ADDENDUM #1
Parks and Open Space / Public Works
Asset Management Implementation
RFP # 7455-23

April 12, 2023

The attached addendum supersedes the original Information and Specifications regarding RFP # 7455-23 where it adds to, deletes from, clarifies or otherwise modifies. All other conditions and any previous addendums shall remain unchanged.

Please note: BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org**.**

In the proposal submittal, please respond to this additional item under "AMS Specific Questions" on page 19 of the original RFP:

Describe whether the AMS field applications, reports, mapping, browser interface, and other products are available in both English and Spanish.

1. Question: Can companies from Outside USA can apply for this (like, from India or Canada)?

   ANSWER: We welcome proposals from all qualified, experienced vendors.

2. Question: Do we need to come to your location for meetings?

   ANSWER: Boulder County will select a vendor that is in its best interest and would prefer a vendor who is available to meet in person. Many of the tasks and deliverables (pages 12-16 of the RFP), may require in person meetings and interaction to be successfully completed, including Training. In addition, as stated on page 35 of the RFP, 'Evaluation Criteria', "… the top 3-5 vendors will be selected for interviews and demonstrations of their AMS." If the trainings and demonstrations warrant in-person, field-based examples of how the AMS works, then yes, the vendor will need to come to Boulder County, Colorado.

3. Question: Can we perform the tasks (related to RFP) outside USA (like, from India or Canada)?

    ANSWER: Boulder County will select a vendor that is in its best interest.

4. Question: Can we submit the proposals via email?

    ANSWER: BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org.

5. Question: Is there a desired "Go-Live" date?

    ANSWER: The anticipated go live date for priority tier 1 assets will be in the first half of 2024 with the estimated initial completion of the first phase of the project by Q3 2024.

6. Question: What is the current AMS system?

    ANSWER: Boulder County currently does not have an Asset Management System.

7. Question: What is the motivation to replace this system?

    ANSWER: Boulder County currently does not have an Asset Management System, so we are not replacing an existing system. We provided a detailed description of the purpose, goals, and objective for having an AMS under "Boulder County Overview" (pages 7-9) and "Goals and Objectives" (pages 9-12) in the RFP.

8. Question: Does the County have an approximate budget for this project that can be shared?

    ANSWER: Funding for the procurement and implementation of an AMS was approved in Boulder County's 2023 budget. We believe we have adequate funds for the tasks outlined (page 12) in the RFP for 2023. Although Boulder County is committed to incorporating an AMS into our day-to-day operations in future years, funding needs to be approved by the County Commissioners on an annual basis.

9. Question: What is the form and format of existing asset data to be migrated into the new platform (Work Order information, photos, related data)?

    ANSWER: Currently individual work groups from both Public Works and Parks and Open Space departments use different methods to track assets and

prioritize maintenance needs. Some work groups have better tools than others, and there is no process in place to systematically and proactively forecast maintenance needs, including required budgets, staff resources, and prioritization of asset maintenance across entire departments. Current systems include GIS, spreadsheets, Word documents, notebooks, and customized databases. Related information, such as photos, design plans, as-builts, etc., are stored on personal and shared drives.

10. Question: Are there existing workflows that define business processes related to the maintenance of various asset types?

    ANSWER: Within Parks & Open Space and Public Works, staff have a wide mix of assets, data, processes, workflows, and reporting that are similar and at times interdependent. However, in many cases, these items are managed independent of one another by individuals and work groups. Individual work groups independently collect, maintain, and analyze data and information about their respective assets. This information may be limited, incomplete, and/or dispersed in multiple locations making it difficult for planning and prioritizing maintenance activities, creating work plans, and reporting on their assets. While a few groups have devised systems to better assess and track their assets, others have been consumed by new capital projects, emergency repairs, and other priorities to focus on the long-term maintenance of their assets, leading to inefficiencies and a significant maintenance backlog. Where work groups are tracking their assets and maintenance projects, they're primarily using self-customized Excel spreadsheets, as well as GIS at Public Works. At Parks and Open Space, many assets and their current conditions and maintenance activities are tracked in GIS to varying degree. There are a few Alpha 5 databases that lightly track maintenance efforts as well.

11. Question: How many asset types are included/or will be included in the current/new system?

    ANSWER: Lists of asset types are in Tables 3 and 4 (page 21 in the RFP), which represent most assets under consideration for an AMS. Quantities are in the tables within this answer below. Asset datasets are regularly updated as assets are acquired and disposed of. Additionally, Boulder County plans on including more assets into the AMS over time, once implemented.

    Some current counts of assets in GIS include:

Parks & Open Space Assets	Count
Agricultural Features	350
Stock Tanks	30
Ditch Features	2231
Escape Ramps	35

Fences	1858
Gates	1525
Ground Culverts	5
Park Amenities	735
Buildings	357
Sign Faces	2572
Signposts	1966
Trails	335
Emerald Ash Borer Trees	1961
Trees	1971

Public Works Assets	Count
Roads	2,000
Guardrails	700
Road Signs	9,000
Named Street Signs	1,200
Curb and Gutter	900
Road Markings	<<unknown>>
Roads with Striping	1,100
Bicycle Facilities	100
Traffic Calming Devices	100
Streetlights	120
Bridges Structures and Culverts	9,600
Sidewalks	1,200
Curb Ramps	1,100
Crosswalks	550
Gates	50
Signals	17
Stormwater Inlets	400
Stormwater Manholes	250
Stormwater Open Channels	160
Stormwater Outfalls	300
Stormwater Outlets	125
Stormwater Storm Sewers	420
Stormwater SWMF	75
Retaining Walls	50
Road Right-of-Way	2,000
Shoulders	400
Tunnels	1
Underpasses	<<unknown>>
Buildings	150
Boilers	<<unknown>>
HVAC Systems	<<unknown>>
Parking Lots	5
Fueling Stations	8
Biomass Central Plant	2

Solar Panel Arrays	5
Gravel Pits	5
Wastewater Plant	1
Resource Conservation Facilities	10
EV Charging Stations	20
Traffic Stations	420
Fleet Vehicles	900

Questions 12 through 18 pertain to the same general topic, quantity and existing tracking of **vertical assets**. A quick Google search indicates that a "vertical asset" commonly refers to a facility or utility (e.g. wastewater facility, library, cell phone tower, industrial plant, solar array), and *does not necessarily include* office buildings.

ANSWER: Boulder County maintains vertical asset as-builts in AutoCAD/DWG format. However, Boulder County does not plan to include floor plans and comparable-level details in the AMS. Rather, the intent is to track vertical assets in the AMS on a broad level to track overall condition, account for work-order tracking and a potential parent/child relationship between the facility and large features like boilers, HVAC systems, pumps, generators, tanks, etc. Total square footage is currently unknown.

12. Question: What is the size of the total portfolio of buildings to be managed in terms of Sq. Ft. of facility space?

   ANSWER: See the paragraph before question 12.

13. Question: Does the County maintain As-Built drawings for the vertical assets?

   ANSWER: See the paragraph before question 12.

14. Question: Are the drawings Updated and Current in the DWG Format?

   ANSWER: See the paragraph before question 12.

15. Question: Are the current AutoCAD / DWG drawings layers standardized and consistent throughout the drawings to show space and asset locations?

   ANSWER: See the paragraph before question 12.

16. Question: Are the drawings polylined to facilitate space management?

   ANSWER: See the paragraph before question 12.

17. Question: Is there any requirement to use and maintain these drawings as a part of the new AMS?

   ANSWER: See the paragraph before question 12.

18. Question: Does the County have existing 3-D drawings for vertical assets?

   ANSWER: See the paragraph before question 12.

19. Question: Are the integrations with the Boulder County's existing systems bi-directional?

   ANSWER: No.

20. Question: What is the current inventory/resource control system? Is there any need to integrate the current inventory system?

   ANSWER: Though the term "control system" is not clear, Boulder County is open to prospective solutions presented in the proposals.

21. Question: How many warehouses are used to store and manage the inventory?

   ANSWER: Fewer than 10.

22. Question: What is the expected (existing) volume of ad-hoc and PM work orders?

   ANSWER: Boulder County does not track the number of ad-hoc and Preventative Maintenance work orders. However, with numerous public assets that are subject to emergency maintenance needs and public requests (e.g., damaged trails during high rainfall events, traffic signs damaged during accidents, etc.), ever-changing work orders are a regular part of the county's work.

23. Question: Does the County plan to implement new or existing workflows?

   ANSWER: Both. Some work groups have established workflows for their asset tracking and maintenance, which will be integrated into the AMS where applicable. Other work groups' workflows, however, will need to be established or refined to fit the AMS. At Parks and Open Space, for example, 70 staff members are out in the field every year collecting data using their mobile device and ESRI's Field Maps app. It is important to continue collecting data this way as this GPS program has been recently updated, is well established and staff knows the workflow. This ESRI product works seamlessly with our ArcGIS Online organizational account and password protected feature services that have already been set up to collect the data.

24. Question: Does the County have an existing library of PM procedures to be loaded into the system? Are they available for all asset classes?

   ANSWER: No.

25. Question: What is the expected User Base for this system?

ANSWER: On page 20 of the RFP, Table 2, there is an "Estimated # of Seats". Of those 220 seats, we estimate that there could be as many as 110 concurrent users.

26. Question: Can you define the user base in terms of access requirements?

    The answers to the following questions are approximate, and subject to change depending on multiple factors, including the selected AMS.

    ANSWER: The specific users and estimated number of seats is provided in Table 2. The user base will range from database administrators with full access to the entire AMS to field staff collecting data in the field on their specific assets to directors and other decision makers pulling reports with read-only access. Additionally, two teams of Data Solutions and GIS staff will carry responsibility for spatial features.

    Expected number of Primary users with access to the entire portfolio of information?

    ANSWER: Less than 10.

    Number of users with limited access to specific sites?

    ANSWER: Approximately 200.

    Number of restricted users who can simply submit and track work requests?

    ANSWER: Approximately 60.

    Users who may only have read-only access to information?

    ANSWER: Less than 25.

27. Question: What is considered an asset?

    ANSWER: An asset, as defined by Boulder County, is primarily a human built, physical amenity, facility, improvement, and/or structure that has been installed and/or maintained by Boulder County for use directly or indirectly by staff and the public. Examples are provided under "Boulder County Overview" (pages 7-9) and in Tables 3 and 4 (page 21) in the RFP. In addition, the county is also interested in using the AMS to potentially track the management of natural and agricultural resources in the future as stated in Objective 1v (page 11) in the RFP.

28. Question: What are the types of assets?

   ANSWER: Examples are provided under "Boulder County Overview" (pages 7-9) and in Tables 3 and 4 (page 21) in the RFP. In addition, the county is also interested in using the AMS to potentially track the management of natural and agricultural resources in the future as stated in Objective 1v (page 11) in the RFP.

29. Question: What is the total quantity of each asset type?

   ANSWER: Lists of asset types are in Tables 3 and 4 (page 21 in the RFP), which represent most assets under consideration for an AMS. Quantities are in the tables within this answer below. Asset datasets are regularly updated as assets are acquired and disposed of. Additionally, Boulder County plans on including more assets into the AMS over time, once implemented.

   Some current counts of assets in GIS include:

Parks & Open Space Assets	Count
Agricultural Features	350
Stock Tanks	30
Ditch Features	2231
Escape Ramps	35
Fences	1858
Gates	1525
Ground Culverts	5
Park Amenities	735
Buildings	357
Sign Faces	2572
Signposts	1966
Trails	335
Emerald Ash Borer Trees	1961
Trees	1971

Public Works Assets	Count
Roads	2,000
Guardrails	700
Road Signs	9,000
Named Street Signs	1,200
Curb and Gutter	900
Road Markings	<<unknown>>
Roads with Striping	1,100
Bicycle Facilities	100
Traffic Calming Devices	100

Streetlights	120
Bridges Structures and Culverts	9,600
Sidewalks	1,200
Curb Ramps	1,100
Crosswalks	550
Gates	50
Signals	17
Stormwater Inlets	400
Stormwater Manholes	250
Stormwater Open Channels	160
Stormwater Outfalls	300
Stormwater Outlets	125
Stormwater Storm Sewers	420
Stormwater SWMF	75
Retaining Walls	50
Road Right-of-Way	2,000
Shoulders	400
Tunnels	1
Underpasses	<<unknown>>
Buildings	150
Boilers	<<unknown>>
HVAC Systems	<<unknown>>
Parking Lots	5
Fueling Stations	8
Biomass Central Plant	2
Solar Panel Arrays	5
Gravel Pits	5
Wastewater Plant	1
Resource Conservation Facilities	10
EV Charging Stations	20
Traffic Stations	420
Fleet Vehicles	900

30. Question: Is Software Asset Management in scope?

   ANSWER: No. The scope of this RFP does not include the need to track computer software or hardware programs and/or systems.

31. Question: Is there a dollar value for something that is considered an asset vs disposable?

   ANSWER: No, not currently.

32. Question: How do you define asset condition scoring?

ANSWER: Asset condition scoring is a process for rating the status of individual assets based on objective standards set for each asset that reflect its original purpose and design, an optimal level of care, and the public's safety and expectations. Boulder County currently does not have standards for many assets, nor a systematic, enterprise-wide way of assessing and scoring asset conditions.

33. Question: What asset groups are within the different priority tiers? (Tier 1, Tier 2?

    ANSWER: Tiers will be based off individual work groups as shown in the Phases in Table 2 (page 20) in the RFP and the assets they manage as shown in Tables 3 and 4 (page 21) in the RFP. A phased approach will be taken, and the order is subject to change.

    For Parks & Open Space, the tiers include:
    - **Tier 1**
        - **Grounds Work Group, which primarily corresponds to the Infrastructure dataset in Table 4.**
        - **Water Work Group, which is primarily responsible for the Water Infrastructure dataset in Table 4.**
    - **Tier 2**
        - **Buildings & Historic Preservation Work Group, which primarily corresponds to the Buildings dataset in Table 4.**
        - **Structures Work Group, which primarily corresponds to the Agricultural Infrastructure dataset in Table 4.**
    - **Tier 3**
        - **Trails Work Group, which primarily corresponds to the Trails dataset in Table 4.**
        - **Signs Work Group, which primarily corresponds to the Signs dataset in Table 4.**

    For Public Works, the tiers include:
    - **Tier 1:**
        - **Road Maintenance, Engineering, County Engineer, Engineering Construction Management, Traffic, all of which pertain to Roads and Road features found in Table 3.**
    - **Tier 2:**
        - **Building Services, Resource Conservation and Fleet, which pertain to Buildings, Resource Conservation and Fleet found in Table 3.**
    - **Tier 3:**
        - **Stormwater Management, which pertain to Stormwater features found in Table 3.**

- Wastewater Management, of which there is one maintained by Boulder County Public Works.

34. Question: How many assets exist by type and group within each priority tier?

   ANSWER: Refer to answer 35 for the tiers and corresponding groups, and then answer 39 for asset quantities.

35. Question: Under Section 4: Scope of Services, subsection B: Technical Review and Documentation: Integration with other Software/Systems: Given the diverse list of systems requiring integration, why is there a restriction preventing the AMS from using APIs in favor of legacy integration formats?

   ANSWER: For the sake of clarity, on page 10 of the RFP, where stated, "The AMS will be GIS-centric with a seamless integration between AMS and the county's Esri-based platform (likely utilizing spatial services), devoid of application programming interfaces (API) and disconnected interfaces," that pertains to GIS specifically, and should have been phrased as "preferably" devoid of APIs or disconnected interfaces. Page 17, bullet point 9 under "GIS Requirements" the RFP allows for APIs if necessary. However, it is preferred to have minimal needs for APIs and disconnected interfaces.

   In general, is there a preferred method for the AMS to complete data calls to the ESRI data source without APIs?

   ANSWER: Yes, direct integration with Esri feature classes through two-way editable feature services.

36. Question: Under subsection D: GIS Requirements, Requirement 9 states the following: "Ability to provide application programming interface(s) (APIs) to allow two-way service requests/work orders between the AMS and Esri ArcGIS and other computerized tools."

   This is contrary the requirement under the Goals and Objectives: "The AMS will be GIS-centric with a seamless integration between AMS and the county's Esri-based platform (likely utilizing spatial services), devoid of application programming interfaces (API) and disconnected interfaces."

   ANSWER: For the sake of clarity, on page 10 of the RFP, where stated, "The AMS will be GIS-centric with a seamless integration between AMS and the county's Esri-based platform (likely utilizing spatial services), devoid of application programming interfaces (API) and disconnected interfaces," that pertains to GIS specifically, and should have been phrased as "preferably" devoid of APIs or disconnected interfaces. Page 17, bullet point 9 under "GIS

Requirements" the RFP allows for APIs if necessary. However, it is preferred to have minimal needs for APIs and disconnected interfaces.

37. Question: We understand that funding has been approved for 2023. What is the project budget?

    ANSWER: Funding for the procurement and implementation of an AMS was approved in Boulder County's 2023 budget. We believe we have adequate funds for the tasks outlined (page 12) in the RFP for 2023. Although Boulder County is committed to incorporating an AMS into our day-to-day operations in future years, funding needs to be approved by the County Commissioners on an annual basis.

38. Question: Do you require that the awarded vendor be headquartered in the United States?

    ANSWER: We welcome proposals from all qualified, experienced vendors.

39. Question: "The overall goal for an AMS is to have a technological solution available in the office and in the field to help staff track, manage, and maintain a variety of asset types and plan work related to those assets…" What asset types and number of asset types is Boulder County wanting to include in this project?

    ANSWER: Lists of asset types are in Tables 3 and 4 (page 21 in the RFP), which represent most assets under consideration for an AMS. Quantities are in the tables within this answer below. Asset datasets are regularly updated as assets are acquired and disposed of. Additionally, Boulder County plans on including more assets into the AMS over time, once implemented.

    Some current counts of assets in GIS include:

Parks & Open Space Assets	Count
Agricultural Features	350
Stock Tanks	30
Ditch Features	2231
Escape Ramps	35
Fences	1858
Gates	1525
Ground Culverts	5
Park Amenities	735
Buildings	357
Sign Faces	2572
Signposts	1966
Trails	335
Emerald Ash Borer Trees	1961

Trees	1971

Public Works Assets	Count
Roads	2,000
Guardrails	700
Road Signs	9,000
Named Street Signs	1,200
Curb and Gutter	900
Road Markings	<<unknown>>
Roads with Striping	1,100
Bicycle Facilities	100
Traffic Calming Devices	100
Streetlights	120
Bridges Structures and Culverts	9,600
Sidewalks	1,200
Curb Ramps	1,100
Crosswalks	550
Gates	50
Signals	17
Stormwater Inlets	400
Stormwater Manholes	250
Stormwater Open Channels	160
Stormwater Outfalls	300
Stormwater Outlets	125
Stormwater Storm Sewers	420
Stormwater SWMF	75
Retaining Walls	50
Road Right-of-Way	2,000
Shoulders	400
Tunnels	1
Underpasses	<<unknown>>
Buildings	150
Boilers	<<unknown>>
HVAC Systems	<<unknown>>
Parking Lots	5
Fueling Stations	8
Biomass Central Plant	2
Solar Panel Arrays	5
Gravel Pits	5
Wastewater Plant	1
Resource Conservation Facilities	10
EV Charging Stations	20
Traffic Stations	420
Fleet Vehicles	900

40. Question: "The AMS will be GIS-centric with a seamless integration between AMS and the county's Esri-based platform…" Can Boulder County elaborate on the required integrations and indicate the following for each:

Is the integration Unidirectional or Bi-directional?

ANSWER: Bi-directional. We are interested in learning about methods and integrations described in the proposals.

Does the integration require real-time data transfer or batch imports?

ANSWER: Yes. Real-time data transfer.

Is there a Rest API available for the integration?

ANSWER: Yes. See page 16. The County's Esri-based GIS includes "Map and feature REST services."

41. Question: Scope of Services Technical Review and Documentation - "Provide a technical description of how the AMS will either integrate with existing software/systems utilized by Boulder County, or a description of replacing functions of existing systems." As part of our response, are we to scope out each integration? Will the County provide information on how each system is currently being used? Or is this more informational and that should the county select a vendor, these will be future considerations? Please clarify the intent of this section.

ANSWER: This task will be completed by the selected vendor with Boulder County staff after the contract has been signed and the project has commenced. A more general explanation of how the vendor will successfully get an AMS up-and-running, how the vendor will fulfill the scope of services, and if and how your AMS meets the county's technical requirements are required in the vendor's proposal as outlined in Proposal Content (page 18).

42. Question: Which Road Maintenance work processes will be included in the Year 1 Phase of the project?

ANSWER: We are considering a Traffic Group request workflow, which includes the Sign Shop, construction areas with traffic control plans, work orders for right-of-way maintenance, and customer response to road needs. If the bandwidth allows, incorporate all road right-of-way requests from the public (e.g. culvert repair, ditch cleaning, dust control, guardrail maintenance, hand patching, sign and signal maintenance, snow removal, sweeping, tree trimming). The detailed workflow will depend on the AMS.

43. Question: What are the major pain points of the current system?

ANSWER: Boulder County currently does not have an AMS in place, but many individual software programs with unique workflows. Integrating these workflows under one system is one of the goals.

Currently work groups from both Public Works and Parks and Open Space departments use different methods to track assets and prioritize maintenance needs. Some work groups have better tools than others, and there is no process in place to systematically and proactively forecast maintenance needs, including required budgets, staff resources, and prioritization of asset maintenance across entire departments. Balancing new projects, other duties, regular maintenance, and emergency repairs of existing infrastructure is challenging and can lead to stopgap maintenance approaches. Stopgaps have higher long-term maintenance costs and negatively impact the public who depend on these assets. Current systems include spreadsheets, Word documents, or other customized databases that are not directly accessible by all staff, managers, and decision-makers.

44. Question: Did the County work with any outside vendors / consultants to prepare this solicitation? If yes, please provide the names of the vendors / consultants.

ANSWER: Boulder County worked with AECOM from February – June 2022 on a 'Gap Analysis' of the county's asset management. The purpose of this gap analysis was to assist staff in preparing an internal business case for the procurement and implementation of an AMS and not directly related to the preparation of the RFP. No vendors or consultants helped prepare the RFP.

45. Question: Was there an RFI for this solicitation prior to this solicitation? If yes, please provide the names of the vendors/consultants who submitted on the RFI.

ANSWER: No.

46. Question: Did County see any product demonstrations leading up to this RFP? If yes, please provide the names of the vendors/consultants who took part in the product demonstrations.

ANSWER: Yes. As part of a discovery phase to learn more about AMS, we had demos from Cityworks, Cartegraph, Novotx, iWorq, Data Transfer Solutions and Beehive, as well as have discussed asset management products with several other vendors over several years while attending conferences.

47. Question: Can the RFP due date be pushed by 1-2 weeks to account for the Q&A responses?

   ANSWER: No.

48. Question: Can the County outline what specific requirements are to be met from the APWA accreditation requirements? Is there a specific vendor accreditation program vendors are expected to have completed? If so, can you please provide more information.

   ANSWER: Within the APWA "Public Works Management Practices Manual, 10ᵗʰ Edition" there is a chapter dedicated to "Asset Management System." Boulder County will attempt to meet the requirements in that chapter, as well as any mention of 'GIS' or 'records management'. We are not aware of any specific accreditation for the prospective vendors.

49. Question: Can you clarify what you mean by "seamless integration between AMS and the county's Esri-based platform (likely utilizing spatial services), devoid of application programming interfaces (API) and disconnected interfaces?" Will this project allow for direct sync/integrations to GIS and other databases via API? This would allow for Boulder County to push data from GIS or other systems and receive data back when needed.

   ANSWER: Yes.

50. Question: On Page 10 letter "q." Do you have a particular barcode scanner / system you prefer? Is it the desire of the county to use dedicated bar code scanners? If so, do you have a preferred device?

   ANSWER: Road signs have bar codes, but currently we do not have a scanning mechanism. For Building assets, though the tags have bar codes, they are not read either. Boulder County IT does not have/support any bar code scanning technology. If barcode scanners are needed, we would work with the selected Vendor on preferred devices.

51. Question: Do you need any Health/Safety/Compliance Training and management software Integration?

   ANSWER: No. The focus is asset tracking and life-cycle management, data-driven decisions, single-source system for all subject matter experts, maintenance tracking (current and historic), proactive work orders (not reactive), work order backlog reduction, staff hour tracking, cost tracking, cost estimating, budget optimization, local and national standards and statutory

compliance, public transparency, manual data entry reduction, and systematic asset disposal method development.

Questions and Answers from Pre-Proposal Meeting – March 30, 2023

52. Question: Will the notice to proceed be in August with the intent of being complete by the end of 2023?

    ANSWER: Boulder County anticipates the notice to proceed to be approximately August 1, 2023, as shown on the proposed schedule (page 19) in the RFP. The proposed schedule also states that Year 1 tasks would be complete by the end of 2023. However, the plan is for implementation to carry over into 2024 (see page 12 in the RFP) pending approval of the AMS annual budget by the County Commissioners. In addition, the RFP also states, "This timeline will be adjusted based on input from and scheduling with the selected vendor." (page 12).

53. Question: Have you entertained product demos prior to this RFP?

    ANSWER: Yes. As part of a discovery phase to learn more about AMS, we have had demos from Cityworks, Cartegraph, Novotx, iWorq, Data Transfer Solutions and Beehive, as well as have discussed asset management products with several other vendors over several years while attending conferences.

54. Question: Have you looked at application before the RFP?

    ANSWER: Yes, we have had demos from Cityworks, Cartegraph, Novotx, iWorq, Data Transfer Solutions, and Beehive, as well as discussed asset management products with several other vendors over several years while attending conferences.

55. Question: How many assets do you currently have?

    ANSWER: Lists of asset types are in Tables 3 and 4 (page 21 in the RFP), which represent most assets under consideration for an AMS. Quantities are in the tables within this answer below. Asset datasets are regularly updated as assets are acquired and disposed of. Additionally, Boulder County plans on including more assets into the AMS over time, once implemented.

    Some current counts of assets in GIS include:

Parks & Open Space Assets	Count
Agricultural Features	350
Stock Tanks	30

Ditch Features	2231
Escape Ramps	35
Fences	1858
Gates	1525
Ground Culverts	5
Park Amenities	735
Buildings	357
Sign Faces	2572
Signposts	1966
Trails	335
Emerald Ash Borer Trees	1961
Trees	1971

Public Works Assets	Count
Roads	2,000
Guardrails	700
Road Signs	9,000
Named Street Signs	1,200
Curb and Gutter	900
Road Markings	<<unknown>>
Roads with Striping	1,100
Bicycle Facilities	100
Traffic Calming Devices	100
Streetlights	120
Bridges Structures and Culverts	9,600
Sidewalks	1,200
Curb Ramps	1,100
Crosswalks	550
Gates	50
Signals	17
Stormwater Inlets	400
Stormwater Manholes	250
Stormwater Open Channels	160
Stormwater Outfalls	300
Stormwater Outlets	125
Stormwater Storm Sewers	420
Stormwater SWMF	75
Retaining Walls	50
Road Right-of-Way	2,000
Shoulders	400
Tunnels	1
Underpasses	<<unknown>>
Buildings	150
Boilers	<<unknown>>
HVAC Systems	<<unknown>>
Parking Lots	5

Fueling Stations	8
Biomass Central Plant	2
Solar Panel Arrays	5
Gravel Pits	5
Wastewater Plant	1
Resource Conservation Facilities	10
EV Charging Stations	20
Traffic Stations	420
Fleet Vehicles	900

56. Question: Are you open to cloud-based software or do you want the software installed on your servers

ANSWER: Boulder County prefers a cloud-based solution, but we are open to what the proposals have to offer. If a vendor opts to propose an on-premises solution, Boulder County will expect full specifications of host requirements including minimum processor, storage and network bandwidth needs, for example. Please also indicate whether or not virtual machine hosts are compatible with the proposed solution. The County would also require specifications for required hosted services like web server, email server data servers (including database management platform). Another concern would be for an on-premises proposal to include a full explanation maintenance and support requirements and an indication of how current the versions of the solution must be at any given time. Currently, the County deploys on-premises solutions with multiply redundant systems typically in Development/Test/Production scheme.

57. Question: Are you working with any consultants on procurement?

ANSWER: No.

58. Question: Were the heavy I.T. requirements written by your I.T. Department?

ANSWER: Yes, the Boulder County I.T. Department provided those specifications.

59. Question: How many concurrent users could you have at any given moment?

ANSWER: There could be as many as 110 concurrent users.

60. Question: How long have you had gWorks (a.k.a. PubWorks) and why are you replacing it?

ANSWER: As stated in the RFP (page 14), "Boulder County has not determined if any of the above systems will be modified or replaced." Understandably,

gWorks does have a spatial component, but we are seeking a GIS-centric integrated AMS. Boulder County has had PubWorks for approximately 25 years.

61. Question: Have you budgeted for such an engagement? How much is the budget?

    ANSWER: Funding for the procurement and implementation of an AMS was approved in Boulder County's 2023 budget. We believe we have adequate funds for the tasks outlined (page 12) in the RFP for 2023. Although Boulder County is committed to incorporating an AMS into our day-to-day operations in future years, funding needs to be approved by the County Commissioners on an annual basis.

62. Question: Does the budget have to be expended by the end of the year?

    ANSWER: Boulder County can only budget for a single year, so the funding is for 2023. We will request funding in future years.

63. Question: Do you have a preference of a subscription license or a perpetual license?

    ANSWER: Boulder County has a preference to a SaaS but is not opposed to an on-premise solution. Boulder County also prefers a cloud-based solution, but we are open to what the proposals have to offer. If a vendor opts to propose an on-premises solution, Boulder County will expect full specifications of host requirements including minimum processor, storage and network bandwidth needs, for example. Please also indicate whether or not virtual machine hosts are compatible with the proposed solution. The County would also require specifications for required hosted services like web server, email server data servers (including database management platform). Another concern would be for an on-premises proposal to include a full explanation maintenance and support requirements and an indication of how current the versions of the solution must be at any given time. Currently, the County deploys on-premises solutions with multiply redundant systems typically in Development/Test/Production scheme.

Submittal Instructions:

Submittals are due at the email box <u>only,</u> listed below, for time and date recording on or before **2:00 p.m. Mountain Time on April 25, 2023.**

Please note that email responses to this solicitation are limited to a maximum of 50MB capacity.

NO ZIP FILES OR LINKS TO EXTERNAL SITES WILL BE ACCEPTED. THIS INCLUDES GOOGLE DOCS AND SIMILAR SITES. ALL SUBMITTALS MUST BE RECEIVED AS AN ATTACHMENT (E.G. PDF, WORD, EXCEL).

Electronic submittals must be received in the email box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This email box is only accessed on the due date of your questions or proposals. Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.

Email   purchasing@bouldercounty.org; identified as **RFP # 7455-23** in the subject line.

All proposals must be received and time and date recorded at the purchasing email by the above due date and time. Sole responsibility rests with the Offeror to see that their bid is received on time at the stated location(s). Any bid received after due date and time will be returned to the bidder. No exceptions will be made.

The Board of County Commissioners reserve the right to reject any and all bids, to waive any informalities or irregularities therein, and to accept the bid that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.

**RECEIPT OF LETTER
ACKNOWLEDGMENT**

April 12, 2023

Dear Vendor:

This is an acknowledgment of receipt of Addendum #1 for RFP #7455-23, Asset Management Implementation.

In an effort to keep you informed, we would appreciate your acknowledgment of receipt of the preceding addendum. Please sign this acknowledgment and email it back to purchasing@bouldercounty.org as soon as possible. If you have any questions, or problems with transmittal, please call us at 303-441-3525. This is also an acknowledgement that the vendor understands that **BIDS will only be accepted electronically by emailing purchasing@bouldercounty.org.**

Thank you for your cooperation in this matter. This information is time and date sensitive; an immediate response is requested.

Sincerely,

Boulder County Purchasing

Signed by: _____ Date: _____

Name of Company_____

End of Document