RFQ 444-4481

ATTACHMENT C

Attachment C (Preventative Maintenance Checklist).xls

Date: _____ Location: _____

Serviced by: _____

Type 1 Operational check - Solid State & 170 Controller

	completed	repaired	replaced	Does Not Apply
Cabinet:				
Replace filters (Upgrade if needed).				
Lubricate locks & hinges as needed.				
Check fan and thermostat operation.				
Check for evidence of water leakage (caulk/seal as needed).				
Check conduit sealant.				
Check gaskets & seals (lubricate if needed).				
Remove graffiti, tape residue, signs etc.				
Spot paint/prime as needed.				
Inspect wiring and terminations for burnt terminals and/or damaged insulation.				
If found, determine and isolate cause.				
Test GFI receptacle prior to use.				
Vacuum or Blow accumulated dirt/debris.				
Controller:				
Observe indicators for proper operation.				
Check phase extension per actuation.				
Verify that cards or modules are properly seated.				
Verify that connectors are secure.				
Verify operation/timing per timing sheet.				
Conflict Monitor:				
Verify CMU operation by shorting two conflicting field terminals together.				
Reset the monitor.				
Observe indicators for proper operation.				
Inspect ribbon cable on Plus-Monitors for damage.				
Verify that the program card is properly seated.				
Verify that connectors are secure.				
Switch Packs:				
Observe indicators for proper operation.				
Verify that the switch is properly seated.				
Flashers:				
Observe indicators for proper operation.				
Verify that the switch is properly seated.				
Check flash operation (cabinet & Police).				
Relays:				
Check for burnt or overheated contacts.				
Verify that the relays are properly seated.				
Clocks:				
Check for correct time/DOW setting.				
Manually verify output switch operation.				
Preemption:				
Simulate actuation and verify proper operation.				
Coordination:				
Observe that current plan is per TOD.				
Check for correct time/DOW setting.				
Signal Heads:				
Inspect alignment and visibility.				
Check for broken lenses				
Check for burned-out lamps.				
Check for missing/damaged visors.				
Check for missing/damaged back-plates.				

ATTACHMENT C

Attachment C (Preventative Maintenance Checklist).xls

Poles & Mast arms:

Check for missing/damaged H/H covers.				
Check anchor bolt hardware for tightness.				
Check condition of grout.				
Check plumb of pole.				
Check for damage/dents etc.				
If painted, spot paint/primer as needed.				
Remove graffiti, tape residue, signs etc.				

Pedestrian Push Buttons:

Check all buttons for operation.				
Check signs for legibility.				
Verify Isolator input and signal operation.				

Detector Loops:

Inspect roadway along loop perimeter for exposed wire/conduit, potholes and/or missing sealant.				

Detector Amplifiers:

Check that vehicles are being detected.				
Verify that appropriate call is registered on controller.				

Pull Boxes:

Check box and lid for proper fit and legend.				
Check box and lid for breakage/cracking.				
Check cables/wires for damaged insulation.				
Remove accumulated dirt/water.				
Treat for insects if needed.				
Check condition of grout.				
Check for missing or damaged delineator posts.				
Check conduit sealant.				

Electrical Service:

Check lock for serviceability.				
If pedestal; check meter window for clarity.				
Remove graffiti, tape residue, signs etc.				
Check conduit sealant.				
If pole mounted; a) inspect conduit for damage,				
b) check ground connection for tightness.				

Type 2 - Conflict Monitor Unit Test

General:

Place the intersection in flash mode.				
Remove and test the monitor				
Repair/Adjust as necessary to meet test parameters.				

(Faults that do not adversely affect the safe operation of the signal are tolerable. They must be documented with a full explanation of the circumstances.)

Reinstall the tested monitor & restore the signal to full operation.				
Complete the necessary documentation.				
Verify conflict operation by shorting two conflicting field terminals together.				
Reset the Monitor.				
Inspect the cables and connector for damage.				
Verify that the program card is properly seated.				
Verify that all connectors are secure.				
Verify that all connectors are secure.				