	CITY OF O'FALLON, MISSOURI
	PURCHASING DEPARTMENT
	100 North Main Street
	O'Fallon, MO 63366
	T: (636) 379-5527

RFP NUMBER:	**24-032**	**RFP ISSUE DATE:**	**03/15/2024**
RFP DESCRIPTION:	**MANAGED CLOUD-BASED INFRASTRUCTURE FOR GIS**		
RFP OPENING DATE:	**04/04/2024**	**RFP OPENING TIME:**	**12:00PM CDT**

March 27, 2024

ADDENDUM #1

The purpose of this addendum is to address all questions received on or before 03/26/2024 at 12:00 PM. The time period for questions is closed.

Questions:

1. What is the current version of ArcGIS Server and GeoEvent Server?

   Answer: We are currently running three, 10.5.1, 10.8.1, and 10.9.1

2. Does the City have a budget for the professional services or Cloud services portions of this engagement?

   Answer: Yes

3. Does the City have an existing Cloud provider such as AWS, Azure, or Google?

   Answer: Although City does have existing Cloud provider for different purposes, it won't be utilized for this project. Our preference is towards AWS or Azure (where all ArcGIS workloads are run directly from the public Cloud).

4. How many existing map services does the city have?

   Answer: Currently 273 map and/or feature services

5. Is the existing ArcGIS Server and GeoEvent Server public facing?

   Answer: Yes, all of them are public facing.

6. Does the City currently use a proxy appliance such as a load balancer, if so what type and what are the configurations?

Answer: No

7. How many feature classes, tables does the City maintain in the existing enterprise geodatabase?

   Answer: A little over 500 across several SQL geodatabases

8. What kind of enterprise geodatabase does the City currently use? SQL, PostgreSQL, Oracle?

   Answer: SQL

9. What version said database is the City currently using?

   Answer: Currently two different ones. v14 and v12

10. Is the City open to replatforming to another database option if it makes sense i.e. SQL to PostgreSQL?

    Answer: Not at this time.

11. What are the City's security standards and compliances that this system should be designed for?

    Answer: We have to at least follow any federal mandate security standard that are described in this link. https://navisec.io/state-and-local-government-cyber-security

12. How many existing environments are on-premises? How many environments should be in the cloud?

    Answer: There are currently six ArcGIS Servers with GeoEvent Server running. Initially, one cloud-based ArcGIS/GeoEvent Server environment to start with.

13. Should City users and IT staff have access to Cloud resources such as a API access or a management console?

    Answer: Yes

14. Will there ever be more than 3 concurrent desktop users?

    Answer: Possibly, but not in the foreseeable future.

15. In the proposal it is noted that the City will publish all data, should the vendor migrate the data to the target environment or will the City do that as well?

    Answer: Migration of map services, maps, and data will be handled by the City. We will need the ability to create databases as required for different needs.

16. Which versions of ArcGIS Server will need to be maintained simultaneously and why?

Answer: For the cloud environment, we would be looking at running 10.9.1 and 11.x so that map transitions can be evaluated across different versions for compatibility.

17. Does the City leverage an Identity Provider such as Entra ID? If so, what is it and will should it be integrated into the proposed solution?

    Answer: Yes, We use Entra ID to manage our users in Azure AD. However, we operate in hybrid mode (on-prem AD to Azure AD)

18. What are the current hardware and virtualized specifications for ArcGIS Server and the local workstations or servers where users use ArcGIS Pro and Desktop?

    Answer: For workstations we are running Thinkstation P360 with Intel Core i9-12900, 16 Cores, 64GB RAM. For virtual servers they are ballpark of 8-10 CPUs, 32-72GB RAM, OS drive 250GB and storage drive of 750GB-1.5TB

19. Will this new installation include a Portal for ArcGIS and a Data Store to make it ArcGIS Enterprise?

    Answer: No, currently we are not running Portal, and do not anticipate running it in the foreseeable future.

20. What are the uptime requirements for a cutover? Will the City operate the on-premises environment in parallel to make sure cutover is successful?

    Answer: Yes, the current environments will remain in place as we transition to the cloud environment.

21. For Disaster Recovery and Business Continuity, what is the recovery point objective and recovery time objective?

    Answer: We are currently running full backups nightly and could recover everything up to the previous days work. Individual feature recovery is also possible in the event of editing errors.

22. What is the most number of concurrent users that the system (ArcGIS Server and GeoEvent Server) has had?

    Answer: If you are referring to internal users for publishing, the most would be three. As for the number of external map users, that number I do not have.

23. What are the business use cases for ArcGIS Server and GeoEvent Server?

    Answer: To provide maps and information across multiple departments to make their jobs easier. The system currently has maps and applications for Water & Sewer, Stormwater, Streets, Police, Parks, Environmental Services for trash and recycle pickup to name a few.

24. Does the CIty have an ArcGIS Online organization?

Answer: Yes

25. Why will data need to be replicated to an on-premises environment?

Answer: For use in other non-GIS related applications and databases.

26. What is the City's existing network bandwidth that is available for hybrid network connectivity?

Answer: Existing bandwidth is available for hybrid connectivity although this is not a preferred solution.

27. What are integrations that the system should be designed for? CityWorks? Cartegraph? Laserfiche?

Answer: Laserfiche is the only other application we are interfacing with, and it will remain on-premise.

28. Will this solution need to have a network connectivity established between the selected Cloud and the on-premises environment?

Answer: No. Cloud Connect mode (where direct private connection is established between on-prem environment and cloud provider) is not a preferred solution that City is looking for. Scope of the RFP is that workloads are run directly from the Public cloud utilizing Cloud compute, storage and network infrastructure.

29. What are the onsite databases where the cloud should replicate to? Are these Enterprise Geodatabases?

Answer: They will be SQL running on a server in-house.

30. Does the City have a required or preferred cloud platform (AWS/Azure)?

Answer: See answer to #3 above.

31. Will the City own and administer the cloud platform (AWS/Azure) or does the City require that the vendor own and administer the cloud platform?

Answer: We would consider the cloud platform part of the "Managed Services" provided by the vendor.

32. How many VMs does the City require for the implementation, considering the requirement to run and support multiple ArcGIS Server versions simultaneously?

Answer: In our current configuration running in-house, each server installation can run its own version of the ArcGIS software since they are single-machine installations. How this translates to the cloud environment, I'm not sure.

33. Will the City require any vendor assistance with updating desktop or web based GIS solutions or apps after the GIS web services are migrated to the cloud?

Answer: As for the current web maps and applications that are utilizing our GIS to provide maps and information to the different departments, no, we will be updating and maintaining those. As for the ArcGIS software and all its related operating environments, yes, those would fall within the "Managed Services" component.

34. Could we ask for an opportunity to have a high-level meeting in regards to this RFP or would that be a better question to put on our Questionnaire that's due tomorrow?

    Answer: We would ask that you respond the best you can, and we will review all submittals accordingly.

35. Will the City grant an extension to the response?

    Answer: No

36. Is the City of O'Fallon facing a specific deadline? If so, what's the cause and date of the deadline?

    Answer: The primary "deadline" we have is that the money budgeted for this implementation is for this calendar year, so it must be completed before year end.

37. ESRI has ArcGIS Online (Saas-based solution). Is that being considered?

    Answer: We already use ArcGIS Online for map applications.

38. Have you outsourced your on-prem ESRI ArcGIS services? If yes, who is the incumbent and are you looking to modify that existing relationship with this solicitation?

    Answer: No

39. Within the scope of this RFP, will the City of O'Fallon have an application modernization strategy that includes the need for a unified platform that can run both virtualized and newly containerized applications supporting City functions?

    Answer: Any application changes or updates will be handled by City GIS staff.

40. Is there a current cloud committed spend? If yes, which cloud provider?

    Answer: Currently the only cloud presence for City GIS is ArcGIS Online via our Enterprise Licensing.

41. In order to size this effectively, please provide current sizing for the self-managed on-prem ESRI ArcGIS environment and growth projections (e.g. current number of VM's, VCPU's, etc.)

    Answer: See answer to #18 above.

Reminder:

The due date and time remain the same for this project. This is to remind all bidders that sealed proposals for RFP #24-032 Managed Cloud-Based Infrastructure for GIS must be submitted by 12:00 P.M. CDT, April 4, 2024 to:

> Christine Grabin, Purchasing Agent
> City of O'Fallon, Missouri
> 100 North Main Street
> O'Fallon, Missouri 63366

Addendum information will be available over the Internet at www.ofallon.mo.us. Adobe Acrobat® Reader may be required to view this document. We strongly suggest that you check for any addenda a minimum forty-eight hours (48) in advance of the bid deadline. Due to revisions, the bidders must acknowledge the Addendum(s) on the bid form.