

## S T A T E O F M I C H I G A N

## BOARD OF COMMISSIONERS OF THE COUNTY OF ALLEGAN

**BOARD OF COMMISSIONERS—AUTHORIZE ACCEPTANCE OF MILITARY SURPLUS  
PACBOT 510 FASTAC ROBOT**

**WHEREAS**, Allegan County has the ability to participate in the Military Surplus 1033 Program which allows law enforcement agencies to utilize military surplus to their benefit; and

**WHEREAS**, on May 22, 2014, the Board of Commissioners authorized participation with this program; and

**WHEREAS**, the Sheriff's Department requests acceptance of a military surplus robot, including two batteries at \$325 each; and

**WHEREAS**, if repairs would exceed the cost of replacing this robot it can be returned through this program at no cost to the County.

**THEREFORE BE IT RESOLVED** that the Allegan County Board of Commissioners authorizes the acceptance of the PacBot 510 Fastac Robot; valued at \$70,000; and

**BE IT FINALLY RESOLVED** that the Board Chairperson and/or the County Administrator are authorized to sign any necessary documents on behalf of the County and that the Executive Director of Finance is authorized to make the necessary budget adjustments from Drug Forfeiture to complete this action.



ALLEGAN COUNTY  
REQUEST FOR ACTION FORM

Completed RFA form must be attached to a work order request through the Track-It System. If you have any questions regarding this process, please contact Administration @ ext. 2633.

RFA#: \_\_\_\_\_

Date: 12/28/2020

Board Approval: Grants under \$10K to County Administrator; renewals \$10K or changes to existing, directly to Board for action; new grants \$10K+ require Board discussion.

Request Type Grant  
Department Requesting Sheriff  
Submitted By Mike Brown  
Contact Information ext 4592

Name of Grant:

Acceptance of PACBOT 510 Fastac robot from 1033 (free)

Summary of Grant:

The Sheriff's Office has been awarded a PACBOT 510 Fastac robot through the 1033 program. There is no cost to accept this robot. Robot is valued at \$70,000.

Grant Submission Deadline Date N/A

- APPLICATION
- ACCEPTANCE
- New
- Renewal
- Continuation

Amount (Not including local match) \$0.00

Source of Grant Funds (% of allocation) \_\_\_\_\_

Type of Match

- Cash
- Inkind

Amount / Description / Source of Match:

N/A

Term of Grant lifetime of the equipment

Does it involve personnel?

- No
- Yes

Does it involve ongoing Operational Activities (recoverable?)

- No
- Yes

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Admin Fees \$0.00

Equipment / Ongoing Costs Batteries \$325 each (requires two). Repairs as needed \*if cost of repairs exceeds value of equipment it can be returned to 1033 program at no cost

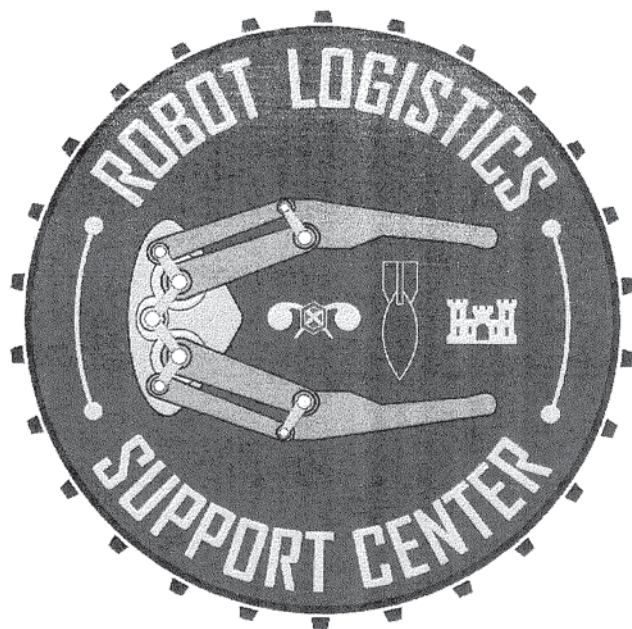
Does it effect other operations?

- Yes
- No

\_\_\_\_\_

Disposition:

\_\_\_\_\_



# LESO (DLA 1033 Program)

510 Packbot

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11 Dec 2020







# Equipment for this Project

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- The 510 Packbot Fastac

Lightweight Robotic System, designed for quick deployment.

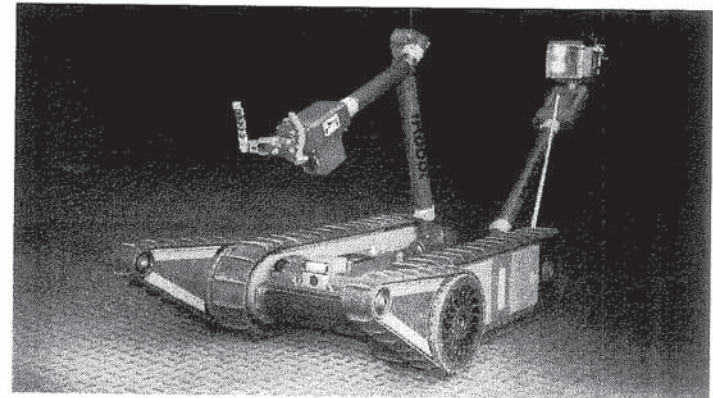
Provides unmanned investigation/  
manipulation of suspicious objects.

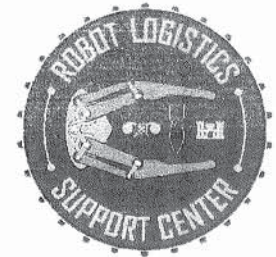
Tracked robot providing stability across a broad  
range of terrain.

Modular Chassis for multiple configurations.

Programmed poses for common tasks.

All weather/ light capable.





# Equipment for this Project

- The 510 Packbot Fastac Continued

Item	Measurement (Approximate)	
Chassis Weight	33 lbs (w/ 2 BB-2590/U and no payloads)	
Payload Weight	SAM: 8.2 lbs	CAM: 5.8 lbs
OCU Weight	14.2 lbs	
Manipulators Lift Capacity	5 lbs fully extended, 15 lbs close in	
Manipulator Arm Reach	39.5 inches	
Grasping Capability	4 inches in diameter	
Gripper Strength	35 lbs pinching force	
Slopes/ Incline	30° lateral traverse/ 45° incline	
Operating Range (antenna dependant)	300-800 meters (LOS)	~150 (NLOS)
Maximum Speed	5.8 MPH	





# LEA Cost of Ownership

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- No cost for the system (Valued at 71-75K per robot)
  - 157 Systems will be available thru RTD in 2021. Batteries & Charger are not included with the robot.
- Items for Purchase:
  - BB 2590/U Batteries
    - \$328.50 EA (system is powered by two)
  - BTK-70819-5 Portable Charger Lite
    - \$1,925.00 (Charges two batteries at a time)



<http://www.bren-tronics.com/>

**Total: \$2,582.00**