Washington State Patrol Aviation
Established in 1959

Location
- Olympia Airport

Personnel
- 4-Trooper Pilots, 1-Trooper Tactical Flight Officer (TFO), 1-Sergeant, 1-Lieutenant
- 4- Reserve TFOs
- 1- Office Manager
- 3- Aircraft Maintenance Technicians

Aircraft
- 3- Cessna 182
- 2- Cessna 206 (FLIR)
- 1- King Air B200
Dedicated Maintenance Staff

Aviation Maintenance Support:

- Factory Authorized Service Center
- Avionics Technician
- Engineering
- Fabrication
- Airframe and Power Plant- A&P Certified
- Inspection Authorization- IA Certified
Number of King Air B200:
- 1

Missions:
- Transportation Flights
- Emergency Service Air Operations
- Wildland Fire Management
- Multiple State Agency Contracts
- 1 Hour Flight Time Response Within State
- Evidence transfer

Crew:
- 1-pilot
- 1-Co-Pilot

Passengers:
- 7
Number of C-182:
- 3

Missions:
- Traffic enforcement
  - Speed, Aggressive Driver's, Pursuits
- Transportation
- Training
- Marijuana Eradication
- Photo

Crew:
- 1-Pilot

Passengers:
- 2
Cessna-206

**Number of C-206:**
- 2

**Crew:**
- 1- Pilot
- 1- Tactical Flight Officer (TFO)

**Passengers:**
- 1

**Missions:**
- Traffic Enforcement
  - Speed, Aggressive Driver’s
  - Pursuits, DUI Enforcement
- Aerial Surveillance
- Aerial Photography
- Video Imaging
- Homeland Security
- All Hazards Response Aircraft
- Drug, Marijuana Eradication
- U.S. Navy Security
- Demonstration/Rally’s
Specially Equipped Cessna-206

**Featured Capabilities**

- Stabilized aerial imaging system with Forward Looking Infrared (FLIR)
- Microwave digital downlink system
- Digital recorders
- Media computers/software in Olympia for dubbing and DVD production
- GPS overlay moving map system
- Premier Mobile Data Computer (PMDC)
- High resolution monitors for the Tactical Flight Officer and Pilot
- Night capabilities - Terrain Awareness and Warning System (TAWS) and radar altimeter
- Audio/Video Production Capabilities- Expedites Information Delivery
The Augmented Reality System (A.R.S.) Features:

- Overlay mapping on video
- Geopoint
- Speed of a moving target
- Map layers - Synthetic, Aviation, Streets
- Streets
- Mileposts
- Property boundaries
- Residences
- Businesses
- Schools
- Points of Interest
- Vessel hull Identification
- Ferry Terminals
- And many other layers
Video Downlink

Video Receiver Sites
- WSP Tacoma
- WSP Bellevue
- WSP Marysville
- Camp Murray E.O.C.
- Kitsap/Bangor Naval Base

Mobile Receivers
- WSP SWAT BEAR Vehicles
- Hand Held Receivers

Internet
- DS CAM
Aerial Speed Enforcement

Two Methods For Aerial Speed Enforcement:

1. Stop Watches
   - Day Time Only
   - Designated Aerial Courses
   - Fixed Marks
   - ½ mile apart
   - 3 Mile course (average)
Course Selection

There are selected stretches of various interstates and state routes which have aerial traffic marks. These are normally a few miles in length.
Aerial Speed Enforcement

AN EVOLUTIONARY STEP:

Washington State Patrol Pushes Aerial Speed Enforcement With Fixed-Wing Assets
Two Methods For Aerial Speed Enforcement:

2. Augmented Reality System (ARS)

- Day Or Night Time
- Recording Capability
- Ability To Measure Speed Anywhere
- Statewide Enforcement
- First Law Enforcement Agency In The Nation To Initiate And Deploy
The Aviation Section is a support unit to not only the Washington State Patrol, but to other city, county, and federal agencies as well.

If you have any questions, please contact the Aviation Section at (360) 709-1008.

Follow WSP Aviation on @wspaviation