



**KITTITAS COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**

Mark Cook, Director

**REQUEST FOR PROPOSALS: Kittitas County Department of Public Works Survey Drone Procurement**

**ADVERTISEMENT: September 29, October 6, and October 13, 2022**

**All submittals received after Friday, October 21, 2022, will be discarded**

**PURPOSE:**

Kittitas County Department of Public Works desires procuring either a lidar enabled or survey aerial drone. The procurement will minimally meet the requirements as specified in EXHIBIT 1 to this solicitation.

The selected vendor shall deliver the drone to Public Works no later than November 25, 2022.

**PROCEDURES FOR SUBMITTAL:**

Please direct all questions to Kittitas County Department of Public Works (509-962-7523).

Please complete the enclosed offer form (EXHIBIT 2) and deliver to the Department of Public Works, 411 North Ruby Suite 1, Ellensburg, WA 98926 by 5:00 PM local time October 21, 2022. Submit a sealed envelope to Justin Turnbull, County Surveyor, at 411 N. Ruby St. Suite 1, Ellensburg WA 98926. Submittals shall include three copies of your proposal utilizing the provided form(s) found in EXHIBIT 2 of this solicitation.

For your records, the County will provide a confirmation email to the contacts provided in the submittal confirming receipt of your interest in the proposal. Submittals received after will be disregarded.

The County reserves the right to reject one or more submittals.

**SELECTION PROCESS AND PROPOSED SCHEDULE:**

Kittitas County selection will be based on the most responsive bid meeting minimum performance specifications as attached to this solicitation in EXHIBIT 1.

Kittitas County, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it

will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises and airport concession disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Persons with disabilities may request this information be prepared and supplied in alternate forms by calling collect (509-962-7523).

Kittitas County reserves the right to accept or reject one or more proposals or any items or part thereof or to waive any information or irregularities in the proposals. Kittitas County shall have the sole discretion to determine the most responsible proposal.

**INQUIRIES:**

Direct all inquiries regarding this request for services to Justin Turnbull, County Surveyor at (509) 962-7523, or via e-mail: [justin.turnbull@co.kittitas.wa.us](mailto:justin.turnbull@co.kittitas.wa.us).

Dates of publication:

Ellensburg Daily Record – September 29, 2022; October 6, 2022; October 13, 2022  
Daily Journal of Commerce – September 29, 2022; October 6, 2022; October 13, 2022

EXHIBIT 1: DRONE SPECIFICATIONS

## EXHIBIT 1

### **Kittitas County Department of Public Works Survey Drone Specifications**

September 13, 2022

Vendor will provide the 100% of the following hardware, parts, and services inclusively – direct supply as listed or \*qualified equal:

#### **DJI Matrice 300 RTK (Real Time Kinematic) – Drone (Specification No. 1 complete as appears below)**

DJI Matrice 300 RTK - Hardware & Equipment:

- 1x DJI Matrice 300 RTK Aircraft Body
- 1x DJI Smart Controller Enterprise
- 1x USB Charger
- 1x USB-C Cable
- 2x TB60 Intelligent Flight Batteries
- 1x BS60 Intelligent Battery Station
- 1x WB37 Intelligent Battery
- 2x 2110 Propeller (CW)
- 2x 2110 Propeller (CCW)
- 2x Landing Gear
- 1x Spare Stick Cover (pair)
- 2x Spare Propeller Holder
- 4x Spare Gimbal Damper
- 1x USB Cable (with Double A Ports)
- 1x Vision System Calibration Plate
- 1x Smart Controller Lanyard
- 1x Rubber Port Cover (Set)
- 1x Screws and Tools (Set)
- 1x Power Cable

**DJI Zenmuse L1 (Aerial LiDAR Sensor) (Specification No. 2 complete as it appears below)**

- 1x DJI Zenmuse L1 - Lidar + 20 MB RGB Survey Camera

**DJI D-RTK (Differential Real Time Kinematic) 2 Mobile Station (Specification No. 2 complete as it appears below)**

- 1x D-RTK 2 High Precision GNSS (Global Navigation Satellite System) Mobile Station (Matrice)
- 2x WB37 Intelligent Batteries

**DJI D-RTK 2 - Base Station Tripod (Specification No. 3 complete as it appears below)**

- 1x D-RTK 2 High Precision GNSS Mobile Station - Tripod

**DJI TB60 Intelligent Flight Battery spares (Specification No. 4 complete as it appears below)**

- 6x TB60 Intelligent Flight Batteries

**DJI WB37 Intelligent Battery spare (Specification No. 5 complete as it appears below)**

- 1x WB37 Intelligent Battery

**GPC Custom Case for Matrice 300 RTK (Specification No. 6 complete as it appears below)**

- 1x Go Professional Cases DJI Matrice 300 Case

MANUFACTURER PART NO: GPC-DJI-M300

**GPC D-RTK 2 Base Station Bag (Specification No. 7 complete as it appears below)**

- 1x Go Professional Cases D-RTK 2 Ground Station Bag

MANUFACTURER PART NO: GPC-RTK-GSK-SFTBAG

**\*Qualified equal shall be determined by Kittitas County Surveyor under his sole discretion.**

**Included Support & Service (Specification No. 8):**

- Vendor will assemble, update, and QC every piece of equipment so that when the drone is received, it is ready to fly. Firmware will be completely updated, any necessary accounts are created, with installing software, linking radio remotes, or troubleshooting minor issues completed and resolved. The system will be ready to go straight out of the box.
- FAA (Federal Aviation Administration) Registration (Aircraft will be delivered pre-registered with the FAA in compliance with FAA Part 107)
- DJI Enterprise Shield which covers two product replacements for damaged DJI drones within the one-year coverage period will be included
- DJI Hardware Support & Service (vendor will facilitate all interactions with DJI Support)
- 100x - biodegradable Hi-Vis aerial Ground Control Points (GCPs) provided
- Personalized onboarding & prioritized support from vendor which includes videoconferencing, phone & email support for one-year, as well as complimentary flight operations, and mission planning support on an as-needed basis.

Vendor will provide online training video tutorials which will include: preparation for the FAA 107 pilot test; UAS (Unmanned Aircraft System) operational safety; drone survey mission planning.

**Drone data processing services (Specification No. 9):**

Vendor will provide the drone photogrammetry and aerial LiDAR data post-processing services billed on a per-project basis with ASPRS (American Society for Photogrammetry and Remote Sensing) certified mapping scientists, LiDAR & CAD (Computer Aided Design) technicians that are US-based in-house staff. Vendor must have a minimum of 5-years' experience in drone data processing for photogrammetry, topography, and drafted deliverables, as well as have the ability to provide custom aerial LiDAR deliverables.

EXHIBIT 2: SUBMITTAL FORM

EXHIBIT 2

VENDOR PROPOSAL FORM

Kittitas County Survey Drone Specification No.	Vendor Price
1 DJI Matrice 300 RTK	
2 DJI Zenmuse L1	
3 DJI D-RTK 2 - Base Station Tripod	
4 DJI TB60 Intelligent Flight Battery spares	
5 DJI WB37 Intelligent Battery spare	
6 GPC Custom Case for Matrice 300 RTK	
7 GPC D-RTK 2 Base Station Bag	
8 Included Support & Service	
9 Drone data processing services	
	Total price: