

Proposal 16113 – Statewide ITS Maintenance

Questions and Responses Set 1

- Q1)** Regarding Section 3.2.3 Iowa Communications Network (ICN): Will authorized staff of the Successful Responder be given VPN access onto the communications networks necessary in order to remotely diagnose and troubleshoot all Iowa DOT ITS field assets covered under the contract?
- R1)** All communications networks utilized for the ITS network are capable of supporting VPN connections, the Successful Responder will be responsible to provide the equipment and software to facilitate VPN access.
- Q2)** Regarding Section 3.2.4 Iowa DOT and Partner Agency Information Technology Divisions: With respect to support of communications systems for other Iowa partner agencies, does the Successful Responder's responsibility extend beyond supporting the communications infrastructure limited to the ITS field equipment and directly associated servers? In other words, are partner agencies utilizing shared field communications systems that are the responsibility of the Successful Responder for other functions not related to Iowa DOT's ITS field devices? If so, can Iowa DOT provide historical data on the frequency and nature of maintenance/service tickets issued by the partner agencies as it relates to the field communications network which the Successful Responder will maintain?
- R2)** The Successful Responder is responsible for all ITS devices referenced in Section 3.3.3. For partner agencies who directly connect to ITS devices, the Successful Responder will work directly with the partner agencies to facilitate the configuration of partner agency's equipment and configure Iowa DOT ITS equipment to route traffic appropriately. The Successful Responder shall assume less than 8 hours per month of this support.
- Q3)** Regarding Section 3.2.6 Contractors: Referencing the requirement for the Successful Responder to coordinate the removal, replacement, and re-integration of devices affected by third party contractor's work, as necessary, how are Responders to price these activities? Will they be paid separately, as needed, similar to the [Device Installation] line items, or are these contractor coordination activities to be included and incidental to the Ordinary Maintenance line items? And, who provides MOT?
- R3)** Coordination of normal maintenance activities with other contractors is required under ordinary maintenance as described in Section 3.4. Efforts associated with the removal, replacement, and reintegration of devices affected by a contractor's work is covered in Section 3.7. See Section 3.10 for Traffic Control information.

Q4) Regarding Section 3.2.7 Communications System Partners: Does Iowa DOT have detailed as-built documentation on the existing communications infrastructure sharing agreements (e.g. details regarding specific fiber paths and connection points), and will these be provided to the Successful Responder?

R4) The Iowa DOT will provide the Successful Responder with detailed as-constructed documentation of all DOT installed fiber infrastructure (e.g., conduit running lines, splice diagrams, termination panel diagrams). For fiber infrastructure owned by others, the Iowa DOT does not have detailed information on running lines or splicing details but will provide the Successful Vendor termination information (e.g., termination panel port assignment, to-and-from information).

Q5) Regarding Section 3.3.3.2 Intermittent Power Systems: Solar Power: Many permanent and portable devices use solar power. These consist of solar panels, mounting brackets, cabling, a solar charge controller, and batteries. The sites have been engineered and designed based on light exposure in Iowa. Successful Responder Responsibility: The Successful Responder is required to maintain all aspects of the solar power sites in the ITS system, including the solar panels, cabling, mounting brackets, and charge controllers.

Is the successful responder also responsible for the batteries?

R5) Maintenance of batteries (e.g. store, test, charge, replace) is the responsibility of the Successful Responder. Procurement of batteries is the responsibility of the Iowa DOT.

Q6) Regarding Section 3.3.3.3 ITS Communications Network: Backbone Network: Successful Responder Responsibility: “This includes maintaining up-to-date documentation of communications system configuration.”: What documentation does Iowa DOT currently have to document the current configuration? What format is this documentation in? Is this available for review now? If not now, will this be provided after award to the successful responder?

R6) The system documentation consists of a combination of as-built communication plans, diagrams, spreadsheets, and backup configuration files. This information will be provided to the Successful Responder upon award. Detailed configuration information or as-built documentation for networks managed by others is not available.

Q7) Urban Networks: Successful Responder Responsibility: “This includes maintaining up-to-date documentation of communications system configuration.”: What documentation does Iowa DOT currently have to document the current configuration? What format is this documentation in? Is this available for review now? If not now, will this be provided after award to the successful responder?

R7) See response to question 6.

Q8) Fiber Optics Communications: Are as-built available for the urban areas for the fiber optics detailing the system?: What documentation does Iowa DOT currently have to document the current configuration? What format is this documentation in? Is this available for review now? If not now, will this be provided after award to the successful responder?

R8) See response to question 6.

Q9) Wireless Communications: Is the “frequency analysis, monitoring performance trends, and design of new connections or re-design of existing connections to improve stability” to be included in ordinary maintenance or is this a capability to be demonstrated and would be provided for either through ordinary rates or after-hour rates and/or a task order?

R9) For existing wireless connections, these activities are considered part of ordinary maintenance as defined in *Section 3.4*. For new or relocated wireless connections, the design and frequency analysis is considered part of *Section 3.7.3 Equipment Installation – Radio*.

Q10) Successful Responder Responsibility: “This includes maintaining up-to-date documentation of communications system configuration.”: What documentation does Iowa DOT currently have to document the current configuration? What format is this documentation in? Is this available for review now? If not now, will this be provided after award to the successful responder?

R10) See response to question 6.

Q11) Section 3.3.3.5 CCTV Cameras: Will the Iowa DOT or the ATMS provider provide access/accounts for the ATMS in order to monitor system-wide performance?

R11) Yes

Q12) Section 3.3.3.5 CCTV Cameras: Will authorized staff of the Successful Responder be given VPN access to the ATMS in order to remotely diagnose and troubleshoot Iowa DOT ITS field assets covered under the contract?

R12) Yes

Q13) Section 3.3.3.6 Vehicle Sensors: Who is responsible for performing polling/data collection of field devices such as Vehicle Sensors? What, if any, responsibilities will the Successful Responder have with respect to data collection/management?

R13) The Successful Responder is responsible to ensure that Vehicle Sensors are correctly configured and calibrated, and that accurate data is delivered into the ATMS according to its configuration requirements. The Iowa DOT and ATMS vendor are responsible for data storage and management.

Q14) Section 3.3.3.6 Vehicle Sensors: If the Successful Responder is responsible for operating and maintaining data collection servers, are these functionally deployed currently, and if so, where? I.e. are these data collection servers hosted at an Iowa DOT facility or other contractor/service provider’s facility?

R14) Operation and management of the vehicle data collection servers is the responsibility of others.

Q15) Section 3.3.3.7 RWIS Equipment: Who is responsible for performing polling/data collection of the Road Weather Information Systems? What, if any, responsibilities will the Successful Responder have with respect to data collection/management?

R15) The Successful Responder is responsible for all aspects of the RWIS system, including sensors, sites, the data collection system, and servers according to Section 3.3.3.7.

Q16) Section 3.3.3.7 RWIS Equipment: If the Successful Responder is responsible for operating and maintaining data collection servers, are these functionally deployed currently, and if so, where? I.e. are these data collection servers hosted at an Iowa DOT facility or other contractor/service provider's facility?

R16) The RWIS server and software is currently Vaisala ScanWeb 6.0, deployed and resided in the data center at Ames. The polling system consists of 4 virtual servers operating Windows Server 2012: 2 of which are collection servers, 1 SQL database server, and 1 web server that hosts the intranet ScanWeb user website.

Q17) Section 3.3.3.7 RWIS Equipment: Will Iowa DOT provide access/accounts for the ScanWeb in order to monitor RWIS performance?

R17) Yes. The Successful Responder will be provided access/accounts and will be required to monitor the RWIS server, ScanWeb software, and RWIS site performance.

Q18) Section 3.8.1 Maintenance Management Systems (MMS): Does Iowa DOT have an existing MMS? If so, can you identify these software systems, and would Iowa DOT consider continuing the use of either or both systems?

R18) The Iowa DOT currently uses Maintenance Online Management Software (MOMS), a TransCore product. The Iowa DOT will consider utilizing any MMS which meets the requirements of the RFP.

Q19) Section 3.8.1 Maintenance Management Systems (MMS): Can a responder propose a hosted or cloud-based solution?

R19) Yes, provided that adequate security is established between the ITS Network and the proposed offsite system.

Q20) Network Monitoring System (NMS): Does Iowa DOT have an existing NMS? If so, can IOWA identify these software systems, and would Iowa DOT consider continuing the use of either or both systems?

R20) The Iowa DOT currently uses ipMonitor, a Solarwinds product. The Iowa DOT will consider utilizing any NMS which meets the requirements of the RFP.

Q21) Network Monitoring System (NMS): Can a responder propose a hosted or cloud-based solution”?

R21) Yes, provided that adequate security is established between the ITS Network and the proposed offsite system.

Q22) Network Monitoring System (NMS): How many concurrent operator seats are required?

R22) The Successful Responder shall provide a minimum of 3 concurrent user seats for utilization by the Iowa DOT and partners in addition to any required for Responder staff.

Q23) Network Monitoring System (NMS): How does the required Maintenance Management System (MMS) software relate to the existing Statewide ITS Maintenance Software (SIMS)?

R23) The NMS will monitor all network devices, including those that connect to the SIMS and other servers on the ITS network. The SIMS software provider will be responsible for

monitoring the servers and software outside of the NMS provided by the Successful Responder.

Q24) Network Monitoring System (NMS): Is the MMS a component of the SIMS or do/will these systems have separate and discrete functions? If they are related, is there any required integration or data sharing between these?

R24) NMS is not a component of SIMS. There is no required integration between the ATMS software and NMS.

Q25) Section 3.11.1 Transition Plan: "Relocation of spare system inventory from current maintenance contractors": Can IOWA DOT provide an inventory listing of the spare parts that would be made available to the successful responder post award, including the condition of the individual equipment and storage location(s) of the items?

R25) The Iowa DOT will provide a complete inventory listing of spare parts to the Successful Responder upon award of the contract. See last page for a partial listing of spare parts. In the table, "CIA" shows spare parts stored in the Des Moines area, "WIA" shows spare parts stored in the Council Bluffs area, and "EIA" shows spare parts stored in the Cedar Rapids area.

Q26) 3.12 Cabinet Consistency: "Task shall be completed prior to December 1st, 2016" According to 3.11 Mobilization / Transition Period (October 3, 2016 > December 1, 2016) we are only to shadow the existing Maintenance Contractors. Please clarify.

R26) The Cabinet Consistency Task shall be completed prior to June 1, 2017.

Q27) 3.12 Cabinet Consistency: Are there 895 sites that will need to be visited or 801 per the bid item? Appendix A says 895.

R27) There are 801 permanent sites with cabinets, and 94 portable sites for which the cabinet consistency task does not apply.

Q28) General: Is a Bid Bond Required?

R28) Per the Solicitation Response Page, no Bid Bond is required for this RFP.

Q29) General: Are the bid items for Ordinary Maintenance based on a per month price? Bid Item is for 19. Please clarify.

R29) Ordinary maintenance is paid on a per month basis. Maintenance responsibilities do not begin until December 1, 2016. There are 19 months of Ordinary Maintenance through the initial contract period.

Q30) General: Can you say which MMS or NMS software is the DOT currently using for ITS Maintenance?

R30) See response to question 18 and 20.

Continued response to question 25

INVENTORY/STORAGE											
Product - Cameras	CIA	WIA	EIA	Product - Radios	CIA	WIA	EIA	Product - Modems	CIA	WIA	EIA
Axis 6045-E	6	3	0	Radwin A / RW 2050-A125	10	4	3	SW - GX400	6	2	0
Axis 6035-E	2	0	7	Radwin A / RW 2050-A110	0	0	0	SW - LS300	9	0	0
Axis 6032-E	14	2	1	Radwin B / RW 2049-B350	3	4	1	SW - RavenX V4221	0	0	0
Product - Power	CIA	WIA	EIA	Radwin C / RW 2050-0200	5	0	2	SW - RavenX V4228	1	1	0
Axis T8123 PoE (10-30)	17	0	0	Radwin C+ / RW 2030-4200	3	0	0	Raven V4321-S	0	0	0
Axis T8124 PoE (20-60)	34	11	17	Radwin RW 5200-0250 (HBS)	9	3	3	Digi Modems	1	0	0
Axis DC Power Supply	14	14	4	Radwin RW 5520-0150 (HSU)	0	4	0	Product - Sensors	CIA	WIA	EIA
EDCO SHA-1210	33	9	17	Radwin RW 5510-0H50 (HSU)	5	1	4	Atutoscope ACIP	0	0	0
Morningstar PS-15A	0	1	0	Radwin RW 5525-0H50(HSU)	22	3	0	Autoscope Solo Pro	0	0	1
Morningstar PS-30A	7	4	1	Product - Antennas	CIA	WIA	EIA	Wavetrix Click 301	18	2	5
Morningstar TS-45	2	2	0	120Deg, 15dBi 12x12	0	0	0	Wavetrix Click 304	2	1	0
Phihong POE61U-560DG	73	19	6	120Deg, 15 dBi 12x20	0	0	0	Wavetrix HD (SS125)	3	1	0
Radwin RW 9921-0050	1	2	1	120Deg, 15 dBi 12x24	0	0	1	Wavetrix HD (SS126)	6	6	0
Radwin RW 9921-0069	3	3	7	90 Deg 3.6GHz Dual Pole Dir	1	0	0	Wavetrix SS105V	17	6	5
Radwin RW 9921-0060	0	1	1	Omni, 12 dBi	7	2	2	Product - Switch	CIA	WIA	EIA
Radwin RW 9921-0110	20	2	5	90 Deg 14 dBi Panel	5	3	2	Control Rocketlinx ES8105	11	15	9
Wavetrix Click 200	10	4	5	Omni Directional iDEN/PCS	2	1	0	Control Rocketlinx ES8510-XT	4	5	6
Wavetrix Click 201	4	5	0	Radome SPD2-5.2 GHz	2	2	2	Product - Misc	CIA	WIA	EIA
Wavetrix Click 202	77	14	6	Radome 3.5 GHz	0	0	0	Standard Cabinets	7	3	0
Wavetrix Click 204	10	0	0	Radwin RW 9061-5001	10	0	0	Padlocks	0	0	0
				Wilson #304203	6	3	3	Intermittent Batteries	51	19	34