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March 22, 2017

**REQUEST FOR PROPOSAL 17-0272GD  
SARASOTA MANATEE TRAFFIC MANAGEMENT CENTER  
TRAVELER INFORMATION WEBSITE**

**ADDENDUM No. 2  
CLARIFICATION QUESTIONS**

The following Addendum is issued to add to, modify, and/or clarify the Request for Proposals (RFP) documents. The items contained within this Addendum shall have the same force and effect as the original RFP documents. Proposers shall acknowledge receipt of this and any other addenda issued pursuant to this Request for Proposal in their proposal.

If you have submitted a proposal prior to receiving this Addendum, you may request in writing that your original, sealed proposal be returned to your firm. All sealed Proposals will be opened on the date stated, in conformance with the additions listed herein.

**Clarification Requests as submitted by Proposers**

**Question 1:** What is the complete project budget? Or do you have any information regarding previous budgets for similar projects?

**Response:** This is a unique project for the County, therefore, no previous information is available. The current estimated budget is \$300,000, however this budget is subject to change. Proposers are encouraged to provide a competitively priced solution. Proposals will be evaluated using the criteria in Section D of the RFP document.

**Question 2:** What is the budget for streaming CCTV and ongoing maintenance?

**Response:** There is no separate budget for streaming CCTV video feeds. Future ongoing maintenance costs are currently not budgeted. Per B.04.06, the Proposers shall identify and provide the costs associated with the ongoing maintenance of their proposed systems.

**Question 3:** Is there an API capability integration for the CCTV system?

**Response:** The RTMC currently uses FLIR's *Cameleon* software to view and control the field-installed CCTV cameras. Currently *Cameleon* does not have an API. FLIR has indicated that an upcoming version of their *Cameleon* software will have this capability. Please contact FLIR to obtain further details on their product. The RTMC uses a Jupiter

Catalyst 4500 video wall processor, with decoder input cards, to display the CCTV video feeds on its video wall.

**Question 4:** Section B.03.07 - Is it alright to present only cloud-based solutions?

**Response:** Proposals received with only cloud-based solutions will be accepted, reviewed and evaluated accordingly with the evaluation factors in D.01. The Proposer shall provide a justification for the solution chosen and any recurring and non-recurring costs associated with such solution.

**Question 5:** Section B.03.08 - Is there a specific platform preferred by the County? Is there a specific platform undesired?

**Response:** Manatee County supports all major platforms, with a preference of Red Hat Linux and Windows. Proposed solution must be compatible with virtualization.

**Question 6:** Section B.03.09 - What type of notifications is the agency looking to deliver specifically (SMS, Push, email, etc)?

**Response:** SMS, push notifications, emails and any other type of available notifications. The user shall be able to manage the delivery of notifications.

**Question 7:** Section B.03.13 - Will the Slippy map be provided by The County? Or is it acceptable to make an integration with google maps?

**Response:** Manatee County will not provide the map. It is the Proposer's responsibility to provide the mapping solution and platform that will best work for the scope of this project.

**Question 8:** Section B.03.15 - Since the streaming engine to choose will depend on the project budget, what is the budget for streaming purposes?

**Response:** There is no separate budget for streaming purposes. The amount budgeted is for a complete turnkey project.

**Question 9:** Section B.03.16 - What is the yearly budget for ongoing maintenance – including: *“up to 5,000 users simultaneously and up to 500 individual CCTV video streams to up to 25,000 simultaneous users.”*

**Response:** Future ongoing maintenance costs are currently not budgeted. Per B.04.06, the Proposers shall identify and provide the costs associated with the ongoing maintenance of their proposed system.

**Question 10:** Section B.03.21 - Please specify the type of integration required. Will the proposer have access to the 511 traveler information website API?

**Response:** Manatee County's desire is to have available on its RTMC Traveler

Information Website the information already available on the FDOT 511 website (such as DMS messages, CCTV video feeds, incidents, etc...) exclusively for the portion of I-75 between Manatee and Sarasota Counties. Access to the FDOT 511 API will be granted through Manatee County's coordination with FDOT.

**Question 11:** Section B.03.23 - Is the proposer free to integrate any existing interface for the purposes of disseminating weather information?

**Response:** Manatee County does not store weather information on internal servers. For purpose of this RFP, weather information should be retrieved as a ReST Service from a nationally recognized source. The Proposer shall provide a justification for the solution chosen and any recurring and non-recurring costs associated with such solution.

**Question 12:** Section B.03.25 - Are there any examples of website design/modularity preferred by The County?

**Response:** While Manatee County will review and evaluate all proposals received and has no specific design preference at this point of the project, it prefers a clean look, simple design and optimized performance for device types and network speeds. Each user shall be able to access the desired information with a minimal number of "clicks".

**Question 13** Section B.03.35 - How does the County want to display this integration of the video feeds?

**Response:** By providing live video feeds.

**Question 14:** Section B.03.38 - Please provide details on the re-design and re-configure the RMTC network.

**Response:** The Proposer shall be able to identify any network design and/or configuration changes needed in the current network set-up, as it relates to the solution proposed.

**Question 15** Section B.03.39 -To what extent should the MyManatee Mobile application be able to integrate with the new website?

**Response:** Details of integration with *MyManatee* Mobile Application will be defined at a future time. The proposed solution shall be designed with the flexibility to allow this future integration.

**Question 16:** Section B.08.01 - Must all additional meetings be on-site?

**Response:** It is anticipated that not all meetings will be on-site. The County's Project Manager has the right to determine frequency and location of the meetings.

**Question 17:** Section B.10 - The County accepts the website reporting with google analytics? If not, please provide the desired software.

**Response:** Google Analytics is acceptable for website reporting. The Proposer shall provide a justification for the solution chosen and any recurring and non-recurring costs associated with such solution.

**Question 18:** In satisfying technical requirement B.03.03, how many different quality video streams should be made available to end users, for each input camera?

**Response:** Please refer to B.03.36 and B.03.37.

**Question 19:** Regarding technical requirement B.03.16, please confirm that the video distribution component of the system supplied through this contract must possess the installed capacity necessary to concurrently handle 500 CCTV cameras (different input streams), with multiple, differing quality output streams made available for each, as referenced in Question 18.

**Response:** Confirmed.

**Question 20:** Regarding technical requirement B.03.21, please confirm that the system must be integrated with Florida's 511 Traveler Information System through a data interface, in order to obtain and display travel information, as directed by Manatee County.

**Response:** Integration with FDOT's 511 website will occur through API. Refer to answer provided for question #10.

**Question 21:** Regarding technical requirement B.03.22, please list the transit agencies for which the system shall obtain the described transit information. Are the mechanisms for obtaining this information (e.g. GTFS, GTFS-realtime) known at this time?

**Response:** The transit agencies are Manatee County Area Transit (MCAT) and Sarasota County Area Transit (SCAT). Both transit agencies export GFTS data file format onto Google.

**Question 22:** Please confirm that the system must incorporate event reporting and tracking capabilities, which shall allow traffic management center operators to enter, update, publish and clear arterial roadway events, and that these capabilities should support the entry and updating of event properties such as the following:

- Event Type
- Event Sub-type / Cause
- Event Location
  - Roadway / Direction

- Head Location
  - Cross-street reference and offset (i.e. at, beyond, before)
- Tail Location
  - Cross-street reference and offset (i.e. at, beyond, before)
- Lane Blockage Pattern (e.g. left lane blocked)
- Congestion Information
- Start Date / time

**Response:** Confirmed, but not limited to the aforementioned events. The proposed system shall be able to allow for the Operators to enter/update/publish/clear other events such as work zones, detours, etc.

**Question 23:** Regarding technical requirement B.03.33, is the logo of the maintaining agency and camera location already present in video feeds, or is it required that the video distribution component of the system insert this information into all video streams as an overlay?

**Response:** Currently the CCTV camera location is available, but not the agency logos. It is required that a logo of the maintaining agency and the location information to be displayed at all times on all broadcasted video streams.

**Question 24:** Regarding deliverable B.04.03, does the County require that the source code for all pre-existing proposer software supplied through this contract be provided to the County, or is the proposer only required to provide source code created through the performance of the contract?

**Response:** The intent of this deliverable is to ensure that Manatee County possesses the source code and rights necessary to modify the site in the future.

**Question 25:** Can you provide access to API's (Application Programming Interfaces) from each city/county that is providing traffic information including CCTV, DMS, FDOT and traffic data collection devices. If you cannot provide APIs, can you provide a sample of each?

**Response:** Manatee County will provide any in-house available API and assist in the coordination to obtain any other API available and needed for the scope of this project.

**Question 26:** Please identify the storage requirements for the CCTV system as it relates to duration of storage (how much history to keep from each camera) and the camera configuration bitrate, as well as the number of cameras and projected growth rate.

**Response:** No storage of images or videos feeds shall be allowed at any time. The field-installed *Vicon* CCTV cameras use *Impath* encoders with bitrate ranging from

4,800 to 9,600 kbps. The field-installed *Bosch* CCTV cameras bitrate ranges between 2,000 and 10,000 kbps depending on the streaming quality settings. Currently there are approximately 200 field-installed CCTV cameras integrated into the RTMC. It is anticipated for this number to reach 500 units in the future.

**Question 27:** Does the agency have a preference regarding specific CMS/platform technologies?

**Response:** The County has no specific preference.

**Question 28:** What is the anticipated duration of the project?

**Response:** The website shall be ready to be launched to the general public, after thorough internal testing, in a reasonable timeframe. Under no circumstances shall the project extend beyond 12/31/2018.

**Question 29:** Will the agency be open to longer term reoccurring licensing deals after the initial budget?

**Response:** While Manatee County currently does not have an adopted budget for the website's ongoing maintenance expenses, the Proposer shall identify and include in the RFP all elements of recurring and non-recurring costs associated with their proposed solution.

**Question 30:** B.03.05 – Can you specify exactly what are the Operating System versions that we need to support? Typically we support only the last two major Operating Systems versions e.g. Windows (10 and 8.1). Will that be adequate?

**Response:** The proposed solution shall support at least the last three (3) major Operating System versions e.g. Windows (10, 8.1 and 7).

**Question 31:** B.03.06 – Is there a preferred software technology stack that the internal team is comfortable with? E.g. Microsoft .NET stack, LAMP stack etc.

**Response:** Manatee County supports all major technology stacks, with a preference of Red Hat Linux and Windows, Oracle and SQL Server. Proposed solution must be compatible with virtualization.

**Question 32:** B.03.07 – Are there any restrictions in going to a fully cloud based hosting solution (e.g. Azure)? Are there regulatory or compliance requirements that we should be aware of before suggesting a cloud based solution?

**Response:** Proposals received with only cloud-based solutions will be accepted, reviewed and evaluated accordingly with the evaluation factors in D.01. Manatee County is not aware of any regulatory or compliance requirements as it relates to the RTMC Traveler Information Website.

**Question 33:** B.03.09 – Is the personalized alert function that is specified in this requirement referring to browser based notification or SMS alerts that the website user received on their mobile phone?

**Response:** Each individual user shall be able to manage the delivery of the notifications (in the form of push notification, text, email, etc.) at any time. For example, each individual user shall be able to receive notification based on specific time windows (day of the week, time of the day, etc.), location of interest (zip code, County, City, etc.), type (incident, congestion, etc.).

**Question 34:** B.03.11 – Are there any existing encryption standards that the organization uses for their internal system (e.g. AES)?

**Response:** Manatee County is adopting the stance that all web traffic use HTTPS. The encryption that is used must implement open standards and be modern (e.g. TLS 1.2). Older / weaker forms of encryption should only be used when necessary for compatibility, and this must be regularly reviewed. Proprietary encryption is not acceptable.

**Question 35:** B.03.13 – The requirement refers to slippy map (a tiled web map). Are we limited to OpenStreetMap platform or can we use other mapping solutions from Google or ESRI? Is there a preference to OpenStreetMap that we should considered in our proposal?

**Response:** No limitation exists to use only *OpenStreetMap* platform. The map shall be slippy/tiled web map displayed in a browser with smooth pan and zoom capabilities. The map shall have the capabilities to set navigation boundaries. Manatee County does not have currently a preferred mapping solution.

**Question 36:** B.03.15 – In regards to the live streaming engine and media server – do you have a separate budget for the hardware/software that is required for this setup? Should this be separated as line item in our proposal?

**Response:** There is no separate budget for streaming purposes. The amount budgeted is for a complete turnkey project.

**Question 37:** B.03.18 – Please explain the data structure of the TrafficCast BlueToad server and the frequency of the updates?

**Response:** *BlueTOAD* uses XML feeds. Please contact *TrafficCast* to obtain specific technical information on their product.

**Question 38:** B.03.19 – Please explain the data structure of the real-time messages posted on the DMS? E.g. JSON, XML or other flat file format?

**Response:** The Dynamic Message Signs (DMS) currently part of the RTMC are made by *Daktronics*. The RTMC staff uses *Vanguard* (*Daktronics*'s software) to manage the messages to be displayed on the DMSs. Please contact *Daktronics* to obtain technical related information on their product.

**Question 39:** B.03.21 – What is the data export format for 511 website data points?

**Response:** API

**Question 40:** B.03.23 – What is the source for the weather data? Does that data already exist in internal servers or should we plan to integrate external data sources using standardized API's?

**Response:** Manatee County does not store weather information on internal servers. For purpose of this RFP, weather information should be retrieved as a ReST Service from a nationally recognized source. The Proposer shall provide a justification for the solution chosen and any recurring and non-recurring costs associated with such solution.

**Question 41:** B.03.28 – Do you expect the website to push the traffic alert updates to social media platforms?

**Response:** The website shall have a user option to utilize available social media networking and blogging platforms, such as Twitter, to broadcast incidents and events displayed on the website.

**Question 42:** B.03.30 – What is the usage numbers of Opera in desktop and Opera Mini in mobile devices? Typically, we support the last two versions of the popular browsers. Is that sufficient or should be plan to support older versions?

**Response:** The proposed solution shall support at least the last three (3) major browser versions.

**Question 43:** B.03.38 – “The proposer shall be able to re-design and re-configure the RTMC network as requested by County.” Can you please specifically detail the requirements for this task? Also, does this refer to RTMCs internal network or expected changes to the website redesign following launch?

**Response:** The Proposer shall be able to identify any network design and/or configuration changes needed in the current network set-up, as it relates to the solution proposed by the Proposer.

**Question 44:** B.03.39 – What should be integrated with the MyManatee mobile application? What type of information is passed to the mobile app? Is there a need to get data from the mobile application?

**Response:** Details of integration with *MyManatee* Mobile Application will be defined at

a future time. The proposed solution shall be designed with the flexibility to allow this future integration.

**Question 45:** B.05 – Is the onsite training to be given in concurrent, back-to back sessions or should we plan on multiple on-site visits to conduct the training?

**Response:** It is anticipated for the training to occur on-site over four (4) not-necessarily consecutive days, in six (6) hour sessions each. The County's Project Manager will coordinate with the successful Proposer to define the specific training days.

**Question 46:** The proposal states that the website "shall effectively and efficiently integrate with all of the current RTMC systems". Please provide a list of the systems that RTMC expects the site to integrate with.

**Response:** The Systems are listed in "Attachment F" of the advertised RFP.

**Question 47:** Have you determined what level of ADA compliance is needed for the website (i.e. WCAG 2.0 Level A, AA, AAA) if any?

**Response:** The Proposer shall ensure compliance with all of the Department of Justice ADA regulations in place for local government websites when designing the RTMC Traveler Information Website.

**Question 48:** Would you accept a proposal submission that offers a sub-set of the overall RFP requirements (i.e. exclusion of CCTV connectivity and maintenance)?

**Response:** No. The proposal shall be for a complete turnkey project that meets the requirements listed in the RFP.

**Question 49:** Can you please provide overall budget frameworks for the project at large and, if possible, can you show a budget allocation between the primary deliverables (i.e. website, cloud hosting, maintenance, CCTV management)?

**Response:** The amount budgeted is for a complete turnkey project.

**Question 50:** Will RTMC provide the website copy that is to be populated into the new site, or should we also include a copywriting services quotation?

**Response:** The proposal shall include copywriting.

**Question 51:** Can you provide us with any current style guide documentation that would give us insights into the governance of the style – brand parameters for the new design?

**Response:** Style guidance details will be determined and agreed upon during project scope and contract negotiation.

**Question 52:** Can you provide us with any other websites that you have looked at and admired which might serve as a model for the new site? Are there any "pain points" in any of those site that you can point out which must be resolved in your new site approach?

**Response:** While Manatee County will review and evaluate all proposals received and has no specific design preference at this point of the project, it prefers a clean look, simple design and optimized performance for device types and network speeds. Each user shall be able to access the desired information with a minimal number of "clicks".

**Question 53:** Can you please list your target user audience segments and what you see as their primary site goals? Do you have any existing user research data that you can share?

**Response:** The target user audience is the general traveler public that will want traffic related information (incidents, congestion events, live video feeds, etc.) on the Sarasota-Manatee regional roadway system, in order to make informed decisions on their planned travel.

**Question 54:** Are there any design preferences and process workflows that you would like us to consider as requirements?

**Response:** Style guidance details will be determined and agreed upon during project scope and contract negotiation.

**Question 55:** Will the selected vendor be charged (a) providing photography services, (b) selecting stock photography, or (c) will you be providing all photography that is to be incorporated into the new website?

**Response:** The website shall display live video feed from the available field-installed CCTV cameras. Manatee County will provide any background photography to be incorporated into the website.

All other terms and conditions of Request for Proposal 17-0272GD remain unchanged.

No additional questions will be considered after the issuance of this Addendum.

Proposals are to be submitted by **April 19, 2017 at 3:00 P.M.** in the Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205.

Sincerely,



Greg Davis  
Contracts Negotiator  
MANATEE COUNTY GOVERNMENT

*JWW*