#### **SCHEDULE 16**

### **COMMISSIONING**

## 1. COMMISSIONING PROCEDURES

1.1 Project Co shall ensure that each of the requirements set out in Section 25 of the Project Agreement is completed.

## 2. SUBSTANTIAL COMPLETION ACTIVITIES

- 2.1 Where referenced in the Project Agreement, "Phase One Substantial Completion" and "Substantial Completion" mean, in respect of Phase One and the entire Bypass, respectively, the satisfactory completion of the Works (other than the construction-period operations and maintenance services described in Schedule 15-3 OM&R and Handback) in accordance with the Technical Requirements, the Permits, Licences and Approvals, Applicable Laws and other applicable requirements set out in the Project Agreement, to such extent as is necessary to permit the safe, uninterrupted and unobstructed public use of the relevant Phase One or the Bypass, as applicable, including but not limited to:
  - (a) the paving and finishing of all road surfaces;
  - (b) the completion and full operation of all structures and drainage systems;
  - (c) the full operation of all traffic lighting and signalization;
  - (d) the full operation and commissioning of all ITS equipment including completion of all system performance testing, user acceptance testing and Cyber Security Audit as described in Appendix F to Schedule 15-2, Technical Requirements;
  - (e) the marking of all permanent pavement markings at all intersections and on all paved roads:
  - (f) the installation of all regulatory, warning and guide signing;
  - (g) the installation of all median and roadside barrier and other safety devices;
  - (h) the installation and full operation of all illumination;
  - (i) the installation and full operation of any safety devices;
  - (j) the completion of all Utility Work described in Section 200.6.2 of Schedule 15-2 Design and Construction;
  - (k) any construction and/or reconstruction of commercial and/or private roadway entrances and all commitments made to property owners during design and construction are in place and the agreement executed;

- (l) the return of all construction staging areas located on the Site to their original condition or a condition otherwise acceptable to Ministry;
- (m) issuance of a completed and fully signed Post Construction Road Safety Audit Certificate (as defined in Schedule 15-1 General) in respect of the Works to the Ministry Representative and the Independent Certifier;
- (n) the clearing and removal of all debris, superfluous materials and equipment from the Site;
- (o) in relation to Substantial Completion, the removal in their entirety of the stockpiles identified in Section 200.6.4 of Schedule 15-2 Design and Construction.

## 2.2 Asset Inventory Data

- (a) Prior to Phase One Substantial Completion or Substantial Completion as the case may be, Project Co shall update the Ministry's electronic asset inventory records as described in Section 401.4.6 of Schedule 15-3:
- (b) The asset inventory shall be formatted to the most current edition of asset inventory system. Unless specified otherwise, electronic files shall be compatible with the most recent version of either Microsoft Office or Adobe Acrobat Reader, and all supplied electronic files shall be on CD or DVD and be clearly labelled as to the content.
- (c) Project Co shall provide the Ministry with a complete list of all electrical inventory and ITS Infrastructure in electronic and hard copy.
- (d) Project Co shall support the Ministry's commissioning activities, which support shall include:
  - (i) providing data to Ministry's head office geomatics to enable the Ministry to update its provincial road map and its linear highway referencing system keypoint listing.

## 3. FINAL COMPLETION RECORDS AND DATA

## 3.1 Record Documentation

Prior to Phase One Final Completion or Final Completion:

- (a) Project Co shall compile a complete set of the applicable Construction Document Submittals, including As Built Drawings, which shall be submitted to the Ministry's Representative and made available to the Independent Certifier;
- (b) Project Co shall ensure that all changes to drawings are properly and completely identified for record purposes. The drawing numbers shall remain the same as the originals. All Construction Document Submittals shall be stand-alone documents drafted in the format and to the standards of the Design Development Submittals; and
- (c) all structural As Built Drawings shall be sealed and signed by the Engineer of Record.

# Project Agreement – Schedule 16 Execution Version

# Regina Bypass Project

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