

Addendum / Addenda

No./N°
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Project Description / Description de projet Solicitation No. 17-22085: Satellite Monitoring of Highway Bridges for Performance Management in the Context of Climate Change		
Solicitation No./ N° de sollicitation 17-22085	Project No./N° de projet	W.O. No./N° d'ordre de travail
Departmental Representative / Représentant Ministériel Steve Cassidy	Date Dec 14, 2017	
<ol style="list-style-type: none"> Regarding point 1 in the Year 1 tasks: It is our understanding that the Cornwall image stacks (SLA24 & SLA74) will be provided after the February 2018 acquisitions. Could you provide an exact date that the data will be available to the contractor? Regarding point 7 in the year 1 tasks: Are the meetings monthly, or are there a minimum of 3 meeting for the FY? As the project will likely start in February this would lead to 2 possible monthly meetings, however there might be need for more due to the nature and amount of work to be done during the remainder of the FY. Please clarify? Regarding deliverable "9a InSAR data" as defined in the list of tasks for Year 1. Could you clarify what is required as a deliverable by March 2, 2018? As the data may only be available some time in February (see our questions 1), it is important to get a clearer understanding about what the expectation are for this deliverable. Regarding point 10 in the Year 2 tasks: In this point, you mention the new Champlain Bridge. There is a real possibility that the bridge would only be completed at the end of 2018. This will of course affect the coherence and potential use of any imagery stack over this structure. What are the expectations in terms of deformation mapping over this structure? Regarding point 10 in the Year 2 tasks: AS data will be acquired over the Montreal and PEI bridges until September 2018, would it be possible to know the dates that the image stacks (SLA12, SLA26 and U11, U17) will be provided to the contractor 	<ol style="list-style-type: none"> Given the tight project deadlines, the last image acquisition could be set to January 22, 2018. The scenes will be provided as soon as this contract is awarded to the successful contractor. Weekly progress meetings are an option if required (up to 8) in Year 1. Also in Year 2, there could be up to 4 monthly meetings followed by up to 8 weekly meetings. The expected data would include time series (with space coordinates) of displacement time rate, displacement thermal sensitivity, height, and coherence in a format that can be imported into an Excel spreadsheet or visualized in Google Earth. At the beginning of Year 2, based on already acquired imagery and the construction progress of the New Champlain Bridge, the value and risks of monitoring this bridge will be re-evaluated and an alternate highway bridge within the same image stack may be identified as a replacement. Given the tight project deadlines, the last image acquisition in Year 2 could be set to August 23, 2018. Previous scenes may be provided to the contractor earlier in the year as they become available from the Canadian Space Agency. 	

<p>6. Regarding point 15 in the Year 2 tasks: Will this workshop require any logistical involvement from the contractor (i.e. recruit and invite attendees, hospitality requirements...), or is it simply a forum to present the results from this project?</p> <p>7. Regarding deliverable “17a InSAR data” as defined in the list of tasks for Year 2. Could you clarify what is required as a deliverable for October 5, 2018? As the data may only be available sometime in September (see our question 5), it is important to get a cleared understanding about what the expectations are for this deliverable.</p> <p>8. Regarding Mandatory Requirement 2 relating to advanced height error modelling capability: The RF states that “most bridges do not have a digital elevation models that are suitable for this analysis”. Has it been confirmed that no such models exists for the bridges in question in this RFP (Cornwall, new Champlain Bridge, Jacques Cartier Bridge and Confederation Bridge)?</p>	<p>6. It is simply a forum to present the results and technical report to a number of NRC staff members.</p> <p>7. See the answer to Question 3 above.</p> <p>8. The availability and quality of the terrain elevation model for each of these bridges have not been confirmed.</p>

Upon request, the text above can be provided in French.



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