



INTERNATIONAL ROAD DYNAMICS INC.

702 - 43rd Street East, Saskatoon, SK, Canada,

Phone: (306) 653-6600 Fax: (306) 242-5599

- Site Service Report -

Date: July 2, 2009

IRD Contract No.: 11167

From: Trevor Ritchie

To: Cindy Mantie

Project Name/Location: Service Date(s): Maine I-95 Ltp Maintenance

Job Description: Perform Preventative Maintenance on the I-95 Ltp site

Work Completed:

Arrived on site at approximately 2:00pm Tuesday June 30. Opened the cabinet and inspected and inspected the in road sensors. I noticed that loop sealant was gone from the conduit of the upstream Kistler sensors and the pavement around the conduit had broken away exposing the conduit and the sensor leads. I then connected to the Isinc with my Laptop to ensure that there was no problem with the sensors and everything appeared to be fine. I proceeded to patch the missing loop sealant and pavement, first sealing the conduit with duct seal and then using a can of Durant Stat-a-flex loop sealant to seal the conduit and protect the sensor leads. Proceed to measure the electrical charcthersitcs of the sensors, all sensors tested good. See below table for test results.

Sensor	Resistance	Capictance	Signal
K1 + K2	OPEN	11.02nF	> 400 mV excellent
K3 + K4	OPEN	11.07nF	> 300 mV excellent
K5 + K6	OPEN	11.71nF	> 400 mV excellent
K7 + K8	OPEN	11.08nF	> 300 mV excellent

Sensor	Resistance	Inductance
Loop 1	0.8 ohms	136uH
Loop 2	0.9 ohms	137uH

The 12 Volt batteries were tested with a battery anylzier and where 13.4V and tested good. More anti-corrison grease was put on the battery terminals. The cabinet was cleaned and was inspected for any abnormalities including the pole for the solar panel. The concrete foundation for the cabinet has broken away from the standing pads on either side of the foundation. No need for repair as it is purely an aesthetic issue now and the break is a fairly clean one and it doesn't look bad. Standing pads and cabinet foundation should not be one continuous pour.

I monitored traffic for some time and the system appears to be weighing and classifly good.



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Before patching



After Patching



Standing pad separating from cabinet foundation



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Notes:

Since the pavement around the conduits are starting to break away this needs to be monitored and most likely be patched more in the future. Future maintenance visits field personnel need to be prepared to patch area if needed.

Action Items:

Item	Action Required	Ownership
1.	N/A	N/A
2.	N/A	N/A
3.	N/A	N/A
4.	N/A	N/A