

BFED Committee

From: Shane M. Sinenci
Sent: Wednesday, April 14, 2021 4:18 PM
To: BFED Committee
Subject: Drone Quote and Example Vendor Contract Flight Quote with Map
Attachments: QT_GVI LiAirV70 LiDAR Mapping Complete Capture Kit v2.pdf; QT_Lao Valley POS Services.pdf; laoValleyLiDARFlightQuote.pdf

From: Gina M. Young <Gina.Flammer@mauicounty.us>
Sent: Wednesday, April 14, 2021 4:16 PM
To: Shane M. Sinenci <Shane.Sinenci@mauicounty.us>
Subject: FW: Drone Quote and Example Vendor Contract Flight Quote with Map

From: Daniel Sereno <Daniel.Sereno@co.maui.hi.us>
Sent: Tuesday, April 13, 2021 4:18 PM
To: Gina M. Young <Gina.Flammer@mauicounty.us>
Cc: Janet Six <Janet.Six@co.maui.hi.us>
Subject: Drone Quote and Example Vendor Contract Flight Quote with Map

Aloha Gina,

Please find attached 3 documents.

Document 1: *QT_GVI LiAirV70 LiDAR Mapping Complete Capture Kit v2.pdf* is the actual drone kit quote from Frontier Precision.

Document 2: *QT_Lao Valley POS Services.pdf* is a quote of what Frontier Precision would charge if they came over to Maui to fly approximately 678 acres in the Lao Valley area.

Document 3: *laoValleyLiDARFlightQuote.pdf* is a map of the proposed area covered by document 2's quote.

NOTE: Please use Document 1 as the actual drone expenditure quote. Document 2 and 3 are simply added to provide some context on a potential return on investment the County may expect.

Mahalo for your patience and help with this endeavor!

Dan Sereno
County of Maui
Geographic Services Manager
2145 Kaohu St #104, Wailuku, HI 96793
B. 808-270-6225



Frontier Precision, Inc.
5480 West 60th Avenue, Unit A
Arvada, CO 80003
720.214.3500
www.frontierprecision.com

Quote

Date: Apr 13, 2021 07:05 PM
Quote Number: 49747
Valid Until: Jun 1, 2021
Quotation by: Phil Jahns

BILL TO:

Maui County-GIS

Daniel Sereno
2145 Kaohu street #104
Wailuku, Hawaii 96793 United States
daniel.sereno@co.maui.hi.us 808-270-6225

SHIP TO:

Maui County-GIS

Daniel Sereno
2200 Main St. Suite 610
Wailuku, Hawaii 96793 United States
daniel.sereno@co.maui.hi.us 808-270-6225

Product Details	Qty	Price	Total
1. CP.EN.00000221.01 Matrice 300 RTK Combo	1	\$ 13,199.00	\$ 13,199.00
Matrice 300 RTK Combo			
Includes:			
BS60 Intelligent Battery Station			
TB60 Intelligent Flight Batteries (2qty)			
DJI Smart Controller Enterprise			
WB37 Intelligent Battery (1qty)			
USB Charger			
USB-C Cable			
2110 Propeller (CW) (2qty)			
2110 Propeller (CCW) (2qty)			
Landing Gear (2qty)			
Spare Stick Cover (pair)			
Spare Propeller Holder (2qty)			
Spare Gimbal Damper (4qty)			
USB Cable (w/ Double A Ports)			
Vision System Calibration Plate			
Carrying Case			
Smart Controller Lanyard			
Rubber Port Cover (set)			
Power Cable			
2. CP.EN.00000262.01 TB60 Battery	6	\$ 700.00	\$ 4,200.00
Matrice 300 TB60 Intelligent Flight Battery			
3. CP.BX.000229 WB37 Intelligent Battery	3	\$ 59.00	\$ 177.00
WB37 Intelligent Battery			
4. GPC-DJI-M300 M300 GPC Case	1	\$ 799.00	\$ 799.00
DJI Matrice 300 GPC Case			
5. CP.EN.00000131.01 D-RTK 2 Base for Matrice	1	\$ 3,600.00	\$ 3,600.00
D-RTK High Precision GNSS Mobile Station for Matrice Series			
6. GPC-RTK-GSK-SFTBAG GPC D-RTK 2 Base Station Soft Bag	1	\$ 199.00	\$ 199.00
GPC D-RTK 2 GROUND STATION BAG			
7. 5218-02-YEL Thumb-Release Tripod - Yellow	1	\$ 235.82	\$ 235.82
TRIPOD, THUMB RELEASE, PRISM POLE			
8. GPC-RTK-TRIPOD-BAG GPC Tripod Bag	1	\$ 64.99	\$ 64.99
GPC D-RTK 2 TRIPOD BAG			
9. GVI-LiAir-V70 LiAir V	1	\$ 21,800.00	\$ 21,800.00
LiAir V UAV LiDAR System with Livox Mid-70 Sensor			
10. GVI-LiAir-Camera LiAir Camera Standard	1	\$ 4,800.00	\$ 4,800.00
LiAir Camera Standard - RGB Camera Module For LiAir Series			
11. GVI-LiGeoreference LiGeoreference Standard	1	\$ 3,000.00	\$ 3,000.00
Raw Conversion and Point Cloud Georeferencing Software for LiAir V and 250			

Product Details	Qty	Price	Total
12. GVI-LiDAR360-Framework LiDAR360 Framework Point Cloud Post-Processing Suite (Framework Module Only)	1	\$ 3,000.00	\$ 3,000.00
13. GVI-LiDAR360-Terrain LiDAR360 Terrain Point Cloud Post-Processing Suite (Framework and Terrain Modules)	1	\$ 1,500.00	\$ 1,500.00
14. CP.MA.00000038.01 Mavic 2 Battery Mavic 2 Part2 Intelligent Flight Battery (Powers the Base Station)	1	\$ 149.00	\$ 149.00
15. CP.MA.00000039.01 Mavic 2 Battery Charger Mavic 2 Part3 Battery Charger (Without AC Cable)	1	\$ 39.00	\$ 39.00
16. HDLP 5 foot Landing Pad 5' Landing Pad	1	\$ 119.99	\$ 119.99
17. Miscellaneous Miscellaneous Frontier Precision LiDAR/Photogrammetry Ground Control Points (10-Pack)	1	\$ 220.00	\$ 220.00
18. PIX4DMAPPER-OTC1-DESKTOP Pix4DMap Perpetual License Pix4Dmapper Desktop (1-device), Perpetual license	1	\$ 4,990.00	\$ 4,990.00
19. UAS-ON-SITE ON SITE UAS SERVICE On site flight planning & operations Training for M300 + GVI LiDAR Pix4D Mapper Photogrammetry Processing Training LiDAR Processing Training	4	\$ 1,800.00	\$ 7,200.00
		Sub Total:	\$ 69,292.80
		Tax:	\$ 0.00
		Shipping:	\$ 0.00
		Grand Total:	\$ 69,292.80

Special Notes:

Shipping, handling, and applicable sales tax will be added to invoice.

Terms and Conditions

All invoices are in U.S. Dollars. Prices are good for 30 days.

Payment terms are net 30 days upon approved credit. We also accept VISA, MasterCard and American Express. Returns- A standard restocking fee of 20% will be charged for any returned equipment.

Shipping and handling charges are prepaid and added to invoice. Shipment will be made by UPS Ground unless otherwise specified, FOB Shipping Point.



Frontier Precision, Inc.
5480 West 60th Avenue, Unit A
Arvada, CO 80003
720.214.3500
www.frontierprecision.com

Quote

Date: Apr 13, 2021 05:02 PM
Quote Number: 49748
Valid Until: May 13, 2021
Quotation by: Phil Jahns

BILL TO:

Maui County-GIS

Daniel Sereno
2200 Main St. Suite 610
Wailuku, Hawaii 96793 United States
daniel.sereno@co.maui.hi.us 808-270-6225

SHIP TO:

Maui County-GIS

Daniel Sereno
2200 Main St. Suite 610
Wailuku, Hawaii 96793 United States
daniel.sereno@co.maui.hi.us 808-270-6225

Product Details	Qty	Price	Total
1. UAS-ON-SITE ON SITE UAS SERVICE	4	\$ 1,800.00	\$ 7,200.00
ON SITE UAS SERVICE			
2. UAS-SVC UAS SERVICES	4	\$ 2,950.00	\$ 11,800.00
Equipment Fee M300 RTK GVI LiAirV V70 LiDAR Unit Trimble R8S Base Station			
3. UAS-SVC UAS SERVICES	12	\$ 275.00	\$ 3,300.00
Data Processing Services - LiDAR Processing (.LAS point cloud) - Full Resolution .LAS LiDAR Point Cloud - Bare Earth Surface DTM - Photogrammetry Processing - .TIF Full Resolution Orthomosaic, - .TIF Raster DSM - Full Resolution .LAS Point Cloud			
4. TRAVEL EXPENSE Travel Expense	1	\$ 2,400.00	\$ 2,400.00
Estimated travel & equipment transport expenses for quoting purposes			
		Sub Total:	\$ 24,700.00
		Tax:	\$ 0.00
		Shipping:	\$ 0.00
		Grand Total:	\$ 24,700.00

Special Notes:

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677.53 Acres

IAO VALLEY ROAD

WEST MAIN STREET

MILL STREET

EHA STREET

LOWER MAIN STREET

KANALOA AVENUE

SOUTH ALU ROAD

WAIKALE ROAD

KUIKAHI DRIVE

ONEHEE AVENUE

SOUTH KAMEHAMEHA AVENUE

0 0.5 1 Miles



IAO VALLEY LiDAR QUOTED FLIGHT AREA (approx. 678 Ac)

IAO Valley LiDAR Flight Area
County Boundary
Road

