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Video Wall System for Traffic Operations Purchasing Bid Proposal 13563

PreBid Meeting Vendor Questions:

1. Will products that require a cooling period (normally 3 hours) be allowed in proposals or does the product have to be a true 24/7 guaranteed product?

RFP Sections:

3.4.1.2 – The video wall system shall be rated for 24/7/365 operations for 50,000 hours.

3.4.1.3 – The video wall system shall have an active solution for image persistence and/or image staining.

Response:

The Traffic Operations Center operates 24/7/365. The video wall is intended to be fully functional at all times to support the TOC capabilities.

The intent of Sections 3.4.1.2 & 3.4.1.3 is to provide a video wall solution which is warranted for a 3-year period. It is the Vendor's prerogative whether equipment is proposed with the appropriate warranties or the Vendor elects to replace faulty equipment during specified warranty period at their cost.

2. Please define mobile devices and the use. Will the requirement be that the video wall will be viewable and controllable from smart phones outside of the TOC? Will this require the video wall to send streaming video to smart phones?

RFP Section:

3.4.1.6 – The video wall shall be controlled from operator consoles, mobile devices, or remote desktops on the network.

Response:

No. Section 3.4.1.6 addresses requirements for control of the video wall. It does not require the video wall to send streaming video to smart phones.

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PreBid Meeting Vendor Questions (continued):

3. What type of interface between TransSuite and the video wall? Number of feeds? VMS machine? API controlled?

RFP Section:

3.4.1.9 – The overall system shall interface with the Iowa DOT’s existing Advanced Traffic Management Software (ATMS). This software configures and controls intelligent transportations system (ITS) devices, such as cameras, traffic sensors, dynamic message signs (DMS) and traffic signals. Additionally, ATMS also integrates the functions of displays to work as a system.

Response:

It is anticipated there will be a direct Ethernet connection between the TransSuite server and the video wall server, providing direct access to the TransSuite client software.

4. If the wall is structurally able to hold the video wall can the vendor mount the video wall on the wall rather than anchoring to the floor?

RFP Section:

3.4.3 – The bidder shall prepare and submit structural design plans and calculations (i.e. weight, airflow, etc.) for a self-standing modular pedestal assembly anchored to the concrete floor and/ or concrete ceiling prior to installation.

Response:

Section 3.4.3 requires the video wall support assembly to be anchored to the concrete floor and/or concrete ceiling. Neither the wall nor the raised floor are designed to be structurally adequate to support the video wall.

5. Type of panel finish? Laminate Panels? Color?

RFP Section:

3.4.4 - Bidder shall prepare and submit a Panel Layout Plan that includes location and size of decorative panels, type of panels, and available colors and patterns.

Response:

Section 3.4.4 requires the Bidder to prepare and submit a Panel Layout Plan that includes the locations and size of decorative panels, type of panels, and available colors and patterns. The DOT will review the Panel Layout Plan and provide a disposition of the final design.

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PreBid Meeting Vendor Questions (continued):

6. Are the cable trays the responsibility of the vendor?

RFP Section:

3.4.5 – All cabling shall be concealed below the raised floor, behind panels and walls, and inside console cabinets. Communication cabling installed below the raised floor shall be in the cabling tray runs provided or new cabling trays furnished and installed by the bidder.

Response:

Cable trays are provided beneath the raised floor (refer to Appendix C - Cable Tray Schematic). If the Vendor requires cable trays in other locations and alignments, it is the responsibility of the Vendor to provide the additional cable trays.

7. Can there be additional electrical receptacles added to the proposal if needed?

RFP Section:

3.4.6 – Electrical services shall be installed from the breaker panels in the electrical room to a Bidder provided electrical panel adjacent to the video wall and from the electrical panels to the existing UPS panel in the data center to ensure all components of the video wall system will be powered by the backup generator in the event of a power outage. One power cable shall be installed from the video wall electrical panel to the UPS panel in the data center.

Two standard 4 gang receptacles for the use by TOC staff (one on either side of the video wall) shall be installed.

Response:

Yes. The Vendor shall include those details in the proposed design.

8. Can you provide the number and descriptions of the legacy systems?

RFP Section:

3.5.6 – Be able to send data from legacy systems and shall support a wide variety of visual inputs including analog video, digital video, web based sources, and local work stations.

Response:

There are two principle legacy systems the video wall system will be required to interface. They are:

- TransSuite ATMS
- Wowza Video Server

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PreBid Meeting Vendor Questions (continued):

9. What is the number of workstations that will need to be able to control the video wall?

RFP Section:

3.6 – Input and Output Terminals

- Video Wall control at all TOC operator workstations (input)
- Cable/Satellite TV (input)
- 24 Monitors (at Minimum-output)
- Audio Output (optional-output)

Response:
Eight (8).

10. The number of workstations that the optional audio would need to be installed on?

Response:
Eight (8).

11. The number of cable or satellite channels or inputs that would be active?

Response:
Three (3).

12. How many concurrent Users will controll the video wall?

Response:
Up to eight (8).

13. Is there a reason for the increase in monitors to 24 from 18? Please clarify.

RFP Section:

3.6 – Provide output terminals for:

- 24 Monitors (at a minimum)
- Audio Output (optional)

Response:
The requirement to provide output terminals for a minimum of 24 monitors allows the option for future expansion of the number or monitors without replacing the processor.

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PreBid Meeting Vendor Questions (continued):

14. Please define expandable to more?

RFP Section:

3.7.3 – Display a minimum of 72 simultaneous (expandable to more) video streams.

Response:

The capability to display more than 72 simultaneous video streams. The Vendor shall describe the extent and limitations of the expandability of their proposed solution.

15. What is the resolution of cameras?

Response:

The high definition cameras produce H.264 video with a resolution of 1920 x 1080.

The two types of standard definition cameras both produce H.264 video, one with 800 x 450 resolution and the other with 704 x 480 resolution.

16. Where will the equipment set in the center?

RFP Section:

3.10 – It is preferred that the processor be located in the Data Room (See Appendix A for TOC Floor lan), but it is allowable to have the processor located near the video in a portable equipment cabinet on wheels.

Response:

Please refer to Appendix A – TOC Room Layout for the designated location(s) to the video wall processor.

17. Is there available rack space in the Data Room or will the vendor need to provide a cabinet in the data room to hold equipment?

Response:

There is rack space available in the Data Room to accommodate the video wall system processing needs.



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PreBid Meeting Vendor Questions (continued):

18. If anything (such as electrical) is run through the ceiling area, will the vendor be required to paint it white?

Response:

Yes.