WIM SITE INSPECTION FORM

Clear

Date:

Technician Name: Phone:

SITE INFORMATION

Site ID:

Route: Milepost:
Latitude: Longitude:

EQUIPMENT INFORMATION

WIM Controller Type: Sensor Configuration -
Firmware version:
WIM Sensor Type :

PAVMENT INSPECTION

Indicate any deficiencies that may affect the performance of the WIM system, such as cracking, rutting, faulting, potholes, scaling, raveling, etc. Photograph any distresses discussed.

IN-ROAD SENSOR INSPECTION

Describe any deficiencies regarding the sensor installation. Indicate sensors that show any signs of being broken, severely worn, missing, removed, or loose. Collect photos of each item discussed.

TRUCK DYNAMICS

Indicate any irregular truck behaviors such as bouncing, swerving, or braking near the weighing area (within 200 feet). Note the distance from the weighing sensors.

EQUIPMENT INSPECTION

Indicate any deficiencies with any site equipment other than the in-road sensors. Photograph each occurrence.

Cabinet/Foundation	None ☐

Pull Boxes	None ☐

Pole/Mast	None ☐

Solar Panels	None ☐

Telephone D-Mark Box	None ☐

Power Service Box	None ☐

Grounding		None	☐

Visible conduit		None	☐

Additional comments

ELECTRICAL AND ELECTRONIC TESTS

STATIC EQUIPMENT VALUES (SYSTEM OFF)

POWER

Solar Panel		WATTS		VDC
Equipment Power		VAC		VDC
Battery 1		VDC		
Battery 2		VDC		
Regulator Output		VDC		
Power Supply		VAC		VDC
System Input		VAC		VDC
Modem Power		VAC		VDC
Telephone		VDC		

LOOP SENSORS

	Resistance		Inductance		Insulation		Frequency	
Leading		Ω		µh		MΩ		KHz
Trailing		Ω		µh		MΩ		KHz

QUARTZ-PIEZO SENSORS

	Resistance	Capacitance
K1 (lead/left)	Ω	ηf
K2 (lead/middle)	Ω	ηf
K3 (lead mid/right)	Ω	ηf
K4 (lead/right)	Ω	ηf
K5 (trail/left)	Ω	ηf
K6 (trail/mid left)	Ω	ηf
K7 (trail/mid right)	Ω	ηf
K8 (trail/right)	Ω	ηf

PIEZO-POLYMER SENSORS

	Resistance	Capacitance	Amplitude (Class 9)
Piezo 1 (lead)	Ω	ηf	mV
Piezo 2	Ω	ηf	mV
Piezo 3	Ω	ηf	mV
Piezo 4 (trail)	Ω	ηf	mV

PREVENTIVE MAINTENANCE

	☐	Lubricate cabinet lock
	☐	Lubricate cabinet hinges
	☐	Condition cabinet seal
	☐	Replace cabinet filter
	☐	Vacuum cabinet interior
	☐	Wipe down cabinet components
	☐	Plug and open conduits
	☐	Check operation of fan
	☐	Check operation of light
	☐	Clean all terminals and terminations
	☐	Check doors/locks for proper operation
	☐	Install poison and traps
	☐	Check communications
	☐	Update Maintenance Log

PHOTOGRAPHS

☐	Cabinet exterior
☐	Cabinet Interior
☐	Solar Panel
☐	Junction Boxes
☐	Junction Box(es) (Interior)
☐	Modem
☐	Battery
☐	Power Service Meter/Pedestal
☐	Roadway- Upstream from sensors
☐	Roadway- Downstream from sensors
☐	Roadway distress w/in 400' of WIM
☐	Roadway Sensors (1 each)
☐	
☐	
☐	
☐	
☐	
☐	
☐	