

APPENDIX C

Form C1 – CABINET/CONTROLLER SETUP FORM

Cabinet Database: _____

Controller Test by: _____ Date Completed: _____

Installation

Date Installed: _____

Installed By: _____

Cabinet Type: _____ Brand: _____

Print Number: _____ Serial Number: _____

Communications Established with TransSuite? (YES/NO)

Equipment	Brand/Type	Serial Number
Controller		
MMU		
Power Supply		
Preemption Card #1		
Preemption Card #2		
Detector Brand		
Detector Brand		
Detector Brand		
Detector Brand		
Detector Brand		
Detector Brand		
Detector Brand		

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FORM C2 – PHASE 1 BENCH TEST

8.1 – Intersection Signal Control General Software Requirement

	Yes	No
8.1.1. Does the software comply with NEMA TS-2 (with NTCIP v02.06) standard?	<input type="checkbox"/>	<input type="checkbox"/>

8.2 – Basic Timing Parameters

	Yes	No
8.2.1 Does the software default to standard dual-ring, 8-phase NEMA configuration with leading left turns (odd-numbered phases)?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.2. Does the software support a minimum of [16] vehicles phases?	<input type="checkbox"/>	<input type="checkbox"/>
(*Preferred) Does the software support a preferred [24] vehicle phases?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.3. Does the software support a minimum of [4] phasing rings?	<input type="checkbox"/>	<input type="checkbox"/>
(*Preferred) Does the software support a minimum of [6] phasing rings?	<input type="checkbox"/>	<input type="checkbox"/>
Number of Phasing Rings Supported _____		
8.2.4. Does the software support a minimum of [8] pedestrian phases?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.5. Does the software support a minimum of [16] overlaps?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.6. Does the software support a minimum of [6] transit phases?	<input type="checkbox"/>	<input type="checkbox"/>
(*Preferred) Does the software support a minimum of [8] transit phases?	<input type="checkbox"/>	<input type="checkbox"/>
Number of Transit Phases Supported _____		
8.2.7. Does each transit phase have the ability to control two and three section signal heads?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.8. Does each transit phase have the ability to provide advanced warning sign control?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.9. Does the software support stop timing and interval advance?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.10. Does the software provide volume/density phase timing?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.11 Does the software support dual entry, selectable by phase?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.12. Does the software support a “minimum”, “maximum”, “pedestrian”, and “soft” recall mode?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.13. Does the software provide leading and lagging pedestrian intervals?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.14. Does the leading pedestrian interval start at a specified time interval before the adjacent movement phase?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.15. Does the lagging pedestrian interval start at a specified time interval after the adjacent through movement phase, and allow a waiting right-turn queue to be cleared before the pedestrian walk indication is presented?	<input type="checkbox"/>	<input type="checkbox"/>

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8.2 – Basic Timing Parameters

	Yes	No
8.2.16. Does the software allow for exclusive pedestrian intervals?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software dedicate an additional phase for exclusive pedestrian use in which NO vehicular movements are served concurrently with pedestrian traffic?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.17. Is the software capable of operating a flashing yellow arrow for protected/permissive mode, protected only and permissive only left turn?	<input type="checkbox"/>	<input type="checkbox"/>
Can this mode be programmed and changed by time-of-day (TOD) or day-of-week (DOW) scheduling?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.18. Does the software allow the user to reverse the sequence of phase pair (alternate sequence) without making changes to the ring/barrier structure programmed?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.19. Does the software support for full operation of Pedestrian Hybrid Beacon as described in the 2009 MUTCD, Chapter 4?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.20. Is the software able to activate the following parameters selectable by phase through TOD schedules?		
• Call-to-Non-Actuated (CAN) I & II	<input type="checkbox"/>	<input type="checkbox"/>
• Rest-in-Walk	<input type="checkbox"/>	<input type="checkbox"/>
• Pedestrian Re-service (Pedestrian Re-cycle)	<input type="checkbox"/>	<input type="checkbox"/>
• Pre-time	<input type="checkbox"/>	<input type="checkbox"/>
8.2.21. Does the software provide two sets of walking intervals per phase?	<input type="checkbox"/>	<input type="checkbox"/>
Is Phase I enabled by default?	<input type="checkbox"/>	<input type="checkbox"/>
Can Phase II be enabled by either a TOD command or an extended push button press?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.22. Does the software provide a minimum bike green time, which is selectable by phase?	<input type="checkbox"/>	<input type="checkbox"/>
Is the green time only able to be activated by a bike detector call?	<input type="checkbox"/>	<input type="checkbox"/>
8.2.23. Does the software provide the ability to extend an all-red interval?	<input type="checkbox"/>	<input type="checkbox"/>
Can this red clearance be extended until it reached a pre-defined red maximum (if the red extended detector input is true) or the red extend detector input goes false?	<input type="checkbox"/>	<input type="checkbox"/>

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8.2 – Basic Timing Parameters

8.2.24. Does the start-up process support either of the two start-up options?

Option I	Option II
• Flash all red for the programmed interval	• Flash yellow/red for the programmed interval
• All red for the programmed interval	• Yellow on main street and red on side street for the programmed intervals
• Then begin service on the selected phase greens	• All red for the programmed intervals
• Normal sequence follows	• Normal sequence follows

Yes

No

Yes

No

Yes

No

8.2.26. Does the software provide a minimum of **[3]** “maximum green” time by phases that can be selected by a coordination plan and TOD schedules?

8.2.27. Does the software support a “backup protection” or “anti-backup” option, which is selectable by phase?

8.2.28. Does the software provide a minimum of **[4]** phase timing plans (phase bank) that can be selected by a coordination plan, free mode or TOD schedule?

8.2.29. Does the software provide a minimum of **[4]** sets of phase recall data that can be selected by coordination plan or TOD schedule?

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8.3. – Coordination

	Yes	No
8.3.1. Does the software support a minimum of [128] signal timing plans/patterns, which can call for coordinated, free or a programmed flash operation?	<input type="checkbox"/>	<input type="checkbox"/>
8.3.2. Does the software support coordination with single and multiple yield points?	<input type="checkbox"/>	<input type="checkbox"/>
8.3.3. Does the software support phase re-service in coordination mode (conditional service)?	<input type="checkbox"/>	<input type="checkbox"/>
8.3.4. Does the software support the following offset recovery options?		
• Short way	<input type="checkbox"/>	<input type="checkbox"/>
• Long way	<input type="checkbox"/>	<input type="checkbox"/>
• Short/Long way	<input type="checkbox"/>	<input type="checkbox"/>
• Dwell	<input type="checkbox"/>	<input type="checkbox"/>
8.3.5. Does the software support programming to run coordination with a vehicle split less than a programmed walk+pedestrian+yellow+all red?	<input type="checkbox"/>	<input type="checkbox"/>
8.3.6. Does the software support phase and pedestrian recall or the omitting of per coordination plan?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software support a cycle-by-cycle split adjustment per coordination plan?	<input type="checkbox"/>	<input type="checkbox"/>
Is the cycle-by-cycle split able to move available time from phases that are under-saturated to phases that are over-saturated?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software allow for the early gap-out of actuated coordinated phases?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software allow for unused time to be distributed to movements with greater demand?	<input type="checkbox"/>	<input type="checkbox"/>
8.3.7. Does the software support floating and fixed force-off modes?	<input type="checkbox"/>	<input type="checkbox"/>
Can the user select a force-off mode for each coordination plan/pattern?	<input type="checkbox"/>	<input type="checkbox"/>

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8.4. – Detector Inputs

	Yes	No
8.4.1. Does the software support a minimum of [64] vehicle detector inputs?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software support a minimum of [8] pedestrian detector inputs?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.2. Does the software provide the following detector diagnostics?		
• No activity	<input type="checkbox"/>	<input type="checkbox"/>
• Max presence	<input type="checkbox"/>	<input type="checkbox"/>
• Erratic counts	<input type="checkbox"/>	<input type="checkbox"/>
Does the software provide a minimum of [2] alternative values for the detector diagnostics, which shall be selectable by TOD?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.3. Does the software provide user-definable cabinet input function mappings?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.4. Does the software support bicycle detection which can be assigned to a bike call, vehicle call, and/or a pedestrian call?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.5. Does the software allow the user to assign any detector as a system detector?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.6. Does the software support a minimum of [32] system detectors, capable of accumulating volume and occupancy data on a user-defined incremental interval?	<input type="checkbox"/>	<input type="checkbox"/>
Can the software log and store a minimum of [72-hour] volume and occupancy data with [15-minute] intervals?	<input type="checkbox"/>	<input type="checkbox"/>
8.4.7. Can the controller enable/disable multiple Car logic (minimum [2]) per detection input channel for protected/permissive turn movement where protected turns only appear if the minimum number of cars is detected to start of green?	<input type="checkbox"/>	<input type="checkbox"/>

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8.5. – Pedestrian Overlaps

- | | | |
|--|--------------------------|--------------------------|
| 8.5.1. Does the software support pedestrian overlaps? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8.5.2. Does the software support NTCIP normal overlap
(as described in NTCIP TS3.5, 2.10.2.2)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8.5.3. Does the software support NTCIP MinusGreenYellow overlap (as described
in NTCIP TS 3.5, 2.10.2.2)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8.5.4. Does the software support an overlap for the following LRT operation
described below?
The overlap indication is a special two-section head driven by the overlap's
green and red outputs. During the overlap's yellow clearance interval, the
green output flashes.
The overlap output shall be green in the following situations:
(1) When an overlap parent phase is green, and an overlap modifier phase
is NOT in service and no termination detector is actuated.
(2) When an overlap parent phase is yellow (or red clearance) and an
overlap parent phase is next, and an overlap modifier phase is NOT in
service and no termination detector is actuated.
Any modifier phase in service or selected as phase-next will stop the overlap
from outputting green. If pedestrian service is enabled for the overlap, it'll
time concurrently with the overlap green timers.
The overlap shall be able to flash red indication prior to the overlap going
green. This indication will be displayed during the preceding non-parent
phase. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8.5.5. Does the software support overlap trailing (Green Clearance)? | <input type="checkbox"/> | <input type="checkbox"/> |

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8.6. – Preemption

	Yes	No
8.6.1. Does the software support the minimum required [8] preempt inputs?	<input type="checkbox"/>	<input type="checkbox"/>
8.6.2. Are preemption routines in the software in accordance with the NEMA TS-2 specifications (v02.06)?	<input type="checkbox"/>	<input type="checkbox"/>
8.6.3. Is the software capable of activating warning lights, blankout signs and other auxiliary devices during a preemption sequence?	<input type="checkbox"/>	<input type="checkbox"/>
8.6.4. Does the software accept infrared preemption input?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software have the ability for the active coordination plan to run in sequence behind the preemption, and to exit preemption in sync or choose exit phases?	<input type="checkbox"/>	<input type="checkbox"/>
Does the software permit or allow any combination of vehicle phases, overlap and pedestrian phases during preemption operation?	<input type="checkbox"/>	<input type="checkbox"/>
8.6.6. Does the software support rest-in-walk for pedestrian phases? during dwell interval of preemption?	<input type="checkbox"/>	<input type="checkbox"/>

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8.9. – Time Base Schedule

	Yes	No
8.9.1. Does the software provide the following scheduling types?		
• Time of Day/Day of Week	<input type="checkbox"/>	<input type="checkbox"/>
• Holiday	<input type="checkbox"/>	<input type="checkbox"/>
• Temporary	<input type="checkbox"/>	<input type="checkbox"/>
8.9.2. Does the software automatically sort the schedule chronologically by the TOD entry?	<input type="checkbox"/>	<input type="checkbox"/>
8.9.3. Does the software provide (or the ability to provide) the following schedule priority?		
1. Holiday – Overrides all other schedule types		
2. Temporary – Overrides active TOD/DOW schedule		
3. Active TOD/DOW		
Yes No		
<input type="checkbox"/> <input type="checkbox"/>		
8.9.4. Does the software support the minimum required [32] events in each schedule that can be activated by TOD/DOW?	<input type="checkbox"/>	<input type="checkbox"/>

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8.9. – Time Base Schedule

8.9.5. Does the software support the minimum required [32] TOD/DOW schedules?

8.9.6. Does the software schedule support, as a minimum, the following operation functions?

- Call-to-Non-Actuated (CNA) I & II
- Rest-in-Walk
- Pedestrian Re-service (Pedestrian Re-cycle)
- Phase omit
- Second Walk/Ped Clearance interval
- Second/Third phase maximum greens
- Plan sets
- Flashing operations
- Special functions

8.9.7. Does the software have the ability to schedule holiday events at least one year in advance?

8.9.8 Does the software support both fixed and floating holidays?

8.9.9. Does the software support temporary event patterns?

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9. – Security

	Yes	No
9.1. Does the software provide username and password protection?	<input type="checkbox"/>	<input type="checkbox"/>
9.2. Can the username and password be reconfigured to the City's preference?	<input type="checkbox"/>	<input type="checkbox"/>
9.3. Does the software allow for multiple security levels of access (such as a "view only" mode, access to modify timing parameters, and access to modify phasing configurations)?	<input type="checkbox"/>	<input type="checkbox"/>

10. – Alarms

	Yes	No
10.1. Does the controller provide one of the following alarms classified as the following?		
• Critical	<input type="checkbox"/>	<input type="checkbox"/>
• Non-Critical	<input type="checkbox"/>	<input type="checkbox"/>
• Detector Fault	<input type="checkbox"/>	<input type="checkbox"/>
• Coordination	<input type="checkbox"/>	<input type="checkbox"/>
• Communication	<input type="checkbox"/>	<input type="checkbox"/>
• Preempt	<input type="checkbox"/>	<input type="checkbox"/>
10.2. IF the controller alarm is classified as Critical, mark if the following features are provided:	Yes	No
• Power failure	<input type="checkbox"/>	<input type="checkbox"/>
• Stop time	<input type="checkbox"/>	<input type="checkbox"/>
• Local flash	<input type="checkbox"/>	<input type="checkbox"/>
• MMU flash	<input type="checkbox"/>	<input type="checkbox"/>
• Cycle failure	<input type="checkbox"/>	<input type="checkbox"/>
10.3. IF the controller alarm is classified as Non-Critical, mark if the following features are provided:	Yes	No
• External start	<input type="checkbox"/>	<input type="checkbox"/>
• Uninterruptible Power Supply (UPS) Low battery	<input type="checkbox"/>	<input type="checkbox"/>
• Cabinet door open	<input type="checkbox"/>	<input type="checkbox"/>
• Cabinet Fan out	<input type="checkbox"/>	<input type="checkbox"/>
• Local override	<input type="checkbox"/>	<input type="checkbox"/>

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FORM C2 – PHASE 1 BENCH TEST

10. – Alarms

10.4. IF the controller provides detector fault alarms, mark if the following features are provided:

- | | Yes | No |
|------------------------|--------------------------|--------------------------|
| • No activity fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Max presence fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Erratic count fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Communications fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Configuration fault | <input type="checkbox"/> | <input type="checkbox"/> |

10.5. IF the controller provides detector fault alarms, mark if the following features are provided:

- | | Yes | No |
|------------------------|--------------------------|--------------------------|
| • Cycle fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Coordination fault | <input type="checkbox"/> | <input type="checkbox"/> |
| • Coordination failure | <input type="checkbox"/> | <input type="checkbox"/> |
| • Offset transitioning | <input type="checkbox"/> | <input type="checkbox"/> |
| • Coordination active | <input type="checkbox"/> | <input type="checkbox"/> |
| • Local free | <input type="checkbox"/> | <input type="checkbox"/> |

10.6. IF the controller alarm is classified as Communications,

mark if the following features are provided:

- | | Yes | No |
|--------------------------------------|--------------------------|--------------------------|
| • System communication failure | <input type="checkbox"/> | <input type="checkbox"/> |
| • Peer-to-peer communication failure | <input type="checkbox"/> | <input type="checkbox"/> |

10.7. IF the controller alarm is classified as Preempt,

mark if the following features are provided:

- | | Yes | No |
|------------------------|--------------------------|--------------------------|
| • Preempt input active | <input type="checkbox"/> | <input type="checkbox"/> |

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FORM C2 – PHASE 1 BENCH TEST

10. – Alarms

	Yes	No
10.8. Does the software log all alarms?	<input type="checkbox"/>	<input type="checkbox"/>
10.9. Does the software allow for the configuration of alarms to the messages that will be transmitted to the Central Traffic Control Software?	<input type="checkbox"/>	<input type="checkbox"/>

11. – Communications

	Yes	No
11.1. Does the controller simultaneously support both Controller-to-Central Traffic Signal Control Software and P2P between local controllers?	<input type="checkbox"/>	<input type="checkbox"/>
11.2. Does the controller simultaneously support center-to-field communications through the following interfaces? <ul style="list-style-type: none">• 10100 Ethernet RJ45 connector• EIA/TIA 232-E compliant 9-pin connector• FSK modem	<input type="checkbox"/>	<input type="checkbox"/>
11.3. Is the controller able to be polled every one second? Does the controller support the request to download all data from the Central Traffic Signal Control Database to the controller through the front panel?	<input type="checkbox"/>	<input type="checkbox"/>
11.4. Does the controller support receipt of a Traffic Control System Time Broadcast for setting the clock?	<input type="checkbox"/>	<input type="checkbox"/>
11.5. Does the controller support File Transfer Protocol (FTP) for uploading and downloading files?	<input type="checkbox"/>	<input type="checkbox"/>
11.6. Does the controller comply with NTCIP 2202:2001 Internet (TCP/IP and UDP/IP) Transport Profile?	<input type="checkbox"/>	<input type="checkbox"/>
11.7. Does the controller provide the ability to ping at least [4] network devices simultaneously and show success or fail and latency in millisecond?	<input type="checkbox"/>	<input type="checkbox"/>
11.8. Does the controller support upload/download of all front-panel programmable data within one minute with direct IP connection using NTCIP protocol to a desktop computer or a laptop?	<input type="checkbox"/>	<input type="checkbox"/>
11.9. Can the Controller Ethernet interface withstand an Address Resolution Protocol (ARP) Storm, Denial of Service (DoS or DDoS) attack and a MAC spoofing attack of any size and duration without causing the controller to go into flash or effect any of the primary traffic control functions other than communication to the Central Traffic Control system or to other controllers?	<input type="checkbox"/>	<input type="checkbox"/>

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FORM C2 – PHASE 1 BENCH TEST

11. – Communications

	Yes	No
11.10. Is the MAC address of the controller network interface card unique?	<input type="checkbox"/>	<input type="checkbox"/>
11.11. Is the MAC address of the controller network interface card printed on a serial number label affixed to the controller enclosure?	<input type="checkbox"/>	<input type="checkbox"/>
12.7. Can the controller communicate with NextPhase via P2P to exchange the following information?		
• Phase status	<input type="checkbox"/>	<input type="checkbox"/>
• Detector calls	<input type="checkbox"/>	<input type="checkbox"/>
• Preemption status	<input type="checkbox"/>	<input type="checkbox"/>
• Priority status	<input type="checkbox"/>	<input type="checkbox"/>
• Special functions	<input type="checkbox"/>	<input type="checkbox"/>
• Alarm inputs	<input type="checkbox"/>	<input type="checkbox"/>

APPENDIX C

FORM C3 – PHASE 2 BENCH TEST

8.7 – Transit Signal Priority

	Yes	No
8.7.2. Does the software allow for the ability to extend a dedicated transit priority phase green by a pre- determined time for up to [90] seconds?	<input type="checkbox"/>	<input type="checkbox"/>
8.7.3. Does the software provide the ability to truncate selected non-priority phases to a predetermined value when a transit priority call is received while the intersection is in a phase other than the priority phase?	<input type="checkbox"/>	<input type="checkbox"/>
8.7.4. Does the controller stay in coordination while truncating/extending/omitting phases for a transit priority call?	<input type="checkbox"/>	<input type="checkbox"/>
8.7.6. Does the controller provide a queue jump indication for a transit vehicle before the adjacent vehicles receive a green indication?	<input type="checkbox"/>	<input type="checkbox"/>
8.7.7. Does the software have the ability to switch to alternate sequences to better serve an early arriving transit vehicle?	<input type="checkbox"/>	<input type="checkbox"/>

8.8 – Peer-to-peer Communication

	Yes	No
8.8.1. Does the software support peer-to-peer communication between any other controller within its network?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.2. Does the software allow the user to assign a minimum of [8] peer controllers?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.3. Are peer controllers configurable by the user via the controller front panel?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.4. Does the software allow the user to select peer controllers by entering intersection identification and/or IP addresses?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.5. Does the software allow the user to select any peer controller's input, output, or event data to initiate a p2p message which can be received by the local controller?	<input type="checkbox"/>	<input type="checkbox"/>
Do the available p2p messages include the following?		
• Phase Green, Phase Yellow, Phase Red	<input type="checkbox"/>	<input type="checkbox"/>
• Ped Walk, Ped Clearance, Ped DontWalk	<input type="checkbox"/>	<input type="checkbox"/>
• Overlap Green, Overlap Yellow, Overlap Red	<input type="checkbox"/>	<input type="checkbox"/>
• Overlap Ped Walk, Overlap Ped Clearance, Overlap Ped DontWalk	<input type="checkbox"/>	<input type="checkbox"/>
• Vehicle Detector, Ped Detector, Priority Detector	<input type="checkbox"/>	<input type="checkbox"/>
• Preempt Call, Preempt Actuation, Preempt Entry, Preempt Dwell, Preempt Exit	<input type="checkbox"/>	<input type="checkbox"/>
• Special Functions, Auxiliary Functions, Alarm Inputs	<input type="checkbox"/>	<input type="checkbox"/>
• Active Plan, Active Priority	<input type="checkbox"/>	<input type="checkbox"/>

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FORM C3 – PHASE 2 BENCH TEST

8.8 – Peer-to-peer Communication

	Yes	No
8.8.6. Does the user have the ability to assign an internal control to the receiving controller upon the receipt of a p2p message from its peer controllers? Does the software allow for the following internal control functions?	<input type="checkbox"/>	<input type="checkbox"/>
	Yes	No
• Phase Call, Ped Call, Overlap Call	<input type="checkbox"/>	<input type="checkbox"/>
• Vehicle Detector, Ped Detector, Priority Detector	<input type="checkbox"/>	<input type="checkbox"/>
• Special Function, Auxiliary Functions, Alarm Inputs	<input type="checkbox"/>	<input type="checkbox"/>
• Phase Hold, Phase Omit, Ped Omit, Walk Hold	<input type="checkbox"/>	<input type="checkbox"/>
• Force Off, Ped Recycle	<input type="checkbox"/>	<input type="checkbox"/>
• Min Recall, Walk Rest, Free	<input type="checkbox"/>	<input type="checkbox"/>
• Overlap WalkHold, Overlap PedOmit	<input type="checkbox"/>	<input type="checkbox"/>
8.8.7. Does the active peer link communication status (Success or Fail) update on the TransSuite TCS ATMS Map on a second-by-second basis?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.8. Does the software display the status of all active peer connections between the local controller and peer controllers? Is the format similar to that shown within the specs?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.9. Does the software actively display the current status of all peer messages that are actively being sent/received to and from the controller? Is the format similar to that shown within the specs?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.10. Does the software allow the user to assign priority request (check-in) and priority release (check-out) detector inputs to each transit priority phase? Does the software allow the user to reverse detector inputs for transit detectors check-in/check-out?	<input type="checkbox"/>	<input type="checkbox"/>
8.8.11. Does the software provide a delay timer for priority request detector and priority release detector?	<input type="checkbox"/>	<input type="checkbox"/>

Miscellaneous Features

	Yes	No
12.1. Does the software provide web access to the controller database?	<input type="checkbox"/>	<input type="checkbox"/>
4.6. Does the software allow for dynamic pin configuration?	<input type="checkbox"/>	<input type="checkbox"/>

APPENDIX C

Form C4 – FIELD TEST LOG

1. Field Testing Controller Setup

Fields shall be checked off when databases have been set up and tested successfully in the shop environment for at LEAST **[48]** hours and installed in the field cabinet.

Control Database 1	Control Database 2	Control Database 3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Peer Setup Configuration and Testing

	Intersection Name	IP Address	Peer Communication Check			
			Peer 1		Peer 2	
			Pass	Fail	Pass	Fail
Controller 1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Controller 2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Controller 3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. TransSuite Verification

Did the controller connect successfully to the Central Control System?	
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>

