2-45012

CCC No./N° CCC - FMS No./N° VME

BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with SI05 of this bid solicitation.

BA08 SIGNATURE

Name and title of person authorized to sign on behalf of Bidder (Type or print)

Signature

Date

Solicitation No. - N° de l'invitation
EE520-230126/A

Amd. No. - N° de la modif.
001

Buyer ID - Id de l'acheteur
MTC080

Client Ref. No. - N° de réf. du client
R.104586.100

File No. - N° du dossier
MTC-2-45012

CCC No./N° CCC - FMS No./N° VME

REMOVE

ANNEX D – TENDER FORM

REPLACE BY:

(See TENDER FORM in ADDENDUM 01)

ADDENDUM 01 (See attached document below)

**** All other terms, clauses and conditions
remain unchanged ****



Public Works and Government Services Canada

NOTICE TO THE BIDDER ADDENDUM NO. 01

June 29th, 2020

**Object: ICAO Loading docks – OACI Quais de chargement
999, Robert-Bourassa Boulevard, Montreal**

PWGSC no : R.104586.100

Please note that changes have been made to the tender documents for the mentioned quoted bid in object.

You must take these changes into account when preparing your submission and proceed with the necessary corrections. This addendum is an integral part of the tender documents.

TENDER FORM / BORDEREAU – Revised document

- Tender Form / Bordereau (REV. 1 : Addendum 1 (2022-06-29)) 2 pages

SPECIFICATION – Revised sections

DIVISION 01

- Section 01 11 00 – Summary of work 5 pages
- Section 01 29 00 – Payment Procedures 12 pages
- Section 01 32 16.19– Construction Progress Schedule – Bar (Gantt) Chart 4 pages

SPECIFICATION – Removed sections

DIVISION 28

- Section 28 10 00 – Access Control 8 pages **(REMOVED)**

DIVISION 32

- Section 32 33 00 – Site Furnishings 3 pages **(REMOVED)**



Travaux publics et
Services gouvernementaux
Canada

Région du Québec

Public Works and
Government Services
Canada

Quebec Region

TPSGC no : R.104586.100

ADDENDUM NO. 1

(Continued)

PLANS - Removed

Landscape Architecture

- AP01 WORK DESCRIPTION PLAN
- AP02 DETAILS

1 sheet **(REMOVED)**

1 sheet **(REMOVED)**



PREPARED PAR :

Annie Cormier, ing. (OIQ. no. 135503)

Sections de devis / Specification section	Description	Qté / Qty	Unité / Unit	Prix unitaire / Unit price	Montant / Amount
Partie 1 / Part 1					
1	Division 01 / 01 Division Organisation de chantier / <i>Building site organization</i>	1	montant forfaitaire / lump-sum amount		
2	02 41 13 - 26 05 05 Enlèvement d'éléments d'électricité / Electrical elements removal	1	montant forfaitaire / lump-sum amount		
3	02 41 13 Démolition d'éléments du site / <i>Demolition of site elements</i>	1	montant forfaitaire / lump-sum amount		
4	01 35 13.43 - 31 23 33 Excavation et mise en pile temporaire des sols en vue d'une caractérisation des sols par le Laboratoire / <i>Excavation and temporary piling of soils, for soil characterization by the Laboratory</i>	60	Tonne métrique / metric ton		
5	01 35 13.43 - 31 23 33 Chargement, transport et disposition des sols non-contaminés (< A) / <i>Loading, transportation and disposal of uncontaminated soils (< A) (PROVISION)</i>	10	Tonne métrique / metric ton		
6	01 35 13.43 - 31 23 33 Chargement, transport et disposition des sols contaminés dans la plage de contamination A-B / <i>Loading, transportation and disposal of contaminated soils in the A-B contamination range (PROVISION)</i>	25	Tonne métrique / metric ton		
7	01 35 13.43 - 31 23 33 Chargement, transport et disposition des sols contaminés dans la plage de contamination B-C / <i>Loading, transportation and disposal of contaminated soils in the B-C contamination range (PROVISION)</i>	15	Tonne métrique / metric ton		
8	01 35 13.43 - 31 23 33 Chargement, transport et disposition des sols contaminés dans la plage de contamination >C / <i>Loading, transportation and disposal of contaminated soils in the >C contamination range (PROVISION)</i>	10	Tonne métrique / metric ton		
9	01 35 13.43 - 31 23 33 Ségrégation, entreposage temporaire, chargement, transport et disposition des matières résiduelles (métaux, béton, asphalte, brique ou autre matière résiduelle non dangereuse) / <i>Segregation, temporary storage, loading, transport and disposal of residual non-hazardous materials (PROVISION)</i>	5	Tonne métrique / metric ton		
10	31 23 33 - 32 14 13 Remblayage du massif de béton / <i>Backfilling of the concrete duct bank</i>	1	montant forfaitaire / lump-sum amount		
11	31 22 13 - 31 23 33 - 32 11 16.01 - 31 32 19.16 Fondations pour structure de chaussée pour revêtement en enrobé bitumineux / <i>Foundation for asphalt paving road structure</i>	1	montant forfaitaire / lump-sum amount		
12	32 12 16.01 Revêtement en enrobé bitumineux / <i>Asphalt paving</i>	1	montant forfaitaire / lump-sum amount		
 13	32 33 00 Guérite et clôtures de sécurité temporaires / <i>Temporary security gate house and security fencing</i>	1	montant forfaitaire / lump-sum amount		N/A
14	01 35 29.06 - 28 23 00 Dispositifs de sécurité- vidéosurveillance / <i>Security devices - video surveillance</i>	1	montant forfaitaire / lump-sum amount		
15	01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - Division 26 / 01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - 26 Division Éclairage du site / <i>Site lighting</i>	1	montant forfaitaire / lump-sum amount		
16	01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - Division 26 / 01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - 26 Division Travaux d'architecture / <i>Architectural work</i>	1	montant forfaitaire / lump-sum amount		
17	01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - Division 26 / 01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - 26 Division Raccordement de la guérite / <i>Power supply of security gate house</i>	1	montant forfaitaire / lump-sum amount		

Sections de devis / Specification section	Description	Qté / Qty	Unité / Unit	Prix unitaire / Unit price	Montant / Amount
18 :01 33 00 - 01 45 00 - 01 74 :00 - 01 78 00 - 01 91 13 - :Division 26 / 01 33 00 - 01 :45 00 - 01 74 00 - 01 78 00 :01 91 13 - 26 Division	Réseau de conduits de caméras / Camera duct network	1	montant forfaitaire / lump-sum amount		
19 :01 33 00 - 01 45 00 - 01 74 :00 - 01 78 00 - 01 91 13 - :Division 26 / 01 33 00 - 01 :45 00 - 01 74 00 - 01 78 00 :01 91 13 - 26 Division	Réseau de conduits de sécurité / Security duct network	1	montant forfaitaire / lump-sum amount		
20 :01 33 00 - 01 45 00 - 01 74 :00 - 01 78 00 - 01 91 13 - :Division 26 / 01 33 00 - 01 :45 00 - 01 74 00 - 01 78 00 :01 91 13 - 26 Division	Réseau de conduits de télécom / Telecom duct network	1	montant forfaitaire / lump-sum amount		
SOUS-TOTAL PARTIE 1 / PART 1 SUB-TOTAL					
Partie 2 * TRAVAUX OPTIONNELS / Part 2 * OPTIONAL WORK					
 21	01 33 00 - 01 45 00 - 01 74 01 74 00 - 01 78 00 - 01 91 13 - Division 26 - / 01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - 26 Division	1	montant forfaitaire / lump- sum amount		N/A
 22	Raccordement temporaire de la guérite de sécurité / Temporary power supply of security gate house	1	montant forfaitaire / lump- sum amount		N/A
 23	01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - Division 26 - / 01 33 00 - 01 45 00 - 01 74 00 - 01 78 00 - 01 91 13 - 26 Division	1	montant forfaitaire / lump- sum amount		N/A
 24	01 35 29,06 - 28 10 00	3	mois / month		N/A
 25	01 35 29,06 - 28 10 00	3	mois / month		N/A
SOUS-TOTAL PARTIE 2 / PART 2 SUB-TOTAL					N/A
 1	* Le montant total de la partie 1 et 2 du bordereau de soumission est utilisé pour des fins d'évaluation de la soumission. Le Ministère s'engage à payer le montant de la partie 2 seulement, sous réserve de l'approbation des travaux et autres conditions de devis / * The total amount of Part 1 and 2 of tender form is used for the purpose of evaluating the bid. The Ministry agrees to pay the amount of Part 2 only, subject to approval of the work and other conditions of the quotation.				N/A
(Total des prix calculés (TPC)- Partie 1 et partie 2 - Excluant s les taxes applicables) SOUS-TOTAL PARTIE 1 / PART 1 SUB-TOTAL					
SOUS-TOTAL PARTIE 2 * / PART 2 * SUB-TOTAL					N/A
GRAND TOTAL					

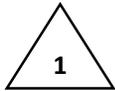
Part 1 General

1.1 RELATED REQUIREMENTS

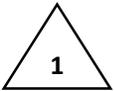
.1 Not used.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

± The work covered by this contract is to secure the Viger entrance and loading docks at the ICAO building located at 999 Robert-Bourassa Boulevard. The contract includes the installation of a new outdoor security lighting system, new security cameras ~~and the installation of a security gatehouse and temporary security measures for rent.~~



1. The work includes but is not limited to the provision and implementation of:
2. Demolition and dismantling of an asphalt pavement surface;
3. Excavation, loading and disposal of contaminated and/or uncontaminated soil;
4. The construction of a concrete mass for electrical conduits;
5. Rehabilitation of the trench, including the installation of an asphalt pavement;
6. Excavation, loading and disposal of contaminated and/or uncontaminated soil;



- ~~7. Security gatehouse and temporary security fences;~~
- ~~8. Temporary security gates;~~
- ~~9. Temporary security barrier in rental;~~
10. Security cameras attached to the building;
11. Lighting and electrical work;
 1. Networks of ducts and conductors for the power supply of lighting fixtures, the gatehouse and the motorized barrier including draft boxes, hardware and accessories;
 2. Empty duct networks with draft wires for telecommunications, security and cameras, including printing boxes, hardware and accessories;
 3. Electrical distribution including fuses, a transformer, safety switches with and without fuses, hardware and accessories;
 4. Drilling, including sealing and fireproofing of duct and cable openings and passages;
 5. The design and architectural work for the fire compartmentalization of the passage of ducts in the building, including the resurfacing of surfaces;
 6. A concrete and reinforced duct;
 7. The device for protecting the descent of the ducts to the wall, outside;
 8. Electrical checks and tests;
 9. Exploration excavations in walls, ceilings and floors;
 10. Identification of rebar in concrete walls;
 11. Partial demolition

1.3 TYPE OF CONTRACT

1. The work must be the subject of a fixed-price contract.

1.4 SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures
- .2 Submit Project construction progress schedule in accordance with Section 01 32 16.19 - Construction Progress Schedule - Bar (GANNT) Chart.
 1. The Contractor must submit to the Departmental representative, within seven days of awarding the contract, a schedule indicating the various stages of progress of the work and the expected completion date.
 2. According to the work schedule and in a form acceptable to the Departmental representative, provide within ten days of the award of the contract the dates of submission of the shop drawings, lists of materials and samples.
 3. The contractor must submit, on a weekly basis, an update of its schedule showing the degree of progress, the resources used and the performance obtained.
 4. Management and disposal of construction/demolition waste.
 1. Submit the waste reduction plan.
- .3 Submit site-specific and Work Plan Health and Safety Planning accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .4 Maintain at job site, one copy each document as follows:
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Reviewed Shop Drawings.
 - .5 List of Outstanding Shop Drawings.
 - .6 Change Orders.
 - .7 Other Modifications to Contract.
 - .8 Field Test Reports.
 - .9 Copy of Approved Work Schedule.
 - .10 Health and Safety Plan and Other Safety Related Documents.
 - .11 Other documents as specified.

1.5 ORDER OF EXECUTION OF THE WORK

1. Carry out the work in stages, so that the Client can use the premises during the work.
2. Carry out the work in stages in such a way as to allow for the continued use of the premises by the public. Maintain public access to the premises as long as the progress of the work prevents an alternative from being offered.
3. Protect the safety of workers and the public.

1.6 WORK BY OTHERS

- .1 Not used.

1.7 FUTURE WORK

.1 Not used.

1.8 PRE-ORDERED PRODUCTS OR PRE-BID WORK

.1 Not used.

1.9 PRE-PURCHASED EQUIPMENT

.1 Not used.

1. ELEMENTS PROVIDED BY THE CLIENT

.2 Not used.

1.10 PARTIAL OWNER OCCUPANCY

.1 Not used.

1.11 CONTRACTOR USE OF PREMISES

.1 Limit use of premises for Work.

.2 Co-ordinate use of premises under direction of Departmental Representative.

.3 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.

.4 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.

.5 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as directed by the Departmental Representative.

.6 At completion of operations condition of existing work: equal to or better than that which existed before new work started.

.7 Maintain access for firefighting purposes; also provide for the means of fighting the fire.

1.12 OWNER OCCUPANCY

1. The contractor must vacate the premises between 27 September and 21 October 2022 for the duration of the ICAO Assembly.

2. Owner will occupy premises during entire construction period for execution of normal operations.

3. Co-operate with Owner in scheduling operations to minimize conflict and to facilitate Owner usage

1.13 WORK SEQUENCE

- .1 The work sequence must comply with the requirements of section 01 32 16.19-Construction Progress Schedule – Bar (Gantt Chart)
- .2 The Contractor must submit to the Departmental Representative, within seven days after contract award, a work sequence schedule showing the various stages of the work and the expected completion date.
- .3 According to the work sequence schedule and in a form acceptable to the Departmental Representative, provide within ten days after the contract award the dates of the submission of the shop drawings, the lists of materials and samples.
- .4 Each week, the contractor must update the work sequence schedule showing the level of progress, the resources used, and the performance achieved.

1.14 CONTAMINATED SOILS

- .1 Within the entire work area, the contractor is likely to encounter contaminated soils.
- .2 The contractor will have to manage contaminated soils in compliance with the requirements of section 01 35 13.43-Special procedures contaminated Sites of the current specification document.
- .3 The Contractor shall provide disposal slips at the end of each working day attesting that the contaminated soils have been sent to a MDDELCC-authorized facility for treatment or disposal.

1.15 WORKING HOURS

1. The Contractor must respect the working hours authorized by the applicable municipal regulations, namely Monday to Friday from 7am to 7pm and Saturdays from 7am to 5pm.

1.16 TRANSPORT ET CIRCULATION

- .1 In order to avoid inconvenience to residents and the public, the transport of materials and the flow of heavy vehicles must be carried out within the hours, areas and streets allowed by the Ville Marie Borough of the City of Montreal.
- .2 The protection and maintenance of public roads traffic must be carried out as described in section 01 55 26 – Traffic regulation.

1.17 WORK IMPLEMENTATION

1. The contractor must comply to the following procedure for the implementation of the works to be constructed:
 - .1 Implement the alignment, grades and points of reference for projected construction works in compliance with the geometry and the elevations indicated in the contract drawings.
 - .2 Conduct a joint inspection with the Departmental Representative to optimize the grading of the finished terrain so as to adapt it to existing conditions, while taking into account existing works.

- .3 In the event of non-conformity of work implemented by the contractor, any resumption of works shall be redone at the contractor's expense.
- .4 Georeferenced Autocad files will be made available to the contractor to prepare the implementation of construction works.

1.18 ALTERATIONS, REPAIRS TO EXISTING BUILDING

- .1 Execute work with least possible interference or disturbance to the occupants and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.

1.19 EXISTING SERVICES

- .1 Notify, Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours notice for necessary interruption of mechanical or electrical service throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by governing authorities with minimum disturbance to pedestrian and vehicular traffic.
- .3 Establish location and extent of service lines in area of work before starting Work. Notify Departmental Representative of findings.
- .4 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties.
- .5 Provide temporary services to maintain critical building and tenant systems.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION

Part 1 General

1.1 REFERENCE STANDARDS

- .1 Not Used.

1.2 DESCRIPTION OF THE ITEMS ON THE SLIP

.1 Building site organization:

This item will be paid on a lump sum basis according to the tender form for all costs incurred that are required to facilitate the execution of the work and the costs not forming part of other payable items on the tender form according to the requirements of the specification. The lump sum on the tender form must include the requirements of the sections of Division 01 and those that are not imputed directly or in the manner related to any of the different items on the tender form, but not limited to:

- .1 Site organization;
- .2 The coordination of site activities and building operations;
- .3 The signaling and setting up of any device and equipment required to ensure the safety of users such as traffic signs, signaling, parking reservations, etc.;
- .4 Permanent protection of existing equipment;
- .5 The contractor's obligations related to occupational health and safety;
- .6 The establishment of sanitary facilities for workers, where appropriate;
- .7 The maintenance of all entry points to the building for occupants and emergency vehicles;
- .8 The general cleaning of the construction site and all areas contaminated by the work;
- .9 Construction site fences, access points and truck waiting areas, the storage areas for construction materials, electricity, water and site lighting if necessary;
- .10 The contractor's required coordination with Departmental Representatives, the city of Montreal and other possible stakeholders including the obtention of all permits required for the completion of the work;
- .11 The maintenance of traffic flow and impact management for the full duration of the project including coordination with the city of Montreal and all requirements for the set-up and maintenance of detour signage and the management of vehicular, pedestrian and cyclist traffic and site access;
 - .1 The supply, installation, maintenance, upkeep, relocation and dismantling of all vehicle and bicycle traffic management equipment (visual cues, work panels, arrows of light signals, barriers, etc.) for all work contracted in accordance with the laws and standards in place and the requirements of all contract documents;
 - .2 The supply, installation, maintenance, relocation and dismantling of all additional traffic signs and devices necessary for the project according to the vehicular and cycling traffic maintenance plans and signage approved by the Departmental Representative;
 - .3 The management of any existing traffic signs that conflict with temporary vehicular and cycling traffic signs (masking, unmasking of panels);
 - .4 Expenses related to the existing traffic coordinator, the construction site manager, the signal crews and the signage maintenance teams;

- .5 The associated costs for special meetings related to traffic management;
- .6 The associated costs for any coordination with project adjacent construction sites that may hinder traffic flow.
- .7 All incidental expenses;
- .12 Environmental protection measures and the methods taken by Contractor to meet the laws, standards and requirements of environmental impact mitigation measures.

.2 Electrical element removal:

- .1 Electrical element removal will be paid on a lump sum basis according to the tender form. The Contractor shall provide all material, tools, and labour needed to complete the work. The price on the tender form includes, but is not limited to:
 - 1. Removal of light fixtures and projectors, conduits, wiring and boxes;
 - 2. Rehabilitation of surfaces and sealing of openings;
 - 3. Temporary measures to ensure the continuation of services during the work;
 - 4. Update of electrical distribution panel schedules;
 - 5. Materials disposal

.3 Demolition of site elements

- .1 The demolition of site elements will be paid on a lump sum basis according to the tender form. The Contractor will provide all material, tools, and labour needed to complete the work. The price submitted must include the excavation or dismantling of materials and accessories, loading, transporting, disposing and, if necessary, filling for the installation of new structures. The price on the tender form includes, but is not limited to:
 - 1. Sawing of bituminous asphalt,
 - 2. Removal, loading and off-site disposal of bituminous asphalt coatings.
 - 3. Disposal of planing residues following the final work of paving joints (including 2nd sawing and removal of the additional asphalt strip).

.4 Excavation and temporary piling of soils, for soil characterization by the Laboratory

- 1. The work includes the costs of excavation and temporary stacking on the site on waterproof canvases (with waterproof canvases covering the piles), for the time required for the Laboratory to sample the stacked soils. These samples will be analyzed and the Contractor must wait for the results before proceeding with the loading, transport and disposal of the soil to treatment or disposal sites authorized by the MELCC. The unit rate for this excavation and temporary stacking is in \$/metric tonne. This item is paid on the basis of the soil disposed of on presentation of supporting documents (transport voucher/weighing) in metric tons. The Contractor must also refer to other provisional items for the loading, transport and disposal of uncontaminated soil and contaminated soil.
- 2. The contractor must carry out his excavations in accordance with the theoretical excavation lines indicated in the CNESST plans, standards and electrical plans for the concrete massif. Any excavation beyond the theoretical trench lines will be at the expense of the Contractor.
- 3. In case of presence of waste and residual material in the soil, the Entrepreneur must sort it and must refer to the provisional item provided for this purpose.

4. The work of this item consists of, but is not limited to, the provision of equipment and labour necessary to:
 1. Trench excavation, loading, transport to the site for temporary stacking.
 2. The installation of temporary piles, including the 6 mil polythene canvases above and below the piles.
 3. Surveying work areas, boundaries and excavation bottoms and backfilled areas.
 4. Collaboration with the Laboratory (including the provision of labour and machinery) for sampling.
 5. The time required to wait for soil test results.
 6. The supply of the weighing of each of the listed ranges and the calibration certificate of the scales.
 7. Cleaning the temporary battery storage site.
 8. All other work necessary for the full implementation of these works.

.5 Loading, transportation and disposal of uncontaminated soils (< A) (PROVISION)

1. The work includes the costs related to the loading for off-site transport of characterized soils, the transport and disposal of the uncontaminated (< A). The unit rate is in \$/metric tonne. This item is paid on the basis of the soils arranged on presentation of supporting documents (transport voucher/weighing) in metric tons.
2. This item is a provision and only the quantities actually disposed of (on proof of weighings per metric ton) will be payable to the Contractor.
3. The work consists, without limitation, in providing the equipment and labor necessary for the realization, according to the rules of the art, of the environmental management and the disposal of the surplus excavation in accordance with the directives of the Policy of soil protection and rehabilitation of contaminated land of the MELCC and the municipal by-laws in force including:
 1. The loading, transportation and disposal of surplus excavation in a site that complies with the guidelines of the MELCC's Soil Protection and Contaminated Land Rehabilitation Policy.
 2. Dispose of contaminated excavated soils at authorized sites or transport them for reuse as directed by the Departmental Representative;
 3. The provision of weighing and calibration certificate of the scales;
 4. Cleaning the truck box;
 5. Permits, authorizations in accordance with the requirements of the MELCC, including all activities related to the traceability of excavated contaminated soil (according to the latest regulations in force of the MELCC);
 6. All other work necessary for the full implementation of these works.

.6 Loading, transportation and disposal of contaminated soils in the A-B contamination range (PROVISION)

1. The work includes costs related to loading for off-site transport, transport and disposal of A-B soils at treatment or disposal sites authorized by the MELCC. The unit rate is in \$/metric tonne. This item is paid on the basis of the soil disposed of on presentation of supporting documents (transport voucher/weighing) in metric tons.
2. This item is a provision and only the quantities actually disposed of (on proof of weighings per metric ton) will be payable to the Contractor.

3. The work consists, without limitation, in providing the equipment and labor necessary for the realization, according to the rules of the art, of the environmental management and the disposal of the surplus excavation in accordance with the directives of the Policy of soil protection and rehabilitation of contaminated land of the MELCC and the municipal by-laws in force including:
 1. The loading, transportation and disposal of surplus excavation in a site that complies with the guidelines of the MELCC's Soil Protection and Contaminated Land Rehabilitation Policy.
 2. Dispose of contaminated excavated soils at authorized sites or transport them for reuse as directed by the Departmental Representative;
 3. The supply of weighing according to the contamination range and the calibration certificate of the scales;
 4. Cleaning the truck box;
 5. Permits, authorizations in accordance with the requirements of the MELCC, including all activities related to the traceability of excavated contaminated soil (according to the latest regulations in force of the MELCC);
 6. All other work necessary for the full implementation of these works.

.7 Loading, transportation and disposal of contaminated soils in the B-C contamination range (PROVISION)

1. The work includes the costs of loading for off-site transport, transport and disposal of B-C soils at treatment or disposal sites authorized by the MELCC. The unit rate is in \$/metric tonne. This item is paid on the basis of the soil disposed of on presentation of supporting documents (transport voucher/weighing) in metric tons.
2. This item is a provision and only the quantities actually disposed of (on proof of weighings per metric ton) will be payable to the Contractor.
3. The work consists, without limitation, in providing the equipment and labor necessary for the realization, according to the rules of the art, of the environmental management and the disposal of the surplus excavation in accordance with the directives of the Policy of soil protection and rehabilitation of contaminated land of the MELCC and the municipal by-laws in force including:
 1. The loading, transportation and disposal of surplus excavation in a site that complies with the guidelines of the MELCC's Soil Protection and Contaminated Land Rehabilitation Policy.
 2. Dispose of contaminated excavated soils at authorized sites or transport them for reuse as directed by the Departmental Representative;
 3. The supply of weighing according to the contamination range and the calibration certificate of the scales;
 4. Cleaning the truck box;
 5. Permits, authorizations in accordance with the requirements of the MELCC, including all activities related to the traceability of excavated contaminated soil (according to the latest regulations in force of the MELCC);
 6. All other work necessary for the full implementation of these works.

.8 Loading, transportation and disposal of contaminated soils in the >C contamination range (PROVISION)

1. The work includes the costs of loading for off-site transport, transport and disposal of soils > C to treatment or disposal sites authorized by the MELCC. The unit rate is in \$/metric tonne. This item is paid on the basis of the soil disposed of on presentation of supporting documents (transport voucher/weighing) in metric tons.
2. This item is a provision and only the quantities actually disposed of (on proof of weighings per metric ton) will be payable to the Contractor.
3. The work consists, without limitation, in providing the equipment and labor necessary for the realization, according to the rules of the art, of the environmental management and the disposal of the surplus excavation in accordance with the directives of the Policy of soil protection and rehabilitation of contaminated land of the MELCC and the municipal by-laws in force including:
 1. The loading, transportation and disposal of surplus excavation in a site that complies with the guidelines of the MELCC's Soil Protection and Contaminated Land Rehabilitation Policy.
 2. Dispose of contaminated excavated soils at authorized sites or transport them for reuse as directed by the Departmental Representative;
 3. The supply of weighing according to the contamination range and the calibration certificate of the scales;
 4. Cleaning the truck box;
 5. Permits, authorizations in accordance with the requirements of the MELCC, including all activities related to the traceability of excavated contaminated soil (according to the latest regulations in force of the MELCC);
 6. All other work necessary for the full implementation of these works.

.9 Segregation, temporary storage, loading, transportation and disposal of residual materials (metals, concrete, brick or other non-hazardous residual material) (PROVISION)

1. The work includes costs related to residual materials that could end up in excavated soils (metals, concrete, asphalt or brick debris or other non-recoverable residual materials), segregation of residual materials according to the type of residual materials, temporary pile-up, loading, transportation and disposal of residual materials in a site authorized by the MELCC. The unit rate is in \$/metric ton. This item will be paid on the basis of recycled or disposed of residual materials on presentation of supporting documents (transport voucher/weighing) in metric tons.
2. This item is a provision and only the quantities actually disposed of (on proof of weighing per metric ton) will be payable to the Contractor.

.10 Backfilling of the concrete duct bank

- .1 The backfilling work will be paid per metric ton as indicated on the bid form. The Contractor shall supervise the work and provide all labor, equipment, tools, materials, compaction, transportation to perform all the work described and specified in the plans and specifications including, but not limited to: backfilling with approved granular materials and compaction to fill the facilities of all types of backfilling included in the scope of this project. This item is paid in \$ / metric ton on presentation of vouchers (transport voucher / weighing).

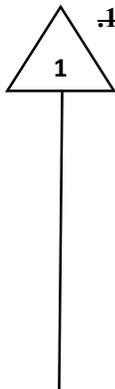
.11 Foundation for asphalt paving road structure

1. Foundation work for pavement structure for asphalt pavement cladding will be paid on a lump sum basis according to the tender form. The Contractor must provide all the materials, tools, materials and labor necessary for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Preparation and shaping of asphalt pavement infrastructure;
 2. Installation of the geotextile as specified in this quote.
 3. Supply and installation of backfill without removal, when required.
 4. Supply and installation of sub-foundations in modified MG-112 granular materials.
 5. Supply and installation of upper foundation in crushed stone type MG-20.
 6. Off-site disposal and transport of unused materials.
 7. Excavation work is remunerated separately according to the items provided for this purpose on the slip.

.12 Asphalt paving

1. Asphalt paving work will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. The leveling and final compaction of the granular foundation before the work for the coating to be put in place;
 2. The realization of the second saw line and the planning required for the connection key as described in detail in the plan;
 3. The supply and installation of the hanging binder and the bituminous strip to be laid along all cold joints;
 4. The supply, installation and compaction of bituminous asphalt in two layers, as specified in the plans;
 5. Off-site disposal and transport of unused materials.

.13 Temporary security gate house and security fencing



1. Temporary security gate house and security fencing work will be paid on a lump sum basis according to the tender form. contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Temporary security booth for rental, 3 months August 22 to October 21, 2022;
 1. Temporary security fence for rental, 3 months August 22 to October 21, 2022;
 2. Workshop drawings;
 3. Off site disposal and transport of unused materials;
 4. Dismantling and recovery.

.14 Security devices - video surveillance

1. The work of the security-video surveillance devices will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. CCTV cameras;
 2. Network expansion modules for paths beyond 90m Ethernet cable length;
 3. Connection to the customer's existing network switch and network digital video recorder;
 4. Conductors, cables, ducts, accessories, hardware, power circuits, circuit breakers, and pull boxes;
 5. Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
 6. Drilling and sealing of openings;
 7. Profiles, supports and hardware;
 8. Carry out building surveys and determine the optimal path for the passage of ducts and conductors as well as for the installation of equipment.
 9. Carry out commissioning;
 10. Ducts, drainage fittings;
 11. Configuration and programming;
 12. Inspections and assistance by the manufacturer;
 13. Testing and adjustments;
 14. Transport;
 15. Installation;
 16. Anchors;
 17. Off-site disposal and transport of unused materials.
 18. Training, commissioning and operating procedure;
 19. Warranty;
 20. Workshop drawings.
 21. Dismantling and recovery of temporary equipment

.15 Site lighting

1. Site lighting will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Lighting fixtures, cables, connectors, draft boxes;
 2. Supports, fasteners, anchors, etc.;
 3. Conductors, cables, ducts, accessories, hardware, power supply circuits, circuit breakers, switches and modifications to existing electrical distribution;
 4. Removal, alteration and reinstallation of bricks and exterior cladding of the building and resurfacing of surfaces;
 5. Profiles, supports and hardware;

6. Lighting control including all equipment, power supply and control wiring, ducts, factory duct and accessory painting, hardware and accessories;
7. Drilling, sealing and fireproofing of openings and auscultation of the structure;
8. Workshop drawings.
9. Training, commissioning, testing and operating procedures.

.16 Architectural work

1. Architectural work will be paid on a lump sum basis according to the tender form. The contractor must provide all the equipment, tools, materials, architectural expertise and labor necessary for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Supports, fasteners, anchors and holes;
 2. Materials, equipment, accessories, hardware, and modifications to the building;
 3. The commitment of an architect for the preparation of sealing details, fireproofing, fireproof subdivision of duct passages and the rehabilitation of surfaces and other related architectural work and including architectural plans and specifications as well as the evaluation of the fire resistance of existing elements;
 4. Profiles, framing and hardware;
 5. The supply and installation of all steel support elements;
 6. The supply of workshop drawings;
 7. Auscultation of the structure;
 8. Workshop drawings.

.17 Power supply of security gate house

1. The power supply of security gatehouse will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Supports, fasteners, anchors and holes;
 2. Conductors, cables, ducts, accessories, hardware, power supply circuits, circuit breakers, transformer, switches, draft boxes and modifications to existing electrical distribution;
 3. Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
 4. Profiles, framing, supports and hardware;
 5. Drilling and sealing of openings;
 6. Carry out building surveys and determine the optimal path for the passage of ducts and conductors;
 7. Architectural works;
 8. The supply and installation of all steel structural support elements
 9. The provision of workshop drawings as specified in the quotation;
 10. Drilling, sealing and fireproofing of openings and auscultation of the structure;
 11. Training, commissioning and operating procedures.

.18 Camera duct network

1. The safety duct network will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Supports, fasteners, anchors, holes;
 2. Ducts, accessories, hardware, boxes, hardware and accessories;
 3. Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
 4. Profiles, framing, supports and hardware;
 5. Drilling and sealing of openings;
 6. Carry out building surveys and determine the optimal path for the passage of ducts;
 7. Architectural works;
 8. The supply and installation of all media elements;
 9. The provision of workshop drawings;
 10. Drilling, sealing and fireproofing of openings and auscultation of the structure;
 11. Training, commissioning and operating procedures.

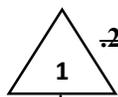
.19 Security duct network

1. The safety duct network will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Supports, fasteners, anchors, holes;
 2. Ducts, accessories, hardware, boxes, hardware and accessories;
 3. Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
 4. Profiles, framing, supports and hardware;
 5. Drilling and sealing of openings;
 6. Carry out building surveys and determine the optimal path for the passage of ducts;
 7. Architectural works;
 8. The supply and installation of all media elements;
 9. The provision of workshop drawings;
 10. Drilling, sealing and fireproofing of openings and auscultation of the structure;
 11. Training, commissioning and operating procedures.

.20 Telecom duct network

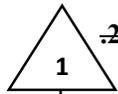
2. The telecom duck network will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. Supports, fasteners, anchors, holes;
 2. Ducts, accessories, hardware, boxes, hardware and accessories;

3. Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
4. Profiles, framing, supports and hardware;
5. Drilling and sealing of openings;
6. Carry out building surveys and determine the optimal path for the passage of ducts;
7. Architectural works;
8. The supply and installation of all media elements;
9. The provision of workshop drawings;
10. Drilling, sealing and fireproofing of openings and auscultation of the structure;
11. Training, commissioning and operating procedures.



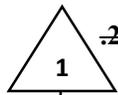
.21 — Temporary security gates

1. — Temporary security gates work will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. — Temporary security barriers for rent 3 months;
 2. — Off site disposal and transport of unused materials.



.22 — Temporary power supply of security gate house

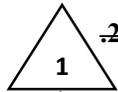
1. — The temporary power supply of security gate house will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. — Supports, fasteners, anchors and holes;
 2. — Conductors, cables, ducts, accessories, hardware, power supply circuit, circuit breakers, switches, draft boxes and modifications to existing electrical distribution;
 3. — Removal and reinstallation of ceiling tiles, opening and closing of gypsum ceilings and resurfacing;
 4. — Profiles, framing, supports and hardware;
 5. — Drilling and sealing of openings Carry out surveys of the building and determine the location of the connection and the optimal path for the passage of ducts and conductors;
 6. — Architectural works;
 7. — The provision of workshop drawings;
 8. — Drilling, sealing and fireproofing of openings and auscultation of the structure;



.23 — Temporary power supply of type 01 temporary safety barrier

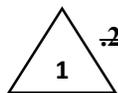
1. — The power supply of type 01 temporary safety barrier will be paid on a lump sum basis according to the tender form. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. — Supports, fasteners, anchors, holes;

2. — Conductors, cables, ducts, accessories, hardware, power supply circuits, circuit breakers, draft boxes and modifications to existing electrical distribution;
3. — Profiles, framing, supports and hardware;
4. — The provision of workshop drawings;—
5. — Training, commissioning and operating procedures.



.24 — Type 01 temporary security barrier

1. — The work related to the installation of type 01 temporary safety features and devices as well as their monthly rentals will be paid in the monthly amount such as the bid slip. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. — The motorized portable barrier with control unit (Control box (buttons);—
 2. — Conductors, cables, accessories and hardware;
 3. — Carry out commissioning;
 4. — Configuration and programming;
 5. — Inspections and assistance by the manufacturer;
 6. — Testing and adjustments;
 7. — Transport;
 8. — Installation;
 9. — Anchors;
 10. — Off site disposal and transport of unused materials.
 11. — Training, commissioning and operating procedure;
 12. — Warranty;
 13. — Workshop drawings;
 14. — Dismantling and recovery of temporary equipment.



.25 — Type 02 temporary security barrier

1. — The work related to the installation of type 02 temporary safety features and devices as well as their monthly rentals will be paid in the monthly amount such as the bid slip. The contractor must provide all the necessary materials, tools, materials and labour for the complete execution of the work. The price on the slip includes, but is not limited to:
 1. — Manual removable obstacles with certified resistance and accessories allowing their manipulation;
 2. — Installation;
 3. — Training, commissioning and operating procedure;
 4. — Inspections and assistance by the authorized representative of the manufacturer;
 5. — Testing and adjustments;
 6. — Transport;
 7. — Dismantling and recovery of temporary equipment

1.3 APPLICATIONS FOR PROGRESS PAYMENT

- .1 Make applications for payment on account as monthly as Work progresses.

- .2 Date applications for payment last day of agreed monthly payment period and ensure amount claimed is for value, proportionate to amount of Contract, of Work performed and Products delivered to Place of Work at that date.
- .3 Submit to Departmental Representative, at least 14 days before first application for payment. Schedule of values for parts of Work, aggregating total amount of Contract Price, to facilitate evaluation of applications for payment.

1.4 PROGRESS PAYMENT

- .1 Contractor will issue to Owner, no later than (10) days after receipt of an application for payment, certificate for payment in amount applied for or in such other amount as Departmental Representative determines to be due. If Departmental Representative amends application, Departmental Representative will give notification in writing giving reasons for amendment.

1.5 SUBSTANTIAL PERFORMANCE OF WORK

- .1 Prepare and submit to Departmental Representative comprehensive list of items to be completed or corrected and apply for a review by Departmental Representative to establish Substantial Performance of Work or substantial performance of designated portion of Work when Work is substantially performed if permitted by lien legislation applicable to Place of Work designated portion which Owner agrees to accept separately is substantially performed. Failure to include items on list does not alter responsibility to complete Contract.
- .2 No later than (10) days after receipt of list and application, Departmental Representative will review Work to verify validity of application, and no later than [7] days after completing review, will notify Contractor if Work or designated portion of Work is substantially performed.
- .3 Departmental Representative state date of Substantial Performance of Work or designated portion of Work in certificate.
- .4 Immediately following issuance of certificate of Substantial Performance of Work, in consultation with Departmental Representative establish reasonable date for finishing Work.

1.6 PAYMENT OF HOLDBACK UPON PERFORMANCE OF WORK

- .1 After issuance of certificate of Substantial Performance of Work:
 - .1 Submit application for payment of holdback amount.
 - .2 Submit sworn statement that accounts for labour, subcontracts, products, construction machinery and equipment, and other indebtedness which may have been incurred in Substantial Performance of Work and for which Owner might in be held responsible have been paid in full, except for amounts properly retained as holdback or as identified amount in dispute.
- .2 After receipt of application for payment and sworn statement, Departmental Representative will issue certificate for payment of holdback amount.
- .3 Where holdback amount has not been placed in a separate holdback account, Owner will, (10) days prior to expiry of holdback period stipulated in lien legislation applicable to Place of Work, place holdback amount in bank account in joint names of Owner and Contractor.

- .4 Amount authorized by certificate for payment of holdback amount is due and payable on day following expiration of holdback period stipulated in lien legislation applicable to Place of Work. Where lien legislation does not exist or apply, holdback amount is due and payable in accordance with other legislation, industry practice, or provisions which may be agreed to between parties. Owner may retain out of holdback amount sums required by law to satisfy liens against Work or, if permitted by lien legislation applicable to Place of Work, other third party monetary claims against Contractor which are enforceable against Owner.

1.7 PROGRESSIVE RELEASE OF HOLDBACK

- .1 Where legislation permits, if Departmental Representative has certified that Work of subcontractor or supplier has been performed prior to Substantial Performance of Work, Owner will pay holdback amount retained for such subcontract Work, or products supplied by such supplier, on day following expiration of holdback period for such Work stipulated in lien legislation applicable to Place of Work.
- .2 In addition to provisions of preceding paragraph, and certificate wording, ensure that such subcontract Work or products is protected pending issuance of final certificate for payment and be responsible for correction of defects or Work not performed regardless of whether or not such was apparent when such certificates were issued.

1.8 FINAL PAYMENT

- .1 Submit application for final payment when Work is completed.
- .2 Departmental Representative will, no later than (10) days after receipt of application for final payment, review Work to verify validity of application. Departmental Representative will give notification that application is valid or give reasons why it is not valid, no later than (7) days after reviewing Work.
- .3 Departmental Representative will issue final certificate for payment when application for final payment is found valid.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Not used.

1.2 DEFINITIONS

- .1 Activity: element of Work performed during course of Project. Activity normally has expected duration, and expected cost and expected resource requirements. Activities can be subdivided into tasks.
- .2 Bar Chart (GANTT Chart): graphic display of schedule-related information. In typical bar chart, activities or other Project elements are listed down left side of chart, dates are shown across top, and activity durations are shown as date-placed horizontal bars. Generally Bar Chart should be derived from commercially available computerized project management system.
- .3 Baseline: original approved plan (for project, work package, or activity), plus or minus approved scope changes.
- .4 Construction Work Week: Monday to Friday, inclusive, will provide five day work week and define schedule calendar working days as part of Bar (GANTT) Chart submission.
- .5 Duration: number of work periods (not including holidays or other nonworking periods) required to complete activity or other project element. Usually expressed as workdays or workweeks.
- .6 Master Plan: summary-level schedule that identifies major activities and key milestones.
- .7 Milestone: significant event in project, usually completion of major deliverable.
- .8 Project Schedule: planned dates for performing activities and the planned dates for meeting milestones. Dynamic, detailed record of tasks or activities that must be accomplished to satisfy Project objectives. Monitoring and control process involves using Project Schedule in executing and controlling activities and is used as basis for decision making throughout project life cycle.
- .9 Project Planning, Monitoring and Control System: overall system operated by Departmental Representative to enable monitoring of project work in relation to established milestones.

1.3 REQUIREMENTS

- .1 Ensure Master Plan and Detail Schedules are practical and remain within specified Contract duration.
- .2 Plan to complete Work in accordance with prescribed milestones and time frame.
- .3 Limit activity durations to maximum of approximately 10 working days, to allow for progress reporting.
- .4 Ensure that it is understood that Award of Contract or time of beginning, rate of progress, Interim Certificate and Final Certificate as defined times of completion are of essence of this contract.

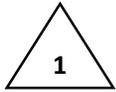
1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit to Departmental Representative within 14 working days after the contract has been awarded, a bar chart (Gantt Chart) which will be used as the overall plan and shall be utilized for the planning and follow-up of the work, as well as for the production of progress reports.
- .3 Submit Project Schedule to Departmental Representative within 5 working days of receipt of acceptance of Master Plan.
- .4 The timetable must be completed with MS Project 2013. Submit to the Departmental Representative an electronic copy of the source file and PDF for the reference calendar as well as each revised delivery schedule.
- .5 The Project Schedule.
 - .1 The Contractor must submit at the beginning of the project a Project Schedule that will serve as a reference calendar for the project follow-up as well as to set deadlines, if any.
 - .2 This implementation schedule must comply fully with the features listed by the Departmental Representative. The Departmental Representative will issue a notice of compliance, otherwise the Contractor must provide a detailed list of corrections.
 - .3 Once the notice of compliance is issued, the Project Schedule will be considered as the reference Project Schedule.
 - .4 The tasks present in the schedule must be detailed and grouped in a structured fashion. Minimally, this structure should include the following groups:
 - .1 Project management (Administration, mobilization, licensing, Approval of plans and methods, demobilization).
 - .2 Procurement (grant of sub-contracts, preparation of Shop Drawings, samples, examination and approval of drawings, manufacture and delivery).
 - .3 Construction (by activity, scheduling, duration, intervener, approval and monitoring period).
 - .4 The changes to the Reference Project Schedule.
 - .5 The Contractor must submit at all site meetings an updated timetable by indicating the date at which unforeseeable conditions or changes requested by the Departmental Representative or any other Reasons for changing the reference calendar have occurred. All the Changes to the schedule must be justified and endorsed by the Departmental Representative.

1.5 PROJECT MILESTONES

- .1 Project milestones form interim targets for Project Schedule.
 - .1 Upon receipt of the notice of award of the contract, the contractor is required to start the administrative process and to grant the subcontractors and the orders that are attached to the project
 - ~~.2 Installation of security gatehouse, temporary fences and temporary safety features and devices from August 22 to October 21, 2022.~~





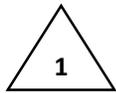
- .3 The site will not be available to the contractor inclusively between September 27 and October 21, 2022 for the duration of the ICAO Assembly. The Temporary Security gatehouse, temporary fences and temporary Protection Barriers, *installed by others (out of contract)* will remain in place until the end of the ICAO Assembly on 21 October.
- .4 The substantial completion of the work shall be delivered no later than 12 december 2022.
- .5 The final work completion certificate shall be delivered no later than 23 january 2023.

1.6 MASTER PLAN

- .1 Structure schedule to allow orderly planning, organizing and execution of Work as Bar Chart (GANTT).
- .2 Departmental Representative will review and return revised schedules within (5) working days.
- .3 Revise impractical schedule and resubmit within (5) working days.
- .4 Accepted revised schedule will become Master Plan and be used as baseline for updates.

1.7 PROJECT SCHEDULE

- .1 Develop detailed Project Schedule derived from Master Plan.
- .2 Ensure detailed Project Schedule includes as minimum milestone and activity types as follows:
 - .1 Award.
 - .2 Shop Drawings, Samples.
 - .3 Permits.
 - .4 Mobilization.
 - .5 Site unavailable to the contractor from 27 September to 21 October 2022 for the duration of the ICAO Assembly.
 - ~~.6 Security gatehouse and temporary fences.~~
 - ~~.7 Temporary security barrier.~~
 - .8 Security cameras.
 - .9 Interior architectural elements (walls, floors, ceilings).
 - .10 Plumbing.
 - .11 Lighting.
 - .12 Electricity.
 - .13 Piping.
 - .14 Control/regulation.
 - .15 Heating, ventilation and air conditioning.
 - .16 Joinery.
 - .17 Fire protection.
 - .18 Excavation.
 - .19 Filling.
 - .20 Massive ducts
 - .21 Paving.



- .22 Testing and commissioning.
- .23 Materials supplied with a long delivery time.

1.8 PROJECT SCHEDULE REPORTING

- .1 Update Project Schedule one (1) time every two (2) weeks, basis reflecting activity changes and completions, as well as activities in progress.
- .2 Include as part of Project Schedule, narrative report identifying Work status to date, comparing current progress to baseline, presenting current forecasts, defining problem areas, anticipated delays and impact with possible mitigation.

1.9 PROJECT MEETINGS

- .1 Discuss Project Schedule at regular site meetings, identify activities that are behind schedule and provide measures to regain slippage. Activities considered behind schedule are those with projected start or completion dates later than current approved dates shown on baseline schedule.
- .2 Weather related delays with their remedial measures will be discussed and negotiated.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION