



**Date of Issuance:** 7/29/20

**Solicitation No.** 3450004917

**Requisition No.** 3450032402

**Amendment No.** 1

Hour and date specified for receipt of offers is changed:  No  Yes, to: \_\_\_\_\_ CST

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

Sign and return a copy of this amendment with the solicitation response being submitted; or,

If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date in the subject line of the email.

**ISSUED FROM:**

Cheryl Emerson  
Contracting Officer

405-628-3318  
Phone Number

cemerson@odot.org  
E-Mail Address

**RETURN TO:** [cemerson@odot.org](mailto:cemerson@odot.org) in Solicitation Response

**Description of Amendment:**

a. This is to incorporate the following:

QUESTIONS AND ANSWERS (SEE ATTACHED).

b. All other terms and conditions remain unchanged.

\_\_\_\_\_  
Supplier Company Name (**PRINT**)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Representative Name (**PRINT**)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Authorized Representative Signature

QUESTIONS AND ANSWERS

Questions for Exhibit 1 Specifications

1. On page 2 of 8, lines 6 to 10, under Data Collection and Systems Validation –
  - c. Daily monitoring of up to 150 permanent traffic monitoring stations.
  - d. Daily review of collected data for the purpose of assessing the data recording equipment, equipment operability, data completeness and validity of collected data.
  - e. Provide timely submission of collected data extracted from the radar units as required for import into ODOT database and analysis by ODOT if required by ODOT staff.

**Question 1a: These requirements ask for daily monitoring of the sites and data collection, how do these fit into the payment items in Exhibit 2 as below? The payment item has 3 lists: installation of server, installation of modem, and monthly cost of modem fee, but does not have a line item for daily site monitoring and data collection service or “Data Collection and Systems Validation”.**

PAY ITEM SHEET					
	Description	Quantity	Price	UOM	Total
Line 1	Installation of Server	1		Lump Sum	
Line 2	Installation of Modem	150		Each	
				TOTAL	
Line 3	Monthly Costs	to be bid at Cost + _____ %			

**ANSWER:**

**This solicitation is intended to cover only the connectivity hardware and cellular data connectivity along with the hosting of the Houston Radar Tetryon software. It is our intent that the actual daily polling, etc., will be done by ODOT personnel via the hosted Tetryon environment.**

**Question 1b: With regards to the unit pricings of Line 1 and line 2 in the pay item sheet, should the unit pricing, i.e. installation of server or installation of modem, be an annual fee including both installation and maintenance? Please clarify.**

ANSWER:

**We anticipate a one-time effort to initially establish and install the Tetryon software cloud-hosted environment. Connectivity hardware installation should also be one-time, with the exception of any necessary repairs/replacements of said hardware during the term of the contract. Hosting fees and cellular data connectivity fees, however, will be ongoing and can be handled either monthly or yearly.**

2. On page 2 of 8, under section 1.2, Appendixes III -
  - c. Appendix III – describes the format and structure of modified data to be submitted to ODOT for integration and analysis if required.

**Question 2: The Appendix III is missing in the Solicitation documents. Can you clarify?**

ANSWER:

**No data submission is necessary as part of this RFP and thus that portion should be disregarded.**

3. On Page 3 of 8, lines 9 o 11 -

etc. The unit cost of “Data Collection and Systems Validation” (Appendix I) is expressed as the dollar amount paid for one (1) day of valid data for the specified traffic monitoring station (AVC or WIM). Contractor activities which comprise the cost of one (1) day of valid data are as follows:

**Question 3: This section states “Data Collection and Systems Validation (Appendix I), which is missing in the Solicitation document package, can you clarify? The “dollar amount paid for one (1) day of valid data ...” can not be found in the payment items, can you clarify?**

ANSWER:

**The contractor will not be responsible for data polling or validation as part of this RFP. However, this portion can be interpreted to mean any downtime due to hardware, software, network, or other failure of item(s) within the scope of this RFP that inhibit remote access to the Radar units.**

4. **Question 4: In the following description of 3 a. to 3 i., pages 3 and 4 of 8, it specifies the Data Collection and Systems Validation, but the payment item in Exhibit 2 does not include a line item for Data Collection and Systems Validation. Can you clarify?**

ANSWER:

The contractor will not be responsible for data polling or validation as part of this RFP. However, this portion can be interpreted to mean any downtime due to hardware, software, network, or other failure of item(s) within the scope of this RFP that inhibit remote access to the Radar units.

If so, does the Data Collection and Systems Validation include the data from the conventional WIM and AVC sites?

ANSWER:

No. This RFP is only for the connectivity hardware, software, cellular connectivity, and hosted Tetryon server environment. The contractor is not expected to actually poll or validate data as part of this RFP. No conventional AVC or WIM sites are included. Only Houston Radar units.

5. Question 5: Section 3.a. indicated that “all sites use wireless technology with solar DC Power”. It can be assumed that solar DC power for the Wireless Modems (Gateways) will be supplied and installed by others, which is NOT included in the scope of work of this contract, correct? Please clarify.

ANSWER:

The pole, cabinet, radar unit, solar panel, battery, cabling from the solar panel to the cabinet, and cabling from the radar unit to the cabinet are all provided as part of a separate, previously awarded RFP. Installation of the solar DC power is not part of this RFP.

6. Question 6: Will ODOT supply and install the roadside cabinet at each site for housing the Wireless Modem (Gateway), correct? This is NOT included in the scope of this contract, correct? Please clarify.

ANSWER:

The pole, cabinet, radar unit, solar panel, battery, cabling from the solar panel to the cabinet, and cabling from the radar unit to the cabinet are all provided as part of a separate, previously awarded RFP. Installation of the cabinet is not part of this RFP.

7. On Page 4 of 8, under section 3 f. Transition of Gateway Devices - etc.) at CONTRACTOR expense. Transition to be complete and the collection of valid data from all AVC and WIM sites to occur within 3 weeks of start of contract. A penalty of Five Hundred

**Question 7a: It indicates “within 3 weeks of start of contract” – will all the sites be ready to transit and install the wireless modem at the start of contract? Please clarify.**

**ANSWER:**

**Sites will be available on a progressive basis throughout the term of the contract. It is expected that the contractor will be onsite with the pole installation crew when possible to ensure a ‘one and done’ pole/radar unit/connectivity installation process in order to minimize repeated visits to a given site.**

**Question 7b: Are there damages of \$500 per day if the transition of gateway devices is not completed within 3 weeks of start of contract?**

**ANSWER:**

**It is expected that the contractor will be onsite with the pole installation crew when possible to ensure a ‘one and done’ pole/radar unit/connectivity installation process in order to minimize repeated visits to a given site. Damage penalties can be expected for significant delays in installation.**

8. On Page 4 of 8, under section 3 g -

**g. Equipment Repair.**

1. CONTRACTOR will provide adjustment to or replacement of Gateways, service and/or power supplies within 48 hours.
2. ODOT will be responsible for replacement of data recorders, batteries, solar system, loops and piezos.
3. For utility failures (CONTRACTOR shall open work order with the appropriate utility provider within 48 hours).

**Question 8a: Are there damages if the Gateways are down for more than 48 hours? Please clarify.**

**ANSWER:**

**Damages are based on a prorated schedule determined by percentage of total up-time in a given month. More detailed information will be provided upon award of the contract.**

9. On page 5 of 8 –

**4.1 Technical Expertise**

ODOT is seeking a CONTRACTOR with the technical expertise to operate, install and maintain IRD and Peek WIM systems and Peek ADR series AVC systems. WIM and AVC systems will be maintained in accordance with the standards and specifications of this contract. WIM systems will

**Question 9: It indicates “WIM and AVC systems will be maintained in accordance with the standards and specifications of this contract” – can you clarify? The maintenance of WIM and AVC sites is NOT included in this contract, correct? Please specify.**

ANSWER:

**That language is outdated and only relevant to this RFP in the sense that the contractor should have a good understanding of conventional traffic count and classification hardware and data in order to better ensure that their portion of the radar unit collection infrastructure is optimal.**

10. On page 5 of 8 –

#### **4.2. Turnkey**

This contract is considered a "turnkey" contract. CONTRACTOR shall be responsible for all equipment, materials and labor, and the technical expertise to successfully install, repair, maintain and operate all WIM and AVC systems, in accordance with the requirements of this contract and manufacturer's specifications.

ANSWER:

**That language is outdated and should be understood to be the following:**

**“This contract is considered a ‘turnkey’ contract. CONTRACTOR shall be responsible for all equipment, materials and labor, and the technical expertise to successfully install, repair, maintain and operate all data connectivity hardware and software, cellular connectivity, and hosted software environment in this RFP in accordance with the requirements of this contract and the manufacturer’s specifications.”**

**Question 10: Here it seems the similar confusion as in the above question 8. The “install, repair, maintain and operate all WIM and AVC systems” are NOT included in this contract, correct? Please specify.**

ANSWER:

**That language is outdated and only relevant to this RFP in the sense that the contractor should have a good understanding of conventional traffic count and classification hardware and data in order to better ensure that their portion of the radar unit collection infrastructure is optimal.**

**This RFP is only for the connectivity hardware, software, cellular connectivity, and hosted Tetryon server environment. The contractor is not expected to actually poll or validate data as part of this RFP. No conventional AVC or WIM sites are included. Only Houston Radar units.**

11. On page 5 of 8, section 4.3 Contractor Provided Materials, Labor and Equipment – wiring, etc. ODOT will not provide any equipment to CONTRACTOR. Any WIM or AVC equipment/hardware provided by this contract or purchased by ODOT outside of this contract can be installed by CONTRACTOR as part of this contract. All equipment/hardware installed shall be

ANSWER:

**That language is outdated and only relevant to this RFP in the sense that the contractor should have a good understanding of conventional traffic count and classification hardware and data in order to better ensure that their portion of the radar unit collection infrastructure is optimal.**

**This RFP is only for the connectivity hardware, software, cellular connectivity, and hosted Tetryon server environment. The contractor is not expected to actually poll or validate data as part of this RFP. No conventional AVC or WIM sites are included. Only Houston Radar units.**

**Question 11: It seems the similar confusion as in the above question here. Is installing WIM and AVC systems part of the scope of this contract? Please specify.**

ANSWER:

**That language is outdated and only relevant to this RFP in the sense that the contractor should have a good understanding of conventional traffic count and classification hardware and data in order to better ensure that their portion of the radar unit collection infrastructure is optimal.**

**This RFP is only for the connectivity hardware, software, cellular connectivity, and hosted Tetryon server environment. The contractor is not expected to actually poll or validate data as part of this RFP. No conventional AVC or WIM sites are included. Only Houston Radar units.**

12. **Question 12: Regarding the sections 4.4 Vehicle Classification Table and 4.5 Reporting Requirements, similar to the above confusion, how do these fit into the payment line items? Please clarify.**

ANSWER:

**This RFP is only for the connectivity hardware, software, cellular connectivity, and hosted Tetryon server environment. The contractor is not expected to actually poll or validate data as part of this RFP. No conventional AVC or WIM sites are included. Only Houston Radar units.**

13. **Question 13: On page 7 of 8, section 6.4 (and 6.4.1 to 6.4.4), it indicates that Traffic Control shall be provided by CONTRACTOR, however, the installation of the Wireless Modem**

(Gateway) should happen on the shoulder of the road and traffic control should not be required, can you clarify?

ANSWER:

While it is generally unlikely that significant traffic control will be necessary, in the event that it is required for certain sites, the contractor is responsible.

14. Question 14: Can you provide a contact from Houston Radar to source the server and software as specified in the RFP.

ANSWER:

Casey Inoue: [casey@houston-radar.com](mailto:casey@houston-radar.com)

The cloud-hosted environment must be Tier 1 and is the responsibility of the contractor as part of this RFP the Tetryon software can be obtained from Houston Radar and is already licensed to ODOT as part of our purchase of the radar unit hardware.

15. Question 15: Is it a requirement that the contractor host the Tetryon Cloud Server themselves? This would be required if the modems will be communicating over a VPN, for example. Houston Radar hosts our own Tetryon server on Amazon AWS, and one of the contractors is asking me if we can host the radar units for them. If Houston Radar hosts Tetryon on our own server, ODOT's dashboard view will be accessible to any party with the appropriate URL. The URL is not searchable, but it will technically be public, with no other gateway navigation necessary. Login credentials will still be required to access location details and data.

ANSWER:

ODOT requires that the contractor host the Tetryon environment in third party, Tier 1 cloud environment. While we understand that Houston is using AWS, we would prefer the environment to be under the full control of the contractor and, later, ODOT>.

16. If Houston Radar hosts Tetryon, what shall be the official chain of communication? For example, will ODOT have a policy of making data format or access adjustments strictly through the contractor? This does not necessarily impact how we quote prospective bidders, but would be helpful in establishing support workflow.

ANSWER:

We are requiring that the contractor host the environment in a cloud instance they manage, so Houston Radar will not be involved in this aspect.

17. Appendix 3 is referenced on page 2 of Exhibit 1 as "describes the format and structure of modified data to be submitted to ODOT for integration and analysis if required." A contractor has said there is no Appendix 3 in the bid package. Is this available? This may be pertinent to the question about the chain of communication, as well, should there be a need to make changes to how the data is presented.

**ANSWER:**

**Houston Radar will only be responsible for providing the Tetryon software to the contractor and possibly some very basic technical help with the initial install/setup of the software.**