CITY OF PORTLAND
CONTRACT NO. 30001560
AMENDMENT NO. THREE (3)

FOR

CENTRAL TRAFFIC SIGNAL SYSTEM REPLACEMENT

This Amendment, made and entered into this fourth day of October, 2010, by and between TransCore ITS, Inc., hereinafter called Contractor, and the City of Portland, a municipal corporation of the State of Oregon, by and through its duly authorized representatives, hereinafter called City.

1. The Contract is hereby amended to incorporate the changes as identified in Work Order #9 for central traffic signal system replacements as attached hereto for a total amount not to exceed $76,977.00. Additional traffic signal system maintenance work was required for this project for an additional cost of $9,843.41 for a total contractual amount not to exceed $1,048,631.25.

2. All other terms and conditions remain unchanged.

TRANSCORE ITS, INC.
BY:

_____

Travis White, Senior Associate   Date

Address: 3500 Parkway Lane, Suite 600
                      Norcross, GA   30092-2832
Telephone No.   770-246-6242

CITY OF PORTLAND
BY:

Approved as to form **APPROVED AS TO FORM**
Benjamin Walters
CITY ~~CHIEF DEPUTY CITY ATTORNEY~~   11/5/10

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Christine Moody, Chief Procurement Officer   Date

Exhibit A
Statement of Work and Delivery Schedule

Central Traffic Control System Replacement, City of Portland

	Agency's Project Manager		Contractor's Project Manager (PM)
Name:	Willie Rotich, P.E	Name:	William L. Skillas, P.E.
Address:	City of Portland 1120 SW 5th Ave, Suite 800 Portland, OR 97204	Address:	TransCore 192 Technology Parkway, Suite 500 Norcross, GA 30092
Phone:	503-823-7679	Phone:	770-246-6242
Email:	willie.rotich@portlandoregon.gov	Email:	william.skillas@transcore.com

WOC OVERVIEW

This task will enhance existing features in the City of Portland TransSuite® Traffic Control System (TCS). The enhancements shall include modifications to the TCS Management User Interface (MUI), Unified Controller Manager (UCM), Arterial Traffic Management System (ATMS) Map, ATMS Explorer, and the Central Communication Server (CCS).

STATEMENT OF WORK

TASK 1 – Obtain the Controller version information from the local software.

Contractor shall modify the existing UCM to upload the first 255 bytes of the local software version information from the Northwest Signal Voyage (Voyage) controller. Contractor shall add this information to the UCM screens for the Voyage controller as well as to the Jasper reports. This information will also be displayed in the Intersection Detailed Info tab of the TransSuite TCS MUI.

Deliverables:

- Contractor shall provide updated UCM software that meets these requirements. The updated software will be provided via a regular system update using the remote VPN connection.

Assumptions:

- The Voyage controller supports the use of the AB3418 Get Controller Identification command.

ACCEPTANCE:

This task will be considered complete once the UCM can be demonstrated to upload and print the Controller Version information from the Voyage controller.

TASK 2 – Add support for Flashing Yellow Left Turn Arrow (FYLTA) for local controller software

Contractor shall modify the TCS MUI and ATMS Explorer to simulate the FYLTA status based on the traffic controller's FYLTA Enable mode for a pair. The TCS MUI will display a flashing yellow ball and the ATMS Explorer will display a flashing yellow arrow for the odd phase of a pair when the even phase is displaying green.

Deliverables:

- Contractor shall provide updated TransSuite TCS software that meets this requirement. The updated software will be provided via a regular system update using the remote VPN connection.
- Contractor shall provide Agency with documentation on the configuration of the ATMS Explorer documents to incorporate the FYLTA behavior.

Assumptions:

- Agency will be responsible for updating individual ATMS Explorer documents to incorporate the FYLTA behavior.

ACCEPTANCE:

This task will be considered complete once the TransSuite TCS MUI and ATMS Explorer can be demonstrated to display the FYLTA Controller based on information from the Voyage controller.

TASK 3 – Upload Controller Logs from NWS Voyage Controller

Contractor shall modify the existing UCM to upload, report and print log data from the NWS Voyage controller. The data to be uploaded shall be:

- Schedule A
- Schedule B
- Schedule C
- Schedule R
- MOE
- Volume
- Transit

Deliverables:

- Contractor shall provide updated UCM software that meets these requirements. The updated software will be provided via a regular system update using the remote VPN connection.

Assumptions:

- The NWS Voyage controller supports the use of NTCIP to upload the specified logs from the controller using the specification in the NWS Voyage MIB file (NWSS 3.2.1.mib – revised 12/14/2009).
- NWS modifies the NWS Voyage controller firmware to support interleaved AB3418E and NTCIP commands. Note that this is a hard requirement. If NWS cannot or does not perform this modification, TransSuite UCM will NOT be able to upload the data per this mechanism.

ACCEPTANCE:

This task will be considered complete once the UCM can be demonstrated to upload and print the specified controller log data.

TASK 4 – Add UCM version number (UCM, not controller) to Jasper report headers

Contractor shall add the UCM version number to the appropriate Jasper report headers.

Deliverables:

- Contractor shall provide updated TransSuite TCS software that meets this requirement. The updated software will be provided via a regular system update using the remote VPN connection.

Assumptions:

- None

ACCEPTANCE:

This task will be considered complete once the UCM can be demonstrated to print the UCM version information.

SCHEDULE

Contractor shall complete the objectives, tasks, and deliverables identified in this WOC within (6) months of the notice to proceed (NTP) date.

COST

The total not to exceed (NTE) cost including all labor, travel and other expenses, hardware, software and licenses for this WOC shall be a fixed-price of **$76,977.00.**

METHOD OF COMPENSATION/INVOICES

Contractor shall be paid the fixed price (lump sum) amount as detailed above (Cost) in three (3) equal installments as shown in the following table, notwithstanding all general and performance warranties per Section V., *Payment* of Contract #34742.

Milestone	Invoice Amount	Cumulative Amount
Notice to Proceed	33%	33%
Delivery of prototype UCM screens to Portland	33%	66%
Acceptance	34%	100%