

**Invitation for Bid (IFB)**  
**IT ENGINEERING DESIGN SERVICES - WI-FI 6E**  
**S2023-21**  
**Addendum No. 3**

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March 31, 2023

This Addendum No. 3 consists of **seven (7)** page. Bidders must acknowledge receipt of this Addendum No. 1 in Required Form A – Form of Transmittal Letter.

This Addendum No. 1 has the following information to be incorporated into the Invitation for Bid (IFB):

Item 1: **Attachment 1: Response to Bidders Questions**

Alex Buckles  
Purchasing & Supplier Diversity Manager

Bidders Question:		McCormick Place   ASM Global Response:
1	<b>What resources are available to work with the Advizex design team during this engagement?</b>	Network team/infrastructure will be available.
2	<b>Are IDF locations fixed, or can they be moved in the design?</b>	Fixed.
3	<b>What percentage of the patrons number of devices in a full arena should be able to get full WiFi service?</b>	The capacity of the arena is 10,000, and the percentage should be 100%.
4	<b>What's the budget for this RFP?</b>	There is no specified budget
5	<b>Which vendor(s) would you like this design built for? (i.e. Cisco, Aruba, Fortinet, etc.)</b>	Must be compatible with Cisco Nexus infrastructure.
6	<b>What is the timeline for a decision?</b>	An exact date has not been determined, but asap.
7	<b>Please go into more detail regarding Phase 3 – Construction Administration Services</b>	Please see scope.
8	<b>What specific trouble areas do you want this new design to resolve?</b>	Several areas, we are looking for direction to provide better coverage for halls, meeting room, etc.
9	<b>Currently Wi-Fi 6e Access Point technology does not allow for external antennas indoors as are currently deployed in areas such as Wintrust Arena. Will a hybrid approach using 5GHz exterior/directional antennas mixed with 6GHz internal antennas be allowed?</b>	We defer to consultant for guidance/suggestions.
10	<b>A post-installation validation survey is not identified in the RFP. This is generally considered a best practice for Wi-Fi deployments. Will a validation be required under this RFP?</b>	A post-installation validation is preferred. Proposers who offer this in their submittals should provide the necessary detail.
11	<b>Please confirm that the extent of this scope of work is design and construction admin services and that a bidding contractor will be responsible for the purchase,</b>	A separate procurement will be released for the purchase, configuration installation and testing of the system.

	<b>configuration, installation and testing of the system.</b>	
12	<b>Who will be executing and managing the procurement and installation RFP for the devices?</b>	McCormick Place   ASM Global will release a separate procurement for install
13	<b>Who will be responsible for engineering services for additional power or cooling that may be required for the installation of the Wi-Fi 6e system?</b>	We don't anticipate additional power. However, if we need additional power we are looking to consultant to give us recommendations for this. Internal trades would perform that work.
14	<b>Who will be responsible for identifying the existing power and cooling loads and capacity and then for calculating the projected additional loads required within the Telecom Rooms to support the Wi-Fi 6e deployment?</b>	We don't anticipate additional power. However, if we need additional power we are looking to consultant to give us recommendations for this. Internal trades would perform that work.
15	<b>Has the project team considered a Private Cellular Network (CBRS) deployment to augment, or in lieu of a Wi-Fi 6e deployment?</b>	No. We are looking for Wi-Fi 6e.
16	<b>If a Private Cellular Network is to be deployed, will there be a separate RFP and or an add service to this contract for that design?</b>	Not applicable.
17	<b>Can we assume that McCormick Place (client) will be responsible for providing accurate floor plans (including room/space names and numbers) for modeling and in what format will they be provided?</b>	Yes. PDF
18	<b>Has an overall project schedule, with design, procurement, and installation timelines defined been identified? Can the schedule be shared, or if a schedule has not been created, are there general expectations that can be conveyed for the purposes of estimating the Construction Administration Services portion of the proposal?</b>	The consultant should provide a project schedule upon completion of their evaluation.
19	<b>How many IDF's are within RFP covered buildings in the McCormick Place complex?</b>	There are hundreds of closets available.
20		

	<p><b>How many access points are there currently and what types?</b></p> <p><b>a. Can we get a breakdown of IDFs and AP's by building?</b></p>	<table border="1"> <thead> <tr> <th colspan="3">Permanent Access Points</th> </tr> <tr> <th>Location</th> <th>Count</th> <th>AP Model</th> </tr> </thead> <tbody> <tr> <td>Arena</td> <td>169</td> <td>AIR-AP3802P-B-K9</td> </tr> <tr> <td>East</td> <td>108</td> <td>AIR-CAP3602I-A-K9, AIR-AP3802I-B-K9, AIR-CAP3502I-A-K9, AIR-CAP3702P-A-K9</td> </tr> <tr> <td>North</td> <td>173</td> <td>AIR-CAP3602I-A-K9, AIR-CAP3502I-A-K9</td> </tr> <tr> <td>South</td> <td>288</td> <td>AIR-AP3802I-B-K9, AIR-CAP3602I-A-K9, AIR-CAP3502I-A-K9, AIR-CAP3602E-A-K9</td> </tr> <tr> <td>West, Corp&amp;EC</td> <td>283</td> <td>AIR-CAP3602I-A-K9, AIR-CAP3502E-A-K9, AIR-CAP3502I-A-K9, AIR-CAP3602E-A-K9, AIR-Mesh</td> </tr> <tr> <td>Mesh</td> <td>8</td> <td>AIR-AP1572EAC-B-K9</td> </tr> <tr> <td>total</td> <td>1029</td> <td>Actual total around: 1120</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Temporary Access Points:</th> </tr> <tr> <th>AP Model</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>3502i/3602i</td> <td>15</td> </tr> <tr> <td>3802i</td> <td>151</td> </tr> <tr> <td>3602e/3702p</td> <td>80</td> </tr> <tr> <td>3802e</td> <td>17</td> </tr> <tr> <td>Total</td> <td>263</td> </tr> </tbody> </table>	Permanent Access Points			Location	Count	AP Model	Arena	169	AIR-AP3802P-B-K9	East	108	AIR-CAP3602I-A-K9, AIR-AP3802I-B-K9, AIR-CAP3502I-A-K9, AIR-CAP3702P-A-K9	North	173	AIR-CAP3602I-A-K9, AIR-CAP3502I-A-K9	South	288	AIR-AP3802I-B-K9, AIR-CAP3602I-A-K9, AIR-CAP3502I-A-K9, AIR-CAP3602E-A-K9	West, Corp&EC	283	AIR-CAP3602I-A-K9, AIR-CAP3502E-A-K9, AIR-CAP3502I-A-K9, AIR-CAP3602E-A-K9, AIR-Mesh	Mesh	8	AIR-AP1572EAC-B-K9	total	1029	Actual total around: 1120	Temporary Access Points:		AP Model	Count	3502i/3602i	15	3802i	151	3602e/3702p	80	3802e	17	Total	263
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21	<p><b>Is Autocad documentation required within the IT engineering services scope?</b></p>	<p>Yes, visual documentation required (pdf, autocad, etc.)</p>																																									
22	<p><b>Does conduit layout/placement fall under the IT engineering services scope if additional cabling is required?</b></p>	<p>Building trades will perform any necessary labor. Consultant should provide recommended services needed.</p>																																									
23	<p><b>Generally speaking, how is the overall performance of your network as it stands today? What are some of the issues you have faced in the past? What type of TAC cases have you had over years?</b></p>	<p>Looking for recommendations to address any interference, augmentation, etc. All TAC cases should be addressed.</p>																																									
24	<p><b>Can you provide us with the relevant network diagrams, topologies and documentation for the environment?</b></p>	<p>To be provided to chosen consultant.</p>																																									
25	<p><b>Can you provide a list and markings of your MDFs and IDF network closets? How many IDFs, MDFs, how many racks, etc.?</b></p>	<p>To be provided to chosen consultant.</p>																																									

26	<b>How much available space (how many RU's) exists in the racks for each closet?</b>	To be provided to chosen consultant.
27	<b>What type of cabling is currently in use at each location (CAT5, CAT5e, CAT6, Multimode, Single Mode Fiber etc.)?</b>	We use CAT5e, CAT6, multimode and single mode fiber in addition to CAT3 in some areas.
28	<b>What type of routers/firewalls are in use at the edge of the network? How many circuits do you have? What is the circuit size/bandwidth from your ISP?</b>	We have Cisco routers/firewalls. 4 circuits. If necessary, size/bandwidth will be provided to chosen consultant.
29	<b>What models/brands of switches do you have currently in your network? Are they PoE+ to support the new Access Points?</b>	Most of the customer facing switches are cisco WS-C3850-24XU with POEU, older models in the service areas, like cisco WS-C3560CG-8PC-S & 24ports, Cisco WS-C3750X-24P with POE+
30	<b>How many employees are on your IT / Network Operations team? Is your team already familiar with Cisco AireOS and Catalyst Wireless solutions?</b>	10 Employees. No.
31	<b>What are you using for network Management? SolarWinds? Cisco Prime Infrastructure? DNA Center?</b>	Cisco Prime Infrastructure.
32	<b>How many wired devices do you have connected to the network? Any on-premise servers, Active Directory, NPS?</b>	Out of scope.
33	<b>How do users connect to the wireless infrastructure today? How many SSIDs are in use? How is the Guest Wireless configured?</b>	Our clients are diverse and from around the globe, we host many events and shows and each has different required number of SSIDs in average and between permanent & concierge SSID and temporary for shows & events, a minimum of 10-15 SSIDs are always broadcasting in the WLC at different locations throughout the facility
34	<b>How many network refreshes has the environment been through? Has this site used any other Vendor equipment before besides Cisco? Aruba? Ruckus?</b>	N/A
35	<b>Do you have existing service/support contracts with the current vendors such as Cisco?</b>	Yes.
36	<b>Do you have any specific WiFi6E clients in the environment today? Is there a specific need for WiFi6E or is the goal to "future proof" the environment?</b>	Nothing specific. We want to "future proof" our campus.

37	<b>What are the client types that the network supports for the staff? iPads, Scanners, Point of Sale Devices, Chromebooks, VoIP Phones, etc.?</b>	Customers come from anywhere on the globe and use a variety of devices. We need to be able to address their needs on a multiple of devices.
38	<b>What applications do the clients run (Cloud or on-prem)? Office 365, CrisisGo, GSuite, Oracle NetSuite, Toast, Zoom, etc.?</b>	Customers come from anywhere on the globe and use a variety of devices. We need to be able to address their needs on a multiple of devices.
39	<b>Per the “Construction Administration Services” section, will the award winner be evaluating a future RFP/RFI for the installation and configuration of the design?</b>	The awarded bidder will be a resource for the construction procurement.
40	<b>Per the “Construction Administration Services” section, will the design award winner be excluded from bidding on the installation and configuration of the equipment in the future project if they are evaluating future RFP/RFI proposals?</b>	The awarded bidder will not be able to bid on the Construction phase and review the construction phase bids to be submitted.
41	<b>Will the design encompass a review of the wired infrastructure as well?</b>	No.
42	<b>Do you require location services such as wayfinding?</b>	Not required but could be open to this in future.
43	<b>Do you require support for Wi-Fi calling or other Wi-Fi voice functionality?</b>	Yes.
45	<b>If A BIDDER is awarded this RFP, would THE BIDDER still be allowed to provide a bid response for the fulfillment of the updated wireless system? Equipment, installation labor, etc.? The separate RFP?</b>	No, awarded bidder for design phase will not be able to bid on the construction procurement.
46	<b>Will we be required to conduct a survey during active events?</b>	Highly recommended, but not mandatory.
47	<b>May we have a 10-day extension to submit the RFP?</b>	NO

48	<p><b>This RFP speaks of 3 Phases:</b></p> <ol style="list-style-type: none"><li><b>1. Design</b></li><li><b>2. Construction Design</b></li><li><b>3. Construction Administration</b></li></ol> <p><b>As 2 and 3 are identified as separate phases, are those to be bid on at a later time?</b></p> <p><b>If not, can we bid on just Phase 1?</b></p>	Yes, this is just for phase 1.
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