
2020 ROAD PAVEMENT AND STRUCTURE ASSESSMENT

REQUEST FOR PROPOSAL

February 18, 2020

Background:

The Town of Edson (hereinafter referred to as the “Owner”) is in desire to conduct a comprehensive road pavement and structure assessment study*. The purpose of the assessment study is to properly document pavement and structure conditions of Town owned road networks (including sidewalk and trails), and implement the most economic treatment, based on analysis of the assessment, to extend useable lives of the network. This is a long-term project and the scope of this project encompasses the entire town.

Scope of Work:

Successful responders to this RFP will be required, at a minimum, to undertake the following tasks:

- Provide for an engineering services quote;
- Provide **in detail of the tool/technology/software** used to assess road pavement and structure conditions;
- Provide for feasible traffic accommodation strategies (TAS), if necessary;
- Should the Town select the **optional** service of project management from bidder, prepare a quote for this service, including but not limited to the preparing construction tender package (in consultation with the Town), filing or obtaining permits, complying with environmental and regulatory requirements;
- Provide for a construction quote for the recapping (by length of road).

Deliverables:

Deliverables of this RFP at minimum shall include the following:

- Collect physical pavement surface defects using a Laser Crack Measurement System (LCMS);

- Collect longitudinal profile roughness for calculating the International Roughness Index (IRI) and subsequently the Riding Comfort Index (RCI), and reporting the data in metric units **over a summary interval of no more than 30m**;
- Collect transverse profile measurements for calculating rut depths and roadway cross slope and reporting the data in metric units **over a summary interval of no more than 30m**;
- Collect high-resolution digital right-of-way images (ROW images);
- Collect pavement deflection measurements;
- Conduct a Ground Penetrating Radar (GPR) survey to identify individual pavement layers and determine their thickness, to a **minimum depth of 500mm**;
- Conduct a subsurface investigation to calibrate and supplement the GPR survey;
- Collect physical pavement surface defects for calculating the Pavement Condition Index;
- **(OPTIONAL)** Collect physical surface distress for sidewalks in accordance with ASTM D6433 Standards and develop an overall Sidewalk Condition Index;
- Develop an overall Asphalt Pathway/Trail Pavement Condition Index;
- **Implement an open database structure Pavement Management System to archive and analyze the network condition data and predict pavement performance over a multi-year period (the PMS must link to the digital ROW images to provide a “street view” and have a GIS interface for display**;
- Provide sufficient training on the PMS and corresponding GIS module;
- **Develop strategies and plan to maintain consistent levels of services for each pavement network**;
- Report on the present status of the road networks, **OPTIONAL** for sidewalk, and pathway networks;
- Presentation of the pavement condition assessment report, maintenance and capital improvement programs.

Selection Process:

The selection process involves the following:

- Solicitation of responses through this “Request For Proposals” through general advertising and/or invitations;
- Review of Proposals by Town of Edson and other stakeholder groups.
- Possible Bidder’s Conference.
- Selection and negotiation of contract.

Additional Contents of Proposal:

The additional contents of proposal submitted shall include the following:

- Past experience on similar projects;
- Qualification and experience of principal staff and experience of proposed affiliated associates for specialized tasks;
- Proposed fee structure. Fee structure should contain fee schedule identifying the bulleted task items above, among others, as pay item, a breakdown of all hourly rates and predicted person hours attributed to each team member as well as disbursement costs, and a flat rate fee for additional meetings as may be required;
- Proposed detailed timeline to complete the works indicated in this RFP;
- **Demonstration of the ability to provide creativity in the inspection and management of road networks;**
- Proponents are requested to provide references from three (3) similar sized or types of projects completed within the previous five (5) years.

Evaluation Criteria:

Evaluation of responders to this RFP is based on the following:

Qualification Factors		Score	Weight
Specific Professional Experience for the Type of Work	Technical Aspects	On a scale of 1-10 (1 being the lowest)	20%
	Operational and Maintenance Aspects		
	Track Record and Cost Control Aspects		
Specific Advantages of Software	Experience with Alberta Transportation	On a scale of 1-10 (1 being the lowest)	30%
	References from Existing Clients		
Approach to the Work to be Done	Organization	On a scale of 1-10 (1 being the lowest)	10%
	Innovative Methods		
Qualifications of Project Manager(s)	Personal Professional Experience	On a scale of 1-10 (1 being the lowest)	10%
	Ability to Manage the Work Team		
Cost of Service	Overall Project Cost	On a scale of 1-10 (1 being the lowest)	30%
	Additional Project Cost		

Project Timeline:

The Town of Edson is considering starting the assessment related tasks as early as in the spring of 2020.

Proposal Submission:

Proposals clearly marked “**2020 ROAD PAVEMENT AND STRUCTURE ASSESSMENT (Project No.: ENG-201-02)**” must be received by the undersigned at:

The Town of Edson Civic Building
Department of Infrastructure and Planning front desk
605 - 50th Street
Edson, Alberta T7E 1T7

up to and no later than 3:30 p.m. (local time), Wednesday, March 4th, 2020. **Proposals submitted to locations other than the above specified will not be considered as valid. Proposals submitted electronically will be considered only if original documents were going to be delivered to the above location prior to closing date.**

Closing Remarks:

The Owner reserves the right to reject any and all Proposals and the lowest cost Proposal may not necessarily be accepted. The Owner may decide, at its sole discretion, that no Proposal submitted will be accepted and no Contract will be awarded pursuant to this process. In that event, all Proponents will be notified and the Owner will have no liability to any Proponent. If the Owner decides to accept a Proposal and award a Contract, the selection of the successful Proponents will be based on a number of criteria which will include, but is not limited to, the price, delivery date, and qualification of the Proponent. Receipt of a Request for Proposal and evaluation by the Owner of a Proposal does not imply that the Proponent is qualified. The Owner reserves the right to waive informalities rejecting any or all Proposals, or to accepting the Proposal deemed most favorable in the interest of the Owner.

Please contact the undersigned should further information be required. All Proponents will have the opportunity to bring forward questions regarding this RFP, **in writing**, and no later than 2:00 p.m. on Monday, March 2nd, 2020. Written responses to questions

asked will be provided to all Proponents by the Owner regardless of which Proponent(s) the question(s) came from. **Telephone inquiries will not be considered.**

* Subject to approval.

Mitch Hamm, Capital Projects Manager

Town of Edson

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