Attachment A – Submittal and Compliance Forms, Form A1 and A2
FORM A1: Controller Submittal Form

VENDOR NAME:
PRODUCT:
CONTROLLER:
HARDWARE:
SOFTWARE:

NOTE: OFFEROR SHALL SUBMIT A COMPLETE PACKAGE CONSISTING OF ALL ITEMS (HARDWARE AND SOFTWARE) PER SCOPE OF WORK FOR TESTING WITH THE BID. INCOMPLETE PACKAGES CONSISTING OF ONLY HARDWARE OR ONLY SOFTWARE WILL NOT BE TESTED.

- Failure to provide the controller with the offer may result in rejection of the Offer for non-responsiveness.

- The controller to be tested shall be a TS-2 Type 2 controller that has both A, B, & C connectors (for a NEMA TS-1 cabinet) and the SDLC connector used in a NEMA TS-2 Type 1 cabinet.

SUBMITTAL CHECKLIST:

Controller Installation Manual	☐
Controller Hardware and Software Specifications	☐
Letter from Transcore ITS LLC	☐
Specifications Compliance Form (Form A2)	☐

VENDOR CONTACT FOR TESTING SUPPORT:

Name:

Phone

Email:

SUBMITTED BY (Authorized Signatory):

Signature

_____

Title

_____

FORM A2: Specifications Compliance Form

1)   **General:**

Complies with: Yes   No

1.1   (a)   NEMA TS2-2003 VO2.06   ☐   ☐

                (b)   NTCIP   ☐   ☐

Explain: _____

                              _____

1.2   (a)   NEMA TS2-2003 VO2.06 Section 2   ☐   ☐

                       (Environmental Design & Operating Standards)

Explain: _____

                              _____

1.3   Minimum 100 Installations   ☐   ☐

Approximate # of Installations   _____

Reference:	Company Contact Name:	Phone Number:	E-Mail:	# of Installations
1				
2				
3				
4				
5				

Note: (i) For Controller with 100 or more installations 3 Agency contacts are required, from amongst the top 5
        Agencies with most installations.
    (ii) For controllers with less than 100 installations a minimum of 5 references are needed.

1.4   Transcore ITS, LLC Letter   ☐   ☐   ☐
           (Attach Letter with Submittal) Explain:

		Yes	No	N/A

1.5   Operates in NEMA TS2 Type 2 Cabinet   ☐   ☐   ☐

Explain: _____

_____

1.6   Field-to-Center Communication Speed
(a)   10/100 Ethernet   ☐   ☐   ☐
(b)   Gigabit Ethernet   ☐   ☐   ☐

Explain: _____

_____

1.7   Integrated Ethernet Switch   ☐   ☐   ☐
(a)   Hot Pluggable   ☐   ☐   ☐

1.8   (a)   Database Stored in Non-Volatile Memory   ☐   ☐   ☐
(b)   Database Stored in Volatile Memory   ☐   ☐   ☐

Exceptions:

1)
2)
3)
4)

2)   Hardware: Yes   No   N/A

2.1   (a)   Aluminum Enclosure   ☐   ☐   ☐
(b)   Shelf-Mounted   ☐   ☐   ☐

Explain: _____

_____

2.2   List Additional Modular Hardware that is part of the Controller Package

(i)   _____   _____
(ii)
(iii)   _____   _____

2.3   (a)   1/0 Connectors, Fuse Holder, Display, on the Front Panel   ☐   ☐   ☐
(b)   External Power Switch   ☐   ☐   ☐
(c)   Poly-vinyl and Water Resistant Keys   ☐   ☐   ☐

2.4   (a)   Minimum Required Memory   Yes   No   N/A
(i)   16 MB Flash Memory   ☐   ☐   ☐

(ii)	64 MB SDRAM ☐		☐	☐	☐
(iii)	1 MB Non-volatile SRAM		☐	☐	☐
(b)	Expandable Memory				
(i)	64 MB Flash Memory		☐	☐	☐
(ii)	128 MB SDRAM		☐	☐	☐
(iii)	2 MB Non-volatile SRAM		☐	☐	☐

		Yes	No	N/A
2.5	Controller Engine Board and CPU	Yes	No	N/A
(a)	Complies with ATC Standard Ver. 5.2b	☐	☐	☐
(b)	Other ATC Standard Ver.	☐	☐	☐

2.6	Display Screen 16 lines, 40 Characters	☐	☐	☐

2.7   (a)   Number of Ethernet Ports: _____

(b)   Ethernet Ports Speed

(i)   100 Base-T/Gigabit/Other   _____

(ii)   100 Base-T/Gigabit/Other   _____

(iii)   100 Base-T/Gigabit/Other   _____

(iv)   100 Base-T/Gigabit/Other   _____

(c)	Independent Programmable Subnets	☐	☐	☐

2.8   (a)   Number of High Sped USB 2.0 Ports   _____

(b) Transfer Controller Database from a FAT Formatted USB Drive		☐	☐	☐

2.9   (a)   Number of Serial Interface Points   _____

(b)   Serial Ports Comply with

(i)	ATC Standard 5.2b	☐	☐	☐
(ii)	ATC Standard _____	☐	☐	☐

2.10   (a)   Number of SDLC Capable Serial Ports _____

3) Operating System

3.1　Operating System:

		Yes	No	N/A
(i)	LINUX O/S	☐	☐	☐
(ii)	Other			
(iii)	KERNEL Version			
(iv)	POSIX Libraries & POSIX 1003 1b Application Support	☐	☐	☐

Explain:

3.2　OS Can be Updated from

(i)	Ethernet	☐	☐	☐
(ii)	Serial	☐	☐	☐
(iii)	USD	☐	☐	☐

3.3　OS Access

(i)	FTP	☐	☐	☐
(ii)	TelNet	☐	☐	☐
(iii)	SSH)	☐	☐	☐
(iv)	Password Encryption	☐	☐	☐
(v)	Password Enabled by Department	☐	☐	☐
(vi)	Enable/Disable Access	☐	☐	☐

3.4　ATC Application Level Hardware Access

(a)	BSP Package	☐	☐	☐