

Controller Cabinet Test Procedures Form

Vendor/Contractor performing inspection _____

Project Name/Number _____

IMSA Certified Field Technician Level II Information

Name _____ Number _____

Signature _____ Completion Date _____

Intersection _____

Please check off each item and note any differences.

- 1. Compare the complete *Controller Cabinet Inventory Form* with vendor inventory sheet before starting the test. Note any discrepancies.
- 2. Check that all harnesses and panels are properly labeled.
- 3. Proper number of circuit breakers and proper amp rating.
- 4. Cabinet meets specifications in latest plan set.
- 5. CICU wiring matches cabinet schematics and signal construction plans.
- 6. Cabinet schematics are labeled and correct.
- 7. Drop back panel and check all connections – Return to proper position checking for wiring clearances.
- 8. Check and tighten all connections/screws.
- 9. Certify error monitor using tester using ATSI model PCMT – 2600 or PCMT 8000
- 10. Install tested controller, certified monitor, detectors, and other equipment. Hook up light board, power cord and appropriate test equipment and check proper operation.
- 11. Check fan, thermostat, and lighting. Test GFCI and verify it controls all fans and lighting.
- 12. Test for conflicts.
- 13. Test for red fails by removing all vehicle load switches one at a time.
- 14. All cabinet switches work properly.
- 15. Correct phasing exists on flash transfer relays.
- 16. All unused and permissive left turn phases wired for no flash.
- 17. Check that unused phases are tested for proper operation if needed in future.
- 18. Hook up test loop and check each channel of detection verifying it calls proper phase and that “J” pin reads 120vac when in that phase.
- 19. Video camera and radar equipment verify equipment is functional.
- 20. Cabinet has been test run at least 48 hours.
- 21. Package all unused load switches, flash transfer relays, and etc in box with intersection name and provide to the City on switchover.
- 22. One complete set of paperwork in pouch. Set shall include box prints, reduced copy of plan set. Extra copies shall be given to City on day of switchover.