FROM (DEPT/ DIVISION): Board of Commissioners SUBJECT: County Road Digitization Mapping Pilot Project Contract After consultation with 4 different transportation Requested Action: firms (Kittleson, A&P, AECOM and DKS) along with input from ODOT, DKS is recommended as Adopt Order No. BCC2022-045 the prime vendor for the Umatilla County Road Map digitization pilot project. The approval of the contract with DKS is before the Board for approval. ATTACHMENTS: Proposed Order Submitted By: Dan Dorran Date: (06.29.2022) Checkoffs:) Dept. Heard (copy) To be notified of Meeting:) Human Resources (copy)) Fiscal) Legal (copy) Needed at Meeting:) (Other - List:) ******************* Scheduled for meeting on: July 6, 2022

Action taken:

Follow-up:

AGENDA ITEM FOR ADMINISTRATIVE MEETING

() Discussion only(XX) Action

Umatilla County Asset Management & Real-Time Transportation Situational Awareness System (UCAMSAS)

Umatilla County is embarking on a first of its kind, transportation Asset Management and Situational Awareness System (UCAMSAS—including real-time transportation and traffic information to more effectively deploy resources and manage the county's roadway system. Using data available through real-time systems such as ODOT's TripCheck system (see Figure 1) the county will provide Public Works management and dispatch resources with real-time roadway conditions. This real-time data can be combined with Asset Management information such as that available through the Association of Oregon Counties (AOC)'s Integrated Road Information System (IRIS) (see Figure 2 & Figure 3).

Figure 1 also illustrates the *challenges* that Umatilla County hopes to overcome from existing systems and data sources. While the ODOT roadways and more significant, highly utilized regional arterials may have data available from sources like Google and ODOT, the vast majority of the County roads do not have this real-time information available. Umatilla County also desires more immediate access to asset inventory data combined through a single user interface system to this real-time roadway and bridge utilization data, to make informed infrastructure investment decisions. Collectively the system will also provide valuable real-time information to local businesses, particularly those operating larger vehicles including freight and agricultural trucking operations. Many roadway facilities are limited by either weight or turning restrictions that have significant impact on users abilities for timely routes.



Figure 1: ODOT TripCheck in Umatilla County region

In addition to real-time operations and use of the regional roadways, Umatilla County wants to make more data driven, informed decisions about roadway, bridge, culvert and asset management investment decisions. Our more rural communities deal with a different set of issues than our more densely populated counties. Making decisions around grading and applying oil to gravel roads take up a much larger portion of Umatilla's budgeting and operational decisions, and the distances that infrastructure is sent to is significant, yet the industry lacks the decision support tools for these agencies. The Umatilla County Asset Management and Situational Awareness System (UCAMSAS) will not only support the county's operational needs, it will form a replicable solution for this market that has the same needs but is not getting the same attention from the private sector.

Umatilla County's intention to use their existing investment in the IRIS system (see Fig 3 and 4) as a source for asset management data, demonstrates the agency's desire to continue to being good stewards of taxpayer dollars, while leveraging investments already made with statewide partners.

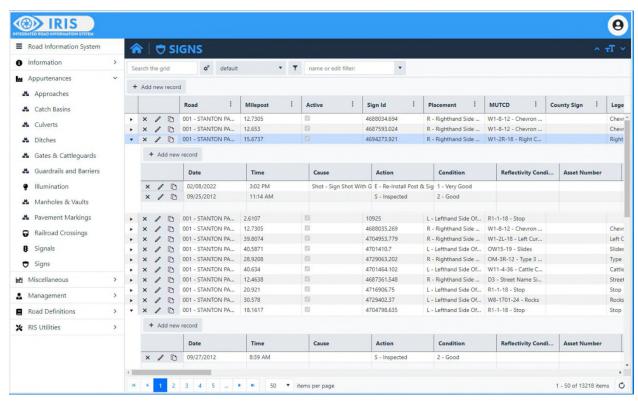


Figure 2: AOC IRIS Asset Management System- Signs

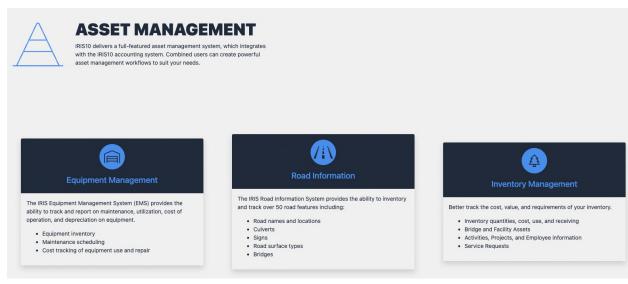


Figure 3: IRIS Asset Management Capabilities

THE BOARD OF COMMISSIONERS OF UMATILLA COUNTY

STATE OF OREGON

In the Matter of Authorizing)	
Contract for Services and)	Order No. BCC2022-045
Materials from DKS Associates)	
by Alternative Contracting)	
for Professional Services)	

WHEREAS the county is seeking professional services to assist in a road digitization mapping project for Umatilla County;

WHEREAS under Umatilla County Code of Ordinances Section 36.06(B), an alternative to procurement by competitive bids is the purchase of goods or services where there is only one seller or product of the quality available, software, for personal services contracts (including engineering services), and services when price has been established under a previous competitive bid requirements contract;

WHEREAS the Oregon Department of Transportation issued a request for proposals for transportation and land use planning, and a contract for transportation system planning and public transportation planning was entered into with DKS Associates;

WHEREAS a proposal has been received from DKS Associates for an asset management and real-time transportation situational awareness system, to provide real time transportation and traffic information to more effectively deploy resources and manage the county's road system.

NOW THEREFORE, the Board of Commissioners orders that:

- 1. Due to the nature of services being provided and utilization of state contract, the procurement for the transportation planning services is exempt from the competitive bidding process under the Umatilla County Code of Ordinances.
- 2. Umatilla County is authorized to enter into a contract with DKS Associates for the professional services necessary for the road digitization mapping project.

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