ADDENDUM NO: 1

RFP 144429:   Video Wall System

DEPARTMENT: Information Technology Department

REASON: Responses to All Questions as of 4:00 pm EST

11/4/2016

DUE DATE: 4:00 p.m. EST 11/17/2016

PLEASE SIGN ONE (1) COPY OF ADDENDUM AND RETURN TO THE PURCHASING DEPARTMENT. RETAIN THE OTHER COPY FOR YOUR FILES.

Name

_____

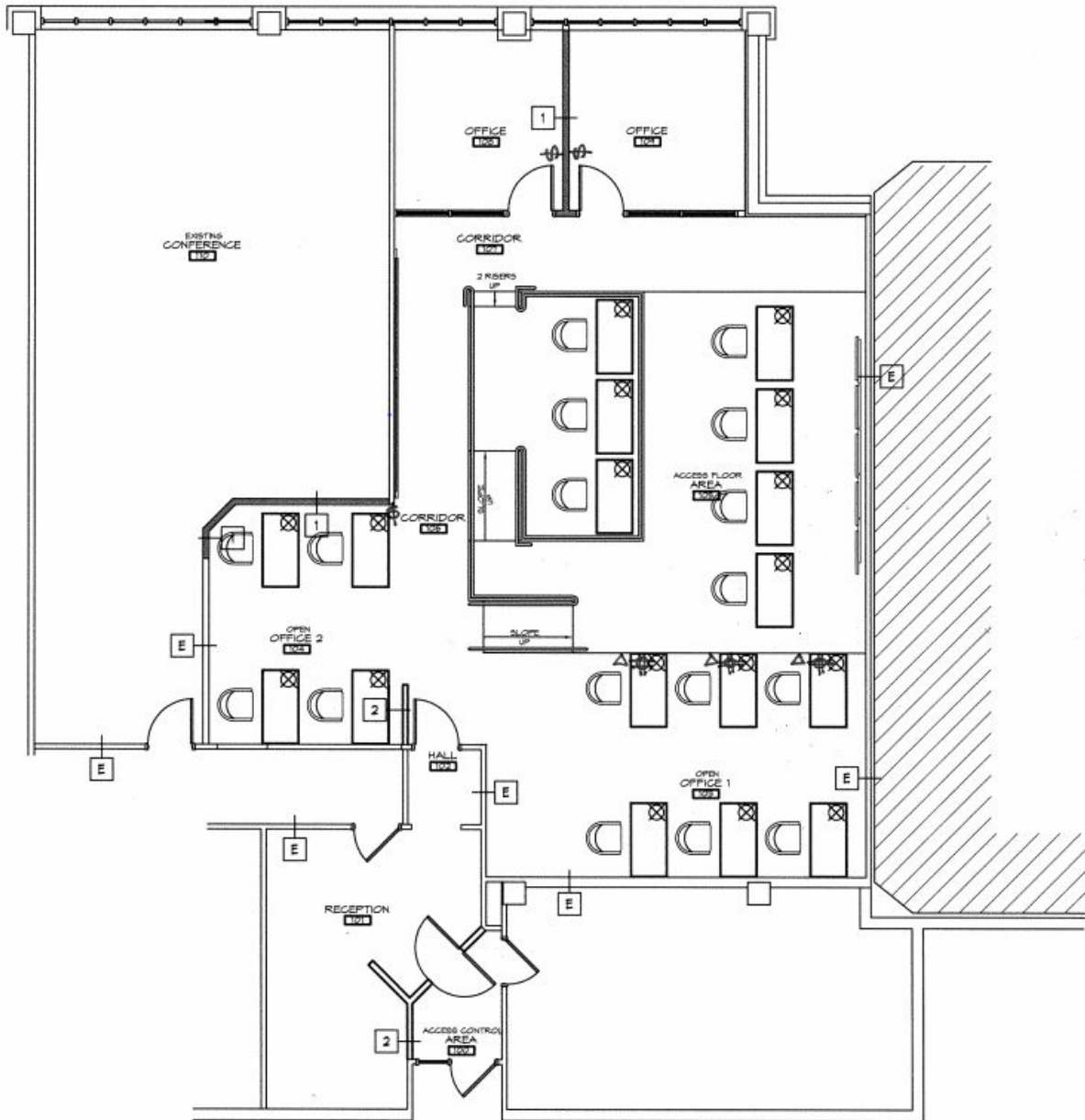**Company**

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Question #1

1. **Will there be a Pre-Bid walk-thru of the space?**
   No, however, we have provided the following pictures (including a blueprint of the space) in hopes of providing you enough information to submit responses.

16-28 CHATTANOOGA POLICE SERVICES CENTER PLAN #4

Questions #2:

1. **What are the total number of inputs you need to manage the video wall?** Make best recommendation. At minimum 10

2. **How many of each input type are there? Example: HDMI Inputs = , HD-SDI Inputs = , DVI-D Inputs = , etc.** This will be better defined as the project progresses include what your solution offers. Offers should include wireless control.

3. **What are the total number of inputs they would like to see on the video wall at the same time?** This will be better defined as the project progresses. For now, cameras, news channels, analytics, security video, and weather alerts.

4. **What is the distance from the video wall location to the rack room?**
   Around 100ft-200ft.

5. **What are the dimensions of the actual wall where the video wall will be installed? (Height and Width) T**he back wall space from corner to the existing cage is 31' feet, In consideration of the new 6" floor system to be installed we will have from new floor surface to the bottom of concrete roof support is 9' 9"

6. **Will plywood backing already be installed or does that need to be included in the bid?** The proposed design should include all components required for installation.

7. **Is a yearly maintenance plan estimate required with this bid?** Yes

Questions #3:

1. **What is the total number of monitors and the rows and columns? Ex: Total of 18 monitors with 2 rows and 9 columns.**
   This will depend upon budgetary pricing of the selected vendor. Our hope is to have a total of 20 monitors, 4 rows and 5 columns.

   Questions #4:

1. **Can we please get floor plans showing location of the video wall and video processor?**
    This has been provided.

2. **Can we please get a list of all content that will be displayed on the video wall and its corresponding source (video, IP, streaming video)?**
   This will be better defined as the project progresses. For now, cameras, news channels, analytics, security video, and weather alerts.

3. **What existing software and BI tools will interface with the video wall system?**
   Most software is still to be determined. Vendor should specify current integration with various APIs.

4. **Regarding the electrical requirements, does the cost of the electric work need to be included in the initial bid? If so, how far is an electrical panel with 40amps spare capacity from the video wall?**

The current Panel is within a 100' of running distance and can accommodate a 40-AMP Breaker

Questions #5:
Page 9 of 21 – "The video wall system will be used by operations staff to display video from cameras located throughout the City, national and local news channels, analytics, security video and weather alerts."
1. **Is there any additional detail regarding the source inputs to the system?**
   Not at this time

2. **What kind of cameras / what is the signal type? HDMI? HD-SDI? IP?**
   Camera vendor has not yet been finalized most likely IP

3. **How many cameras?**
   15-20 Count will vary as the project progresses

4. **What kind source will provide the national and local news? If cable boxes or satellite receivers, will they be OFE?**
   Solution should handle both

5. **How many news inputs to the system?**
   This can vary. Proposals should include best practices and recommendations.

6. **It is assumed that audio support will be required, please confirm (Not mentioned in the RFP).** Yes
7. **What is the definition of "Analytics"? Are these PC input feeds?**
   The BI tool has not been selected at this time. Yes, PC input feeds.

8. **What is the signal type? HDMI? VGA+Audio?**
   Answered above

9. **How many Analytics inputs?**
   Answered above

10. **Where will these analytics inputs originate (inside the room only, or from outside as well)?**
    Could vary

11. **Will there be a dedicated space for us to install our rack that will be provided to house our components, power supplies and UPS?**
    Yes

Page 9 of 21 – "Video Wall design shall be fully configurable to allow for future functionality."
12. **Please clarify the degree of expansion required (i.e. 25% more expansion? What signal types?).**
    This can vary depending on budget and need. Proposals should include best practices and recommendations.

Page 10 of 21 – "Training -- Proposals must include all training plans and costs. Training must be provided for each city role required for implementation and for future sustainability of the proposed Video Wall solution. The vendor is expected to be familiar with any software and services recommended in the proposal."

13. **Please clarify the estimated number of training days expected (assuming one group can be fully trained in less than one day/8hrs).**
Proposals should include best practices and recommendations.

Page 11 of 21 -- "The video wall shall be controlled from operator consoles, mobile devices, or remote desktops on the network. Scalable "windows" should be adjustable by mouse, and keyboard entry".

14. **Please clarify number of consoles and signal type (HDMI? VGA+Audio? DVI?)**
Answered above

15. **Regarding Remote Desktops on the network, please provide additional detail. Regarding Scalable "windows" should be adjustable by mouse and keyboard entry, please provide additional detail.**
Screen display needs to adjust from one monitor to multiple. Proposals should include best practices and recommendations.

Page 11 of 21 -- "The overall system shall interface with existing software and BI tools."

16. **Please detail the software used and define BI tools (Business and Industry? / Standard Windows PC applications?)**
The BI software has not been selected. Proposals should include best practices and recommendations.

Page 12 of 21 – "Bidders are responsible for measuring the actual dimensions prior to designing the installation. No modifications may be made to existing doorways, walls, ducts, floors, and ceilings. The structure shall allow horizontal and vertical adjustments to be made to level the video wall."

17. **Please advise if a site visit will be scheduled for all interested bidders, or if a private appt can be made to walk the site.**
Floor plans have been provided

Page 13 of 21 – "The successful bidder shall be responsible for furnishing, installing and integrating all communication cables necessary for complete functionality of the video wall system."

18. **Please detail the specific Qty and type of signals/cabling from incoming sources.**
This is yet to be determined. Proposal should include a catalog of options with varying numbers and types of sources. Proposals should include best practices and recommendations.

Page 13 of 21 – "For cable runs that transmit video and require extenders, the Bidder shall use fiber optic extenders and fiber optic patch cables to connect inputs and outputs to the processor."

19. **Please detail the specific Qty and type of signals coming into the space via fiber.**
Proposals should include best practices and recommendations.

20. **Please detail whether a dedicated demarcation point will be provided to connect to these incoming fiber feeds.**
Yes

21. **What will be the distance from the demarcation point to the rack?**
30 feet

22. **What will be the distance from the demarcation point to the video wall?**
Answered above

Page 13 of 21 – "Electrical -- The Bidder shall be responsible for performing all electrical work related to the installation of the video wall system. Reviews shall be conducted by the successful Bidder prior to installation to examine the breaker panels available for the video wall system. Electrical plans shall be submitted for review and approval by the City of Chattanooga. The successful Bidder shall contact Building Codes for required permits."

23. **Please advise if a site visit will be scheduled for all interested bidders, or if a private appt can be made to walk the site. The Scope of Electrical work to be required will need to be determined in advance of submitting our bid.**
Site visit will be made available for Best and final proposals. Proposals should include best practices and recommendations.

Questions #6

1. **Redundancy page 4 – What kind of redundancy? Power supply redundancy? Extra LCD screens waiting to be changed out? Complete redundancy with two separate processors?**
Proposal should include industry standard and best recommendation

2. **Scalability page 4 – Open inputs? Or Will you want additional outputs in the future as well?**
Proposal should allow for expansion and include best practices and recommendations.

3. **Is there a budget for this Video Wall?**
Yes

4. **Sources – On page 9 these are the sources listed for this video wall cameras, news channels, analytics, security video, and weather alerts. We need to know the following for each of these sources.**

   Type of source (HDMI, display port, DVI, Mpeg4 network stream, Comcast Set Top box with HDMI, etc…)
   Answered above

5. **Is this a controllable computer?**
Yes

6. **If a computer how many outputs including output type?**
Proposals should include best practices and recommendations.

7. **If stream please elaborate on any stream details (streaming protocol, encapsulation, codec, bitrate, etc)**

Proposals should include best practices and recommendations.

8. **Number of such source (example number of cameras with Mpeg 4 stream)**
    Answered above

9. **Location of source (example Comcast Set Top Boxes all rack mounted in rack X room X) in regards to the location of our gear in Rack X**
    Answered above

10. **Max resolution expected for that source to be able to push into system**
    Should accept highest resolution with minimum of 720 up to highest possible (4k, 5k).
    Proposals should include best practices and recommendations.

11. **HDCP protection On or Off? (please list this for each source)**
    Should have options to do both

12. **What Permits are expected to be needed for this project other than Electrical?**
    unknown

13. **Video wall design shall be fully configurable to allow for future functionality page 9 – Can you elaborate on any specific needs you see for this video wall in the near future?**
    Proposals should include best practices and recommendations.

14. **How many Operator consoles? Locations in reference to video wall and rack with AV gear?**
    Answered above

15. **Does the customer want a full control system to control all of the screens power and possible control other things in the room (for example window shades etc)?**
    Proposals should include best recommendations for the space

16. **Scalable "windows"… page 11 – How many scalable windows are expected for the system to display on the video wall simultaneously?**
    Proposals should include best practices and recommendations.

17. **What functionality does the customer expect of the scalable windows? The ability to move them around and resize them in real time? The ability to pull up presets? What else? How many presets to start with?**
    Yes

18. **"The overall system shall interface with existing software and BI tools." Page 11 – Please provide as much information as possible. Which software? Which version? Expectations? Should the video wall controller be able to run the software locally? Are we displaying the software's web interface output? Etc… (same questions for the BI Tools)**
    Answered above

19. **"Bidders are responsible for measuring the actual dimensions prior to designing the installation." Page 12 – since we are currently designing the video wall now will we be able to have a walk-through of the space before bids are due to take necessary measurement for**

cable runs, look at structural integrity, etc... since the RFP states we are to take measurements?
Answered above

20. **Can the customer provide the location of cable trays drawn on top of the layout to help us estimate cable paths? Including showing cable paths below the raised floor.**
Answered above

21. **Furniture – Can you provide any insight on the type of furniture and furniture layout for the video area so we can determine locations of Operator Consoles and cable runs?**
A floor plan has been provided

22. **Would the customer like us to propose/quote furniture for this space?**
No

23. **When will the project be purchased?**
Projects payments are based on completion of milestones.

24. **When must the project be delivered?**
Optimal date is February 2017

25. **When will the project begin?**
This project has multiple phases. Construction is slated to begin early January 2017

26. **When must the project be completed?**
February 2017

27. **Will there be Progress payments? Or what will the payment schedule be for a project of this size?**
Projects payments are based on completion of milestones.

28. **Is there a desire to run apps on the wall processor?**
This is a possibility. Proposals should include best practices and recommendations.

29. **Is video conferencing required?**
Can be included as a line item in the proposal. Proposals should include best practices and recommendations.

30. **Will any source be remotely located outside the primary room, building or campus?**
Possibly. Proposals should include best practices and recommendations.

31. **Acceptable Resolution of displays?**
Answered above

32. **What is the distance from the display wall to the display processor / switch?**
Answered above

33. **How many auxiliary displays other than the video wall are required? (Example feeds going to another room like a conference room that do not have the scalable windows)**
None at this time. Proposals should include best practices and recommendations.

34. **Is audio required throughout the room?**
Yes

35. **Is recording and/or streaming desired?**
Yes. Proposals should include best practices and recommendations.

Questions #7

1.) **The RFP references a product demonstration. CineMassive can offer a live product demonstration over WebEx, or in-person at our Atlanta facility. Please let us know which you prefer.**
WebEx or in-person in Chattanooga

2.) **What is the size of the physical wall you will be mounting to?**
Answered above

3.) **What is the wall makeup: wood or metal stud, concrete, brick, etc.?**
Answered above

4.) **What are the room dimensions?**
Answered above.

5.) **How many people will be viewing the video wall at any given time?**
Can vary.

6.) **The functional requirements state the total dimension of the video wall shall be 4'-6' high by 36' wide and also lists the example 4 by 5 array of 55" LEDs. A 5 wide x 4 high array of 55" LCD's would accommodate a total dimension of approximately 20' wide x 9' high. This would not meet the 4'-6' height or 36' width requirement. Please clarify the 4 by 5 array requirement.**
Proposals should include best practices and recommendations.

7.) **The functional requirements state "a frameless or minimal border width (no more than ½ inch total width between visible areas). On page 13, the bezel size is listed as 3.5mm to 5.8mm (or less). ½ bezel width would equate to 12.7mm which would far exceed the bezel width requirement listed on page 13. Please confirm the bezel width requirement is 3.5mm to 5.8mm.**
Proposals should include best practices and recommendations.

8.) **The RFP states "cable runs that transmit video and require extenders, the bidders shall use fiber optic extenders and fiber optic patch cables to connect inputs and outputs to the processor. Do you prefer fiber optic inputs for the LCD displays?**
Proposals should include best practices and recommendations.

9.) **Do you require redundant power supplies per LCD display?**

Proposals should include best practices and recommendations.

10.)Do you require any additional monitors or connectivity to the video wall system in any other rooms (conference room, war room, office, etc.)?
Answered above

11.)How many video inputs are required on the video wall processor?
Answered above

       i.   What type (HDMI, DVI, DisplayPort, 4K etc.)? Answered above.
      ii.   What is the resolution of each input? Answered above

12.)Would you like any BYOD (bring your own device) stations for laptop or auxiliary inputs located in the space? If so, how many?
Yes. Proposals should include best practices and recommendations.

13.)Will any devices need to transmit their content wirelessly to the video wall system? If so, how many?
Yes. Proposals should include best practices and recommendations.

14.)Do you require any audio in the space?
Answered above

    a. If yes, is a basic audio system consisting of a few surface mounted or overhead ceiling speakers sufficient, or would you prefer high performance audio? Proposals should include best practices and recommendations.
    b. If yes, how many and which of the inputs above require the transmission of audio?

15.)The requirements state "The video wall system shall be controlled from operator consoles, mobile devices, or remote desktops on the network. Scalable "windows" should be adjustable by mouse, and keyboard entry." How many operator consoles need to control the video wall? How many mobile devices need to control the video wall?
Proposals should include best practices and recommendations.

a. Typically for this type of space, we would recommend 1-2 control points maximum for the video wall system. Our recommendation would be to provide a dedicated PC based control station for power users with a keyboard & mouse control. Additionally, we could provide a touch screen UI to the same PC control station or to a separate touch screen such as a 10" or 15" panel. Please let us know which you prefer. Both control methods can also be demonstrated live via WebEx or an in-person demonstration to better determine which option(s) are best suited to your workflow.
Proposals should include best practices and recommendations.

16.)The functional requirements state "The video wall system shall display computer signals minimum 1080p up to 4K, plus Standard Definition (SD) and High Definition (HD) video (at least 1080p). As with the previous question, please clarify how many inputs you require of each type.
Answered above

17.)What is the location of each input relative to the video wall processor?
Answered above

   i. What is the approximate distance? Answered above

18.)What is the approximate distance between the video wall processor and the video wall?
Answered above

19.)What are the room dimensions for the AV equipment rack?
Answered above.

Questions #8:
1. **Please provide details of inputs that the system will be required to display on the video wall (quantity and type). It is important to know which inputs are full motion video as opposed to high resolution but slow-changing data.**
    Answered above

2. **From a security and cost standpoint, it would be helpful to know which inputs can be screen scrapes and which have to be encoded (encoding is usually done when a network boundary is crossed).**
    Proposals should include best practices and recommendations.

3. **Please provide location of sources inside or outside the room.**
    Answered above

4. **Please provide details on the existing VMS software that the system needs to integrate with. If this cannot be provided, then please specify if the video wall system needs to be Windows based.**
    IP cameras. VMS is subject to change based on Camera RFP award. Platform independent

5. **Are there any other output requirements, such as sending video wall signals to an auxiliary location, such as an adjoining conference room?**
    Not at this time.

6. **Regarding video wall control devices, please specify type and quantity desired as this impacts licensing.**
    Answered above

7. **Regarding cabling, please provide details of the demark point between the AV responsibility and that of others (do we need to include the provision of ALL data cabling or just that required for the AV portion to be added?).**
    AV portion to be added

8. **Regarding power, is the AV integrator responsible for ALL power within the space or just power that needs to be added for the video wall?**
    Power for the video wall

9. **Regarding structure, is it safe to assume that the video wall will be mounted to an existing wall without a free standing structure?**
   Yes, proposals should include your best recommendation

10. **Are finish panels a requirement to trim out the video wall for aesthetics?**
    No

11. **Who will provide wall blocking to support the weight of the displays/mounts?**
    Proposals should include best practices and recommendations.

12. **Without a specification regarding cooling capacity for the space it is impossible to price additional cooling for the video wall. If we are to subcontract an HVAC contractor, considerably more data will be required to price this out. If heat generation within the space is a concern, we could investigate remote power options for the video wall, but this will move a portion of the heat to the telecom closet, which may cause its own issue.**

13. **Are there any audio requirements?**
    Answered above

14. **Is the space available to us to make measurements?**
    Answered above.

Questions #9:

1. **Requests Public Financial records for the pasts two years. Our corporation is privately held; we do not maintain public financial records. Please advise if we should just state this or provide the records marked "Confidential".**
   Please include a statement within your Proposal explaining this.

2. **Is a Bid Bond required? If so, should we include the cost of a Payment and Performance Bond as a separate line item.**
   A Bid Bond is not required.