



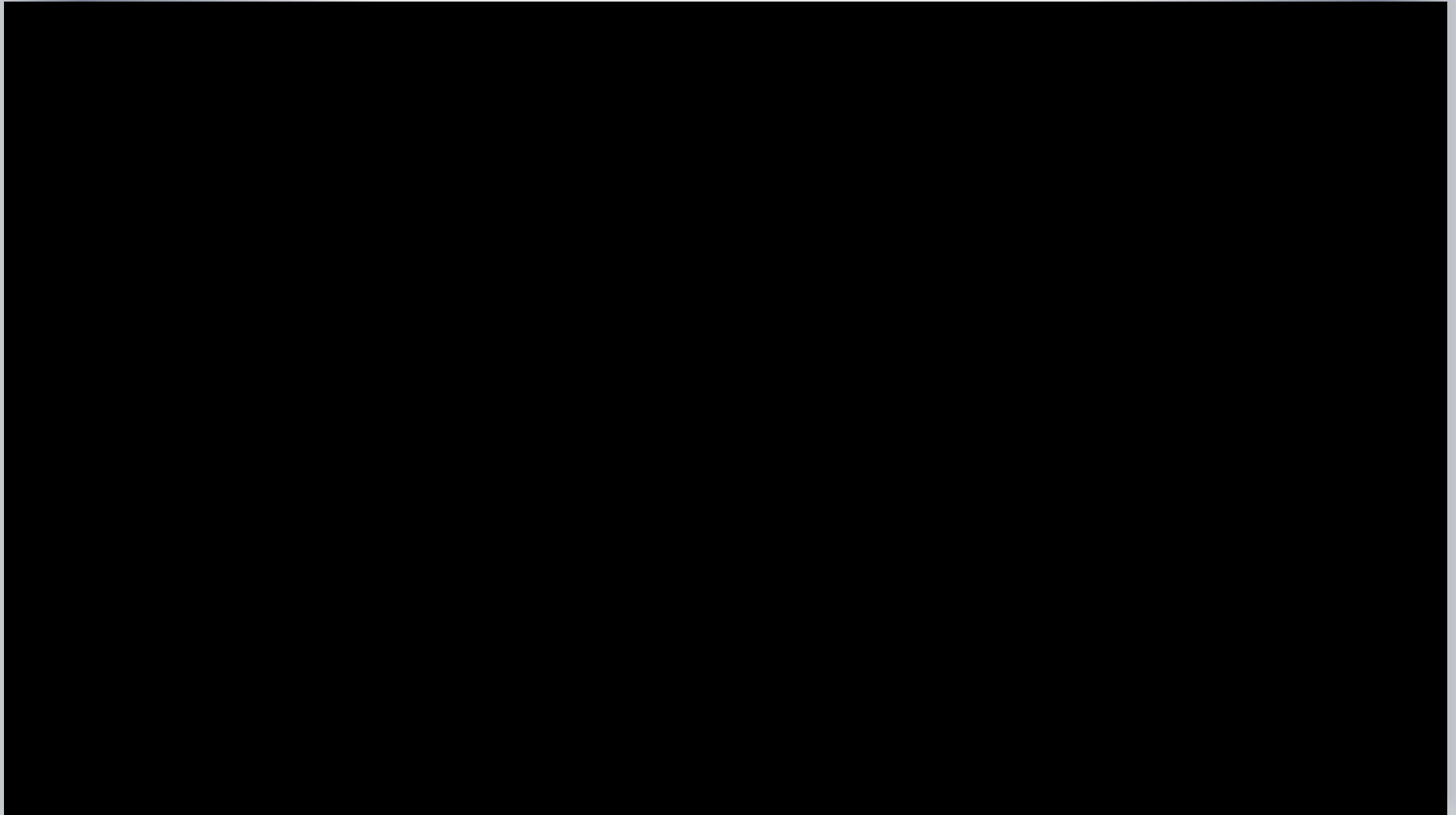
# DSP Air Support Unit



**Lt. Christopher M. Jushka**  
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**Milwaukee WI 53203**



# DSP Air Support Unit





# History of State Patrol Air Support Unit



September 29<sup>th</sup>, 1959

September 29, 1959, Wisconsin State Journal

## State Patrol Requests 'Radar' Traffic Plane

The State Traffic Patrol Monday requested funds for a four-passenger aircraft for use as "an inconspicuous method of enforcing motor vehicle speed laws."

The request was included in a second-year budget request outlined by Motor Vehicle Commissioner James L. Karns at a budget hearing conducted by Gov. Gaylord Nelson.

**More Arrests**

State Traffic Patrol officers told the governor that marked patrol cars average one speeding arrest each 10 hours. They said an unmarked patrol car averages one such arrest each 5½ hours.

They said tests show that an aircraft, working by radio with a patrol car on the ground, can average one such arrest each 20 minutes.

Karns told the governor that all adjoining state traffic patrols already use aircraft for arresting speeders and drivers guilty of other violations such as passing illegally.

"How would you prove it in court?" asked Nelson, an attorney.

**Method Explained**

Karns explained that the project would involve installation of highway markers 660 feet apart at various locations. He said observers in the \$10,500, four-passenger plane requested would time vehicles between these markers.

He said officers in the plane would be less conspicuous and have far greater mobility than use of the conventional radar area, where the vehicle would be stopped. He said radio communication between the plane and patrol car would prevent the wrong vehicle being stopped by the patrol car.

Karns observed that the 250-man roster of the State Traffic Patrol already includes six qualified pilots.

He said use of such a plane would be less conspicuous and have far greater mobility than use of the conventional radar machines located on the edge of





# DSP Air Support Unit



## ASU Assets:

- **THREE** aircraft based in:
  - Madison
  - Green Bay
  - Eau Claire

## **FIVE** active pilots

**Lt. Chaffee – NE Region**

**Sgt. Jones – NE Region**

**Trooper John Vernon – NE Region**

**Inspector Schuette – SW Region**

**Trooper Bill Lindemann – NW Region**



# DSP Air Support Unit



Offense/Incident Categories

## Air Support Unit Missions



00-ASU Mission- Active vehicle pursuit tracking	1
03-ASU Mission- Crime scene incident photography	3
04-ASU Mission- Disaster Response	0
07-ASU Mission- Expedited personnel delivery	0
09-ASU Mission- Infrastructure status monitoring	5
10-ASU Mission- Pre-event reconnaissance	2
11-ASU Mission- Search and locate (fugitive)	10
12-ASU Mission- Search and locate (non-fugitive)	20
13-ASU Mission- Search and locate (vehicle only)	0
14-ASU Mission- PGA Air Operations	2
15-ASU Mission- Surveillance (non-mobile target)	10
16-ASU Mission- Surveillance (mobile target)	5
17-ASU Mission- Traffic enforcement (non BOTS funded)	0
18-ASU Mission- Traffic enforcement (CMV emphasis)	0
20-ASU Mission- Traffic enforcement ( BOTS funded)	71
21-ASU Mission- Traffic operations (non enforcement)	0
22-ASU Mission- DTSD relations (Highway Construction)	6
23-ASU Mission- Training	18
24-ASU Mission – Equipment Testing	0

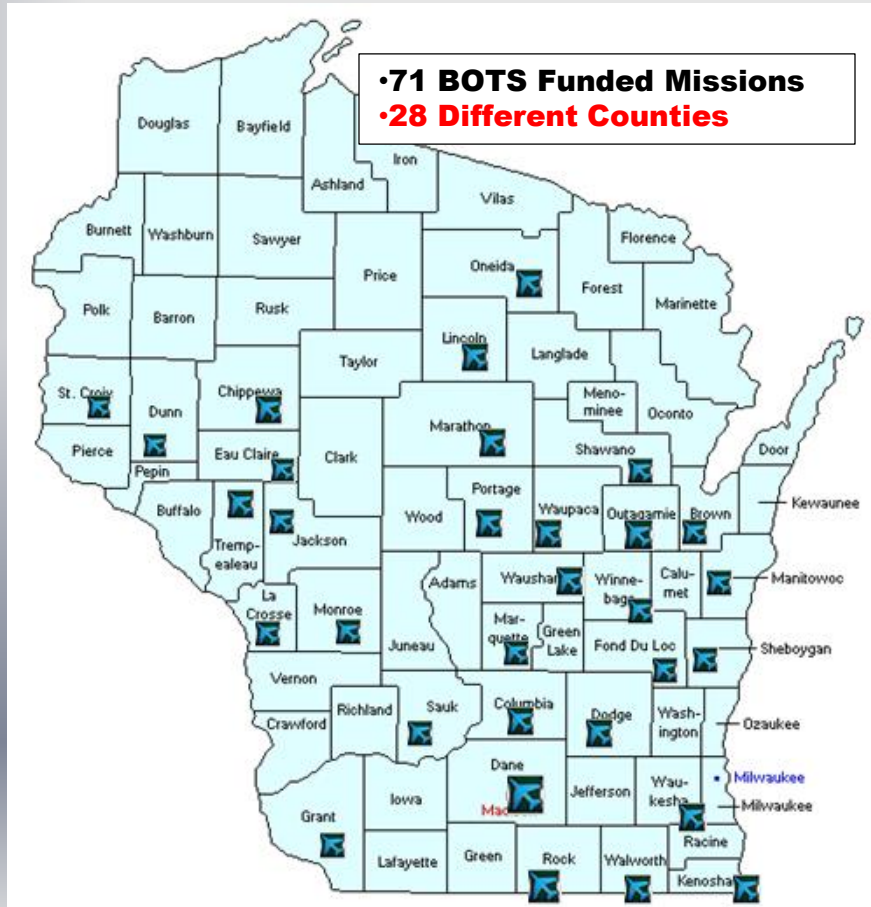
**Total 157**



# DSP Air Support Unit



## FFY 2015 BOTS funded ASU Traffic Enforcement Mission Locations:





# DSP Air Support Unit



## 2015 Traffic Enforcement Activity Totals

MISSION INFORMATION										
Totals	Traffic Missions	Other Agency # Units	Other Agency # Stops	WSP # Units	WSP # Stops	Total # Stops	Speed		Totals	
							Citations	Warnings	Citations	Warnings
							<b>Yearly</b>	<b>71</b>	<b>13</b>	<b>42</b>
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	1	0	0	5	29	29	24	8	26	14
April	4	0	0	19	155	155	123	28	134	75
May	2	0	0	9	68	68	42	26	56	58
June	8	4	12	37	246	258	206	7	236	95
July	10	1	1	49	297	298	207	72	233	154
August	8	0	0	40	257	257	173	48	211	130
September	22	3	16	99	651	667	461	159	538	320
October	5	1	2	23	148	150	114	31	132	77
November	8	4	11	40	262	273	205	45	246	126
December	3	0	0	15	90	90	46	40	55	83



# DSP Air Support Unit



## 2015 Traffic Enforcement Activity

	Mission Averages per detail
Ground units	5
Vehicle Stops	32
Speed Citations	23
Speed Warnings	7
Total Citations	26
Total Warnings	16
Total Citations and Warnings	42





# DSP Air Support Unit



## Benefits/Advantages of Airborne Traffic Enforcement Activities:

- **Pilots are able to identify violations involving operation that occurs over an extended distance**
  - **Following too close**
  - **Reckless/Aggressive driving**
  - **Excessive speed**
  - **Unsafe lane changes etc.**
- **Pilots can detect violations in areas that do not lend themselves well to routine means of enforcement**
  - **Construction zones**
  - **No passing zones**
  - **Roadways section without crossovers, shoulders or available safe areas for parked cruisers**



# DSP Air Support Unit



## Benefits/Advantages of Airborne Enforcement activities:

- **Increased media attention/coverage for ASU efforts**
- **Ability to see a great deal of traffic at one time and target those drivers operating aggressively**



# UNMANNED AIRCRAFT SYSTEMS



- Used by many Public Safety Agencies in this State and Nationally
- A low cost tool that can enhance our mission capabilities, increase our effectiveness and lower time on scene
- 3D mapping
- Thermal Imaging
- Ability to transmit live feed over the internet to those in need

Introducing  
**FLIR VUE™**



The world's first affordable, easy to integrate thermal camera for sUAS.

**FLIR** | The World's Sixth Sense™

The complex block contains a promotional image for the FLIR VUE thermal camera. On the left is a close-up of the camera unit, which is black and rectangular with a lens. To its right is a thermal image showing a house and a car, with the FLIR logo in the top right corner. Below the images is the text 'The world's first affordable, easy to integrate thermal camera for sUAS.' At the bottom of the block is the FLIR logo and the tagline 'The World's Sixth Sense™'.



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