

Addendum No. 4

May 31, 2016

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

Monroe Expressway and US-74 Express Lanes

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

- Section A - Official log of Proposers' questions and NCTA's responses
- Section B - Official revisions to the RTCS RFP

All other terms, conditions and requirements of the original RFP dated April 14, 2016 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. QUESTIONS AND ANSWERS

Following are the answers to questions submitted in response to the above referenced RFP between Addendum 3 (issued May 18, 2016) and May 23, 2016. All of the questions have been listed in the order received by the North Carolina Turnpike Authority (NCTA).

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
#	Page	Section	Section Description	Proposer Question	NCTA Response
18.	Section IV, Page 1 of 20	Section IV, subsection 1.2	Section IV, Page 1 of 20, subsection 1.2 Content of Technical Proposal	Table 4-1 Proposal Page Limitations allocates a combined total 100 page limit for Proposal Sections 1 - 5. Given the requirements necessary to provide a complete and responsive proposal for each topic area, would NCTA consider increasing this combined total to 150 pages?	NCTA will not consider increasing the page limit for Proposal Sections 1 – 5.

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
#	Page	Section	Section Description	Proposer Question	NCTA Response
19.	Section IV, Page 18 of 20	Section IV, subsection 2.1.	Section IV, Page 18 of 20, subsection 2.1. Submission of Technical Proposal	<p>RFP Section IV - Proposal Contents and Submission, Paragraph 1.2. F: Proposal Section 4: Approach to Project Plan and Implementation (per Addendum 2): "Provide a Preliminary Implementation Project Schedule in MS Project Format." RFP Section IV, 2.1. Submission of Technical Proposal: "Any Proposal exhibits or information prepared either as graphics or with other programs such as scheduling programs shall be viewable in a *.pdf file without any other software required for Proposal review, with the exception of the Conformance Matrix which shall also be provided in Excel as further instructed below."</p> <p>Question: Please clarify the submittal instructions for this item. Our understanding is, we are to provide a print version of the schedule, a .pdf version as part of Proposal Section 7 on CD/DVD, and an MS Project-format file on CD/DVD. Is this understanding correct? Question: We suggest that the MS Project electronic file (.mpp) offers NCTA a better opportunity to review the schedule in detail than a printed version. Therefore will the Authority please consider allowing an MS Project-only submittal of the Preliminary Implementation Project Schedule or designating the MS Project submission as the "master" version for evaluation purposes?</p>	<p>Proposers are to submit the Preliminary Project Implementation Schedule according to the requirements in RFP Section IV, Section 1.2 Content of Technical Proposal. (F: Proposal Section 4: Approach to Project Plan and Implementation). Specifically, the Preliminary Project Implementation Schedule shall be developed in MS Project and submitted in PDF file format. NCTA requires the Preliminary Project Implementation Schedule to be delivered as a part of the Technical Proposal in hard copy, and as a part of the PDF file on CD/DVD. NCTA will not accept an MS Project file submittal for the as a part of the Technical Proposal.</p> <p>Reference Section B, Revisions for details.</p>

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
20.	Exhibit D-6, Page 21 & Attachment 9, Page 4	Exhibit/Form D-6 RCM, item 245 & Attachment 9	RCM Item 245 & Attachment 9 Item 54	Both requirements reference the term "posting dispositions." Please clarify the term.	NCTA will respond to this question in Addendum 5.
21.	Exhibit D-6, Page 14	Exhibit/Form D-6 RCM, item 159	RCM Item 159	Requirement: "The Transponder rate for passenger vehicles shall be displayed on the VTMS and all other price differentials will be conveyed via static signs." Question: Please clarify if the static signs are the same as VTMS signs.	The intent of the requirement is to require only the Transponder rate to be shown on the VTMS, while other price differentials (such as the "BILL BY MAIL" rate) will be indicated via static signs as illustrated in Attachment 8 – US-74 Signing Schematic where "BILL BY MAIL RATES HIGHER" is depicted statically.
22.	Exhibit D-6, Page 32	Exhibit/Form D-6 RCM, item 350 Section IV, subsection H	RCM Item 350. Manual Enforcement	Requirements: "ALPR readers to detect vehicles who are on the VEL." and "Handheld readers to verify Transponder data." Question: Is the expectation that these readers will be for mobile use in police vehicles? Are these readers provided by the same roadside AVI supplier (provided by others)?	NCTA will respond to this question in Addendum 5.

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
23.	Section IV, Page 16 of 20	Section IV, subsection H	RFP, Section IV – Proposal Contents and Submission, H. Proposal Section 6, Page 16 of 20	RFP Requirement: #4. The Proposer must submit its Proposal, including the Price Proposal, on the basis of the terms and conditions set out in Section V, Draft Contract. The NCTA may reject any Proposal that is conditioned on the negotiation of Terms and Conditions set out in Section V, Terms and Conditions or to other provisions of the RFP as specifically identified above.	NCTA will respond to this question in Addendum 5.
				#5. In Proposal Section 6, Proposers may identify and describe any key assumptions made related only to Section III, Scope of Work and Requirements. No assumptions regarding the Terms and Conditions of the Contract shall be included in the Proposal. Scope of Work and Requirements assumptions may be considered during the Proposal evaluation process at the sole discretion of NCTA.	
				#6. The Proposer must clearly identify any proposed exceptions to the Terms and Conditions in this Proposal Section 6, which will be considered in accordance with Section I, Administrative, Section 2.18 Contractual Obligations. The Contractor waives the right to raise new exceptions and alternatives during negotiations, however, any details not yet defined in the documents by NCTA may still be negotiated.	

Proposer Questions		North Carolina Turnpike Authority (NCTA)				
		#	Page	Section	Section Description	Proposer Question
					<p>Question: Item 4 above appears to indicate that taking exceptions to Terms & Conditions is grounds for proposal rejection. Item 5 above prohibits Proposers from including into the Proposal any assumptions regarding the Terms and Conditions of the Contract. Item 6 above directs proposers to clearly identify any proposed exceptions to the Terms and Conditions in this Proposal Section 6. Would the Authority please clarify these instructions and direct Proposers as to how to respond to them properly?</p>	
24.	Section IV, page 16 of 20	Section IV, subsection H	RFP, Section IV – Proposal Contents and Submission, H. Proposal Section 6, Page 16 of 20	<p>Requirement: The Proposer must submit its Proposal, including the Price Proposal, on the basis of the terms and conditions set out in Section V, Draft Contract.</p> <p>Question: Section V is Terms and Conditions, and no RFP document labeled "Draft Contract" has been published by the Authority. Please confirm that the above requirement was meant to reference Section V Terms and Conditions, which serves in place of a Draft Contract for the purposes of this RFP.</p>	<p>That is correct. The referenced requirement was meant to reference Section V, Terms and Conditions, not Section V, Draft Contract. Section IV – Proposal Contents and Submission, H. Proposal Section 6, (page 16 of 20) will be updated to reflect this language.</p> <p>Reference Section B, Revisions for details.</p>	

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
25.	Section IV, Page 1 of 20	Section IV, subsection 1.2	RFP, Section IV, Page 1 of 20, subsection 1.2 Content of Technical Proposal	Would the Authority consider excluding the table of contents, the table of tables and the table of figures from the 100-page limit for Proposal Sections 1-5?	<p>Yes. The Table of Contents, Table of Tables and Table of Figures are not part of Proposal Sections 1-5 and as such are excluded from the 100-page limit requirement.</p> <p>Reference Section B, Revisions for details.</p>
26.	Section IV, Page 13 of 20	Section IV, subsection F	RFP, Section IV, Page 13 of 20, subsection F (Proposal Section 4: Approach to Project Plan and Implementation)	<p>Requirement: "6. Specifically address what elements will be in place during the installation process to ensure timely communication and resolution of problems with NCTA's civil designer and contractor without the intervention of NCTA."</p> <p>Question: Will the Authority please define the term "element" in this context, and also clarify the Authority's expectation of the contractor?</p>	<p>By elements NCTA is referring to project management items such as processes, procedures, communications, meetings, issues tracking, and quality control to be put in place to ensure that the contractors will properly communicate and execute their responsibilities.</p> <p>The Authority expects that the two parties will act together to coordinate their responsibilities so that the toll system installation requirements are properly conveyed to the civil design team and that the ensuring design will allow for required toll system performance.</p> <p>Reference Section B, Revisions for details.</p>
27.	Section IV, Page 17 of 20	Section IV, subsection 1.2	RFP, Section IV, Page 17 of 20, subsection 1.2 Content of Technical Proposal, J. Proposal Appendices	Besides Appendices 1-4 mandated by the RFP, is it permissible to append to this section any other materials that we may deem essential to the our proposal?	It is not permissible to provide other materials in addition to those required to be submitted as a part of the Proposal.

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
28.	Section IV, Page 2 of 20	Section IV, subsection 1.2	RFP, Section IV, Page 2 of 20, subsection 1.2 Content of Technical Proposal, paragraph A. Cover Letter	<p>Requirement paragraph: "The cover sheet for the completed Proposal, provided as Exhibit D-1, Forms, shall be included within the Technical Proposal package submitted to NCTA, as directed in this Section 1.2 below."</p> <p>Question: Which specific and separate section of the Proposal should Exhibit D-1 Proposal Cover Sheet be a part of?</p> <p>If Exhibit D-1 is expected to be part of section A along with the cover letter itself, will it count towards the limit of 1-2 pages allocated to section A Cover Letter in Table 4-1 Proposal Page Limitations?</p>	<p>The cover sheet should be included at the front of the Technical Proposal. It is not subject to any of the page limitations. It will not be included in the limit of 1-2 pages for the cover letter.</p> <p>Reference Section B, Revisions for details.</p>
29.	Section III, page 14	RFP Section III – SOW	RFP Section III – SOW, Requirement 74	<p>"74 If more than one Transponder is present in a vehicle, the zone controller integrated with the AVI System shall meet the AVI accuracy Requirements for each Transponder. The Transponders shall be reported separately and transaction association rules shall be in accordance with the Approved Business Rules and Design."</p> <p>Question: Does the Authority acknowledge that physical constraints of some protocols may prevent the AVI system from meeting the AVI performance requirements when more than one transponder is present in a vehicle?</p>	<p>This section is focused on AVI System Integration of the Contractor-provided zone controller with the AVI System procured by the NCTA.</p> <p>While it is understood that not all protocols are expected to perform the same, the AVI Performance Requirements as stated are considered fair and reasonable. The transaction association rules shall be in accordance with the Approved Business Rules and Design, which will be reasonable in requiring multiple transponders to be reported and assigned based on reasonable real-world scenarios; therefore, the Requirement remains unchanged.</p>

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
30.	Section III, page 16	RFP Section III – SOW	RFP Section III – SOW, Requirement 100	Requirement: "100 The ICPS servers shall be separate from the zone controller servers." Question: Could the Authority please clarify the intent or objective which leads to this prescriptive requirement for physical separation between the TZC and ICPS?	Requirement 100 has been modified. Reference Section B, Revisions for details.
31.	Section IV, Page 18 of 20	Section IV, subsection 2.1 b.	RFP, Section IV – Proposal Contents and Submission, Page 18 of 20, subsection 2.1 b.	RFP Instruction: "Each volume and major section shall be a separate *.pdf file." Question: Please define "major section," so that Proposers would have a better idea as to how many individual .pdf files to break the technical proposal into?	The Technical Proposal may be submitted as a separate PDF file for each separate Proposal Section (as shown in Table 4-1). Reference Section B, Revisions for more details.
32.	Section III, page 216	Section III - SOW	RFP Section III - SOW, requirement 1484	Requirement: "For any month in which 100% of the image transactions are transmitted in accordance with the Approved ICD to the Back Office, the Contractor shall be assessed 1.0 point for each 0.1% or portion thereof below the Performance requirement." Question: This requirement appears to be in error. We believe the phrase "100% of the image transactions are transmitted in accordance" is meant to say "are NOT transmitted in accordance." Please confirm.	Correct, requirement 1484 has been revised. Reference Section B, Revisions for details.

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
#	Page	Section	Section Description	Proposer Question	NCTA Response
33.	Section III - SOW, Page 7 and 27	RFP Section III - SOW	RFP Section III - SOW, Equipment Cabinets/Enclosures item 18 and Zone Controller Hardware item 212	Requirement 18: "All in-lane Equipment controllers and RTCS electronics, devices, servers and associated communications Equipment shall be installed inside environmentally controlled Equipment cabinets at the roadside or inside the vault at each Tolling Location depending on the type of Toll Facility and according to a layout Approved by the NCTA. The Contractor shall purchase and install the cabinets in accordance with the Requirements of this section." Requirement 212: "The zone controllers shall be hardened, industrial grade servers and the processor speed and memory shall be sufficient to process vehicles in real time to meet the traffic speed and volumes as specified in this Scope of Work and Requirements." Question: Since the servers will be installed in HVAC-controlled cabinets/vaults, what is the need for "hardened, industrial grade servers?"	While the zone controllers are to be protected in the environmentally controlled Equipment cabinets or inside the equipment vault, they still need to be hardened and industrial grade due to the expected operating environment and expected life-cycle; therefore, the requirement remains as stated.

Proposer Questions		North Carolina Turnpike Authority (NCTA)			
		#	Page	Section	Section Description
34.	Section III – SOW, page 40	Section III - SOW	RFP Section III SOW, Req 317 Uninterruptible Power Supply (UPS)	Requirement 317: "At Tolling Locations without generators (Express Lane facilities), the power shall switch to the UPS for a minimum of eight (8) hours..." Question: Since the US-74 project is not currently expected to have generators, the requirement is for 8 hours of battery backup. Would NCTA consider either adding generators to each site or reducing the 8-hour backup requirement to two hours? For the cost of the initial investment in batteries, a generator of sufficient size could also be purchased.	Requirement 317 has been revised. Reference Section B, Revisions for details.
35.	Attachment 2, page 21	Attachment 2, item requirement 4.1.1	Attachment 2 US-74 Express Lanes ConOps, 4.1.1. Civil Infrastructure to Support RTCS	Section 4.1.1 "The deletion of the building, pull off, generator and fuel tank will result in substantial cost savings" Question: Since there is no pull-off for the toll location, is the expectation that maintenance will only occur during the reversible switchover periods?	Yes, the expectation is that the Maintenance should be performed during the transition time.

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

1. Section III, Scope of Work and Requirements, Section 1.2.7.3. Image Capture & Processing Systems (ICPS), Requirement 100 on page 16 of 219 (65 of 331 in original RFP PDF file) - Edit as follows:

The ICPS servers ~~shall~~ may be separate from the zone controller servers.
2. Section III, Scope of Work and Requirements, Section 1.2.14 Uninterruptible Power Supply (UPS), Requirement 317 on page 40 of 219 (89 of 331 in original RFP PDF file) - Edit as follows:

The UPS shall support the RTCS at each Tolling Location for a minimum of one (1) hour for AET facilities. When there is loss of power to the Tolling Location, the power will switch to the generator if there is a generator at the Tolling Location. At Tolling Locations without generators (Express Lane facilities), the power shall switch to the UPS for a minimum of ~~three-eight~~ (83) hours, and prior to full power shutdown, the System shall initiate a graceful shutdown of the servers/computers.
3. Section III, Scope of Work and Requirements, Section 7.4.2 US-74 Express Lanes, first paragraph on page 199 of 219 (248 of 331 in original RFP PDF file) - Edit as follows:

Final Design of the ITS is currently underway. This Project will be a traditional design-bid-build procurement ~~let no earlier than November 2016. As such, and the~~ finalized specifications for the ITS will ~~not~~ be provided as soon as they are made available ~~before August 2016 at the earliest~~. While many of the details of the ITS Equipment to be provided can be assumed to be consistent with that provided for the Monroe Expressway Project there are some important differences including the use of a gate control System for reversible lane Operations which is described in greater detail in **Attachment 2 (US-74 Express Lanes, Concept of Design & Operations, dated October 6, 2015)**.
4. Section III, Scope of Work and Requirements, Section 8.2.9 Image Transaction Complete and Timely Transmission, Requirement 1484 on page 216 of 219 (265 of 331 in original RFP PDF file) - Edit as follows:

For any month in which 100% of the image transactions are not transmitted in accordance with the Approved ICD to the Back Office, the Contractor shall be assessed 1.0 point for each 0.1% or portion thereof below the Performance requirement.

5. Section IV, Section 1.2 Content of Technical Proposal, Table 4 – 1 on page 1 of 20 (271 of 331 in original RFP PDF file) - Edit as follows:

Proposal Sections to be Completed by a Proposer	Page Count Limitations
Cover Letter	1 to 2 pages
Executive Summary	2 to 5 pages
Section 1: Firm Qualifications	Limited to a combined total of 100 printed pages <u>(excluding all table of contents, table of tables, or table of figures)</u>
Section 2: Key Team Qualifications	
Section 3: Approach to Scope of Work and Requirements	
Section 4: Approach to Project Plan and Implementation	
Section 5: Approach to Operations and Maintenance	
Section 6: Adherence to the Scope of Work and Requirements Conformance Matrix	No limitations
Section 7: Other Required Materials	No limitations
Price Proposal	No limitations
Appendix 1: Hardware Cut Sheets	No limitations
Appendix 2: Audited Financial Statements	No limitations
Appendix 3: Preliminary Bill of Materials (BOM)	No limitations
Appendix 4: Sample Reports	No Limitations

6. Section IV, Section 1.2 Content of Technical Proposal, paragraph 2 on page 2 of 20 (272 of 331 in original RFP PDF file) - Edit as follows:

The Technical Proposal shall be submitted in the format shown below. The cover sheet for the completed Proposal, provided as Exhibit D-1, Forms, shall be included at the front of within the Technical Proposal package submitted to NCTA, as directed in this Section 1.2 below. The cover sheet is not subject to the page limitations.

7. Section IV, Section 1.2 Content of Technical Proposal, F. Approach to Project Plan and Implementation, #2 on page 12 of 20 (282 of 331 in original RFP PDF file) - Edit as follows:

2. Provide a Preliminary Project Implementation Schedule in that has been developed using MS Project and submitted in PDF file format that meets the schedule guidelines set forth above and is based on the Exhibit A, Project Implementation Schedule.

8. Section IV, Section 1.2 Content of Technical Proposal, F. Approach to Project Plan and Implementation, #6 on page 14 of 20 (283 of 331 in original RFP PDF file) - Edit as follows:

Specifically address what elements, such as processes, procedures, communications, meetings, issues tracking, and quality control will be in place during the installation process to ensure timely communication and resolution of problems with NCTA's civil designer and contractor without the intervention of NCTA.

9. Section IV, Section 1.2 Content of Technical Proposal, H. Proposal Section 6: Adherence to the Scope of Work and Requirements, Terms and Conditions and Requirements Conformance Matrix, paragraph 4 on page 16 of 20 (Page 286 of 331 in original RFP PDF file) - Edit as follows:
 4. The Proposer must submit its Proposal, including the Price Proposal, on the basis of the terms and conditions set out in Section V, ~~Draft-Contract~~ Terms and Conditions. The NCTA may reject any Proposal that is conditioned on the negotiation of Terms and Conditions set out in Section V, Terms and Conditions or to other provisions of the RFP as specifically identified above.

10. Section IV, Section 2.1 Submission of Technical Proposal, I. Form of Technical Proposal, #b on page 18 of 20 (288 of 331 in original RFP PDF file) - Edit as follows:
 - b. The electronic copy shall be provided in *.pdf format. All sections listed in Table 4-1 (Cover Letter, Executive Summary, Proposal Sections 1 – 7, and Appendices) ~~Each volume and major section~~ shall be a separate *.pdf file. Any Proposal exhibits or information prepared either as graphics or with other programs such as scheduling programs shall be viewable in a *.pdf file without any other software required for Proposal review, with the exception of the Conformance Matrix and the Price Proposal, which shall also be provided in Excel ~~as further instructed below~~.