



**#2020-36**  
**REQUEST FOR PROPOSAL**  
**GIS DATABASE UPGRADE**  
**FOR ROCK COUNTY LAND RECORDS/LAND INFORMATION OFFICE**  
**COUNTY OF ROCK**  
**JANESVILLE, WISCONSIN**

**ADDENDUM #1**  
**QUESTIONS / ROCK COUNTY RESPONSES**

Rock County's responses are in **bold** and underlined.

1. Can you tell me now - how many ArcGIS Desktop/Pro users actually edit the SDE database? **Six (6)**

2. Would you be open to hosting ArcGIS Enterprise in the Cloud - AWS or Azure?

**Yes, we would be open to the cloud depending on the results of a cost/benefit analysis.**

3. What is the County's budget for this project? **\$15,000**

4. How does the county currently use 911 data in relation to GIS?

**The address points are maintained in the database and exported to a separate set of servers under a different Esri license. 9-1-1 maintains the road network with their servers and exports them periodically to be imported into SDE that is being upgraded in this RFP.**

5. What are current pain points in the legacy system that the county wants resolved in the target architecture?

a. **We are currently on ArcGIS 10.3 and cannot make use of the newest features in the ArcGIS Server environment.**

b. **The architecture currently has separate databases for each department, meaning that the survey points, parcels and planning data (including zoning) are not topologically integrated.**

c. **In order to add maps and apps to the County GIS page, we need submit a ticket to the IT department to update the web page.**

6. What are the number of users for ArcGIS Enterprise (Portal and Server)? **30**
7. How would the county like to roll out the new architecture? Should this be in phases or a single cutover?

**Whichever would cause the least amount of disruption to the end users and still remain within budget. Roll out plans should be addressed by the vendor in their Proposal.**

8. What GIS resources in this architecture will be available for public users?

**Along with the services streamed here:**

**<https://www.co.rock.wi.us:8443/rockpub/rest/services>, we would like to stream the individual basemap data; allow for the download of available data; and add the ability to download imagery and LiDAR data.**

9. What types of services does the current system host, i.e. feature, map, hosted service in data store?

**The County serves map and imagery services at**

**<https://www.co.rock.wi.us:8443/rockpub/rest/services>;**

**There are a few feature services available in the AGO account. We realize that we are not using the feature and image services to their fullest and best extent.**

10. Does the county have sizing available for the target infrastructure, i.e. RAM and CPUs for Portal, Server, and other systems?

**The County should have sizing available, however we expect the vendor to be able to answer that question during the architecture review.**

11. Will the County require an Image Server?

**The County has an Image Server license. We are not using it to its fullest capabilities and would like guidance as to how to best utilize it.**

12. Will SQL Server support a versioned database? **Yes**

13. Will the county consider moving the target architecture to the cloud? **See Question 2**

14. Is the target database SQL Server 2012?

**SQL Server 2012 is NOT the target database. Our target is the newest SQL Server version which GIS will support.**

15. Will services and content need to be migrated from the legacy system to the new system?

**Yes**

16. What 3rd party integrations will need to be considered in the target architecture? **See RFP**

17. What version of ArcGIS Enterprise should be implemented for the target system?

**The latest version beyond the “.0” release.**

18. Will the target architecture need to be high availability/? **Yes, depending on cost.**

19. What is the number of users for ArcGIS Online?

**Currently it is 34, but that includes users for the Esri Disaster Response Program. We typically have 30 or so licenses available, but only a handful of active users. We anticipate that this number will increase and we will need to re-evaluate the license structure as more users start using ArcGIS Pro.**

20. How many GIS applications does the County have?

**Current web applications can be found here: <https://www.co.rock.wi.us/land-record-maps-apps-data>; here: <https://rockcountylio.maps.arcgis.com/home/index.html>; and the HUB here: <https://coronavirus-response-rockcountylio.hub.arcgis.com/>. We would like to create a hub to replace the county GIS page.**

21. What are current county workflows for users?

**Varies by department and end use. The most inefficient workflow is addressed in questions 4 and 5. There is one editor in Planning, and 2 editors each in Real Property and Surveyor databases.**

22. How many and what departments does this GIS support?

- a. **Communications Center – 911 to a limited extent as seen in question 4**
- b. **Land Conservation**
- c. **Planning, Economic & Community Development**
- d. **Public Health-to a limited extent**
- e. **Public Works- So far just Parks, Highway has expressed interest**
- f. **Real Property Lister**
- g. **Register of Deeds – Would like to incorporate Fidlar as described in the RFQ**
- h. **Surveyor**
- i. **Treasurer – View only**
- j. **Others to be discusses in architecture review**

23. What is the current product operating model? **ITIL**

24. What is the delivery model around the project (i.e. deployment strategy)? **See Question 7.**

25. What are current dependencies, i.e. integrations? **See RFP**

26. Does the training phase indicate that there will be new eGIS strategies for county users? **Yes**

27. What is the anticipated time frame for this work to be done?

**The County would like to see work completed in 2021.**

28. Who is the county's current GIS vendor?

**Other than Esri, the County does not have a vendor**

29. What method will the county want to use for sign on and federation (Active Directory or SAML?) **Active Directory**

30. Should consultants be on-site or remote to provide technical support (phase 3)?

**That depends on the current phase of the pandemic. While we would like to meet in person, we realize that may not be feasible.**

31. Should phases 1 and 2 be done on-site or can they be done remotely?

**Remotely at this time.**

32. What types of network load balancers does the county currently use?

**The County does not use load balancers.**

33. Can the county provide its current deployment strategy? **For GIS? See question #7.**

34. If travel onsite is required, are those costs reimbursable?

**This shall be included in total project cost.**

35. Do we need to register with any other government agency, such as the State of Wisconsin, in order to bid?

**Vendors must be licensed to do business in the State of Wisconsin if required by law.**

36. What is the county's preferred format for pricing and cost details for this RFP?

**Phases 1 & 2 should be an all-inclusive cost per phase. Phase 3 should be an hourly rate.**

37. With regards to proposal submission and delivery, has the county considered allowing for digital submission to limit exposure and risk, as well as potential shipping delays relating to Covid-19?

**No, the Proposer is required to submit five (5) copies (one original marked as such and four copies) of their proposal in a sealed envelope marked RFP #2020-36 to Jodi Millis, Purchasing Division, 51 South Main, Janesville, WI 53545. All proposals must be received by 12:00 noon (local time), October 14, 2020. Any proposal submitted after this date and time will be rejected. No faxed or electronic proposals will be accepted. It is the vendor's responsibility to make sure they use a delivery method that guarantees delivery by the due date and time.**

38. How is the project scheduled and how is the contracting duration planned? **See question 27.**

39. For the completeness of the project documentation there might be a section B on page 12 of the proposal. If so, could you please share this section? **There is no Section B.**

40. How you would like to get a cost proposal/execution of the proposal? Do you need a total cost, or any further details on calculation? (Total cost or hourly basis) **See Question 36.**

41. How long after the award date will the project begin? **As soon as possible.**

42. What is the current budget for this project? **See Question 3.**

43. Due to ongoing pandemic situation and restrictions, is it technically feasible and acceptable to the County for this work to be done remotely using a VPN? If pandemic situation is ongoing for a longer time period, is it also possible to plan the onsite training in Phase 2 remotely? **See Questions 30 & 31.**

44. Are there any add-ons developed on ArcGIS Server or ArcGIS Desktop products? If any, can you provide us the number? Are these add-ons expected to be upgraded? If expected, are source codes available? (page 10, 1f) **No**

45. Are you using ArcGIS Workflow Manager? If so, how many different workflows are available? Are there any customized steps used in these workflows? (page 10, 1f)

**We do not use Workflow Manager.**

46. Do you have applications developed with ArcObjects or ArcGIS Engine? If any, can you provide us the number? Is an upgrade of these applications requested? If so, are source codes available? (page 10, 1F) **No**

47. Do you have web applications developed with ESRI libraries? (page 10, 1f) **No**

48. Are there any procedures, triggers or packages created in the database? **No**

49. Is the GIS data updated from the database in any way? (With 3rd party applications etc.) (page 10, 1f) **GIS data is updated using ESRI software only.**

50. Is there a service or tool deprecated after the 10.3.1 version used within the 3rd party applications? (Page 10, 1f) **No**
51. Is there a service or tool deprecated after the 10.3.1 version in the 3rd party applications you use? **See Question 50.**
52. What is the maximum number of users to access the system? (page 10, 3) **See Question 3.**
53. Can we submit our proposal electronically? **See Question 37.**
54. Is Rock County requesting a Fixed Fee proposal or a Time and Materials proposal?  
**See Question 36.**
55. Is it expected that the target environment will be hosted on-premises at Rock County?  
**See Question 2.**
56. Is the County open to a cloud hosted environment? **See Question 2.**
57. Are the VMWare server instances used for GIS servers shared with any other applications or systems? **No, they are dedicated for GIS only servers.**
58. Is the SQL Server instance used for the geodatabase shared with any other applications or systems? **No**
59. Is the County open to Phase 1 and Phase 2 being done remotely by contractor staff (via web meeting or remote desktop), or is onsite implementation required? The COVID-19 pandemic makes travel uncertain and could introduce project delays that would be easily mitigated by working remotely. **See Questions 30 & 31.**
60. Is it a requirement that the consultant be on site to perform the implementation and training or can these tasks be done remotely given the uncertainty with COVID?  
**See Questions 30 & 31.**
61. Does the architecture review include a review and recommendations of VMWare hardware or just recommendations for virtual server configurations?  
**Only virtual server configurations.**
62. In addition to automated workflows for Enterprise Geodatabase maintenance (SDE), what existing workflows does the County expect to require automation? **None at this time.**
63. How many ArcMap and ArcGIS Pro installations does the County have, and are the licenses single use or concurrent? **A combination of single-use and concurrent.**
64. How does the County want the "Follow up technical support" to be scoped? Hourly rates as needed, or lump sum with a defined number of hours? **Hourly**

65. Please describe the nature of the existing reporting and data workflows that the new GIS design must support.

**The County does not currently have documented workflows. See Question 5.**

66. In the RFP, the County requires that the new GIS design “Improves GIS data workflow and data management practices”. What current GIS data workflow and data management practice challenges is the County experiencing that you would like to solve?

**See Question 5b.**

67. Should the new GIS be accessible from both inside and outside the County’s network? **Yes**

68. The scope of services indicates the following categories must be addressed in the design of the new system; please provide the additional info requested below:

a. Analytics – Is this referring to GeoAnalytics Server, GIS Analytics in ArcGIS Desktop, or something else? **GIS Analytics in ArcGIS Desktop**

b. Mapping, Data Visualization, and Interactive Maps – Is this requesting this functionality be available in the new system through ArcGIS Enterprise or something else?

**ArcGIS Enterprise**

c. Sharing and collaboration – Is this referring to setting up a collaboration between ArcGIS Online and Portal for ArcGIS or something else? **Sharing and Collaboration within County departments, and inter-governmentally.**

d. Automation – please define what requires automation. **See Question 62.**

e. Load balancing – Is this referring to load balancing with IT appliances for high availability, load balancing with ArcGIS Web Adaptors, or something else? **High availability**

f. Required third party applications – what are the third party applications and what are their requirements of the new GIS? **See RFP.**

g. How many Geodatabases does the County maintain? **See Question 5.**

69. How many ArcGIS Server Sites are currently participating in the County's ArcGIS Enterprise deployment? **One**

a. Are these sites single-machine or multi-machine sites? **Single**

70. Is the SQL Server on a separate machine from the ArcGIS Server? **No**

71. Is the Web Adaptor on a separate machine from the ArcGIS Server? **Yes**

72. Please provide the following licensure details:

**To be determined during architecture review**

a. Number of 10.8.x ArcGIS GIS Server Advanced Licenses:

b. Number of 10.8.x ArcGIS GIS Server Standard Licenses:

c. Number of 10.8.x ArcGIS GIS Server Basic Licenses:

d. Number of 10.8.x ArcGIS Image Server Licenses:

e. Number of 10.8.x Portal Level 2 Named Users:

73. Does the current ArcGIS Enterprise deployment conform to Esri's Web GIS (Base Deployment+) design pattern (i.e. Federated ArcGIS Server Site(s), Hosting Role, etc.)? **No**

74. Does the County currently have a non-Production Enterprise GIS deployment? **No**  
Or does the county only leverage a Production Enterprise GIS deployment? **Yes**
75. About how many GIS Web Services are currently published to the organization's ArcGIS Server Site(s)? **See Questions 8 & 9.**
76. Is the current Production Enterprise GIS public-facing, internal-facing, or both? **Public Facing**
77. If the GIS is not currently public facing, does the organization plan for the upgraded ArcGIS Enterprise deployment to be public facing? **See Question 76.**
78. Does the organization leverage Active Directory (AD) authentication for its current GIS?  
**See Question 29.**
79. If the GIS does not currently leverage AD authentication, does the organization plan for the upgraded ArcGIS Enterprise deployment to leverage AD authentication? **See Question 29.**
80. Does the organization require HTTPS communication internally and externally? **Yes**
81. Does the organization have an internal Certificate Authority (CA) for the creation of trusted HTTPS certificates for internal-facing machines? **Yes**
82. Are the SQL databases configured as Esri Enterprise Geodatabases? **Yes**  
a. If so, what geodatabase version(s) are the Enterprise Geodatabases configured as? **10.3**
83. Can the county provide a more specific list of the automated tasks/workflows that they are looking for GTG to develop? **To be discussed during architectural review.**
84. Does the implementation of the new system need to include vendor performed migration of services or Portal for ArcGIS content?  
a. If so, how many services and Portal web maps, Applications and Layers will need to be migrated? **To be determined during architectural review See Questions 8 & 9.**
85. Does the County already use ArcGIS Portal? **We do not currently use portal.**
86. Approximately how many ArcGIS Desktop/Pro users are there? **See Question 6.**
87. Will the selected firm have remote access to help service the GIS system? **Yes**
88. In Phase 1 Section 1f, the County mentions third party software. What third party software does the County currently use? **See RFP.**
89. What Computer-Aided Dispatch or 9-1-1 communications software or protocols are currently in use? **See Question 4.**
90. Is remote support acceptable as a means of minimizing costs and keeping COVID-19 best practices in mind? **See Questions 30 & 31.**

91. Would the County be able to provide a draft contract? **No**
92. Does the County have existing requirements on the availability of the GIS services?  
**No existing requirements but can be determined during architectural review.**
93. Is there a register of all data that needs to be moved in the migration?  
**Will be determined during the architectural review**
94. Is there a list of new data (if any) that will be needed for implementation? If so in one or both cases can those lists be provided? **Will be determined during the architectural review.**
95. Are there web maps and applications that will need to be created or recreated in Portal and if so what are they? **Determined during architectural review. See questions 8 and 9.**
96. Are there any public facing maps that will need to be created and if so what are they? **No**
97. What 3<sup>rd</sup> party applications will need to be included for implementation if any? **See RFP.**
98. Can we assume that all software, tools and 3<sup>rd</sup> applications will be purchased separately and those costs will not be included in our proposal? **Yes**
99. Approximately how many editors will be needed? **See Question 1.**
100. What are your expectations for field data collection? **None at this time.**
101. What 3<sup>rd</sup> party applications are being looked at (Survey123)? Any clarification on field data capture would be helpful. **See RFP and Question 100.**
102. Can you disclose the budget for this project? **See Question 3.**
103. Can you confirm that this is a fixed fee project? If not, can you please state how it should be priced? **See Question 36.**
104. Is there an estimated project duration or deadline of completion? **See Question 27.**
105. Can accommodations be made for tasks that are specified to take place on-site to be performed remotely instead (with on-site County assistance as required), especially during the pandemic? **See Questions 30 & 31.**
106. It is assumed that the County will provide all hardware, software, and licenses, including Esri, database(s), server, third party tools, etc. Can you please confirm? **Yes**
107. Can you describe the size of your current system? Number of users? Database size/number of records, etc.?  
**For the number of users see question 6. The rest will be discussed during architecture review.**

108. What current ArcGIS Enterprise licenses does the County currently pay maintenance for (i.e. ArcGIS Enterprise Standard/Advanced)? **2 ArcGIS for Server Standard Enterprise**
109. Does the County currently utilize Infrastructure as Code (IaC) software such as Terraform or Continuous Configuration Automation (CCA) software such as Chef or PowerShell DSC for solution deployment? **No**
110. Is the anticipated hosting platform an on-premise virtualization environment (e.g., VMware) or is the County interested in cloud deployment options? If the former, does the architecture effort assume that new/upgraded ArcGIS Enterprise solution will be deployed to existing virtual infrastructure, or will the architecture effort require specification of physical hardware to expand the virtualization infrastructure in support of the new/upgraded ArcGIS Enterprise solution?
- Anticipated to be on-premise. However, cloud deployment is an option depending on cost. Recently installed VMware. So, assume on-premise deployment to be on existing virtual infrastructure.**
111. Will the architecture effort require specification of physical hardware to expand and/or modernize the virtual desktop infrastructure to support the GPU requirements of ArcGIS Pro? **See Question 110.**
112. Is the architecture effort required to design for any non-production environments? If so what non-production tiers are required (e.g., development, test, staging, user acceptance, etc.)? **No, but to be determined during architectural review.**
113. Will the architecture effort need to accommodate any service level or operational level agreements, fit within disaster recovery or continuity of operations plans, or meet specific requirements for recovery time or recovery point objectives? If so, please provide those parameters.
- There are no specific requirements as we are currently working on those plans. To be determined during architectural review.**
114. Does the County have monitoring or reporting for the current system in terms of users, hits, service response times, system utilization, or other metrics which may inform sizing and other design considerations of the architecture effort? **Google Analytics**
115. Does the County currently have an Enterprise Agreement with Esri? If not, how many ArcGIS Enterprise (development, staging, production) are licensed and available for this project? Likewise, how many ArcGIS Desktop (ArcMap or ArcGIS Pro) are licensed and available for this project?
- 2 ArcGIS for Server Standard Enterprise licenses. Currently, have both concurrent and single-use desktop licenses which can be adjusted depending on the architectural review.**

116. *Section A* of the RFP *Scope of Work* includes the following service, “ArcGIS Enterprise Implementation, to include upgrading to the latest release of ArcMap and ArcGIS Pro.” Does this mean all client machines? If so, how many will need to be upgraded.

**No, our internal IT staff would upgrade most of the client machines.**

117. *Section B* of the RFP *Specifications* states, “The consultant will work on site to implement the solution as agreed upon in Phase 1 of this request.” Given ongoing pandemic concerns, would the County consider allowing this work to be performed remotely, which would also reduce travel costs? **See Question 30 & 31.**

ROCK COUNTY, WISCONSIN  
FINANCE DIRECTOR

PURCHASING DIVISION  
FAX (608) 757-5539  
PHONE (608) 757-5517



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**ADDENDUM #1  
QUESTIONS / ROCK COUNTY RESPONSES**

**SIGN AND RETURN THIS FORM WITH PROPOSAL.**

COMPANY: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE RECEIVED: \_\_\_\_\_