

## APPENDIX C: SURVEY SENT TO VENDORS

### NCHRP Synthesis Topic 48-12 Inertial Profiler Certification for IRI Measurements Questionnaire to Vendors Who Collect Network-Level IRI Data

This questionnaire is addressed to vendors to obtain information related to procedures that are used for network level IRI data collection.

Name:

Company:

Email:

Phone:

**Question 1:** What percentage of state highway agencies certify your profiling equipment before data collection by collecting data at test sections established by the State Highway Agency within the state where data collected by your profiler is compared with data collected by a reference device?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 2:** What percentage of state highway agencies require your profiling equipment to be certified at a facility operated by another DOT or a university (e.g., NCAT, TTI) before data collection?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 3:** How many state highway agencies require your profiling equipment to collect data at control sections established in different parts of the state during network level data collection?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 4:** How many state highway agencies require your company to submit a data quality control plan before collecting data?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 5:** How many state highway agencies specify the sensor spacing (distance between left and right sensors) in their contract documents for data collection?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

If an agency does not specify a sensor spacing, what sensor spacing do you use?

**Question 6:** How many state highway agencies specify the profile data recording interval in their contract documents for data collection?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

If an agency does not specify a data recording interval, what is the data recording interval you use for computing IRI?

**Question 7:** How many state highway agencies specify the height sensor type (i.e., line laser – Gocator, wide-spot, single-point) in their contract documents for data collection?

- Less than 20%.
- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 8:** What percentage of your equipment that collect network level data are equipped with line lasers (i.e., Gocators)?

- Less than 20%.

- 20 to 40%.
- 40 to 60%.
- 60 to 80%.
- 80 to 100%.

**Question 9:** Please describe the procedures that you adopt when collecting network level IRI data to ensure that quality data are being collected.