

TRAFFIC SIGNAL PREVENTIVE MAINTENANCE CHECK-LIST

Name:		Intersection:			Date:	
Controller:		Serial #		OS #		
Conflict Monitor:		Serial #		OS #		
ITEM #	TASK	DESCRIPTION	OK	REPAIRED/ UPDATED	N/A	
1.	CONTROLLER	CONTROLLER DISPLAY & KEYPAD FUNCTIONAL				
		CHECK DATE, TIME & DST IN CONTROLLER				
		COMPARE CONTROLLER TIMING TO TIME SHEET				
		CHECK COORDINATION PROGRAMMING				
		VERIFY PEDESTRIAN CALLS IN CONTROLLER				
		VERIFY VEHICLE CALLS IN CONTROLLER				
		CHECK PREEMPTION OPERATION				
		CHECK CONTROLLER ALARMS & CLEAR				
		COMPARE/UPLOAD WITH LAPTOP TIMINGS				
				notes:		
2.	CONFLICT MONITOR	SCAN MONITOR FOR LOGGED EVENTS				
		PERFORM CONFLICT MONITOR TEST				
		PLACE COPY OF TEST REPORT IN CABINET				
				notes:		

ITEM #	TASK	DESCRIPTION	OK	REPAIRED/ UPDATED	N/A
3.	VEHICLE DETECTION	VERIFY DETECTION WORKING FOR ALL LANES			
		RETUNE DETECTOR AMPLIFIERS (LOOPS)			
		CHECK DETECTION ZONE PLACEMENT (VIDEO)			
		CHECK DETECTION ZONE PLACEMENT (RADAR)			
		VERIFY CABLES ARE LABELED (DIRECTION/PHASE)			
		VERIFY PROCESSOR FIRMWARE (VIDEO/RADAR)			
		notes:			
4.	BATTERY BACK UP	CHECK ELECTRICAL CONNECTIONS			
		CHECK BBU FOR LOGGED EVENTS			
		CHECK AC VOLTAGE INPUT			
		CHECK AC VOLTAGE OUTPUT			
		CHECK BATTERY DC VOLTAGE INPUT			
		VACin: _____ VACout: _____ VDC: _____			
		VERIFY AUTOMATIC TRANSFER SWITCH OPERATION			
		TEST BBU VIA SIMULATED POWER OUTAGE			
		notes:			
5.	CABINET	VACUUM CABINET INTERIOR			
		REPLACE CABINET FILTER			
		CHECK FAN & THERMOSTAT OPERATION			
		CHECK CABINET LIGHT & SWITCH OPERATION			
		LUBRICATE HINGES & LOCKS			
		CHECK & TIGHTEN ALL TERMINAL CONNECTIONS			
		CHECK CABINET DOOR GASKET			

ITEM #	TASK	DESCRIPTION	OK	REPAIRED/ UPDATED	N/A
5.	CABINET (continued)	CHECK NEUTRAL & GROUND BUSES			
		CHECK GFCI RECEPTACLE			
		SEAL INCOMING CONDUIT (PREVENT RODENT ENTRY)			
		CHECK CABINET BASE SEAL & RECAULK IF NEEDED			
		VERIFY ALL FIELD CABLES ARE LABELED			
		CHECK AC LINE VOLTAGE & CURRENT			
		VACin: _____ CURRENT (I)in: _____			
		VERIFY UP TO DATE PRINTS/MANUALS IN CABINET			
		notes:			
6.	FIELD	CHECK SCHOOL ZONE FLASHERS			
		TEST FIREHOUSE PREEMPTION (IF ACCESSIBLE)			
		TEST EMERGENCY VEHICLE PREEMPTION			
		VERIFY PREEMPTION CONFIRMATION LIGHTS			
		TEST RAILROAD/TRAIN PREEMPTION			
		TEST OTHER PREEMPTION: _____			
		WALK INTERSECTION & CHECK ALL INDICATIONS			
		CHECK SIGNAL FACE ALIGNMENT			
		CHECK PED BUTTONS OPERATION			
		INSPECT POLES & MASTARMS FOR DENTS/WEAR			
		INSPECT POLE BASES AND COVERS			
		INSPECT PULLBOX LIDS			
		TEST PHOTOCELL OF LIGHTING CONTROLLER			
		INSPECT UTILITY DISCONNECT, FUSE, BREAKERS			
notes:					

Additional Notes: