

Addendum No. 4

November 14, 2017

Roadside Toll Collection System (RTCS) Request for Proposals (RFP)

Triangle Expressway and Complete 540

Prospective Respondents: You are hereby notified of the following information in regard to the referenced RFP:

- Section A - Official revisions to the RTCS RFP

All other terms, conditions and requirements of the original RFP dated October 10, 2017 remain unchanged unless modified by this addendum, or previous addenda to this RFP.

Note that all changes to requirements are reflected as redlines to Section III Scope of Work and Requirements and also apply to Exhibit D-6, Requirements Conformance Matrix. The Requirements Conformance Matrix will be updated once all questions have been received.

A. REVISIONS (Deletions are shown in red text strikeout mode and additions are in red text and underlined)

1. Replace the “**Proposal Due Date** ~~December 21, 2017~~” on the cover page of the RFP in its entirety with “**Proposal Due Date** January 18, 2018”.
2. Section I, Section 2.1 Schedule, page 7 of 19 (13 of 316 in original RFP PDF file) has been revised as follows:

Table I-1 Procurement Schedule

Event or Due Date	Date
RFP Issued	October 10, 2017
Mandatory Pre-Proposal Scope of Services Meeting Mandatory Triangle Expressway Site Visit	October 24, 2017 (2:00 p.m. to 4:00 p.m. EDT) October 25, 2017 (8:00 a.m. to 12:00 p.m. EDT)
Proposer Questions Due	November 13²⁷ , 2017 (4:00 p.m. EDST)
NCTA Responses to all Questions Completed	November 28 <u>December 19</u> , 2017
Proposals (Technical and Price) Due	December 21, 2017 <u>January 18, 2018</u> (4:00 p.m. EDST)
Notification of Proposers Shortlisted for Oral Presentations	January 19 <u>February 9</u> , 2018
Oral Presentations (Proposers to be notified as to the specific schedule within the time period identified)	Week of February 12 <u>March 5</u> , 2018

Ranking of Proposers for Negotiations	February <u>March</u> 2018
Award of Contract	April 2018
Notice to Proceed	April <u>May</u> 2018

3. Exhibit A Project Implementation Schedule has been revised as follows.

Exhibit A - Project Implementation Schedule		
Major Milestone Description	Projected Start	Projected End
Notice to Proceed	4/16 <u>5/7</u> /2018	--
Project Kickoff Meeting	4/30 <u>5/21</u> /2018	--
Project Planning Documentation (Project Schedule, Project Management Plan, Master Test Plan)	Apr. <u>May</u> 2018	May <u>Jun.</u> 2018
System Design (Triangle Expressway (TriEx) and the Complete 540 (C540))		
Requirements Review / Business Rules Workshops	May <u>Jun.</u> 2018	Jun <u>Jul.</u> 2018
Reports Design Workshops	Jun <u>Jul.</u> 2018	Jun <u>Aug.</u> 2018
System Detailed Design Review		Jun <u>Aug.</u> 2018
Bill of Materials		Jun <u>Aug.</u> 2018
Third Party Hardware and Software Documentation Submitted		Jun <u>Aug.</u> 2018
Draft System Detailed Design Document (SDDD) Approved		Jul <u>Aug.</u> 2018
Final System Detailed Design Document (SDDD) Submitted		Aug <u>Sep.</u> 2018
RTCS Installation Design and Documentation Package Approved		Aug <u>Sep.</u> 2018
<u>Intelligent Transportation System (ITS) Implementation</u>		
<u>Triangle Expressway ITS Equipment Refresh</u>	Aug. 2018	Jan. 2019
<u>Morrisville Parkway Interchange ITS Implementation</u>	Aug. 2019	Sep. 2019
<u>Complete 540 ITS Implementation</u>	Feb. 2021	Sep. 2022
<u>System Development, Installation and Test (TriEx)</u>		
Software Development	Jul <u>Aug.</u> 2018	Sep <u>Oct.</u> 2018
System Formal Demonstration		Sep <u>Oct.</u> 2018
System HW & SW Procurement	Aug <u>Sep.</u> 2018	Oct <u>Nov.</u> 2018
Factory Acceptance Test (FAT)	Oct <u>Nov.</u> 2018	Oct <u>Nov.</u> 2018
Final Installation Plan Approved		Oct <u>Nov.</u> 2018
Installation of Triangle Expressway - First Plaza	Oct 29 <u>Nov 26,</u> 2018	Nov 16 <u>Dec 14,</u> 2018
Onsite Installation Test (OIT)	Nov <u>Dec.</u> 2018	Jan. 2019 <u>Dec 2018</u>
NCTA Back Office Interface Test		Jan. 2019 <u>Dec 2018</u>
Installation and Commissioning Test	Jan. 2019 <u>Dec</u>	Jan. 2019 <u>Dec</u>

Exhibit A - Project Implementation Schedule		
Major Milestone Description	Projected Start	Projected End
	2018	2018
Maintenance Plan		Jan. 2019 Dec 2018
Training Complete		Jan. 2019 Dec 2018
Go-Live – First Plaza		Jan. 2019 Dec 2018
Remaining Installations on Triangle Expressway:	Jan. 2019	Jun Jul. 2019
Triangle Expressway - Second Plaza	Jan. 230, 2019	Jan.-18 Feb. 15, 2019
→ Installation and Commissioning Test		Jan Feb. 2019
Triangle Expressway - Third Plaza	Jan Feb. 2019	Feb Mar. 2019
→ Installation and Commissioning Test		Feb Mar. 2019
Triangle Expressway - Fourth Plaza	Feb Mar. 2019	Feb Apr. 2019
→ Installation and Commissioning Test		Mar Apr. 2019
Triangle Expressway - Fifth Plaza	Mar Apr. 2019	Mar Apr. 2019
→ Installation and Commissioning Test		Mar May- 2019
Triangle Expressway - Sixth Plaza	Mar May- 2019	Apr May- 2019
→ Installation and Commissioning Test		Apr May- 2019
Triangle Expressway - Seventh Plaza	Apr May- 2019	May Jun. 2019
→ Installation and Commissioning Test		May Jun. 2019
Triangle Expressway – Eighth Plaza	May Jun. 2019	May Jul. 2019
→ Installation and Commissioning Test		May Jul. 2019
Triangle Expressway Go-Live Complete		6/4 5/11 2/2019
Installation of Morrisville Parkway and Interchange		
Installation of Morrisville Parkway and Interchange	Aug. 2019	Aug 2019
→ Installation and Commissioning Test		Sep. 2019
Morrisville Parkway and Interchange Go-Live Complete		10/1/2019
Final Testing and Phase Closeout (TriEx)		
Formal Operational and Acceptance Testing	6/4 5/11 2/2019	10/1 1/15/2019
As-Built System Detailed Design Document (SDDD) Approved		Oct Nov. 2019
As-Built Drawing Package Approved		Oct Nov. 2019
System Operations / Acceptance (Start of Maintenance Phase for TriEx)		Oct Nov. 2019
System Development, Installation and Test (Complete 540)		
Software Development	Jan. 2020	Mar. 2020
System Formal Demonstration		Apr. 2020
System HW & SW Procurement	May 2020	Oct. 2020
Factory Acceptance Test (FAT)	Nov. 2020	Dec. 2020
Final Installation Plan Approved		Jan. 2021
Installation of Complete 540 - First Toll Location	Feb. 2021	Feb. 2021
Onsite Installation Test (OIT)	Mar. 2021	Mar. 2021
NCTA CSC Back Office Interface Test		Apr. 2021

Exhibit A - Project Implementation Schedule		
Major Milestone Description	Projected Start	Projected End
Installation and Commissioning Tests (<i>Remaining C540 Toll Locations</i>)	Apr. 2021	Sep. 2022
Maintenance Plan		Oct. 2021
Training Complete		Nov. 2021
Complete 540 Go-Live (All Segments)		2022
Final Testing and Phase Closeout (C540)		
Formal Operational and Acceptance Testing	9/1/2022	11/15/2022
As-Built System Detailed Design Document (SDDD) Approved		Oct. 2022
As-Built Drawing Package Approved		Oct. 2022
System Operations / Acceptance (Start of Maintenance Phase for C540)		Nov. 2022