

CITY OF ALBANY, NY
BOARD OF CONTRACT AND SUPPLY

Tuesday,
April 21, 2020

Present:

MICHAEL WHEELER, Budget Director
DARIUS SHAHINFAR, Treasurer
RANDALL MILANO, City Engineering
FRANK ZEOLI, Deputy Commissioner of DGS

Shahinfar offered a motion to accept the agenda
Milano seconded the motion

(4) Affirmative (0) Negative

Adopted by the following vote

Wheeler
Shahinfar
Milano
Zeoli

Affirmative 4 Negative 0

BOARD OF CONTRACT AND SUPPLY
City of Albany, NY
Date Bids Received: April 21, 2020

Title: Maintenance Contract for Roofing Work for VCOBs
Engineering Department

Name of Bidder	Security	Amount of Bid
Mid-State Industries, LTD 1105 Catalyn Street Schenectady, NY 12303	Bid Bond	Base Bid: \$36,100.00
Titan Roofing, Inc. 200 Tapley Street Springfield, MA 01104	Bid Bond	Base Bid: \$47,500.00

Adopted by the following vote
Wheeler
Shahinfar
Milano
Zeoli
Affirmative 4 Negative 0

BOARD OF CONTRACT AND SUPPLY
City of Albany, NY
Date Bids Received: April 21, 2020

Title: Street Milling 2020
Department of General Services

Name of Bidder	Security	Amount of Bid
Evolution Construction Services PO Box 511 Mechanicville, NY 12118	Bid Bond	Base Bid: \$88,005.00
Peter Luizzi & Bros. Contracting, Inc. 49 Railroad Avenue Albany, NY 12205	Bid Bond	Base Bid: \$91,825.00

Adopted by the following vote
Wheeler
Shahinfar
Milano
Zeoli
Affirmative 4 Negative 0

BOARD OF CONTRACT AND SUPPLY
City of Albany, NY
Date Bids Received: April 21, 2020

Title: Street Resurfacing & Sidewalk Reconstruction – Contract 2
Engineering

Name of Bidder	Security	Amount of Bid
Callanan Industries, Inc. PO Box 15097 Albany, NY 12212	Bid Bond	Base Bid: \$3,383,769.00
New Castle Paving, LLC 1 Madison Street – Ste. 100 Troy, NY 12180	Bid Bond	Base Bid: \$2,955,026.00
Peter Luizzi & Bros. Contracting, Inc. 49 Railroad Avenue Albany, NY 12205	Bid Bond	Base Bid: \$2,874,394.00

Adopted by the following vote

Wheeler
Shahinfar
Milano
Zeoli

Affirmative 4 Negative 0

BOARD OF CONTRACT AND SUPPLY
City of Albany, NY
Date Bids Received: April 21, 2020

Title: SUAs for Confined Spaces - APD
Albany Police Department

Name of Bidder	Security	Amount of Bid
Empire Drone Co. 5 Coventry Drive Fulton, NY 13069	Waived	Normal Shop Labor Rate: \$120/Hour Emergency Labor Rate: \$340/Hour Estimate Price: \$35,642.00 10% Discount on Parts/Materials from Retail Contract Extension #1 not to exceed 5% Contract Extension #2 not to exceed 10% Contract Extension #3 not to exceed 15%
Flyability SA Route de Lac 3 Paudex 1094 1094 Paudex Vaud Switzerland	Waived	See Attached Price List

Adopted by the following vote

Wheeler
 Shahinfar
 Milano
 Zeoli

Affirmative 4 Negative 0

CESSORY	104873	GCS ADDITIONAL RC NO TABLET	USD 990.00	Additional UAV RC with charger, as a spare or for dual (camera) operation. Tablet to be purchased separately.
CESSORY	EA7A253V01	GCS TABLET	USD 500.00	Repackaged Tablet with its charger and Flyability Cockpit App installed
AD-ON	106107	PHOTOGRAMMETRY YEARLY RENTAL LICENSE ADD-ON	USD 3,150.00	Yearly rental Packdragger license - 1x1. Can only be purchased together with a drone
AD-ON	106109	INDOOR PHOTOGRAMMETRY TRAINING - YEARLY RENTAL LICENSE ADD-ON	USD 6,000.00	Yearly rental Packdragger license - 1x1. Two-day photogrammetry training course. Up to 2 people. Excl. Travel expenses - 1x1. Can only be purchased together with a drone
AD-ON	106579	HOURLY MAINTENANCE	USD 105.00	Fee per hour for maintenance
AD-ON	106923	E2 MOTORS MAINTENANCE KIT	USD 2,000.00	4 motors and fittings
AD-ON	104577	E1 HEAT DAV SHIPPING	USD 3,700.00	One year next working day shipment of a temporary replacement unit in case of failure or damage
AD-ON	104579	E1 EXTENDED WARRANTY	USD 3,200.00	Extension of warranty to 24 months. Can only be purchased together with the Elios K1 or Packdragger
AD-ON	104580	E1 PREP/UP MAINTENANCE	USD 2,000.00	Time, material and cost of repairs and shipping back to customer. Can only be purchased at the time of Elios or Packdragger purchase
AD-ON	104607	E1 FLUXABILITY PROTECT FOR RENTAL	USD 1,000.00	Flyability Protect is the price of a hand programme designed to provide you with a comprehensive cover for damages to your Elios drone. Refer to the program conditions for more information. Price per month and per drone covered
AD-ON	104608	E1 FLUXABILITY PROTECT	USD 2,700.00	Flyability Protect is the price of a hand programme designed to provide you with a comprehensive cover for damages to your Elios drone. Refer to the program conditions for more information. Price per year and per drone covered
AD-ON	104608	E2 EXTENDED WARRANTY	USD 4,200.00	Extension of warranty to 24 months. Can only be purchased together with an Elios 2 package.
AD-ON	105981	E2 FLUXABILITY PROTECT YEARLY PLAN	USD 3,700.00	Flyability Protect is the price of a hand program designed to provide you with a comprehensive cover for damages to your Elios drone. Refer to the program conditions for more information. Price per year and per drone covered
AD-ON	105981	E2 FLUXABILITY PROTECT YEARLY PLAN	USD 3,900.00	Yearly rental Packdragger license
AD-ON	106041	E2 FLUXABILITY PROTECT YEARLY PLAN	USD 10,800.00	Complete payload assembly with camera and LEDs
AD-ON	101003	E2 PAYLOAD W/ CHARGE	USD 9,000.00	Complete electronic stack assembly with LB2 or unit, antenna board and power board
AD-ON	101005	E2 ELECTRONIC STACK ASSEMBLY	USD 400.00	Motor assembly with ESC and cable
AD-ON	101091	E2 MOTOR	USD 36.00	Elios 2 stage securing the battery into the frame. Includes the necessary screws to mount the battery strap.
AD-ON	101105	BATTERY STRAP ELIOS 2	USD 45.00	SD card with its adaptors
AD-ON	101165	E2 SD CARD 64GB	USD 15.00	Elios battery connector safety clip
AD-ON	104609	E1 BATTERY CONNECTOR SAFETY CLIP	USD 15.00	Elios 1 battery strap replacement set
AD-ON	104610	BATTERY STRAP ELIOS 1 SET	USD 210.00	Complete Elios 1 maintenance toolbox
AD-ON	104611	ELIOS 1 TOOLBOX KIT	USD 25.00	SD card with its adaptors
AD-ON	104614	SD CARD 32GB SET	USD 35.00	Elios cage suspension connection set
AD-ON	104615	E1 CAGE SUSPENSION CONNECTION SET	USD 35.00	4x replacement propeller with M5 nuts
AD-ON	104621	PROPELLER PACK OF 4 WITH NUTS M5	USD 1,300.00	Elios decoupling mechanism carbon ring
AD-ON	104622	E1 CARBON RING	USD 230.00	Pack of 3 Elios 1 batteries
AD-ON	104623	ELIOS 1 BATTERY (PACK OF 3 SPARE BATTERIES)	USD 760.00	Complete Elios 2 maintenance toolbox
AD-ON	104640	E2 BATTERY CHARGER	USD 60.00	Flyability charger to charge Elios 2, 18.5V 5200mAh battery.
AD-ON	104630	ELIOS 2 TOOLBOX KIT	USD 210.00	Complete Elios 2 maintenance toolbox
AD-ON	104631	ELIOS 2 BATTERY PACK	USD 690.00	Arm vision and distance sensor, board and casing
AD-ON	104634	E2 ELIOS 2 BATTERY PACK	USD 35.00	Assembly of carbon frame to cage connectors.
AD-ON	104637	E2 BUZZER ASSEMBLY	USD 4,000.00	Main UAV carbon panel
AD-ON	104639	E2 FRAME	USD 1,700.00	Left LED lighting panel
AD-ON	104641	E2 ELIOS PANEL LEFT	USD 1,000.00	Front carbon perignon with polyfed support
AD-ON	104642	E2 ELIOS PANEL RIGHT	USD 2,000.00	Front vision and distance sensor, board and casing
AD-ON	104643	E2 LULA	USD 1,000.00	Front vision and distance sensor, board and casing
AD-ON	104644	GCS RANGE EXTENDER RC KIT NO TABLET STANDARD	USD 1,000.00	Front vision and distance sensor, board and casing
AD-ON	104645	E2 FRONT OF ASSEMBLY	USD 2,000.00	Front vision and distance sensor, board and casing
AD-ON	104646	E2 RANGE EXTENDER (3 TO C & TO 3)	USD 1,000.00	Front vision and distance sensor, board and casing
AD-ON	104647	E1 BATTERY CHARGER	USD 20.00	USB cable (3 to C & C to 3)
AD-ON	EA50080V01	E1 BATTERY CHARGER / DISCHARGER	USD 210.00	Flyability battery charger with two channels to charge and discharge Elios 1 batteries
AD-ON	EA50080V01	E1 BATTERY CHARGER / DISCHARGER	USD 15.00	Plastic parts - Lens
AD-ON	EA6A137V00	LIFO BAG	USD 15.00	Safety pouch to transport LiPo Batteries
AD-ON	ED0A024V00	CAGE PERITAGON STANDARD	USD 4,100.00	Range extender and its 2mm cables (incl. RC and no label)
AD-ON	ED0A024V00	E1 OFFSET WEIGHT	USD 3,200.00	Two-day photogrammetry training course. Up to 2 people. Excl. Travel expenses
AD-ON	ET19A034V00	ELOS TRAINSPORT CASE	USD 530.00	Additional Participant to specialised training. Per day of training and per participant after the second
AD-ON	RA7A253V00	RANGE EXTENDER MODULE	USD 3,200.00	Two days of specialist training in real assets. Includes up to two participants
AD-ON	104574	INDOOR PHOTOGRAMMETRY TRAINING	USD 1,600.00	One day of specialist training, up to two participants
AD-ON	104574	E1 SPECIALISED TRAINING - ADDITIONAL PARTICIPANT	USD 1,600.00	1 day of training (incl. travel expenses) and access to online training
AD-ON	104575	E1 TWO-DAY SPECIALISED TRAINING AT FLUXABILITY OFFICE	USD 3,200.00	2 days of AIMM (Aerial Inspection Methodology) training. Up to 2 people. Excl. Travel expenses
AD-ON	104576	E1 SPECIALISED TRAINING - 1 DAY UP TO 2 PARTICIPANTS	USD 1,600.00	One day of training (incl. travel expenses) and access to online training
AD-ON	104589	E1 INTRODUCTION TRAINING	USD 1,600.00	1 day of training (incl. travel expenses) and access to online training
AD-ON	105932	AIMM TRAINING	USD 3,200.00	2 days of AIMM (Aerial Inspection Methodology) training. Up to 2 people. Excl. Travel expenses
AD-ON	105932	E2 INTRODUCTION TRAINING	USD 1,600.00	One day of training (incl. travel expenses) and access to online training
AD-ON	105950	E2 INTRODUCTION TRAINING	USD 3,900.00	Elios 2 UAV - 1x Transport case - 1x Battery storage safe bag - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 1x 32 GB, 1x 64 GB Spare cage perignons - 6x Pack of 4 propellers - 5x Robot battery charger - 4x Robot batteries - 9x Introduct
AD-ON	106116	ELIOS 2 PROFESSIONAL PACKAGE W/O GCS	USD 32,200.00	Elios 2 UAV - 1x Transport case - 1x Battery storage safe bag - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 1x 32 GB, 1x 64 GB Spare cage perignons - 6x Pack of 4 propellers - 5x Robot battery charger - 4x Robot batteries - 9x Introduct
AD-ON	104707	ELIOS 1 STANDARD PACKAGE	USD 26,500.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Elios batteries - 6x Battery charger with two channels - 1x Transport case - 1x LiPo safe bag - 2x LiPo Goody - 1x Toolbox with spare propellers - 3x Introduct
AD-ON	104709	ELIOS 1 STANDARD PACKAGE W/ RANGE EXTENDER	USD 31,400.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Elios batteries - 6x Battery charger with two channels - 1x Transport case - 1x LiPo safe bag - 2x LiPo Goody - 1x Toolbox with spare propellers - 3x Introduct
AD-ON	104716	ELIOS 1 PROFESSIONAL PACKAGE	USD 30,900.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Elios batteries - 6x Battery charger with two channels - 1x Transport case - 1x LiPo safe bag - 2x LiPo Goody - 1x Toolbox with spare propellers - 3x Introduct
AD-ON	104718	ELIOS 1 PROFESSIONAL PACKAGE W/ RANGE EXTENDER ADD-ON	USD 35,600.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Elios batteries - 6x Battery charger with two channels - 1x Transport case - 1x LiPo safe bag - 2x LiPo Goody - 1x Toolbox with spare propellers - 3x Introduct
AD-ON	105935	ELIOS 2 STARTER PACKAGE	USD 33,600.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Transport case - 1x Battery charger with two channels - 1x Transport case - 1x LiPo safe bag - 2x LiPo Goody - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 2x Spare ca
AD-ON	105937	ELIOS 2 STARTER PACKAGE W/ RANGE EXTENDER ADD-ON	USD 38,500.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Transport case - 1x Battery storage safe bag - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 1x 32 GB, 1x 64 GB
AD-ON	105937	ELIOS 2 PROFESSIONAL PACKAGE	USD 38,900.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Transport case - 1x Battery storage safe bag - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 1x 32 GB, 1x 64 GB
AD-ON	105939	ELIOS 2 PROFESSIONAL PACKAGE W/ RANGE EXTENDER ADD-ON	USD 45,100.00	Elios UAV - 1x 2.4 GHz digital RC and video receiver - 1x Samsung android tablet - 1x Transport case - 1x Battery storage safe bag - 1x Toolbox with all required tools for maintenance - 1x Macro SD cards - 1x 32 GB, 1x 64 GB

BOARD OF CONTRACT AND SUPPLY
City of Albany, NY
Date Bids Received: April 21, 2020

Title: UAS for Outdoors
Albany Police Department

Name of Bidder	Security	Amount of Bid
Empire Drone Co. 5 Coventry Drive Fulton, NY 13069	Waived	Normal Shop Labor Rate: \$200/Hour Emergency Labor Rate: \$350/Hour Estimate Price: \$36,553.00 10% Discount on Parts/Materials from Retail Contract Extension #1 not to exceed 5% Contract Extension #2 not to exceed 10% Contract Extension #3 not to exceed 15%
Forensic Mapping Solutions, Inc. 766 Falmouth Road – Ste A8 Mashpee, MA 02649	Waived	Normal Shop Labor Rate: \$90/Hour Emergency Labor Rate: \$90/Hour SEE ATTACHED QUOTES

Adopted by the following vote
 Wheeler
 Shahinfar
 Milano
 Zeoli
 Affirmative 4 Negative 0

Forensic Mapping Solutions Inc.
 766 Falmouth Road Suite A-8
 Mashpee, MA 02649
 508-444-2188
 www.forensicmappingsolutions.com



QUOTE

ADDRESS

Albany Police Department
 165 Henry Johnson Blvd
 Albany, NY 12210

SHIP TO

Albany Police Department
 165 Henry Johnson Blvd
 Albany, NY 12210

QUOTE # 1295

DATE 04/15/2020

EXPIRATION DATE 05/15/2020

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	DJI Matrice 210 V2 Utility Package	16,353.99	16,353.99
	1 DJI Matrice 210 V2 (Base Unit)		
	1 Matrice 210 Enterprise Shield		
	1 Cendence-S Remote Controller		
	1 CrystalSky 7.85" Monitor		
	1 Remote Controller Lanyard		
	2 Matrice 200 180w Power Adaptor		
	2 Matrice 200 180w Power Power Cable		
	1 Matrice 200 Charging Hub		
	6 TB55 Intelligent Flight Battery		
	4 WB37 CrystalSky Battery		
	2 Matrice 200 1760S Propeller Pair		
	1 Hoodman 5' Launch Pad		
	1 DJI Matrice 200 GPC Case		
1	DJI FLIR Zenmuse XT2	13,200.00	13,200.00
	Thermal 640 30HZ 19mm Lens		
1	DJI Zenmuse Z30 Camera	3,200.00	3,200.00
	30x Optical Zoom Camera		
1	DJI Zenmuse X5S camera	2,199.00	2,199.00
	DJI Zenmuse X5S camera		

SUBTOTAL	34,952.99
SHIPPING	200.00
TOTAL	\$35,152.99

Accepted By

Accepted Date

Thank You For Your Business!

Forensic Mapping Solutions Inc.
 766 Falmouth Road Suite A-8
 Mashpee, MA 02649
 508-444-2188
 www.forensicmappingsolutions.com



QUOTE

ADDRESS

Albany Police Department
 165 Henry Johnson Blvd
 Albany, NY 12210

SHIP TO

Albany Police Department
 165 Henry Johnson Blvd
 Albany, NY 12210

QUOTE # 1069

DATE 04/15/2020

EXPIRATION DATE 05/15/2020

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Pix4D Mapper Perpetual License - 1 seat 1 year updates and Pix4D provided tech support	4,990.00	4,990.00
1	Pix4D Support & Upgrade - 1 seat Pix4D Mapper 1-year extension (before expiry)	499.00	499.00
1	FMS Tech Support Two years 24/7 phone tech support provided by Forensic Mapping Solutions, Inc. - NO CHARGE	0.00	0.00
10	5 Day Training - Part 107 & Pix4D * 2 Days - Part 107 Remote Pilot Training (8 Hours), UAS Ground School (8 Hours), Part 107 training manual included. 1 Instructor, minimum of 10 Students. * 3 Days - Pix4D Training with GCP's using RTK GPS and Total Station, integration with CAD Software and existing equipment (24 Hours). 1 Instructor, minimum of 10 students. Training provided by an FAA Certified Remote Pilot & ACTAR accredited reconstructionist. Pix4D course is ACTAR approved for 20 CEUs. Priced per student, minimum of 10.	1,150.00	11,500.00

FMS 24/7 phone Tech Support remains in force at no charge with active Pix4D Support & Upgrades

TOTAL

\$16,989.00

Accepted By

Accepted Date

Forensic Mapping Solutions Inc.
 766 Falmouth Road Suite A-8
 Mashpee, MA 02649
 508-444-2188
 www.forensicmappingsolutions.com



QUOTE

ADDRESS	SHIP TO	QUOTE # 1068
Albany Police Department	Albany Police Department	DATE 04/15/2020
165 Henry Johnson Blvd	165 Henry Johnson Blvd	EXPIRATION DATE 05/15/2020
Albany, NY 12210	Albany, NY 12210	

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
<u>FMS RTK GPS PUBLIC SAFETY POSITIONING SYSTEM</u>			
1	DT372APTR Rugged tablet 256GB 372TR-10B-494 - 7" fanless Rugged Tablet with Intel Pentium, 1.1GHz quad core processor, built-in Dual Frequency GNSS module, Wi-Fi and Bluetooth, 800 nits capacitive touch screen. IP65 and MIL-STD-810G rated. Standard Package 1. One DT372AP-TR with a Swappable Battery Pack and Handstrap 2. AC-DC Power Adapter with Power Cord 3. Documentation	2,998.00	2,998.00
1	Back CMOS camera for DT372APTR UCCD-372B	92.00	92.00
1	Long range Bluetooth for DT372APTR ULRBT-372	115.00	115.00
1	Pole Mount Cradle for DT372APTR ACC-008-301G	298.00	298.00
1	Pole Mount Kit GNSS and RF cable UGPS-301TR-KIT	525.00	525.00
1	RF Cable GNSS ACC-016-02 GNSS Antenna cable, 4 feet	33.00	33.00
1	Digital Pen for 372APTR Rugged Tablet ACC-007-35 - Digital Pen. Dimension: 9.7mm x 140.7mm; Weights: <25g. Standard package: 1 Digital Pen, 1 AAAA battery, 1 coil lanyard and 1 pen clip	67.00	67.00
1	Tablet Screen Protector ACC-011-18 - 7" Screen Protector for DT372 Tablet	6.00	6.00
1	SECO Pole Mount Bracket	165.00	165.00
1	5000 Case Black with custom insert	295.00	295.00
1	EVR 11 GNSS Evidence Recorder Bundle IMS Evidence Recorder 11 GNSS Bundle (for use with RTK GPS) Includes IMS Evidence Recorder GNSS/GPS - Customer Care Package (1yr) \$195	2,190.00	2,190.00
1	SECO 5128-20-GT 2M Snap Lock Rod	329.00	329.00

Thank You For Your Business!

OVER →

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	SECO GPS Bipod 5217-04-R Red GPS Bipod Prism Pole with thumb release lock	159.00	159.00
1	SECO 8151-02-FLY HD SYSTEM BAG 55"L Cordura with Rhinotek ends, Zipper Closure, Holds 2M Snap Lock Pole with a Bipod or Tripod attached	68.00	68.00
1	GCP Targets 18 Inch GCP aluminum target - numbered- set of 10; Targets are one of a kind custom made GCP targets by Forensic Mapping Solutions, Inc.; FMS is the sole source for these targets. Includes zippered rhinotek carrying case.	349.00	349.00

SUBTOTAL	7,689.00
DISCOUNT	-400.00
SHIPPING	175.00
TOTAL	\$7,464.00

Accepted By

Accepted Date

Thank You For Your Business!

April 21, 2020

The following resolution was offered on behalf of the Albany Water Board:

RESOLVED, that the contract of the 2020 Cured-In-Place Pipe Lining Project be awarded to the lowest bidder, Kenyon Pipeline Inspection, LLC. of Queensbury, NY 12804, for the lump sum price of \$431,780.00 listed in their bid on April 7, 2020.

Adopted by the following vote

Wheeler

Shahinfar

Milano

Zeoli

Affirmative 4 Negative 0

April 21, 2020

The following resolution was offered on behalf of the Albany Water Board:

RESOLVED, that the contract of the purchase of Hymax Couplings be awarded to the lowest bidder, F.W. Webb of Bedford, MA 01730, for the unit prices listed in their bid received on April 7, 2020.

Adopted by the following vote

Wheeler

Shahinfar

Milano

Zeoli

Affirmative 4 Negative 0